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TECHNICAL REPORT DIAMOND DRILLING KEELEY-FRONTIER PROPERTY, GREATER COBALT PROJECT

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Frank Santaguida, PhD., PGeo
Vice President, Exploration

First Cobalt Corp.
401 Bay St. 6th Floor
Toronto, ON
M5H 2Y4
Canada

Main +1 416 900 3891 | info@firstcobalt.com

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SUMMARY

This report was prepared and submitted by geoscientists employed by First Cobalt Corp., the parent company of Cobalt Industries of Canada Ltd. who conducted exploration on the Keeley-Frontier property.

Diamond drilling was conducted at the Keeley-Frontier property in two sessions: from April 17th to May 3rd, 2018 and from September 19 to September 27, 2018 for a total of thirty-one (31) days. A total of seventeen (17) diamond drill holes were drilled, geotched, logged, sampled, split or cut, and geochemically analysed for precious and base metals mineralization. In total, 3,063m of core was drilled. The objective of this drilling program was a follow-up to previous work to determine if silver-cobalt mineralization exists as strike extensions to known vein systems or in the wallrocks where mineralization was historically mined. Drilling was supervised by First Cobalt Corp geologists and conducted by Laframboise Drilling Ltd. from Earlton, Ontario.

The main access to the area is by a public bush road toward the abandoned town of Silver Centre, via Highway 567 (Silver Centre Road). In some places, individual drill sites were accessed by establishing new drill trails. The trail and drilling site were cleared by a feller buncher (operated by Laframboise Drilling Ltd.) and useable timber was piled along the drill trail for public use. Post drilling, the drill site was levelled and seeded. All collar casings were left in the holes, and these casings were capped using a red metal flag.

All spatial data contained in this report reflect a Universal Trans Mercator system using North American Datum 83 Zone 17. Collar co-ordinates were measured post drilling using a differential GPS unit.

Drill logs are provided in the Appendix along with geochemical assay results from samples submitted to AGAT Laboratories, in Mississauga, Ontario as well as to ALS Laboratories, in Sudbury, Ontario.

Drilling encountered a few small veins containing cobalt and silver minerals confirmed by geochemical assay data. Both Co-rich and Ag veins were intersected west of the historic workings at the Keeley Mine. Modelling of geologic relationships and airborne magnetic data reveals new areas that may be structurally favourable for further vein development. Follow-up work is recommended to cover these areas using ground electrical geophysical methods to detect anomalous metallic minerals and generate new exploration targets.

Location, Access, and Ownership

The Keeley-Frontier property is located within South Lorrain Township, approximately 25 km (as the crow flies) southeast of the Town of Cobalt and Haileybury (Municipality of Temiskaming Shores). Access to the property is via an unnamed, unmaintained bush road, which can be driven by truck. Access to the bush road, from the Town of Cobalt, is via King St (Highway 11B) to Silver Centre Road (Highway 567). The location and access are shown in Figure 1.

The property lies within the Larder Lake Mining Division, within Provincial Grid cell numbers 31M04I220 and 31M04I240. The property is comprised of several active mining claims, mining leases and mining patents. The mining leases, patents and some claims are subject to an option agreement to First Cobalt Corp. with Canadian Silver Hunter Inc. Otherwise, claims are held entirely (100%) by Cobalt Industries of Canada Inc. (a subsidiary of First Cobalt Corp.).

Figure 2 shows the distribution of the mining patents and leases comprising the Keeley-Frontier property.

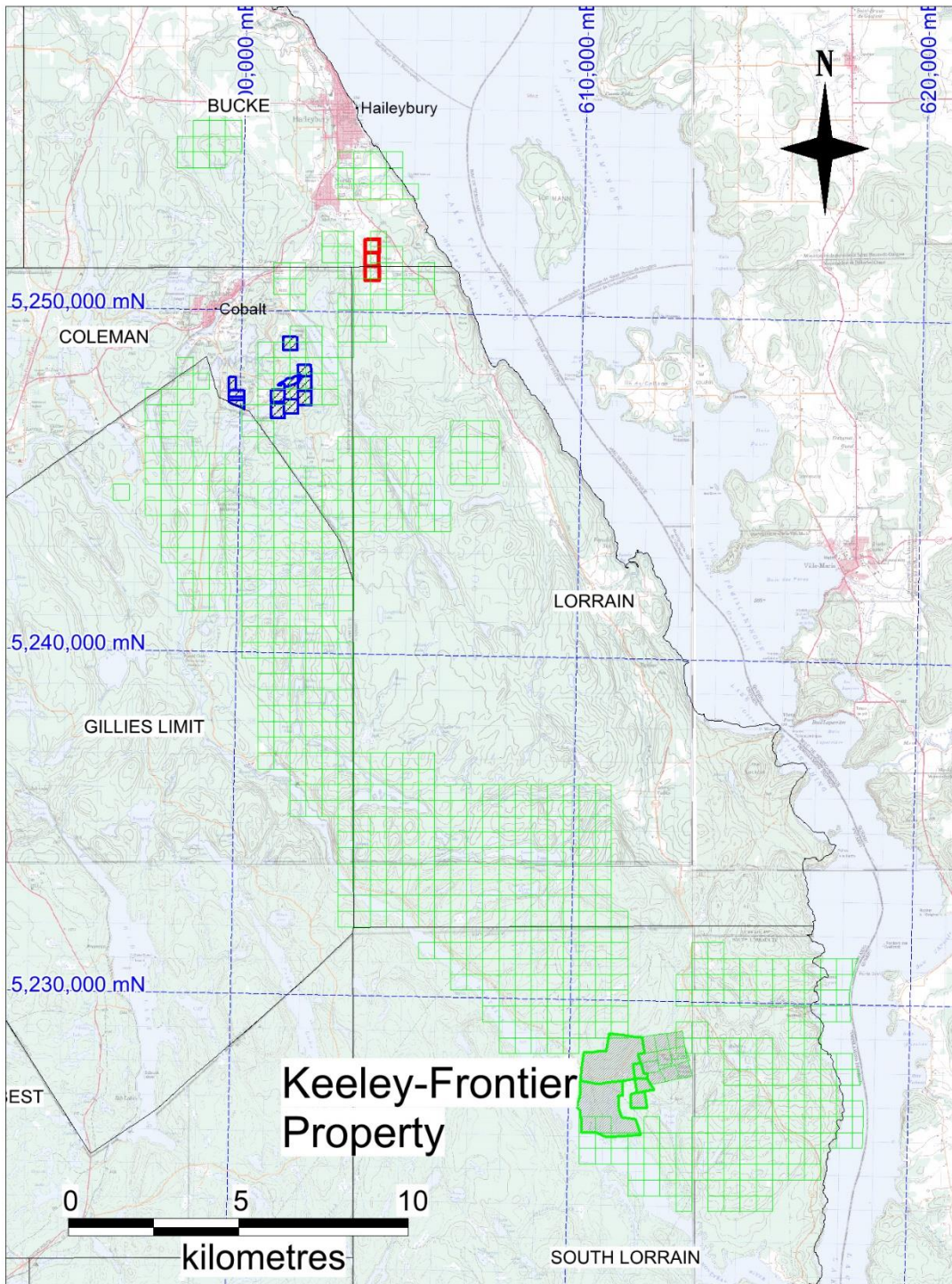


Figure 1. Location of the Keeley-Frontier Property in South Lorrain Township, Larder Lake Mining Division. Property is outlined in thick green lines; claims held by Cobalt Industries of Canada (First Cobalt Corp) also shown in green.

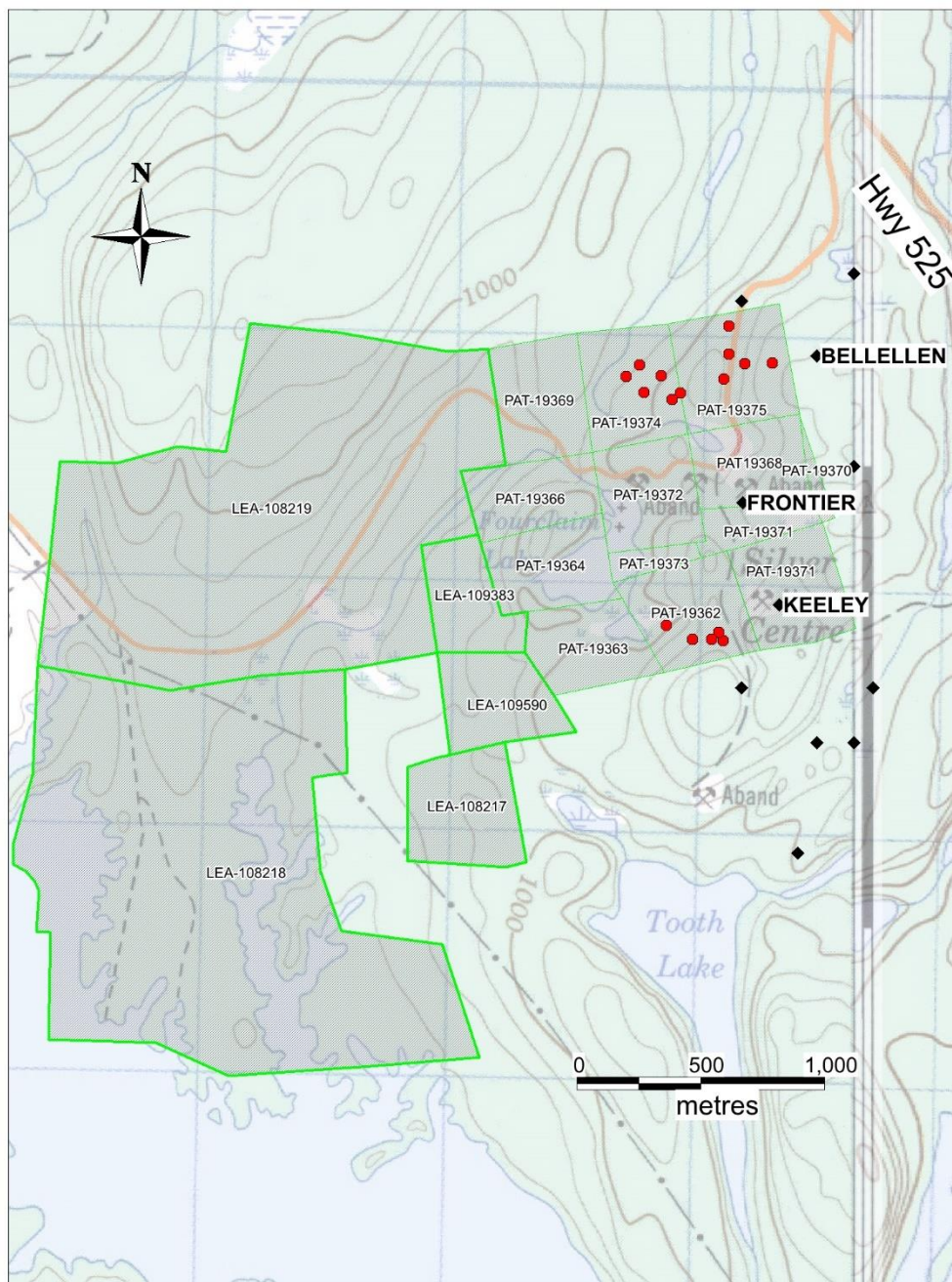


Figure 2. Patented mining claims comprising the Keeley-Frontier property owned by Canadian Silver Hunter. Collar locations for drill holes described in this report are marked in red dots. Black diamonds are historic mine locations from the Ontario Mineral Deposit Inventory database. Topographic map background is NTS 031m04-04.

Property History and Previous Work

A summary of production history of the Keeley and Frontier Mines is provided by McIlwaine (1970). The Keeley Mine of Keeley Silver Mines Ltd produced intermittently from 1908 to 1942 with most of the production occurring between 1921 and 1931. Total reported production was 12,154,353 oz Ag (378,043 kg) and 1,617,684 lbs Co (73,377 kg).

The Frontier Mine was operated by Mining Corporation of Canada Ltd from 1921 to 1943 and produced 6,695,415 oz Ag (208,251 kg) and 1,683,769 lb Co (763,746 kg) and 12,158 lb Ni (5,515 kg).

Keeley Frontier Mines Ltd/Canadian Keeley Mines Ltd operated the combined Keeley and Frontier mines during the 1963–1965 period and produced 347,645 oz Ag (10,812 kg), 9,003 lb Co (4,083 kg) and 14,358 lb Ni (6,512 kg). The 1963–1965 production was primarily from the Keeley Mine and included reprocessed tailings.

To the end of 1965, South Lorrain Township (Silver Centre) had produced a total of 23,338,906 oz Ag with 82% coming from the Keeley and Frontier combined production, and over 50% from the Keeley mine alone (McIlwaine, 1970).

The exploration history of the Kelley-Frontier property is summarized below (Table 1) based on online Government of Ontario assessment files, Mineral Deposit Inventory files (MDI file number 31M04NE00025), historical Ontario Resident Geologist notes on file at the District Geologist's office in Kirkland Lake, and OGS publications Annual Report 31 (Knight, 1922), MRC 10 (Sergiades, 1968), and Geological Report R83 (McIlwaine, 1970).

The most recent work by Canadian Silver Hunter in 2012, completed a six-hole, 2,058 m diamond drilling program on the western portion of the property. The focus of the program were areas of the Beaver Lake Fault that had been the final target of exploration and mining when the mine closed in 1968. The best results, from hole CSH12-03, returned significant silver values potentially in the historical # 40 vein structure between 111.0 m and 122.3 m downhole, with a composite silver value of 72.47 g/t Ag over 11.3 m, including 168.22 g/t over 4.2 m, with no individual silver assay below 2.4 g/t. This # 40 vein system received relatively little historical underground drifting and there is no record of any historical surface drilling in the area. Further downhole, disseminated arsenide minerals and fine calcite veining occur in what may be a parallel or second branch of the # 40 zone. Elevated copper and bismuth values also occur within both zones.

Table 1. Summary of property exploration history and previous work.

Year	Assessment file/reference	Operator	Work History
1952	31M04NE0040	Macfie Expl Ltd	PDRILL 1 DDH/266.5 ft
1956	31M04NE0027	W. Hammerstrom	GEOL mapping
1959	31M04NE0039	W. Hammerstrom	ASSAY diamond drill core PDRILL 6 DDH over 6011 ft
1961	31M04NE0032	Keeley-Frontier Mines	PDRILL 1 DDH over 200 ft
1963	31M04NE0033	Bi-met Mines Ltd	PDRILL 1 DDH over 121 ft
1987	31M04NE0021	Place Resc Corp, Winderroad Resc Ltd	DIAMOND DRILL, ASSAY
2000	31M04NE2020	Frank Palmay John Ross Moses	EM 9.43 line-km, PCUT 10 line-km
2008	20000978	John A Gore	Prospecting
2009	20006368	John A Gore	Ground Mag and VLF
2010	20006654	John A Gore	Ground Mag and VLF
2012	20000014911	Canadian Silver Hunter Inc	DIAMOND DRILL, ASSAY
2012	20000008084	Canadian Silver Hunter Inc	DIAMOND DRILL, ASSAY

Geological Setting

Archean Keewatin rocks are the oldest rocks in the Cobalt Camp (and the satellite Silver Centre camp) and form the southernmost portion of the Western Abitibi sub-province of the Superior Province (Ruzicka and Thorpe, 1996). These rocks include predominantly intermediate to mafic metavolcanic flows with intercalated metasedimentary rocks. The Archean rocks were folded and intruded by mafic to ultramafic dikes and granite stocks and batholiths. The eroded Archean surface is unconformably overlain by relatively flat lying Paleoproterozoic sedimentary rocks of the Huronian Supergroup deposited within the weakly deformed Cobalt Embayment of the Southern Province. At the southeastern boundary of the Cobalt

Embayment in the Silver Centre area, the Huronian Supergroup rocks comprise only the Cobalt Group (Gowganda and Lorrain formations) and are commonly found filling interpreted paleo-valleys or troughs in the Archean basement. Early Proterozoic-age diabase, gabbro, and other mafic rocks of the Nipissing intrusive suite intrude both the Archean basement and the Huronian sediments. The Nipissing intrusive rocks are the most abundant and widespread igneous rocks intruding the Huronian Supergroup sediments and occur as dykes and sills up to several hundred metres thick. In the Silver Centre area, the Nipissing diabase is interpreted as a thick undulating sheet intruding the Cobalt Group sediments and Archean volcanics at or immediately below the regional unconformity (Lightfoot et al., 1993; Ayer et al., 2006).

The Cobalt Camp is the type locality of arsenide silver-cobalt vein deposits (Kissin, 1992). The Greater Cobalt project area contains several known deposits, historically mined, which have been recently targeted for their cobalt potential. Arsenide silver-cobalt vein deposits are localized in areas affected by basinal subsidence and rifting and are spatially related to regional fault systems and are closely associated with the Nipissing mafic intrusions (dykes and sills). The arsenide silver-cobalt vein deposits in the Cobalt and Silver Centre areas are typically hosted by Huronian meta-conglomerate, quartzite, and greywacke of the Cobalt Group (largely the Coleman member of the Gowganda Formation, but also the Firstbrook member). Large deposits occur as complex network systems where veins also develop within the underlying Archean volcanic rocks as well as within Nipissing diabase sills. Distribution and orientation of the silver-cobalt vein networks is controlled by the contact between the Nipissing diabase sheets and the rocks of the Cobalt Group (Gowganda Formation) and to a lesser extent the Archean metavolcanic and metasedimentary rocks (Andrews et al., 1986). The veins most often occur within the Proterozoic and Archean rocks within about 200 m of the contact with the diabase, but occasionally also occur within the diabase itself.

Based on First Cobalt mapping, the Keeley-Frontier Property and the broader Silver Centre area are largely underlain by Archean volcanic rocks that are well exposed at surface (Figure 3). The Archean stratigraphy is dominated by mafic massive, pillowed, autobrecciated and volcanoclastic flows, with minor felsic volcanic and volcanoclastic rocks. Lava flows are pillowed and well preserved allowing confident measurement of stratigraphic facing directions. Overall, the Archean sequence dips steeply to vertical. Top determinations from pillows indicate facing directions to the west and northwest (McIlwaine, 1970). Later felsic (granite to syenite) dykes cross-cut the stratigraphy, and possibly occur as offshoot dykes related to a small syenite plug which occurs on the western portion of the property. Huronian sedimentary rocks, consisting of metamorphosed conglomerate, siltstone sandstone, overlie the Archean volcanic rocks and are well exposed in the western portion of the property. Later lamprophyre dykes (up to 1 or 2 m width) cut all Archean units. East of the historic mines, fine to medium-grained Nipissing diabase (gabbro) is exposed at surface. The sill, up to 300 m thick (Lewis, 2017), intrudes the mafic volcanics and

Exploration Permit

Permission for drilling on the Keeley-Frontier Property for this particular program was not required since all drilling activities, including trail construction and sourcing of water, were conducted on the patented mining claims.

Drilling Details

Seventeen diamond drill holes are reported here as follow-up to previous drilling programs that tested the area around the historic Keeley-Frontier workings that mined silver-cobalt mineralization. Three separate targets were tested that are considered extensions of the mineralized vein networks previously mined.

The Silver Centre area including the Keeley-Frontier property was mapped in detail at 1:5,000 scale, by First Cobalt geologists in the summer and fall of 2017. Structural interpretation of the host rocks throughout the area confirmed a dominant N-S to NE-SW trend of deformation, interpreted to lie in the core of a large-scale anticline with a NE-SW trending axial plane and an associated axial planar foliation that deforms both the Archean volcanic and Proterozoic sedimentary and intrusive rocks (Lewis, 2017).

Exploration drilling on the property was initiated in 2017 targeting known veins and structures hosting silver-cobalt mineralization around the Keeley and Frontier mines as well as other known veins nearby. Drilling in 2018 followed interesting drill intersections from the previous campaign and tested other targets of interest on the property.

The locations of the seventeen holes are shown on Figure 4 and details are listed in Table 2. Four holes were collared on patent PAT-19375 specifically targeting the mineralization potential for the northern extension of the Woods Vein. Eight holes were drilled following a NW structure found to host Co mineralization during a previous drilling campaign. Two of these are collared on PAT-19375 and the other six are collared on PAT-19374. The other five holes are collared on PAT-19362 to test the southern extensions of the Woods Vein at the historic Keeley Mine in the southern end of the property.

For the first drilling program, Laframboise Drilling Ltd mobilized to the Keeley-Frontier Property on April 17, 2018 and demobilized on May 05, 2018. In this time, 9 diamond drill holes (NQ diameter) were completed testing three targets in the northern and southern portion of the property. Laframboise Drilling Ltd returned to the property on September 18 to follow-up results from the previous program and completed another 8 diamond drill holes (NQ diameter). A total of 3063m of drilling was completed in both sessions. Demobilization was completed Sept. 29 and site

rehabilitation commenced shortly after. Ashley Jensen Earthworks from Haileybury, ON was utilized to rehabilitate some of the drill sites. Table 2 summarizes the diamond drill hole details, and Table 3 summarizes samples collected. Geological drill logs, drill sections, and analytical/assay certificates are appended to this report.

Upon completion of drilling each hole, casings were left in the ground and were flagged with a red metal flag (labelled with the drill hole number). The sites were reclaimed by levelling and seeding. Representative photos are shown in Figure 5 of pre-and post-drill site work illustrate conditions and some best practices followed during the program.

Drill cores were logged soon after holes were completed. Mineralization was carefully recognized, and identification of metallic minerals was validated using a portable X-Ray Fluorescence instrument (pXRF). While most metallic minerals can be found in cm-sized calcite veins in this style of ore deposit, silver and cobalt minerals also can occur along thin (<1mm) fractures that are difficult to identify by visual inspection. Measurements of core using pXRF during logging found anomalous levels of Ag (50ppm), As (50ppm), Co (1000ppm), and Ni (200ppm) that at times were used to guide immediate follow-up drilling. These results were not systematically recorded since the lab analytical data superseded the pXRF measurements. Metals values were often written on the drill core boxes to also guide sampling intervals.

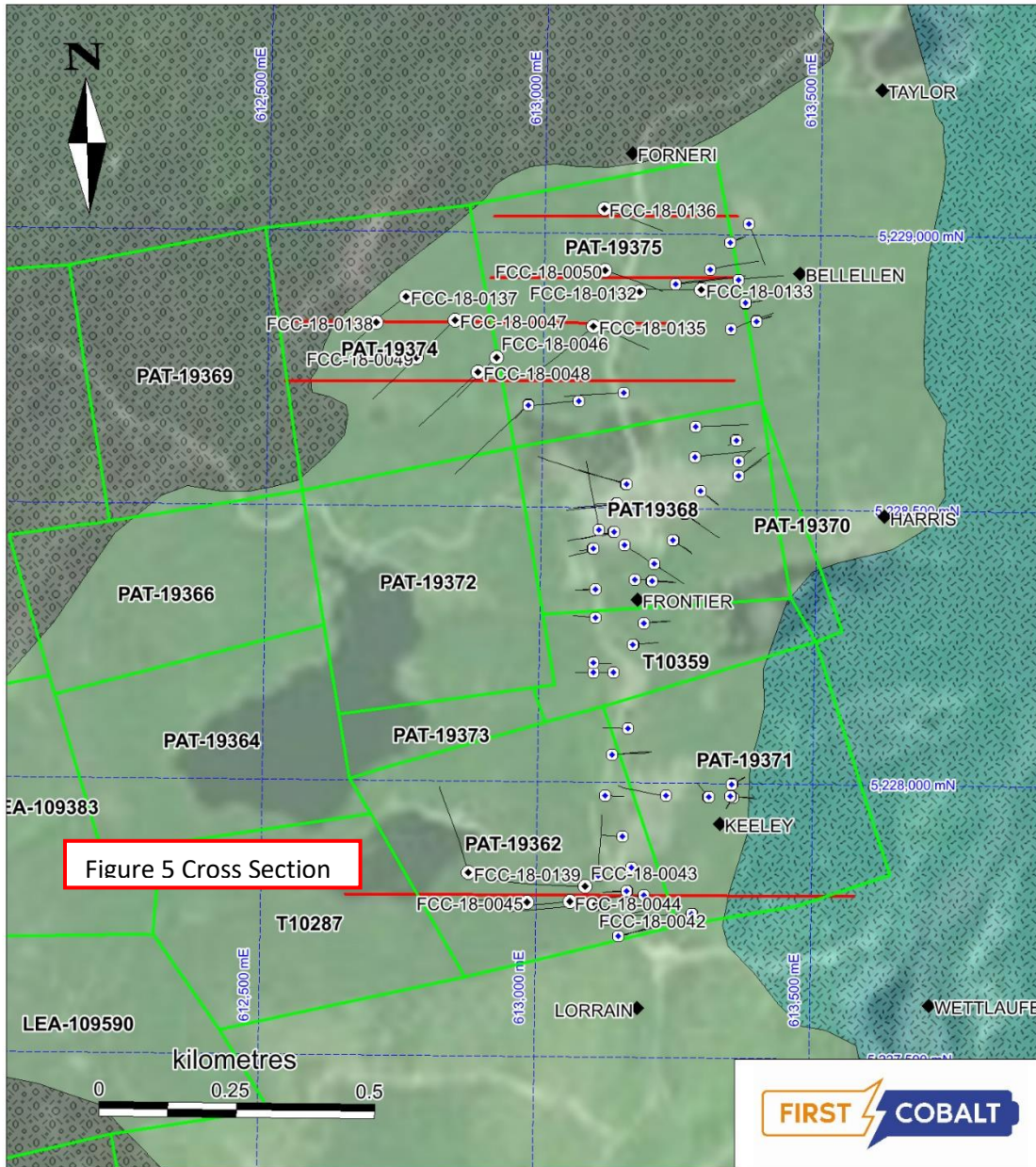


Figure 4. Diamond drill hole collar locations with traces projected to surface shown relative to the Keeley-Frontier property patented claims. Grid is in Projection UTM NAD83 Zone 17. Symbols are as represented in Figure 3. Cross section lines shown in Figure 5 and in the Appendix are in red.

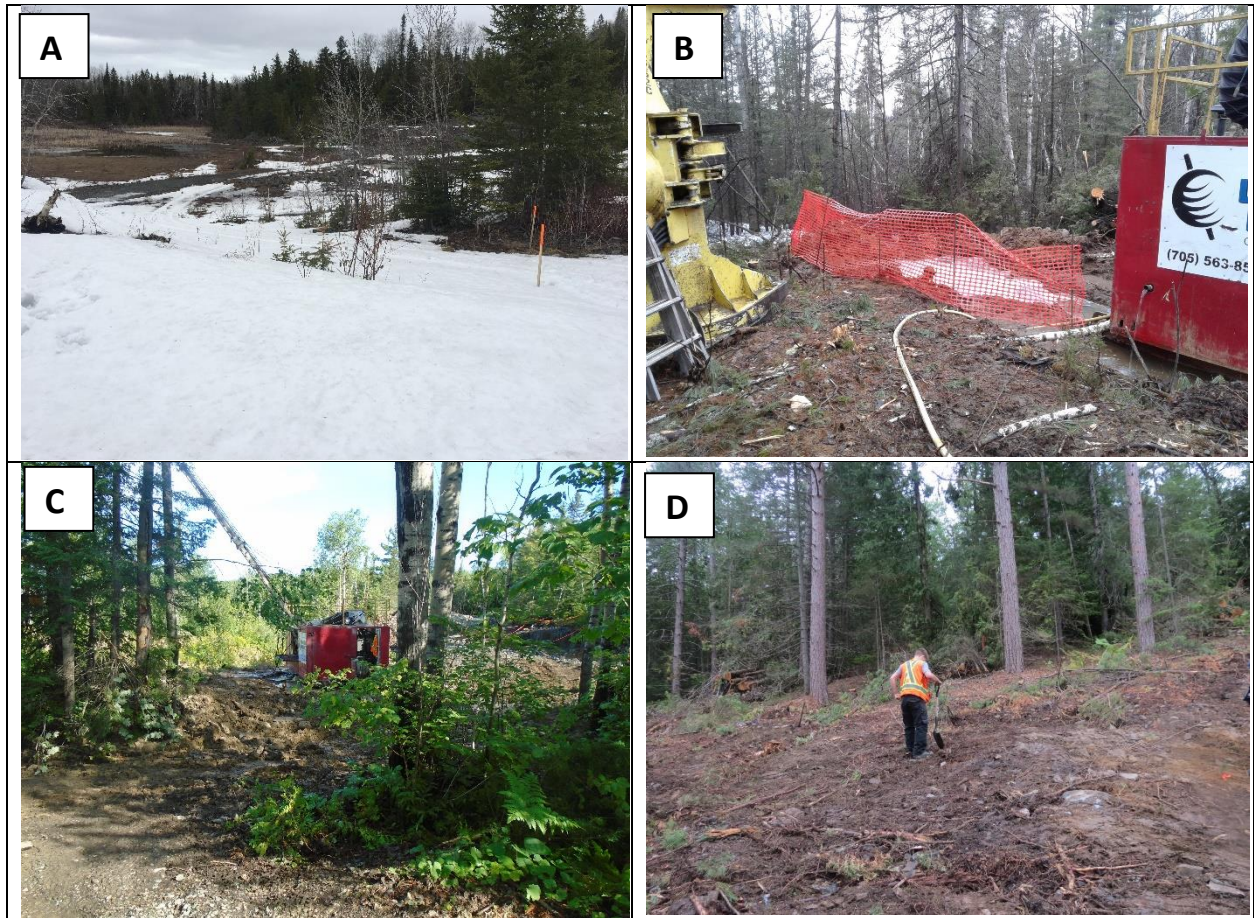


Figure 5. Drill site photos for the 2018 Keeley-Frontier program. A: Drill siting posts prior to drilling (FCC-18-0050). The historic Frontier minesite in background (flat area). B: Water sump for drill water outflow catchment (FCC-18-0049). C: Summer drill site(FCC-18-0137). D. Tree planting as rehabilitation of drill site.

Table 2. Summary of Diamond Drill Hole Locations.

Hole_ID	Target	Drill_Start	Drill_End	Claim	UTM_X	UTM_Y	UTM_Z	UTM_Az	Dip	Len_m
FCC-18-0042	Keeley	4/17/2018	4/17/2018	PAT-19362	613108.2	5227779	349.257	264.1	-56.9	272
FCC-18-0043	Keeley	4/17/2018	4/19/2018	PAT-19362	613088.9	5227811	344.782	271.6	-49.9	251
FCC-18-0044	Keeley	4/19/2018	4/20/2018	PAT-19362	613061.2	5227783	343.324	265.3	-45	101
FCC-18-0045	Keeley	4/20/2018	4/21/2018	PAT-19362	612983.3	5227781	341.661	272.1	-54.5	167
FCC-18-0046	WVEXT	4/21/2018	4/22/2018	PAT-19374	612914.4	5228772	319.413	224.8	-50.1	152
FCC-18-0047	WVEXT	4/22/2018	4/23/2018	PAT-19374	612838.0	5228839	309.819	226	-50.3	152
FCC-18-0048	WVEXT	5/1/2018	5/2/2018	PAT-19374	612881.6	5228745	316.869	226.2	-45.5	200
FCC-18-0049	WVEXT	5/2/2018	5/3/2018	PAT-19374	612769.4	5228771	300.697	225.8	-50.1	166
FCC-18-0050	WVNORTH	5/3/2018	5/4/2018	PAT-19375	613109.5	5228932	323.269	108.6	-45.2	155
FCC-18-0132	WVNORTH	9/18/2018	9/19/2018	PAT-19375	613172.6	5228894	302.906	269	-60	149
FCC-18-0133	WVNORTH	9/19/2018	9/21/2018	PAT-19375	613284.3	5228899	313.364	268.5	-60.1	254
FCC-18-0134	WVNORTH	9/21/2018	9/21/2018	PAT-19375	613090.3	5228830	284.992	109.9	-45.2	152
FCC-18-0135	WVEXT	9/23/2018	9/24/2018	PAT-19375	613090.3	5228830	284.992	230	-50.1	215
FCC-18-0136	WVEXT	9/23/2018	9/24/2018	PAT-19375	613106.6	5229044	313.000	109	-45.2	155
FCC-18-0137	WVEXT	9/24/2018	9/25/2018	PAT-19374	612748.3	5228881	257.772	233.2	-50	152
FCC-18-0138	WVEXT	9/25/2018	9/26/2018	PAT-19374	612695.7	5228834	249.639	226.2	-50.3	161
FCC-18-0139	Keeley	9/26/2018	9/28/2019	PAT-19362	612877.0	5227834	277.824	341.1	-40.2	209

*Coordinates are recorded in UTM NAD83, Zone 17 North.

Table 3. Summary of core samples taken for geochemical analyses. Certificates of analyses in Appendix.

HOLE ID	Number of Samples	FCC BATCH Number	LAB BATCH Number
FCC-18-0042	81	DDH-127A	AGAT_18B338700
FCC-18-0042	96	DDH-127B	AGAT_18T338981
FCC-18-0042	96	DDH-127C	AGAT_18T338982
FCC-18-0042	72	DDH-127D	AGAT_18T338983
FCC-18-0043	96	DDH-128A	AGAT_18T350344
FCC-18-0043	96	DDH-128B	AGAT_18T350771
FCC-18-0043	97	DDH-128C	AGAT_18T350772
FCC-18-0043	20	DDH-128D	AGAT_18T350773
FCC-18-0044	64	DDH-129A	AGAT_18T350345
FCC-18-0044	55	DDH-129B	AGAT_18T350346
FCC-18-0045	103	DDH-130A	AGAT_18T342007
FCC-18-0045	111	DDH-130B	AGAT_18T342008
FCC-18-0046	94	DDH-131A	AGAT_18T351995
FCC-18-0046	94	DDH-131B	AGAT_18T351996
FCC-18-0047	88	DDH-132A	AGAT_18T344089
FCC-18-0047	84	DDH-132B	AGAT_18T344090
FCC-18-0048	104	DDH-133A	AGAT_18T345409
FCC-18-0048	76	DDH-133B	AGAT_18T345406
FCC-18-0049	94	DDH-134A	AGAT_18T351999
FCC-18-0049	64	DDH-134B	AGAT_18T352000
FCC-18-0049	47	DDH-134C	AGAT_18T352001
FCC-18-0050	79	DDH-135A	AGAT_18B338682
FCC-18-0050	54	DDH-135B	AGAT_18B337981
FCC-18-0050	60	DDH-135C	AGAT_18B338693
FCC-18-0132	58	DDH-217	AGAT_SD18245286
FCC-18-0133	53	DDH-218	AGAT_18B397762
FCC-18-0134	80	DDH-219	AGAT_18B397792
FCC-18-0135	34	DDH-220	AGAT_18B397818
FCC-18-0136	89	DDH-221	AGAT_18B401321
FCC-18-0137	6	DDH-222	AGAT_18B397823
FCC-18-0138	42	DDH-223	AGAT_18B401425
FCC-18-0139	48	DDH-224A	AGAT_18B397836
FCC-18-0139	45	DDH-224B	AGAT_18B401453

Assay Results

First Cobalt has implemented a quality control program to comply with common industry best practices for sampling and analysis.

Sample security measures follow industry standard best practices. Drill core are received from the contractor twice daily and inspected on receipt. A company representative, typically a project geologist, visits the drill each day. A standard operating procedure has been defined for logging and sampling per industry standards. Samples are defined during logging by a professional geologist. Sample labels are inserted into the core boxes by the logging geologist. Samples are cut and split in the same facility as logging by technicians. Samples are bagged with sample tags inserted into the bag and labels marked with marker on the outside. Sample bags are sealed using a plastic zip lock cable tie. Samples are placed in white rice bags for ease of handling to an approximate weight of 30kg. The rice bags are labelled with sample number ranges and each is addressed with the laboratory. Rice bags are sealed using a plastic zip lock cable tie.

Sample batches dispatched to the lab are defined by individual drill holes to reduce possible sample mixing errors between holes.

Samples are selected from drill core in lengths ranging from 30 to 100 cm at the discretion of the geologist according to lithological contacts, structures, veins, and mineralized horizons. Drill core is cut and/or split in half and half core is submitted for analyses. Standards and blanks are inserted every 20 samples. Duplicates are made from quarter core splits every 20 samples. Standards were custom-produced from mineralized material from the project area and certified values for Co and Ag have been derived by Analytical Solutions Ltd., an accredited geochemical consulting group. OREAS reference standard material has also been used. Blank material is marble gravel used as decorative stone, and contains low levels of Co (<0.002%).

Geochemical data were received from AGAT Laboratories in Mississauga, Ontario, Canada (with the exception of hole FCC-18-0132, from which samples were sent to ALS Laboratories in Sudbury, Ontario, Canada). Sample preparation for AGAT was done in Timmins, Ontario, Canada. At the laboratory, samples <5 kg are dried and crushed to 75% passing 2 mm screen, a 250 g split are then taken and pulverised to 85% passing 75 microns for analysis. AGAT has used a sodium-peroxide fusion and ICP finish for analyses on all samples. High silver values (>20 g/t) are determined by a separate three-acid digestion and ICP finish. AGAT is a fully accredited laboratory and conforms with the requirements of CANP4E (ISO/IEC 17025:2005) and CANP1579 by the Standards Council of Canada. ALS using a four-acid digestion of samples followed by an ICP-AES and ICP-MS finish for 61 elements.

All results have passed internal QA/QC protocols.

Table 3. Summary of anomalous metals intersections in drill core from the Keeley-Frontier 2018 program.

Hole-ID	Samp-ID	From_m	To_m	Len_m	Ag_gpt	Co_ppm	Cu_ppm	Ni_ppm	Zn_ppm	Pb_ppm	S_%
FCC-18-0042	E6612782	66.4	66.7	0.3	19	1060	458	83	610	3240	0.80
FCC-18-0042	E6612793	72.8	73.1	0.3	2	3060	187	108	277	98	0.84
FCC-18-0042	E6561114	206.8	207.1	0.3	30	1660	778	144	227	1210	0.47
FCC-18-0042	E6561145	232.0	232.3	0.3	4	22000	267	331	107	114	1.99
FCC-18-0042	E6561147	232.32	233.0	0.7	3	121	577	82	163	112	0.75
FCC-18-0042	E6561148	233.0	234.0	1.0	2	309	413	101	267	68	1.18
FCC-18-0042	E6561149	234.0	235.0	1.0	10	826	2110	89	200	119	0.69
FCC-18-0042	composite	232.0	235.0	3.0	5	2752	1000	117	204	100	1.00
FCC-18-0042	E6561181	259.3	259.7	0.4	8	2570	277	101	77	125	2.93
FCC-18-0045	E6563519	149.4	150.1	0.7	25	57	473	89	164	144	1.60
FCC-18-0045	E6563520	150.1	150.5	0.4	410	57.7	2170	82	385	813	0.84
FCC-18-0045	E6563521	150.6	151.1	0.5	1120	244	4650	69	145	199	0.73
FCC-18-0045	E6563524	151.1	151.5	0.4	751	97	3710	101	471	390	1.05
FCC-18-0045	E6563527	151.4	152.0	0.6	54	78.6	718	130	96	43	1.95
FCC-18-0045	E6563528	152.0	153.0	1.0	36	64	495	120	86	89	0.85
FCC-18-0045	composite	149.4	153.0	3.6	315	94	1672	101	188	228	1.17
FCC-18-0050	E6563179	129.4	129.7	0.3	11	48800	18	26600	529	335	4.03
FCC-18-0050	E6563182	129.7	130.0	0.3	4	79.9	31	113	95	6	0.13
FCC-18-0050	composite	129.4	130.0	0.6	8	24440	25	13357	312	171	2.10
FCC-18-0133	E5722739	10.0	11.0	1.0	92	64.1	146	109	76	6	0.32
FCC-18-0138	E6543909	71.2	71.5	0.3	55	147	3300	311	4140	8040	2.97
FCC-18-0139	E5722864	70.5	70.9	0.4	143	360	508	256	104	74	0.22
FCC-18-0139	E5722903	128.0	128.3	0.3	1	1110	138	176	75	7	0.25

Note: Anomalous is defined for the purpose of this report to reflect values at least 5X background values in host rocks as found in the analyses provided. Drilling lengths are as recorded downhole and do not necessarily represent true widths of mineralization as multiple vein orientations may have been targeted.

Note: Negative values indicate the value returned from the lab was below the analytical detection limit.

A summary of anomalous metals intersected is listed below (Table 4), and complete analytical results can be found in Appendix D.

Overall, the assay results reflect vein style mineralization as identified by the logging. Veins are typically <1 to 30 cm in width (with vein breccia zones up to 1.2 m) and comprised of carbonate (calcite and dolomite) and locally quartz as the gangue minerals. Cobalt ore minerals are generally skutterudite-safflorite and minor cobaltite. Cobaltite can be identified by higher values of S in elevated Co samples. Nickel was found with cobalt in one vein in drillhole FCC-18-0050 and likely represents the occurrence of gersdorffite that accommodates higher Ni content compared to skutterudite. Only a few intervals of anomalous mineralization occur beyond 1m core length reflecting only a limited development of veining. The highest cobalt values were intersected in the southern most portion of the property; specifically, in FCC-18-0042. High arsenic is associated with cobalt as the dominant mineral is skutterudite. High silver was found in one hole, FCC-18-0045, and occurs with anomalous Cu. The mineralogy of the silver is not known.

Interpretation

The more significant assay results are shown on a series of appropriate cross-sections across the Keeley Frontier Property in the Appendix.

Drilling in the north targeted two separate vein networks. Previous drilling intersected pyrite and cobaltite mineralization considered to occur on a NW-trending structure call the "Woods Vein Extension". Several holes were drilled along strike of this structure as mapped at surface without intersecting further veining. Brecciation of the mafic volcanic rocks is interpreted to be associated with this structure. The second vein system in the north had not been previously drilled. The relatively high-grade Co and Ni intersection in FCC-18-0050 represents the down-dip extension of a vein shown on the historic geology maps. Drilling in the vicinity of FC-18-0050 did not encounter further veining showing the extent of this network is likely minor.

Drilling in the south, encountered several new veins to the west of the Woods Vein that was the main host to Ag-Co mineralization in the Keeley Mine (Figure 5). Most of these veins occur in intervals <0.5m in width but an interesting interval of Co mineralization was intersected in FCC-18-0042 near the Nipissing Diabase contact where the highest grade silver mineralization was mined at the Keeley Mine. Holes FCC-18-0043 and -0044 show this vein does extend to surface assuming this represents a parallel structure to the Woods Vein. The silver-rich vein in FCC-18-0045 occurs further west and may be over 100m above the Diabase contact and warrants follow-up.

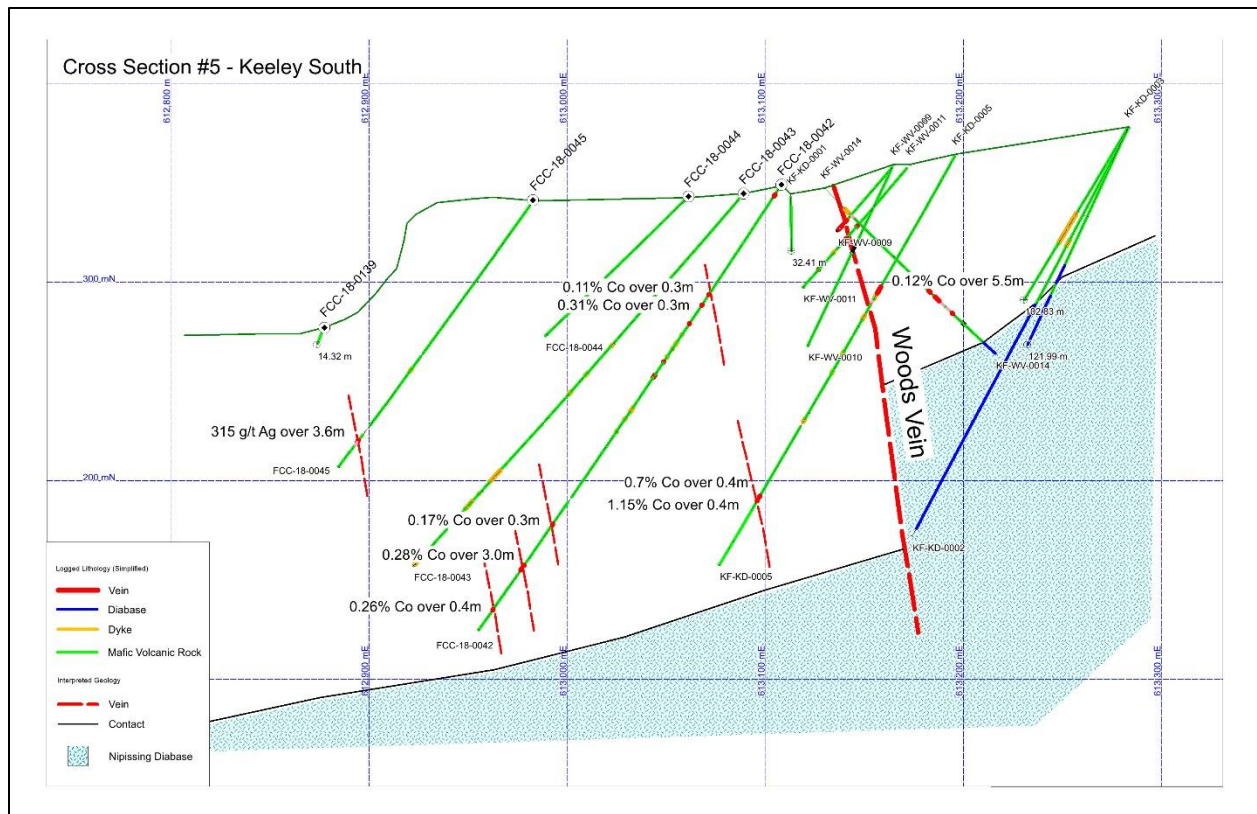


Figure 5. East-west cross section (looking north) showing drill holes in the southern portion of the Keeley-Frontier property. Section lines are shown in Figure 4.

Prior to the initial drilling program in 2017, a 3D model of the Keeley-Frontier Mine workings was constructed by digitizing a number of historical level plans. Intersections of voids in the 2017 drill campaigns in part validated the accuracy of the model. A geological model was also constructed based on surface maps, structural interpretations and a few historic cross sections showing geological relationships. Airborne magnetic data were acquired for the Keeley-Frontier area in 2017 showing a distinctive response from the Nipissing Diabase; stronger than the surrounding Archean mafic volcanic rocks. The contact zones between the Nipissing Diabase and the volcanic rocks is known to host Ag-Co mineralization within the Keeley-Frontier mines so further modelling was done post-drilling.

Mira Geoscience was engaged to model the magnetic data in light of the previous 3D interpretation and the new drill intersections from this program. The models were constructed using GOCAD Mining software. Specific attention to modelling the Nipissing Diabase at depth was given as the 2018 drilling program had confirmed previous interpretations that the Woods Vein occupies a fault with approximately 50-100m offset (Figure 5).

The results of modelling are shown in Figure 6. The new drill intersections of the Nipissing Diabase in the north and southern portions of the property were used to refine the upper contact of the Diabase. The new model shows a large "bulge" in Diabase occurs near the Frontier Mine and north of Keeley Mine. Silver-cobalt veining appear to be concentrated near this bulge. Faulting in the southern portion of the Keeley Mine may explain the higher grades of silver mineralization in that area where secondary veins could develop.

Inversion modelling of the 2017 airborne magnetic data shows a central anomalous zone that likely coincides with the Diabase "Bulge". A constrained inversion of magnetic data used magnetic susceptibility measurements of diamond drill core and shows the anomaly is steep sided suggesting the bulge may be due to faulting.

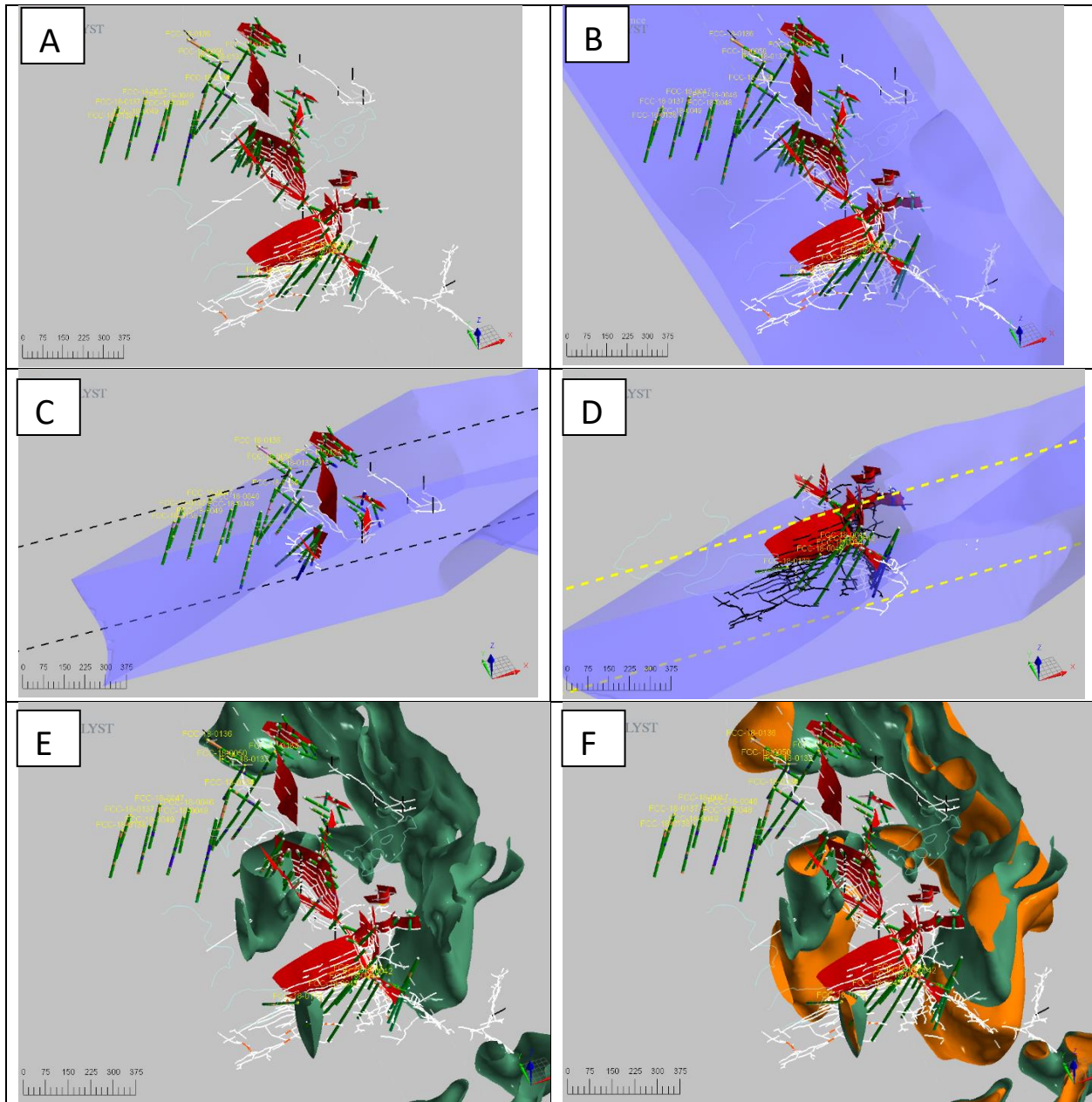


Figure 6. Images from the new 3D geological model of the Keeley-Frontier Property. Underground workings are shown in white. Silver-cobalt veins are shown in red. Drill holes are plotted with logged lithologies. Holes from the 2018 drilling program are labelled in yellow. The Nipissing Diabase is shown as the blue solid. A. Drill holes from 2017-2018 at Keeley-Frontier Mines. B. Modelled Nipissing Diabase intrusion. Section (width 200m) through model showing northern portion of Diabase Bulge near the Frontier Mine. D. Section (width 200m) through model showing Bulge north of Keeley Mine and fault offset in southern portion of the property. E. Unconstrained magnetic data inversion (green surface represents 0.002 magnetic susceptibility). F. Constrained magnetic inversion (orange surface represents 0.002 magnetic susceptibility).

Recommendations

Overall, the results from the 2018 Keeley-Frontier Property drill program were encouraging with the discovery of new cobalt veins and one silver vein west of the main Keeley Mine workings. Results in the northern portion of the property were disappointing as ore grade widths of cobalt mineralization were not regularly intersected. Veining was only encountered in one hole limiting the extent of mineralization in this area. Follow-up work in the south may include electrical ground geophysical surveys to potentially detect the extent of the veins drilled. Further modelling of the Nipissing Diabase using refined magnetic inversion methods of the existing data may better constrain the depth below the volcanic rocks of the “bulge” which could be a potential area where Ag-Co veins are concentrated near the upper contact. Veining may not be at great depth and close enough to surface to be targeted by drilling and ultimately be mineable.

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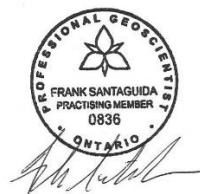
Certificate of Qualified Person

I, Frank Santaguida, Ph.D. P. Geo., residing in Whitby, Ontario, Canada, do hereby certify that:

- 1) I have personally prepared the Technical Report and approve of its contents.
- 2) I am the Vice President of Exploration for First Cobalt Corp. based in Toronto, Ontario at 176 Yonge Street, 6th Floor, Suite 06-117, M5C 2L7.
- 3) I graduated with an Honours B.Sc. and M.Sc (Earth Sciences) from University of Waterloo, Ontario in 1991 and 1994 respectively. I obtained my Ph.D. (Earth Sciences) at Carleton University, Ottawa, Ontario in 1999. I have practiced as a geoscientist continuously since 1991. I have worked on exploration and mining programs throughout Canada, Australia, Africa, Finland, and Sweden. I have extensive experience with both precious and base metals in various mineral deposit types and geological terranes.
- 4) I am a Practicing Professional Geologist registered with the Association of Professional Geoscientists of Ontario (APGO) since 2005, registration number, 0836
- 5) As of the effective date of the Technical Report, to the best of my knowledge, information and belief, this Technical Report contains all the scientific and technical information that is required to be disclosed to ensure the Technical Report is not misleading.

Toronto, Ontario, Canada

(Signed and Sealed) "Frank Santaguida"



April 16, 2020

Frank Santaguida, Ph.D., P. Geo.

Vice President Exploration

First Cobalt Corp.

Cobalt North Project

Drill Log FCC-18-0042

COLLAR INFORMATION

Easting: 613,108.16 m **Azimuth:** 264.10°
Northing: 5,227,778.75 m **Dip:** -56.90°
Elevation: 349.26 m **Length:** 272.00 m
Target: Targeting Wood's vein extension and exploratory hole testing repetitive vein sets
Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	264.1°	264.1°	-56.9°	Collar
17.00	276.6°	264.1°	-56.5°	EZ-Trac
50.00	276.0°	263.5°	-56.2°	EZ-Trac
101.00	276.3°	263.8°	-55.9°	EZ-Trac
152.00	276.6°	264.1°	-55.5°	EZ-Trac
203.00	277.7°	265.2°	-55.1°	EZ-Trac
251.00	277.2°	264.7°	-54.8°	EZ-Trac
272.00	278.6°	266.1°	-54.8°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Drilling	0.0	272.0	Laframboise Drilling	2018-Apr-11	Apr-17	
Geotech - Basic	2.0	272.0	Dave Lamontagne	2018-Apr-18	Apr-21	
Geotech + Orient	0.0	272.0	Dave Lamontagne	2018-Apr-18	Apr-21	
Geotech + Orient	2.0	272.0	Dave Lamontagne	2018-Apr-18	Apr-21	
Core Logging	0.0	189.9	Dan Chisholm	2018-Apr-30	May-01	
Core Logging	152.0	272.0	Jerry Grant	2018-May-03	May-04	
Core Logging	189.9	272.0	Jerry Grant	2018-May-03	May-04	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
0.00	0.30	CAS	CAS	Casing																		
0.30	15.77	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics. Typical minor po/py mineralization, usually in selvages, but occasionally in stringers. Scattered small white carb veins, both min (py) and non. Typically patchy/perv altered with sil/bl and/or alb/biotite	E6612702	1.00	2.00	1.00		54.0		<1.0	0	88	176	<5	88	<5	0.30		7	
					E6612703	2.00	3.00	1.00		57.2		<1.0	0	95	114	9	84	<5	0.31		7	
					E6612704	3.00	4.00	1.00		66.2		<1.0	0	97	166	6	98	<5	0.37		9	
					E6612705	4.00	5.00	1.00		53.0		<1.0	0	93	153	6	84	<5	0.29		7	
					E6612707	5.00	6.00	1.00		119.0		<1.0	2	120	445	27	74	44	1.53		15	
					E6612708	6.00	7.00	1.00		894.0		2.0	62	127	118	428	362	2270	0.26		84	
					E6612709	7.00	8.00	1.00		49.9		<1.0	1	93	83	9	92	23	0.17		7	
					E6612710	8.00	9.00	1.00		49.8		<1.0	1	72	118	14	65	12	0.46	0	6	
					E6612711	9.00	10.00	1.00		82.2		<1.0	1	104	159	11	80	<5	0.80	0	10	
					E6612713	10.00	11.00	1.00		57.8		<1.0	0	88	123	9	67	10	0.35		7	
					E6612714	11.00	12.00	1.00		72.3		<1.0	1	81	205	14	111	36	0.84	0	9	
					E6612715	12.00	13.00	1.00		75.1		<1.0	1	82	239	16	80	16	1.21	0	10	
					E6612716	13.00	14.00	1.00		32.7		<1.0	0	57	113	8	56	<5	0.26	0	5	
					E6612717	14.00	15.00	1.00		69.4		<1.0	1	87	185	14	92	9	0.83	0	9	
					E6612719	15.00	16.00	1.00		54.3		<1.0	0	88	131	13	82	7	0.36	0	7	
15.77	16.97	VMVCL	VMVCL	Mafic Volcanic - Volcaniclastic (volcanics > minor interflow seds) small volcaniclastic horizon with rounded mafic to intermediate clasts. Sharp upper (31/15) and lower (35/45) contacts	E6612720	16.00	17.00	1.00		48.8		<1.0	0	67	93	12	90	11	0.50		6	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
16.97	84.12	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6612721	17.00	18.00	1.00		35.1		<1.0	0	150	35	17	121	7	0.02	2	6
				pillowed mafic volcanics. Typical minor po/py mineralization, usually in selvages, but occasionally in stringers.	E6612722	18.00	19.00	1.00		54.0		<1.0	0	82	113	10	90	10	0.72	3	7
				Scattered small white carb veins, both min (py) and non. Typically patchy/perv altered with sil/bl and/or alb/biotite	E6612723	19.00	20.00	1.00		57.6		<1.0	0	88	102	37	111	16	0.36	1	7
					E6612725	21.00	22.00	1.00		56.8		<1.0	0	73	168	28	61	<5	0.89		7
					E6612727	22.00	23.00	1.00		89.6		1.0	1	81	716	133	146	24	1.19		15
					E6612728	23.00	24.00	1.00		29.2		<1.0	0	46	60	8	57	7	0.24		4
					E6612729	24.00	25.00	1.00		38.9		<1.0	0	58	83	11	72	<5	0.22		5
					E6612731	26.00	27.00	1.00		53.9		<1.0	0	77	139	21	118	<5	0.46		7
					E6612733	27.00	28.00	1.00		52.2		<1.0	0	73	115	13	64	<5	0.40		7
					E6612734	28.00	29.00	1.00		52.8		<1.0	0	74	149	<5	72	<5	0.25		7
					E6612735	29.00	30.00	1.00		40.7		<1.0	0	67	80	20	64	<5	0.07		5
					E6612737	31.00	32.00	1.00		43.3		<1.0	0	59	119	<5	67	6	0.18		6
					E6612739	32.00	33.00	1.00		52.4		<1.0	0	76	79	6	69	<5	0.10		6
					E6612740	33.00	34.00	1.00		57.8		<1.0	0	94	82	<5	63	6	0.17		7
					E6612741	34.00	35.00	1.00		44.4		<1.0	0	82	64	<5	63	5	0.14		6
					E6612743	36.00	37.00	1.00		62.5		<1.0	0	90	129	<5	73	6	0.14		8
					E6612744	37.00	38.00	1.00		59.5		<1.0	0	93	114	<5	72	<5	0.18		8
					E6612745	38.00	39.00	1.00		57.6		<1.0	0	91	138	<5	70	<5	0.21		7
					E6612747	39.00	40.00	1.00		51.2		<1.0	0	79	84	<5	73	<5	0.10	45	6
					E6612749	41.00	42.00	1.00		58.4		<1.0	0	96	85	<5	84	<5	0.13	45	7
					E6612750	42.00	43.00	1.00		57.3		<1.0	0	81	152	7	67	<5	0.22	45	7
					E6612751	43.00	44.00	1.00		65.0		<1.0	0	96	91	<5	78	<5	0.23	45	8
					E6612753	44.00	45.00	1.00		79.5		<1.0	0	113	180	6	72	7	0.48	45	10
					E6612755	46.00	47.00	1.00		57.4		<1.0	0	85	82	<5	75	<5	0.10	45	7
					E6612756	47.00	48.00	1.00		48.2		<1.0	0	79	84	<5	65	<5	0.10	45	6
					E6612757	48.00	49.00	1.00		56.1		<1.0	0	86	103	<5	63	6	0.10	45	7
					E6612759	49.00	50.00	1.00		57.7		<1.0	0	80	101	6	67	7	0.13	45	7
					E6612760	50.00	51.00	1.00		58.7		<1.0	0	82	140	76	135	6	0.32	45	8
					E6612761	51.00	52.00	1.00		74.5		3.0	0	98	227	20	91	<5	0.61	45	11
					E6612762	52.00	53.00	1.00		50.4		<1.0	0	77	117	<5	70	<5	0.16	100	7
					E6612763	53.00	54.00	1.00		58.8		<1.0	0	89	109	<5	66	6	0.18	100	7
					E6612764	54.00	55.00	1.00		53.6		<1.0	0	82	86	<5	68	<5	0.10	100	7
					E6612765	55.00	56.00	1.00		45.3		<1.0	0	78	83	<5	69	<5	0.10	100	6
					E6612767	56.00	57.00	1.00		51.6		1.0	1	78	103	5	84	28	0.19	100	7
					E6612768	57.00	58.00	1.00		46.8		<1.0	1	82	96	29	165	10	0.20	135	6
					E6612769	58.00	59.00	1.00		43.6		<1.0	0	73	131	<5	82	<5	0.22	135	6
					E6612770	59.00	60.00	1.00		52.2		<1.0	0	81	130	5	95	<5	0.27	135	7
					E6612771	60.00	61.00	1.00		55.0		<1.0	0	84	93	19	81	7	0.33	135	7
					E6612773	61.00	61.57	0.57		42.6		<1.0	0	74	31	31	98	11	0.12	135	5
					E6612774	61.57	61.87	0.30		87.3		<1.0	1	92	1260	427	605	28	1.51	135	20
					E6612775	61.87	62.50	0.63		55.1		<1.0	0	75	198	148	148	12	0.62	135	8
					E6612776	62.50	63.00	0.50		52.2		<1.0	0	78	122	12	86	<5	0.17	135	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
					E6612777	63.00	64.00	1.00		54.8		<1.0	0	101	94	5	89	<5	0.14	135	7
					E6612779	64.00	65.00	1.00		49.0		<1.0	0	85	66	9	94	<5	0.10	135	6
					E6612780	65.00	66.00	1.00		62.8		<1.0	0	83	229	8	100	<5	0.50	135	9
					E6612781	66.00	66.40	0.40		63.9		<1.0	0	84	267	24	218	26	0.57	135	9
					E6612782	66.40	66.70	0.30		1060.0		19.0	82	83	458	3240	610	10000	0.80	135	116
					E6612784	66.70	67.10	0.40		66.8		<1.0	0	108	214	43	227	139	0.50	135	10
					E6612785	67.10	68.00	0.90		379.0		<1.0	8	80	182	52	105	994	0.25	135	36
					E6612787	68.00	69.00	1.00		63.4		2.0	3	97	208	11	90	20	0.67	113	10
					E6612788	69.00	70.00	1.00		62.6		<1.0	2	96	210	7	84	43	0.61	113	9
					E6612789	70.00	71.00	1.00		58.8		<1.0	1	94	285	7	89	24	0.93	113	9
					E6612790	71.00	72.00	1.00		45.3		<1.0	1	108	101	9	88	17	0.34	113	6
					E6612791	72.00	72.78	0.78		60.0		<1.0	1	105	104	8	111	15	0.40	113	8
					E6612793	72.78	73.08	0.30		3060.0		2.0	366	108	187	98	277	12700	0.84	113	275
					E6612794	73.08	74.00	0.92		51.2		<1.0	1	85	69	9	99	20	0.23	113	6
					E6612795	74.00	75.00	1.00		63.9		<1.0	3	105	116	8	96	47	0.39	113	8
					E6612796	75.00	76.00	1.00		88.7		<1.0	1	114	434	10	107	6	1.35	113	13
					E6612797	76.00	77.00	1.00		65.5		<1.0	1	102	182	14	97	9	0.61	113	9
					E6612799	77.00	78.00	1.00		55.7		<1.0	0	96	182	7	74	<5	0.60	113	8
					E6612800	78.00	79.00	1.00		56.5		<1.0	0	91	162	<5	97	5	0.46	113	8
					E6612801	79.00	80.00	1.00		44.6		<1.0	0	83	86	6	101	<5	0.29	113	6
					E6612802	80.00	81.00	1.00		59.0		<1.0	0	84	332	<5	95	6	0.69	113	9
					E6612803	81.00	82.00	1.00		68.0		<1.0	0	105	176	<5	91	<5	0.65	113	9
					E6612804	82.00	83.00	1.00		49.2		<1.0	0	72	151	11	118	26	0.37	113	7
					E6612805	83.00	84.00	1.00		54.3		<1.0	0	90	102	10	86	18	0.33	113	7
84.12	84.26	VEIN	VEIN	Vein brecciated white carb vein associated with upper limit of faulted IMLAMP zone. Angular and aligned clasts of VMP within, as well as rounded blebs of skut/cob/ga and ga. Uc and lc are fairly sharp and // at 37/305																	
84.26	84.40	FLTZ	FLTZ	Fault Zone very sheared, lots of gouge both healed and not, some very platy, almost micaceous. Fault seems to have two limbs and have been intruded with a LAMP that has also been faulted.	E6612807	84.00	84.70	0.70		252.0		4.0	29	496	884	505	1060	911	0.52	113	41
84.40	90.70	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor py mineralization in selvages. Sporadically weakly alb/biotite altered	E6612810	84.70	85.00	0.30		64.1		5.0	16	625	151	988	1500	519	0.39	113	25
					E6612811	85.00	85.50	0.50		93.6		6.0	7	982	382	1070	3930	465	2.36	113	42
					E6612813	85.50	86.00	0.50		54.8		<1.0	2	100	106	88	164	59	0.54	86	8
					E6612814	86.00	87.00	1.00	50016	52.3	31439	<1.0	0	85	72	6	100	9	0.31	19666	7
					E6612815	87.00	88.00	1.00		51.2		<1.0	0	90	69	14	86	6	0.30	87	7
					E6612816	88.00	89.00	1.00		60.1		<1.0	0	90	147	<5	93	5	0.49	87	8
					E6612817	89.00	90.00	1.00		112.0		<1.0	1	153	292	16	76	20	1.78	87	14
					E6612819	90.00	91.00	1.00		52.6		<1.0	0	144	113	6	98	5	0.44	87	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
90.70	91.24	II	II	Intermediate Intrusive small II dyke, irregular uc and lc, both quite sinuous and slightly gradational	E6612820	91.00	92.00	1.00		52.5		<1.0	0	111	104	8	91	6	0.39	87	7
91.24	95.44	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor py mineralzation in selvages. Sporadically weakly alb/biotite altered	E6612821	92.00	93.00	1.00		60.1		<1.0	0	93	113	6	92	<5	0.47	87	8
					E6612822	93.00	94.00	1.00		53.8		<1.0	0	86	89	6	86	<5	0.32	87	7
					E6612823	94.00	95.00	1.00		54.0		<1.0	0	94	73	6	85	<5	0.34	57	7
					E6612824	95.00	95.44	0.44		53.8		<1.0	0	113	27	<5	85	<5	0.24	57	7
95.44	97.03	II	II	Intermediate Intrusive medium grained and medium grey II with irregular uc and lc	E6612825	95.44	96.10	0.66		43.9		<1.0	0	243	14	11	91	6	0.15	57	8
					E6612827	96.10	97.00	0.90		42.1		<1.0	0	273	13	13	99	6	0.15	57	8
					E6612828	97.00	98.00	1.00		56.7		<1.0	0	84	95	<5	85	<5	0.29	57	7
97.03	99.27	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor py mineralzation in selvages. Sporadically weakly alb/biotite altered	E6612829	98.00	99.00	1.00		54.8		<1.0	0	88	99	<5	86	<5	0.36	57	7
99.27	99.68	II	II	Intermediate Intrusive small II dyke with very sinuous and irregular uc/lc	E6612830	99.00	100.00	1.00		50.9		<1.0	0	82	208	23	106	<5	0.51	57	7
99.68	104.22	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor py mineralzation in selvages. Sporadically weakly alb/biotite altered	E6612831	100.00	101.00	1.00		52.8		<1.0	0	127	85	417	481	<5	0.38	57	9
					E6612833	101.00	102.00	1.00		48.7		<1.0	0	71	97	12	114	<5	0.37	57	6
					E6612834	102.00	103.00	1.00		53.8		<1.0	0	88	97	14	135	<5	0.31	57	7
					E6612835	103.00	104.00	1.00		58.0		<1.0	0	97	157	14	114	10	0.37	57	8
104.22	104.75	IM	IM	Mafic Intrusive (non-Nipissing) dark grey, medium grey IM dyke, irreg uc, lc at 53/180	E6612836	104.00	105.00	1.00		38.8		<1.0	0	155	28	138	453	9	0.19	57	7
104.75	107.29	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor popy mineralzation in selvages. Sporadically weakly alb/biotite altered	E6612837	105.00	106.00	1.00		55.2		<1.0	0	99	129	67	382	18	0.49	57	8
					E6612839	106.00	107.00	1.00		52.3		<1.0	0	164	89	15	93	19	0.46	57	8
					E6612840	107.00	107.30	0.30		41.4		<1.0	0	208	27	33	54	28	0.31	57	7
107.29	107.53	IM	IM	Mafic Intrusive (non-Nipissing) small IM dyke with uc at 78/190, slightly irregular. Uc is coincident with white quartz-carb vein and very irregular.	E6612841	107.30	107.60	0.30		24.0		<1.0	0	88	13	15	52	<5	0.13	57	4
107.53	107.98	VEINZ	VEINZ	Vein Zone massive, brecciated quartz-carb vein, very white, with common angular clasts of wall rock. Minor po/py/cp/sph min throughout vein. Small gouged fault at core of vein, quite sharp.	E6612842	107.60	108.00	0.40		26.7		<1.0	1	70	313	62	1640	11	0.49	1	11
107.98	115.25	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor popy mineralzation in selvages. Sporadically weakly alb/biotite/epi altered	E6612843	108.00	109.00	1.00		73.6		<1.0	0	98	157	16	426	15	0.85	0	10
					E6612844	109.00	110.00	1.00		43.7		<1.0	0	59	111	11	326	7	0.30	59	6
					E6612845	110.00	111.00	1.00		53.9		<1.0	0	83	74	10	89	5	0.42	70	7
					E6612847	111.00	112.00	1.00		58.7		<1.0	0	87	100	6	97	<5	0.48	70	7
					E6612848	112.00	113.00	1.00		57.7		<1.0	0	83	80	22	169	<5	0.47	70	7
					E6612849	113.00	114.00	1.00		52.7		<1.0	0	73	41	39	204	6	0.22	70	7
					E6612850	114.00	115.00	1.00		63.7		<1.0	0	80	106	28	230	<5	0.49	70	8
					E6612851	115.00	115.30	0.30		43.8		<1.0	0	74	46	30	152	10	0.22	70	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
115.25	117.25	VEINZ	VEINZ	Vein Zone silicified, epi altered vein zone, very swirly/sheared. Minor po/py/cp/sph throughout	E6612853	115.30	116.00	0.70		28.3		<1.0	0	29	106	42	142	<5	0.40	70	4
					E6612854	116.00	117.00	1.00		50.5		<1.0	0	52	118	60	194	12	0.53	70	7
					E6612855	117.00	117.30	0.30		47.9		<1.0	0	29	91	31	103	27	0.27	70	6
117.25	135.25	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor popy mineralzation in selvages. Sporadically weakly alb/biotite altered	E6612856	117.30	118.00	0.70		61.2		<1.0	0	65	145	37	131	<5	0.55	70	8
					E6612857	118.00	119.00	1.00		57.1		<1.0	0	84	107	8	91	<5	0.33	70	7
					E6612859	119.00	120.00	1.00		57.2		<1.0	0	81	108	7	94	<5	0.32	70	7
					E6612860	120.00	121.00	1.00		48.2		<1.0	0	68	102	10	84	<5	0.27	70	6
					E6612861	121.00	122.00	1.00		44.4		<1.0	0	66	115	9	90	<5	0.29	70	6
					E6612862	122.00	123.00	1.00		60.9		<1.0	0	88	137	40	270	<5	0.40	70	8
					E6612863	123.00	124.00	1.00		58.6		<1.0	0	87	125	13	92	6	0.39	70	8
					E6612864	124.00	125.00	1.00		51.2		<1.0	0	77	84	14	87	<5	0.34	70	6
					E6612865	125.00	126.00	1.00		50.7		<1.0	0	78	75	19	86	<5	0.30	70	6
					E6612867	126.00	127.00	1.00		43.8		<1.0	0	52	98	8	72	6	0.35	70	5
					E6612868	127.00	128.00	1.00		53.8		<1.0	0	68	121	5	87	<5	0.37	70	7
					E6612869	128.00	129.00	1.00		56.9		<1.0	0	76	102	<5	92	<5	0.36	70	7
					E6612870	129.00	130.00	1.00		68.2		<1.0	0	82	126	5	85	<5	0.58	70	8
					E6612871	130.00	131.00	1.00		59.8		<1.0	0	78	105	8	100	<5	0.56	70	7
					E6612873	131.00	132.00	1.00		55.5		<1.0	0	101	60	6	92	6	0.26	70	7
					E6612874	132.00	133.00	1.00		45.6		<1.0	0	69	66	7	78	<5	0.24	70	6
					E6612875	133.00	134.00	1.00		54.2		<1.0	0	71	99	6	84	<5	0.44	70	7
					E6612876	134.00	135.00	1.00		58.7		<1.0	0	77	146	6	103	<5	0.51	70	8
					E6612877	135.00	136.00	1.00		28.7		<1.0	0	51	133	11	126	<5	0.38	70	5
135.25	137.95	IM	IM	Mafic Intrusive (non-Nipissing) IM dyke with uc at 31/305, fine grained, medium-dark grey. Uc at 31/315	E6612879	136.00	137.00	1.00		22.8		<1.0	0	45	101	17	132	6	0.22	70	4
					E6612880	137.00	138.00	1.00		27.5		<1.0	0	38	311	13	90	<5	0.51	70	5
137.95	142.04	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor popy mineralzation in selvages. Sporadically weakly alb/biotite/epi altered.	E6612881	138.00	139.00	1.00		48.6		<1.0	0	71	91	6	71	<5	0.43	70	6
					E6612882	139.00	140.00	1.00		48.3		<1.0	0	73	132	12	74	<5	0.35	70	6
					E6612883	140.00	141.00	1.00		91.0		<1.0	1	85	451	24	1180	19	1.18	70	16
					E6612884	141.00	142.00	1.00		57.0		<1.0	0	76	189	8	73	<5	0.48	70	8
142.04	142.90	IM	IM	Mafic Intrusive (non-Nipissing) small IM dyke, very irreg uc and lc. Fine grained, medium grey	E6612885	142.00	143.00	1.00		61.5		<1.0	0	97	196	9	87	<5	0.42	70	8
142.90	149.46	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor popy mineralzation in selvages. Sporadically weakly alb/biotite/epi altered	E6612887	143.00	144.00	1.00		62.1		<1.0	0	83	185	26	217	<5	0.68	70	9
					E6612888	144.00	145.00	1.00		38.8		<1.0	0	59	92	13	226	<5	0.46	70	6
					E6612889	145.00	146.00	1.00		52.0		<1.0	0	80	148	9	92	<5	0.31	70	7
					E6612890	146.00	147.00	1.00		49.9		<1.0	0	79	153	7	77	<5	0.26	91	7
					E6612891	147.00	148.00	1.00		52.5		<1.0	0	79	125	5	77	<5	0.24	95	7
					E6612893	148.00	149.00	1.00		37.5		<1.0	0	57	71	8	64	<5	0.05	95	5
					E6612894	149.00	150.00	1.00		40.0		<1.0	0	72	120	23	557	<5	0.18	95	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
149.46	150.40	II	II	Intermediate Intrusive light grey, medium grained, uc at 52/180 and lc very irregular	E6612895	150.00	151.00	1.00		40.2		<1.0	0	88	114	16	369	<5	0.15	95	7
150.40	189.93	VMP	VMP	Mafic Volcanic - Pillowed Flow pillowed mafic volcanics with minor popy mineralzation in selvages. Sporadically weakly alb/biotite/epi altered. JWG started logging at 152m. Dark grey-green pillows with selvages every 50 cm or so. The selvages and local pathces of hyaloclastite are variably beached to light grey or bone white. Pyrite +/- pyrrhotite occurs in some selvages and in cross-cutting narrow carbonate veins. 153.25: Driller's block "Block" 154.60: Driller's block "Block" 176.03 - 17.16: Diabase. Wavy margins and small, angular xenoliths of mafic wallrock.	E6612896	151.00	152.00	1.00		49.7		<1.0	0	68	108	5	64	<5	0.30	82	6
					E6612897	152.00	153.00	1.00		32.0		<1.0	0	67	49	13	62	<5	0.10	70	4
					E6612899	153.00	154.00	1.00		48.1		<1.0	0	75	100	5	73	<5	0.22	70	6
					E6612900	154.00	155.00	1.00		57.7		<1.0	0	79	299	8	69	<5	0.58	70	8
					E6612901	155.00	156.00	1.00		57.7		<1.0	0	76	239	8	63	<5	0.53	70	8
					E6612902	156.00	157.00	1.00		42.6		<1.0	0	73	72	9	82	<5	0.11	70	6
					E6612903	157.00	158.00	1.00		54.0		<1.0	0	84	118	<5	76	<5	0.21	70	7
					E6612904	158.00	159.00	1.00		48.2		<1.0	0	78	253	6	78	<5	0.33	70	7
					E6612905	159.00	160.00	1.00		48.9		<1.0	0	73	219	6	72	<5	0.48	70	7
					E6612907	160.00	161.00	1.00		38.2		<1.0	0	87	61	7	67	<5	0.15	70	5
					E6612908	161.00	162.00	1.00		55.7		<1.0	0	130	224	9	79	<5	0.41	70	8
					E6612909	162.00	163.00	1.00		46.5		<1.0	0	85	85	7	77	<5	0.16	70	6
					E6612910	163.00	164.00	1.00		55.2		<1.0	0	108	94	21	155	<5	0.16	70	8
					E6612911	164.00	165.00	1.00		44.5		<1.0	0	86	33	7	71	<5	0.05	70	6
					E6612913	165.00	166.00	1.00		38.2		<1.0	0	61	55	8	93	<5	0.13	70	5
					E6612914	166.00	167.00	1.00		41.9		<1.0	0	70	83	5	66	<5	0.17	44	5
					E6612915	167.00	168.00	1.00		54.8		<1.0	0	83	112	6	72	<5	0.30	44	7
					E6612916	168.00	169.00	1.00		55.8		<1.0	0	74	150	7	72	<5	0.29	44	7
					E6612917	169.00	170.00	1.00		39.1		<1.0	0	73	132	6	67	<5	0.14	44	6
					E6612919	170.00	171.00	1.00		51.0		<1.0	0	74	107	9	72	<5	0.25	44	6
					E6612920	171.00	172.00	1.00		57.6		<1.0	0	79	184	26	380	<5	0.32	44	9
					E6612921	172.00	173.00	1.00		37.5		<1.0	0	60	34	19	93	<5	0.07	44	5
					E6612922	173.00	174.00	1.00		43.5		<1.0	0	69	33	26	89	<5	0.11	44	5
					E6612923	174.00	175.00	1.00		51.1		<1.0	0	80	79	12	164	<5	0.15	44	7
					E6612925	175.00	176.00	1.00		48.6		<1.0	0	79	89	11	76	<5	0.16	6	6
					E6612926	176.00	177.00	1.00		46.5		<1.0	0	90	68	60	108	<5	0.11	6	6
					E6612927	177.00	178.00	1.00		70.5		<1.0	0	102	449	184	673	<5	0.71	6	13
					E6612928	178.00	179.00	1.00		53.0		<1.0	0	82	103	13	117	<5	0.26	6	7
					E6612929	179.00	180.00	1.00		79.4		<1.0	0	136	360	17	157	<5	0.62	6	12
					E6612931	180.00	181.00	1.00		55.6		<1.0	0	90	108	10	107	<5	0.30	6	7
					E6612932	181.00	182.00	1.00		57.1		<1.0	0	98	107	7	84	<5	0.26	6	7
					E6612933	182.00	183.00	1.00		54.3		<1.0	0	85	115	7	89	<5	0.21	6	7
					E6612934	183.00	184.00	1.00		59.5		<1.0	0	102	79	6	104	<5	0.25	6	8
					E6612935	184.00	185.00	1.00		51.6		<1.0	0	85	71	7	86	<5	0.16	6	6
					E6612937	185.00	186.00	1.00		44.7		<1.0	0	66	69	7	82	<5	0.15	6	6
					E6612938	186.00	187.00	1.00		56.3		<1.0	0	84	144	141	98	<5	0.25	6	8
					E6612939	187.00	188.00	1.00		58.4		<1.0	0	98	102	7	71	<5	0.27	6	7
					E6612940	188.00	189.00	1.00		61.6		<1.0	0	112	186	10	70	<5	0.39	6	8
					E6612941	189.00	189.93	0.93		31.0		<1.0	0	69	118	42	290	<5	0.04	6	5

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
189.93	193.19	IMLAM	LMP	Lamprophyre Medium-grained, with 2% biotite as fine grains and a few 5 mm clots. Narrow chills at the upper and lower margins, but not along two wallrock xenoliths at 191.75-191.95 and 192.61-192.66.	E6612943	189.93	191.00	1.07		48.8		<1.0	0	388	13	11	125	14	<0.01	6	10
					E6612944	191.00	192.00	1.00		43.0		<1.0	0	396	17	5	113	<5	<0.01	6	10
					E6612945	192.00	193.19	1.19		38.9		<1.0	0	310	127	6	125	<5	<0.01	6	9
193.19	206.98	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed as above, but becoming darker and less bleached down hole. Pyrite and pyrrhotite are more abundant in the selvages than previously, but still <0.2%. Rare but large (up to 2 cm) amygdules. 199.14-199.18: Vein. Comminuted-looking quartz and wall rock material, enclosed in interlocking coarse coarse carbonate grains. One small patch of pyrrhotite.	E6612946	193.19	194.00	0.81		38.5		<1.0	0	156	511	34	435	<5	0.15	6	10
					E6612947	194.00	195.00	1.00		56.2		<1.0	0	89	109	12	89	<5	0.18	6	7
					E6612949	195.00	196.00	1.00		56.6		<1.0	0	98	103	7	73	<5	0.24	6	7
					E6612950	196.00	197.00	1.00		53.3		<1.0	0	93	80	8	88	<5	0.21	6	7
					E6561101	197.00	198.00	1.00		56.7		<1.0	1	94	101	47	115	30	0.29	6	7
					E6561102	198.00	199.00	1.00		41.5		1.0	1	81	34	42	312	46	0.07	6	7
					E6561103	199.00	199.30	0.30		164.0		2.0	6	70	111	331	217	1140	0.04	6	19
					E6561104	199.30	200.00	0.70		38.4		<1.0	0	68	46	48	161	34	0.13	6	5
					E6561105	200.00	201.00	1.00		63.5		<1.0	1	85	112	21	117	30	0.27	6	8
					E6561107	201.00	202.00	1.00		57.9		<1.0	0	76	46	19	82	12	0.13	6	7
					E6561108	202.00	203.00	1.00		48.7		<1.0	0	75	59	10	64	<5	0.23	6	6
					E6561109	203.00	204.00	1.00		74.2		<1.0	0	93	103	11	76	<5	0.71	6	9
					E6561110	204.00	205.00	1.00		61.4		<1.0	0	122	91	33	90	29	0.36	10	8
					E6561111	205.00	206.00	1.00		73.3		<1.0	0	95	98	12	103	56	0.45	11	9
					E6561113	206.00	206.80	0.80		53.8		<1.0	3	99	134	29	259	77	0.39	11	8
206.98	207.00	VEIN	VEIN	Vein, with cobaltite along margins The 2 cm vein is clogged with angular wall fragments, but becomes massive fine-grained carbonate then massive fine-grained quartz along the vein, i.e. the changes occur perpendicular to the vein margins. A few mm of fine cobaltite occurs intermittently along the vein margins, as does one 3 mm patch of chalcopyrite.	E6561114	206.80	207.10	0.30		1660.0		30.0	227	144	778	1210	227	6570	0.47	11	172

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
207.00	232.08	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6561116	207.10	208.00	0.90		62.3		1.0	1	104	94	19	87	77	0.37	11	8
				As above, continuing darker and less bleached but with odd, sharp-walled bleached patches to 5 cm. Minor amygdules. Pyrrhotite and pyrite are more abundant, up to 1% over	E6561117	208.00	209.00	1.00		75.6		<1.0	7	90	64	52	93	122	0.14	11	9
					E6561119	209.00	210.00	1.00		72.6		<1.0	1	84	105	39	117	150	0.34	11	9
				211.00-213.00: 1% pyrrhotite>pyrite.	E6561120	210.00	211.00	1.00		53.7		<1.0	1	69	167	62	367	60	0.57	11	8
				213.77-214.11: Lamprophyre, 15% wallrock xenoliths.	E6561121	211.00	212.00	1.00		64.8		<1.0	0	94	321	45	108	56	1.45	11	10
				216.15-218.15: 1% pyrrhotite>pyrite.	E6561122	212.00	213.00	1.00		60.4		<1.0	0	109	270	39	96	52	0.76	11	9
				228.83-229.10: 1% pyrrhotite>pyrite.	E6561123	213.00	214.00	1.00		47.1		<1.0	0	90	105	54	90	45	0.32	11	7
					E6561124	214.00	215.00	1.00		53.5		<1.0	0	100	237	23	69	46	0.41	11	8
					E6561125	215.00	216.00	1.00		39.8		<1.0	0	67	61	7	74	18	0.27	11	5
					E6561127	216.00	217.00	1.00		45.2		<1.0	0	60	90	7	65	8	0.39	11	6
					E6561128	217.00	218.00	1.00		73.1		<1.0	0	92	304	14	82	<5	1.52	11	10
					E6561129	218.00	219.00	1.00		47.7		<1.0	0	84	80	10	84	<5	0.52	11	6
					E6561130	219.00	220.00	1.00		44.5		<1.0	0	73	48	13	84	9	0.23	11	6
					E6561131	220.00	221.00	1.00		121.0		<1.0	4	84	257	172	147	265	0.45	11	14
					E6561133	221.00	222.00	1.00		47.6		<1.0	0	74	85	34	83	30	0.49	11	6
					E6561134	222.00	223.00	1.00		55.8		<1.0	0	82	123	44	93	34	0.66	11	7
					E6561135	223.00	224.00	1.00		42.6		<1.0	0	77	75	43	97	27	0.40	11	6
					E6561136	224.00	225.00	1.00		34.3		<1.0	0	58	71	573	88	22	0.34	11	6
					E6561137	225.00	226.00	1.00		62.8		<1.0	0	74	139	26	121	45	0.63	11	8
					E6561139	226.00	227.00	1.00		63.1		<1.0	0	90	164	29	121	35	0.87	11	8
					E6561140	227.00	228.00	1.00		39.8		<1.0	0	73	172	24	81	22	0.31	11	6
					E6561141	228.00	229.00	1.00		67.5		<1.0	0	83	275	112	173	41	1.43	11	10
					E6561142	229.00	230.00	1.00		84.7		<1.0	0	84	345	114	97	70	1.71	11	12
					E6561143	230.00	231.00	1.00		70.8		<1.0	0	87	252	45	113	67	1.09	11	10
					E6561144	231.00	232.00	1.00		67.3		<1.0	63	115	377	118	365	400	1.72	11	11
232.08	232.13	VEIN	VEIN	Vein, with cobaltite patch	E6561145	232.00	232.32	0.32		22000.0		4.0	1610	331	267	114	107	89600	1.99	11	1949
				35 mm quartz-carb vein at 43 dca carrying a 1.5 x 4.5 mm slug of cobaltite along the up hole contact.																	
232.13	236.68	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6561147	232.32	233.00	0.68		121.0		3.0	270	82	577	112	163	2700	0.75	11	18
				As above the vein.	E6561148	233.00	234.00	1.00		309.0		2.0	23	101	413	68	267	1310	1.18	11	33
					E6561149	234.00	235.00	1.00		826.0		10.0	47	89	2110	119	200	5280	0.69	11	94
					E6561150	235.00	236.00	1.00		57.5		1.0	3	87	261	28	113	110	0.79	11	9
					E6561151	236.00	236.68	0.68		54.5		<1.0	1	102	130	12	112	69	0.65	11	7
236.68	237.41	IMLAM	LMP	Lamprophyre	E6561153	236.68	237.41	0.73		47.5		<1.0	1	236	76	49	137	48	0.13	11	8
				Typical, xenolith-free lamp.																	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
237.41	244.70	VMP	VMP	Mafic Volcanic - Pillowed Flow As above the lamp, but with increasing pervasive bleaching.	E6561154	237.41	238.00	0.59		49.8		<1.0	0	107	80	8	108	29	0.43	11	7
					E6561155	238.00	239.00	1.00		60.7		<1.0	0	99	138	27	115	48	0.71	11	8
					E6561156	239.00	240.00	1.00		49.2		<1.0	0	92	89	35	94	44	0.47	11	7
					E6561157	240.00	241.00	1.00		42.1		<1.0	0	79	60	92	414	31	0.27	11	7
					E6561159	241.00	242.00	1.00		35.0		<1.0	0	64	63	42	108	31	0.18	11	5
					E6561160	242.00	243.00	1.00		39.3		<1.0	1	93	129	24	110	48	0.28	11	6
					E6561161	243.00	244.00	1.00		44.7		<1.0	1	94	339	23	326	51	0.41	11	9
					E6561162	244.00	245.00	1.00		40.6		1.0	0	94	68	8	70	56	0.29	11	6
244.70	246.82	ALTZ	ALTZ	Bleached Zone The increasing bleaching above intensifies over a few cm to a completely altered, hard rock with a very light grey colour with a slight green tint. No primary features are apparent, but the gradational contacts would suggest it is still the mafic volcanic. There are no fabrics or structures that would explain the focussed alteration, so it may be seafloor. The bleaching decreases ust as abruptly into the volcanics below.	E6561163	245.00	246.00	1.00		31.8		<1.0	0	89	36	10	49	119	0.15	11	4
					E6561164	246.00	246.82	0.82		39.6		<1.0	0	80	38	8	57	159	0.10	11	5
246.82	259.45	VMP	VMP	Mafic Volcanic - Pillowed Flow As above the bleached zone, but with the bleaching decreasing down-hole. 253.47-253.80: Moderately bleached. 258.25: Driller's block: "Block"	E6561165	246.82	248.00	1.18		48.1		<1.0	1	104	106	33	73	64	0.74	11	7
					E6561167	248.00	249.00	1.00		46.8		<1.0	0	94	182	9	76	28	0.80	11	7
					E6561168	249.00	250.00	1.00		51.3		<1.0	0	87	209	12	96	12	0.95	11	7
					E6561169	250.00	251.00	1.00		52.3		1.0	0	60	142	6	68	13	0.72	11	7
					E6561170	251.00	252.00	1.00		29.3		<1.0	0	49	73	5	67	<5	0.24	11	4
					E6561171	252.00	253.00	1.00		46.7		1.0	0	97	90	9	90	12	0.46	11	7
					E6561173	253.00	254.00	1.00		49.1		<1.0	0	122	28	8	58	26	0.18	11	6
					E6561174	254.00	255.00	1.00		54.6		1.0	0	177	29	7	62	20	0.14	11	8
					E6561175	255.00	256.00	1.00		57.6		<1.0	0	144	37	9	70	30	0.18	11	8
					E6561176	256.00	257.00	1.00		52.9		<1.0	0	151	28	10	97	34	0.18	11	7
					E6561177	257.00	258.00	1.00		44.7		1.0	0	109	28	10	48	28	0.13	11	6
					E6561179	258.00	258.67	0.67		48.2		4.0	0	122	10	6	46	26	0.10	11	8
					E6561180	258.67	259.27	0.60		35.4		3.0	1	102	9	37	128	28	0.19	11	7
259.45	259.50	VEIN	VEIN	Massive cobaltite slug A 30 mm vein of near-massive cobaltite with only minor carbonate enters the core at 30 dca, but is abruptly cut off by a narrow carbonate vein at 5 dca, so that the cobaltite occurs only on the side of the core, with maybe 8 mm maximum thickness. This is a good cobaltite slug, hit the grade will be down due to the cut off.	E6561181	259.27	259.67	0.40		2570.0		8.0	1190	101	277	125	77	12800	2.93	11	234

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
259.50	272.00	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6561182	259.67	260.30	0.63		48.9		1.0	56	74	92	36	57	117	0.26	11	7
				As above. Only minor pyrrhotite and pyrite in the selvages.	E6561183	260.30	261.00	0.70		49.1		1.0	6	84	66	14	59	72	0.17	11	7
					E6561184	261.00	262.00	1.00		50.1		<1.0	1	80	33	8	55	29	0.24	11	6
				263.77-264.40: Driller's block at top of interval: "Block", then redrilled core.	E6561185	262.00	263.00	1.00		43.6		<1.0	0	131	82	7	66	<5	0.25	11	6
				272.00: EOH	E6561187	263.00	264.00	1.00		56.2		<1.0	0	93	96	6	65	<5	0.42	11	7
					E6561188	264.00	265.00	1.00		62.8		<1.0	0	95	86	5	67	8	0.41	11	8
					E6561189	265.00	266.00	1.00		51.0		<1.0	0	81	64	5	68	<5	0.23	11	6
					E6561190	266.00	267.00	1.00		53.5		<1.0	0	90	67	6	68	<5	0.25	11	7
					E6561191	267.00	268.00	1.00		55.5		<1.0	0	88	73	6	67	<5	0.26	11	7
					E6561193	268.00	269.00	1.00		49.0		<1.0	0	95	56	6	62	<5	0.19	11	6
					E6561194	269.00	270.00	1.00		60.1		<1.0	0	88	121	8	81	<5	0.38	11	8
					E6561195	270.00	271.00	1.00		65.7		<1.0	0	111	118	6	83	<5	0.33	11	8
					E6561196	271.00	272.00	1.00		61.5		<1.0	0	92	124	6	99	<5	0.28	11	8
272.00	EOH			End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	2.98					
5.00	8.00		2.95					
8.00	11.00		3.02					
11.00	14.00		3.03					
14.00	17.00		2.98					
17.00	20.00		3.01					
20.00	23.00		2.98					
23.00	26.00		2.98					
26.00	29.00		3.04					
29.00	32.00		2.85					
32.00	35.00		3.10					
35.00	38.00		2.92					
38.00	41.00		3.08					
41.00	44.00		2.92					
44.00	47.00		3.05					
47.00	50.00		2.94					
50.00	53.00		3.04					
53.00	56.00		3.04					
56.00	59.00		2.85					
59.00	62.00		3.13					
62.00	65.00		2.96					
65.00	68.00		3.06					
68.00	71.00		2.87					
71.00	74.00		3.06					
74.00	77.00		2.80					
77.00	80.00		2.97					
80.00	83.00		3.00					
83.00	86.00		3.05					
86.00	89.00		2.97					
89.00	92.00		3.05					
92.00	95.00		2.97					
95.00	98.00		2.98					
98.00	101.00		2.98					
101.00	104.00		2.94					
104.00	107.00		3.08					
107.00	110.00		2.98					
110.00	113.00		2.95					
113.00	116.00		3.01					
116.00	119.00		3.05					
119.00	122.00		2.98					
122.00	125.00		2.98					
125.00	128.00		3.05					
128.00	131.00		2.92					

131.00	134.00	3.06
134.00	137.00	3.02
137.00	140.00	2.96
140.00	143.00	3.01
143.00	146.00	3.00
146.00	149.00	3.06
149.00	152.00	3.01
152.00	155.00	2.81
155.00	158.00	2.85
158.00	161.00	3.04
161.00	164.00	2.93
164.00	167.00	3.10
167.00	170.00	2.94
170.00	173.00	2.97
173.00	176.00	2.95
176.00	179.00	3.08
179.00	182.00	2.97
182.00	185.00	3.03
185.00	188.00	3.01
188.00	191.00	3.06
191.00	194.00	2.99
194.00	197.00	2.99
197.00	200.00	2.91
200.00	203.00	2.90
203.00	206.00	2.88
206.00	209.00	3.28
209.00	212.00	3.05
212.00	215.00	2.90
215.00	218.00	3.05
218.00	221.00	3.00
221.00	224.00	3.03
224.00	227.00	2.99
227.00	230.00	3.01
230.00	233.00	2.87
233.00	236.00	2.88
236.00	239.00	2.99
239.00	242.00	2.99
242.00	245.00	2.98
245.00	248.00	3.09
248.00	251.00	3.00
251.00	254.00	3.01
254.00	257.00	2.99
257.00	260.00	2.85
260.00	263.00	3.02
263.00	266.00	2.76
266.00	269.00	3.02
269.00	272.00	3.04

EOH

Cobalt North Project

Drill Log FCC-18-0043

COLLAR INFORMATION

Easting:	613,088.89 m	Azimuth:	271.60°
Northing:	5,227,810.79 m	Dip:	-49.90°
Elevation:	344.78 m	Length:	251.00 m
Target:			
Comments:			

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	271.6°	271.6°	-49.9°	Collar
14.00	284.1°	271.6°	-49.2°	EZ-Trac
50.00	284.1°	271.6°	-48.9°	EZ-Trac
101.00	285.0°	272.5°	-48.6°	EZ-Trac
152.00	278.5° X	273.4°	-48.4°	EZ-Trac
200.00	286.8°	274.3°	-47.6°	EZ-Trac
251.00	288.1°	275.6°	-47.4°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Drilling	0.0	251.0	Laframboise Drilling	2018-Apr-17	Apr-19	
Geotech - Basic	2.0	128.0	Dave Lamontagne	2018-Apr-22	Apr-24	
Geotech - Basic	128.0	251.0	Mayank Patel	2018-Apr-25	Apr-25	
Geotech + Orient	0.0	251.0	Mayank Patel	2018-Apr-22	Apr-25	
Geotech + Orient	2.0	128.0	Dave Lamontagne	2018-Apr-22	Apr-24	
Geotech + Orient	128.0	251.0	Mayank Patel	2018-Apr-25	Apr-25	
Core Logging	0.0	251.0	Matt Halliday	2018-May-07	May-12	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	2.00	OVB	OVB	Overburden
				mixed felsic rubble

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
2.00	54.29	VMP	VMP	Mafic Volcanic - Pillowed Flow dark green mafic pillow volcanics, with localized bleaching with probably a combination of a weak sil-alb alteration and weak epi alteration. There is very little veining, what is present could be fracture fill or related. Ther is some very thin fracture foliation and some thin parallel fracture veinlets. Minor po and cpy present, 10:1 po:cpy with cpy zonation or intergrown with the po. This mineralization is associated with fracturing, typically at high angle tca. The same type of mineralization is associated with pillow selvages, the latter is more prevalent after 20m.	E6563601	2.00	3.00	1.00		48.3		<1.0	0	104	65	<5	70	6	0.18	2	6
					E6563602	3.00	4.00	1.00		56.4		<1.0	0	87	194	14	99	<5	0.28	2	8
					E6563603	4.00	5.00	1.00		56.6		<1.0	0	105	234	<5	71	<5	0.21	2	8
					E6563604	5.00	6.00	1.00		82.2		<1.0	0	119	128	8	107	<5	0.51	2	10
					E6563605	6.00	7.00	1.00		58.5		<1.0	0	102	123	6	82	<5	0.21	2	8
					E6563607	7.00	8.00	1.00		69.8		1.0	1	98	232	9	114	7	0.56	2	10
					E6563608	8.00	9.00	1.00		47.8		<1.0	0	85	174	10	78	<5	0.45	2	7
					E6563609	9.00	10.00	1.00		53.6		<1.0	0	87	121	11	91	5	0.21	2	7
					E6563610	10.00	11.00	1.00		47.7		<1.0	0	89	109	6	105	<5	0.10	2	7
					E6563611	11.00	12.00	1.00		48.6		<1.0	0	82	72	9	79	<5	0.31	2	6
					E6563613	12.00	13.00	1.00		46.9		<1.0	0	83	33	7	59	<5	0.21	2	6
					E6563614	13.00	14.00	1.00		55.2		<1.0	0	94	158	7	65	9	0.26	2	7
					E6563615	14.00	15.00	1.00		51.6		<1.0	0	86	65	<5	88	<5	0.08	2	6
					E6563616	15.00	16.00	1.00		60.8		<1.0	0	97	118	<5	88	<5	0.19	2	8
					E6563617	16.00	17.00	1.00		54.6		<1.0	0	81	111	<5	92	<5	0.24	2	7
					E6563619	17.00	18.00	1.00		47.5		<1.0	0	89	46	<5	76	<5	0.07	2	6
					E6563620	18.00	19.00	1.00		55.2		<1.0	0	107	102	6	94	<5	0.16	2	7
					E6563621	19.00	20.00	1.00		52.8		<1.0	0	105	106	<5	85	<5	0.22	2	7
					E6563622	20.00	21.00	1.00		56.9		<1.0	0	93	117	<5	94	<5	0.16	2	7
					E6563623	21.00	22.00	1.00		52.6		<1.0	0	90	88	<5	98	<5	0.16	2	7
					E6563624	22.00	23.00	1.00		49.4		<1.0	0	82	84	16	83	<5	0.18	2	6
					E6563625	23.00	24.00	1.00		52.0		<1.0	0	75	92	7	83	<5	0.29	2	7
					E6563627	24.00	25.00	1.00		51.4		<1.0	0	75	157	11	68	<5	0.26	2	7
					E6563628	25.00	26.00	1.00		55.8		1.0	0	85	135	18	99	<5	0.24	2	8
					E6563629	26.00	27.00	1.00		55.5		1.0	0	92	116	16	93	<5	0.25	2	8
					E6563630	27.00	28.00	1.00		47.5		<1.0	0	87	83	26	71	<5	0.07	2	6
					E6563631	28.00	29.00	1.00		50.7		<1.0	0	85	128	<5	83	<5	0.19	2	7
					E6563633	29.00	30.00	1.00		64.0		<1.0	0	106	182	14	63	<5	0.42	2	9
					E6563634	30.00	31.00	1.00		54.7		1.0	0	87	84	5	48	<5	0.28	2	7
					E6563635	31.00	32.00	1.00		67.4		<1.0	1	76	319	24	43	<5	0.90	2	9
					E6563636	32.00	33.00	1.00		49.5		<1.0	0	83	149	9	62	<5	0.26	2	7
					E6563637	33.00	34.00	1.00		58.8		1.0	0	106	204	29	243	<5	0.26	2	9
					E6563639	34.00	35.00	1.00		43.9		<1.0	0	75	63	10	81	<5	0.06	2	6
					E6563640	35.00	36.00	1.00		44.8		<1.0	0	78	115	17	83	<5	0.17	2	6
					E6563641	36.00	37.00	1.00		44.0		<1.0	0	74	58	8	110	<5	0.05	2	6
					E6563642	37.00	38.00	1.00		58.0		<1.0	0	88	176	59	148	<5	0.32	2	8
					E6563643	38.00	39.00	1.00		39.9		<1.0	0	64	89	6	91	<5	0.15	2	5
					E6563644	39.00	40.00	1.00												45	
					E6563646	39.00	40.00	1.00		48.9		<1.0	0	86	70	6	96	<5	0.12		6
					E6563645	40.00	41.00	1.00		59.6		<1.0	0	101	96	9	78	<5	0.28	45	8
					E6563647	41.00	42.00	1.00		61.5		<1.0	0	102	138	7	88	<5	0.27	45	8
					E6563648	42.00	43.00	1.00		50.4		<1.0	0	94	99	<5	83	<5	0.18	45	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
					E6563649	43.00	44.00	1.00		53.4		<1.0	0	93	94	<5	89	<5	0.15	45	7
					E6563650	44.00	45.00	1.00		57.7		<1.0	0	91	103	10	84	<5	0.23	45	7
					E6563651	45.00	46.00	1.00		49.0		<1.0	0	97	56	8	115	<5	0.10	45	6
					E6563653	46.00	47.00	1.00		64.9		<1.0	0	97	181	6	82	<5	0.46	45	9
					E6563654	47.00	48.00	1.00		53.4		<1.0	0	92	121	9	89	<5	0.17	45	7
					E6563655	48.00	49.00	1.00		56.7		<1.0	0	86	88	8	70	<5	0.17	45	7
					E6563656	49.00	50.00	1.00		46.5		<1.0	0	86	89	7	87	<5	0.15	45	6
					E6563657	50.00	51.00	1.00		59.6		<1.0	0	345	154	18	133	<5	0.21	45	12
					E6563659	51.00	52.00	1.00		58.1		<1.0	0	470	127	6	101	<5	0.19	45	13
					E6563660	52.00	53.00	1.00		51.4		<1.0	0	391	82	9	90	<5	0.13	100	11
					E6563661	53.00	54.00	1.00		55.4		<1.0	0	343	68	6	83	<5	0.13	100	10
					E6563662	54.00	54.30	0.30		55.3		<1.0	0	191	158	40	142	<5	0.30	100	9
54.29	54.71	SHRZ	SHRZ	Shear Zone Shear zone, strongly sheared with a thin cm scale healed fault, filled with chlorite gouge material (hardened). There are two sets of slicks on the fault surface, one is very faint compared to the other.	E6563663	54.30	54.75	0.45		56.5		<1.0	0	127	343	534	1020	<5	1.12	100	13

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
54.71	101.22	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6563664	54.75	55.50	0.75		43.9		<1.0	0	154	88	10	84	<5	0.15	100	7
				continuation of the previous vmp, similar alteration, no real veining, the occasional thin carb stringer, and healed fractures with sulphides (po dominant). Sulphide content seems to be diminishing downhole.	E6563665	55.50	56.00	0.50		56.6		<1.0	0	293	115	<5	102	8	0.20	100	10
					E6563667	56.00	57.00	1.00		49.3		<1.0	0	217	107	8	102	<5	0.13	100	8
				colour grey with a mottled tan alteration	E6563668	57.00	58.00	1.00		59.9		<1.0	0	204	145	15	100	<5	0.26	135	9
					E6563669	58.00	59.00	1.00		42.8		<1.0	0	369	79	38	109	5	0.11	135	10
				minor rubbly zone @ 92.67 possibly shear related, some slicks on the fracture surface	E6563670	59.00	60.00	1.00		42.8		<1.0	0	272	104	29	186	6	0.12	135	9
					E6563671	60.00	61.00	1.00		38.8		<1.0	0	180	37	17	68	<5	0.07	135	6
					E6563673	61.00	62.00	1.00		46.7		<1.0	0	120	85	11	82	<5	0.16	135	7
					E6563674	62.00	63.00	1.00		62.0		<1.0	0	155	214	7	83	<5	0.36	135	9
					E6563675	63.00	64.00	1.00		60.4		<1.0	0	181	101	<5	83	<5	0.25	135	9
					E6563676	64.00	65.00	1.00		55.1		<1.0	0	252	80	7	97	<5	0.12	135	9
					E6563677	65.00	66.00	1.00		52.6		<1.0	0	157	102	8	85	<5	0.22	135	8
					E6563679	66.00	67.00	1.00		55.9		1.0	0	624	100	6	89	<5	0.15	135	15
					E6563680	67.00	68.00	1.00		66.9		<1.0	0	750	96	8	83	9	0.17	135	17
					E6563681	68.00	69.00	1.00		50.7		<1.0	0	177	99	10	74	<5	0.14	113	8
					E6563682	69.00	70.00	1.00		67.2		<1.0	0	111	117	7	84	14	0.25	113	9
					E6563683	70.00	71.00	1.00		51.6		<1.0	0	109	83	8	74	<5	0.16	113	7
					E6563684	71.00	72.00	1.00		55.6		<1.0	0	104	82	9	76	<5	0.16	113	7
					E6563685	72.00	73.00	1.00		38.6		<1.0	0	81	41	140	382	7	0.18	113	6
					E6563687	73.00	74.00	1.00		49.8		<1.0	0	130	55	89	109	<5	0.04	113	7
					E6563688	74.00	75.00	1.00		61.4		<1.0	0	189	52	9	133	10	0.07	113	9
					E6563689	75.00	76.00	1.00		54.9		<1.0	0	129	98	14	91	<5	0.09	113	8
					E6563690	76.00	77.00	1.00		57.3		<1.0	0	144	65	44	82	<5	0.10	113	8
					E6563691	77.00	78.00	1.00		54.7		<1.0	0	122	101	11	83	<5	0.10	113	7
					E6563693	78.00	79.00	1.00		55.6		<1.0	0	106	85	18	75	6	0.20	113	7
					E6563694	79.00	80.00	1.00		48.6		<1.0	0	95	103	7	76	<5	0.10	113	7
					E6563695	80.00	81.00	1.00		49.8		<1.0	0	113	79	15	108	6	0.11	113	7
					E6563696	81.00	82.00	1.00		41.9		<1.0	0	100	40	48	70	5	0.16	113	6
					E6563697	82.00	83.00	1.00		48.6		<1.0	0	91	47	30	89	7	0.05	113	6
					E6563699	83.00	84.00	1.00		33.6		<1.0	0	50	71	366	419	5	0.05	113	6
					E6563700	84.00	85.00	1.00		37.6		<1.0	0	79	18	16	82	9	0.05	113	5
					E6563701	85.00	86.00	1.00		97.3		<1.0	1	88	371	107	79	50	0.95	99	13
					E6563702	86.00	87.00	1.00	50016	43.2	31439	4.0	1	50	57	47	149	148	0.25	19666	7
					E6563703	87.00	88.00	1.00		33.6		<1.0	0	52	72	10	78	21	0.16	87	4
					E6563704	88.00	89.00	1.00		52.1		<1.0	0	83	46	10	87	6	0.17	87	6
					E6563705	89.00	90.00	1.00		57.0		<1.0	0	91	84	10	70	<5	0.34	87	7
					E6563707	90.00	91.00	1.00		62.0		<1.0	0	85	143	5	79	<5	0.27	87	8
					E6563708	91.00	92.00	1.00		59.4		<1.0	0	91	166	<5	99	<5	0.17	87	8
					E6563709	92.00	92.50	0.50		63.3		<1.0	0	102	168	<5	84	<5	0.40	87	8
					E6563710	92.50	93.00	0.50		66.0		<1.0	0	94	864	34	61	<5	0.38	87	13
					E6563711	93.00	94.00	1.00		60.6		<1.0	0	104	106	<5	78	<5	0.15	87	8
					E6563713	94.00	95.00	1.00		58.6		<1.0	0	105	151	<5	79	<5	0.14	57	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
					E6563714	95.00	96.00	1.00		55.7		<1.0	0	94	109	<5	69	<5	0.22	57	7
					E6563715	96.00	97.00	1.00		38.9		<1.0	0	68	85	20	89	<5	0.10	57	5
					E6563716	97.00	98.00	1.00		50.2		<1.0	0	89	101	<5	103	<5	0.07	57	7
					E6563717	98.00	99.00	1.00		68.7		<1.0	0	99	171	<5	94	<5	0.36	57	9
					E6563719	99.00	100.00	1.00		57.6		<1.0	0	96	108	<5	86	<5	0.09	57	7
					E6563720	100.00	100.50	0.50		63.1		<1.0	0	107	140	<5	93	<5	0.16	57	8
					E6563721	100.50	101.22	0.72		66.5		<1.0	0	109	141	<5	99	<5	0.34	57	9
101.22	102.08	II	II	Intermediate Intrusive very homogenous fine grained intrusive, light-medium grey, no features of merit	E6563722	101.22	102.08	0.86		45.7		<1.0	0	202	78	9	112	<5	0.11	57	8
102.08	119.92	VMP	VMP	Mafic Volcanic - Pillowed Flow same as last unit,	E6563723	102.08	103.00	0.92		64.8		<1.0	0	110	152	<5	93	<5	0.31	57	9
					E6563724	103.00	104.00	1.00		91.1		<1.0	0	110	131	<5	92	<5	0.61	57	11
					E6563725	104.00	105.00	1.00		46.1		<1.0	0	85	48	10	94	<5	0.12	57	6
					E6563727	105.00	106.00	1.00		57.4		<1.0	0	113	75	7	87	<5	0.11	57	7
					E6563728	106.00	107.00	1.00		66.4		<1.0	0	108	87	<5	93	<5	0.27	57	8
					E6563729	107.00	108.00	1.00		59.0		<1.0	0	107	82	5	93	<5	0.13	35	8
					E6563730	108.00	109.00	1.00		61.3		<1.0	0	122	101	17	152	<5	0.20	2	8
					E6563731	109.00	110.00	1.00		60.5		<1.0	0	120	103	15	103	<5	0.14	59	8
					E6563733	110.00	111.00	1.00		57.0		<1.0	0	98	110	7	89	8	0.25	70	7
					E6563734	111.00	112.00	1.00		56.2		<1.0	0	124	71	11	92	<5	0.13	70	7
					E6563735	112.00	113.00	1.00		56.7		<1.0	0	123	96	5	90	5	0.15	70	8
					E6563736	113.00	114.00	1.00		64.3		<1.0	0	103	151	<5	88	<5	0.39	70	8
					E6563737	114.00	115.00	1.00		65.4		<1.0	0	100	154	<5	75	<5	0.44	70	8
					E6563739	115.00	116.00	1.00		64.4		<1.0	0	112	133	<5	88	<5	0.38	70	8
					E6563740	116.00	117.00	1.00		56.0		<1.0	0	95	100	<5	64	6	0.23	70	7
					E6563741	117.00	118.00	1.00		43.9		<1.0	0	80	67	6	71	<5	0.06	70	6
					E6563742	118.00	119.00	1.00		50.9		<1.0	0	81	124	7	65	<5	0.15	70	7
					E6563743	119.00	119.92	0.92		170.0		1.0	0	182	83	156	165	60	1.59	70	19
119.92	121.50	II	II	Intermediate Intrusive light to medium grey fine grained massive dyke, that is moderately chloritized, the rock is less than hardness 6. There is a thin fault from 2- 8cm (irregular in shape) that is potentially folded, the lower contact looks folded, but the upper not so much. There is moderate amount of fractures, some of which show slicks, there is no orientation, and the slicks are not obvious on the best fracture planes. There doesn't appear to be any noticeable mineralization. The dyke is between ii and mi.	E6563744	119.92	120.50	0.58		38.1		<1.0	0	227	14	51	109	9	0.04	70	7
					E6563745	120.50	120.80	0.30		41.1		<1.0	0	263	15	<5	63	14	0.13	70	8
					E6563747	120.80	121.50	0.70		38.2		<1.0	0	225	22	26	63	8	0.02	70	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
121.50	132.60	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6563748	121.50	122.00	0.50		53.0		<1.0	1	97	401	224	999	14	0.42	70	12
			same as above		E6563749	122.00	123.00	1.00		56.8		<1.0	0	111	87	<5	79	<5	0.13	70	7
					E6563750	123.00	124.00	1.00		46.7		<1.0	0	86	63	13	62	6	0.16	70	6
					E6563751	124.00	125.00	1.00		55.0		<1.0	0	98	73	<5	82	<5	0.11	70	7
					E6563752	125.00	126.00	1.00		37.1		<1.0	0	72	69	24	103	13	0.12	70	5
					E6563753	126.00	127.00	1.00		51.5		<1.0	0	101	195	26	154	7	0.24	70	8
					E6563754	127.00	128.00	1.00		49.0		<1.0	0	88	109	17	140	<5	0.10	70	7
					E6563755	128.00	129.00	1.00		49.7		<1.0	0	91	74	19	105	<5	0.09	70	7
					E6563756	129.00	130.00	1.00		52.5		<1.0	0	93	100	21	127	20	0.19	70	7
					E6563757	130.00	131.00	1.00		48.7		<1.0	0	89	109	7	100	12	0.15	70	7
					E6563758	131.00	132.00	1.00		62.7		<1.0	1	110	419	20	67	6	1.15	70	10
					E6563759	132.00	132.60	0.60		50.2		<1.0	1	120	150	22	178	6	0.62	70	8
132.60	134.30	IM	IM	Mafic Intrusive (non-Nipissing)	E6563760	132.60	133.50	0.90		53.4		<1.0	0	233	68	17	125	<5	0.40	70	9
				dark grey (maybe slightly green) massive fine grained dyke. Minor disseminated patched of py and py-po.	E6563761	133.50	134.30	0.80		45.2		<1.0	0	246	37	17	136	6	0.44	70	8
134.30	152.38	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6563762	134.30	135.00	0.70		61.4		<1.0	0	150	160	20	82	7	0.72	70	9
			same as above		E6563763	135.00	136.00	1.00		63.9		1.0	0	105	127	<5	79	<5	0.68	70	9
					E6563764	136.00	137.00	1.00		48.5		<1.0	0	75	74	<5	88	<5	0.35	70	6
				a more regular shear foliation develops at 143m and is continues to be well developed to 152.38. At the same time the sulphide content increases, 10-15 % po-py, disseminated and aligned with the foliation. Mixed grainsize from fine to medium grained.	E6563765	137.00	138.00	1.00		47.7		<1.0	0	72	70	14	72	<5	0.30	70	6
					E6563767	138.00	139.00	1.00		37.5		<1.0	0	62	64	<5	60	<5	0.34	70	5
					E6563768	139.00	140.00	1.00		70.6		<1.0	0	92	290	<5	100	<5	1.31	70	10
					E6563769	140.00	141.00	1.00		88.2		<1.0	0	103	202	<5	104	<5	1.20	70	11
					E6563770	141.00	142.00	1.00		49.2		<1.0	0	92	79	<5	80	<5	0.36	70	6
					E6563771	142.00	143.00	1.00		36.3		<1.0	0	77	38	<5	79	<5	0.11	70	5
					E6563773	143.00	144.00	1.00		56.7		<1.0	0	90	160	17	96	<5	0.79	70	8
					E6563774	144.00	145.00	1.00		50.7		<1.0	0	85	108	<5	72	<5	0.57	70	7
					E6563775	145.00	146.00	1.00		68.0		<1.0	0	100	345	6	83	<5	1.69	70	10
					E6563776	146.00	147.00	1.00		48.4		<1.0	0	88	137	6	78	<5	0.49	91	7
					E6563777	147.00	148.00	1.00		42.7		<1.0	0	99	65	<5	85	<5	0.27	95	6
					E6563779	148.00	149.00	1.00		72.5		<1.0	1	113	425	6	79	<5	1.98	95	11
					E6563780	149.00	150.00	1.00		74.0		<1.0	0	121	510	<5	72	<5	2.44	95	12
					E6563781	150.00	151.00	1.00		82.0		<1.0	0	123	512	6	84	<5	2.60	95	13
					E6563782	151.00	152.00	1.00		57.3		1.0	0	119	314	<5	89	<5	1.21	82	10
					E6563783	152.00	152.38	0.38		57.6		<1.0	0	126	123	5	53	9	0.47	70	8
152.38	153.91	IMLAM	LMP	Lamprophyre	E6563784	152.38	152.85	0.47		42.0		<1.0	0	565	32	27	160	49	0.05	70	12
				light grey green lamp, looks weathered, serpentinized (has some soapy feel on joints) and some serpentine near the vein. there are weathered joints, and thin fractures with weathered surfaces, one pink carb vein with sphalerite and trace py/cpy. There are slicks on the joint surfaces.	E6563785	152.85	153.25	0.40		73.5		<1.0	2	537	131	296	4920	271	0.29	70	31
					E6563787	153.25	153.91	0.66		48.3		<1.0	0	472	87	20	591	59	0.14	70	13

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
153.91	165.16	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6563788	153.91	155.00	1.09		71.3		<1.0	0	136	445	12	100	9	1.94	70	11
				same as above.	E6563789	155.00	156.00	1.00		76.4		<1.0	0	129	443	<5	91	<5	2.09	70	12
					E6563790	156.00	157.00	1.00		69.2		<1.0	0	106	306	<5	117	<5	1.34	70	10
				The strong foliation and mineralization dies down at 156.5, then is looks more like the pillow basalts described above. Ther are two small 30 cm bands that have more intense bleaching, the microfractures look more weathered in the bands.	E6563791	157.00	158.00	1.00		61.0		<1.0	0	104	96	<5	90	<5	0.75	70	8
					E6563793	158.00	159.00	1.00		48.5		<1.0	1	109	84	7	67	8	0.31	70	7
					E6563794	159.00	160.00	1.00		46.3		<1.0	0	113	29	<5	77	<5	0.10	70	6
					E6563795	160.00	161.00	1.00		50.1		<1.0	0	107	78	5	73	<5	0.28	70	7
					E6563796	161.00	162.00	1.00		43.6		<1.0	0	101	24	<5	69	<5	0.07	70	6
					E6563797	162.00	163.00	1.00		37.4		<1.0	0	109	43	6	51	<5	0.21	70	5
					E6563799	163.00	164.00	1.00		47.0		<1.0	0	121	39	<5	77	<5	0.23	70	6
					E6563800	164.00	165.00	1.00		53.1		<1.0	0	127	41	7	84	<5	0.28	70	7
165.16	165.50	VM	VM	Mafic Volcanic	E6563801	165.00	165.50	0.50		46.0		<1.0	0	238	56	22	88	<5	0.30	70	8
				small dark grey dyke massive, fine-aphanitic with some medium grained crystal growth.																	
165.50	186.09	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6563802	165.50	166.00	0.50		78.4		<1.0	0	135	108	17	88	<5	0.75	70	10
				same as last,	E6563803	166.00	167.00	1.00		52.6		<1.0	0	118	43	9	75	<5	0.22	44	7
					E6563804	167.00	168.00	1.00		71.6		<1.0	0	117	222	<5	79	<5	0.74	44	10
					E6563805	168.00	169.00	1.00		55.1		<1.0	0	123	76	<5	82	<5	0.42	44	7
					E6563807	169.00	170.00	1.00		54.4		<1.0	1	108	83	<5	81	<5	0.42	44	7
					E6563808	170.00	171.00	1.00		56.9		<1.0	0	97	134	7	63	<5	0.52	44	7
					E6563809	171.00	172.00	1.00		45.6		<1.0	0	93	60	7	106	<5	0.27	44	6
					E6563810	172.00	173.00	1.00		73.8		<1.0	0	116	449	<5	88	<5	1.07	44	11
					E6563811	173.00	174.00	1.00		47.8		<1.0	0	97	98	<5	77	<5	0.32	44	6
					E6563813	174.00	175.00	1.00		45.8		<1.0	0	94	58	12	76	<5	0.33	44	6
					E6563814	175.00	176.00	1.00		49.2		<1.0	0	89	114	10	60	<5	0.66	6	7
					E6563815	176.00	177.00	1.00		44.6		<1.0	0	112	26	<5	81	<5	0.09	6	6
					E6563816	177.00	178.00	1.00		56.2		<1.0	0	162	62	8	80	<5	0.23	6	8
					E6563817	178.00	179.00	1.00		62.6		<1.0	0	156	167	9	107	<5	0.68	6	9
					E6563819	179.00	180.00	1.00		78.8		<1.0	0	154	268	8	87	<5	1.03	6	11
					E6563820	180.00	181.00	1.00		46.9		<1.0	0	118	87	18	111	<5	0.15	6	7
					E6563821	181.00	182.00	1.00		57.9		<1.0	0	153	578	14	79	<5	0.38	6	11
					E6563822	182.00	183.00	1.00		60.4		<1.0	0	110	151	13	158	<5	0.32	6	8
					E6563823	183.00	184.00	1.00		45.0		<1.0	0	96	53	5	84	<5	0.07	6	6
					E6563824	184.00	185.00	1.00		56.8		<1.0	0	125	33	<5	81	<5	0.04	6	7
					E6563825	185.00	186.09	1.09		43.5		<1.0	0	104	31	10	65	<5	0.04	6	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
186.09	194.16	IM	IM	Mafic Intrusive (non-Nipissing) Med-grained med gray intrusive with bands of alb/epi altn (same alteration as vmp), poss syn-volcanic. Minor vmp. Only trace sulphides.	E6563827	186.09	187.00	0.91		72.3		<1.0	0	174	185	42	202	<5	0.41	6	11
					E6563828	187.00	188.00	1.00		66.2		<1.0	0	166	121	11	80	<5	0.28	6	9
					E6563829	188.00	189.00	1.00		46.8		<1.0	0	104	44	6	80	<5	0.07	6	6
					E6563830	189.00	190.00	1.00		38.6		<1.0	0	96	25	7	70	<5	<0.01	6	5
					E6563831	190.00	191.00	1.00		57.8		<1.0	0	132	110	<5	74	<5	0.37	6	8
					E6563833	191.00	192.00	1.00		58.9		<1.0	0	122	161	<5	77	<5	0.44	6	8
					E6563834	192.00	193.00	1.00		55.5		<1.0	0	124	103	5	77	<5	0.28	6	8
					E6563835	193.00	193.50	0.50		48.4		<1.0	0	95	116	6	80	<5	0.30	6	7
					E6563836	193.50	194.16	0.66		46.1		<1.0	0	81	123	8	81	<5	0.25	6	6
194.16	201.91	BXZ	BXZ	Breccia Zone similar vmp, but it looks brecciated, there is some minor bt alteration with epi. Lots of different directions and structures being terminated, but it is all the vmp. Some sulphides (mostly po)	E6563837	194.16	195.00	0.84		63.5		<1.0	0	84	173	10	108	<5	0.46	6	8
					E6563839	195.00	196.00	1.00		48.5		<1.0	1	77	156	10	85	<5	0.38	6	7
					E6563840	196.00	197.00	1.00		52.0		<1.0	0	91	169	<5	70	<5	0.62	6	7
					E6563841	197.00	198.00	1.00		59.4		<1.0	0	107	122	7	71	<5	0.78	6	8
					E6563842	198.00	199.00	1.00		73.4		<1.0	1	105	148	6	70	<5	1.15	6	9
					E6563843	199.00	200.00	1.00		64.7		<1.0	0	116	130	9	81	<5	0.92	6	8
					E6563844	200.00	201.00	1.00		63.7		<1.0	0	117	153	10	86	<5	0.94	6	9
					E6563845	201.00	201.91	0.91		62.3		<1.0	0	108	129	11	83	<5	0.67	6	8
201.91	202.15	IMD	IMD	Mafic Dyke gray massive fine grained with sharp contacts.	E6563847	201.91	202.50	0.59		55.4		<1.0	1	113	159	47	443	<5	0.55	6	9
202.15	207.12	BXZ	BXZ	Breccia Zone vmp, mild brecciation same as above	E6563848	202.50	203.00	0.50		66.5		<1.0	1	107	224	30	194	6	0.84	6	10
					E6563849	203.00	204.00	1.00		66.0		<1.0	1	104	161	29	160	<5	0.82	6	9
					E6563850	204.00	205.00	1.00		63.5		<1.0	0	105	120	5	76	<5	0.76	10	8
					E6563851	205.00	206.00	1.00		67.4		<1.0	0	122	168	9	70	<5	1.01	11	9
					E6563853	206.00	206.50	0.50		58.8		<1.0	0	123	199	7	107	<5	0.44	11	9
					E6563854	206.50	207.12	0.62		58.9		<1.0	0	108	204	7	78	<5	0.50	11	8
207.12	207.90	IM	IM	Mafic Intrusive (non-Nipissing) fine grained, grey, massive, mafic intrusion, no features.	E6563855	207.12	207.90	0.78		36.3		<1.0	0	94	82	40	154	<5	0.04	11	6
207.90	208.69	BXZ	BXZ	Breccia Zone vmp, altered, brecciated? Type of brecciation? Brecciated vmp in vmp, no dominant shear direction or banding of the alteration.																	
208.69	208.83	IMD	IMD	Mafic Dyke fine grained, grey, massive, mafic intrusion, sharp contacts, no features.	E6563856	207.90	209.00	1.10		52.6		<1.0	1	83	236	10	82	5	0.63	11	8
208.83	209.93	BXZ	BXZ	Breccia Zone vmp, same as above.	E6563857	209.00	209.93	0.93		60.6		<1.0	1	92	158	15	74	<5	1.02	11	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
209.93	210.13	IMD	IMD	Mafic Dyke fine grained, grey, massive, mafic intrusion, sharp contacts, no features.	E6563859	209.93	210.50	0.57		51.8		<1.0	0	92	136	7	79	<5	0.47	11	7	
210.13	211.34	BXZ	BXZ	Breccia Zone vmp, same as above	E6563860	210.50	211.34	0.84		53.8		<1.0	0	95	121	8	102	<5	0.49	11	7	
211.34	211.82	IMD	IMD	Mafic Dyke fine grained, grey, massive, mafic intrusion, sharp contacts, no features.																		
211.82	212.03	BXZ	BXZ	Breccia Zone vmp, same as above																		
212.03	212.18	IMD	IMD	Mafic Dyke two small dykes	E6563861	211.34	212.18	0.84		51.6		<1.0	0	105	92	7	98	<5	0.23	11	7	
212.18	220.95	BXZ	BXZ	Breccia Zone vmp, same as above, increased sulphides including sphalerite with localized bleaching and epidotization.	E6563862	212.18	213.00	0.82		57.6		<1.0	0	90	148	6	71	<5	0.54	11	8	
					E6563863	213.00	214.00	1.00		54.1		<1.0	0	90	154	5	79	<5	0.59	11	7	
					E6563864	214.00	215.00	1.00		54.1		<1.0	0	86	106	<5	69	<5	0.70	11	7	
					E6563865	215.00	216.00	1.00		59.1		<1.0	0	91	136	6	67	<5	0.72	11	8	
					E6563867	216.00	217.00	1.00		60.8		<1.0	1	89	190	6	76	<5	0.58	11	8	
					E6563868	217.00	218.00	1.00		52.9		<1.0	1	86	153	<5	61	<5	0.64	11	7	
					E6563869	218.00	219.00	1.00		58.9		<1.0	1	86	158	<5	60	<5	0.81	11	8	
					E6563870	219.00	220.00	1.00		62.5		<1.0	1	85	127	5	55	7	0.92	11	8	
					E6563871	220.00	220.95	0.95		60.7		<1.0	1	91	152	6	62	8	1.06	11	8	
220.95	226.15	IMLAM	LMP	Lamprophyre medium gray fine grained lamp. There is a mild partial foliation of the biotite. No veining or mineralization.	E6563893	220.95	222.00	1.05		46.1		<1.0	0	381	14	10	126	<5	<0.01	11	10	
					E6563873	222.00	223.00	1.00		49.1		<1.0	0	347	22	16	90	76	<0.01	11	10	
					E6563874	223.00	224.00	1.00		42.1		<1.0	0	338	29	16	93	<5	<0.01	11	9	
					E6563875	224.00	225.00	1.00		49.0		<1.0	0	411	14	34	108	<5	<0.01	11	10	
					E6563876	225.00	226.15	1.15		47.7		<1.0	0	413	14	72	105	<5	<0.01	11	10	
226.15	232.90	BXZ	BXZ	Breccia Zone vmp, same as above, no veins, no major structures.	E6563877	226.15	227.00	0.85		76.1		<1.0	0	105	176	19	61	7	1.18	11	10	
					E6563879	227.00	228.00	1.00		54.2		<1.0	0	88	128	<5	55	<5	1.16	11	7	
					E6563880	228.00	229.00	1.00		60.4		<1.0	0	83	114	<5	50	<5	1.43	11	7	
					E6563881	229.00	230.00	1.00		57.3		<1.0	0	91	246	<5	68	<5	1.10	11	8	
					E6563882	230.00	231.00	1.00		52.9		<1.0	0	90	148	7	67	14	1.25	11	7	
					E6563883	231.00	232.00	1.00		56.6		<1.0	0	86	129	8	64	<5	1.63	11	7	
					E6563884	232.00	232.90	0.90		51.9		<1.0	0	99	185	<5	72	<5	1.05	11	7	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
232.90	237.18	VMVCL	VMVCL	Mafic Volcanic - Volcaniclastic (volcanics > minor interflow seds) sheared or bedded, angular to elongated aligned clasts dark grey fine to aphanitic matrix. Clasts have variable composition, size ranges from sub mm to about 2cm. The mode is probably 2-3mm x 1mm. There is a small mafic dyke 233.76-233.81 and there appears to be a band of felsic porphyry 235.25-235.30.	E6563885	232.90	234.00	1.10		36.1		<1.0	0	105	34	<5	79	<5	0.08	11	5
					E6563887	234.00	235.00	1.00		35.0		<1.0	1	102	24	<5	78	<5	0.02	11	5
					E6563888	235.00	236.00	1.00		35.6		<1.0	1	102	31	6	83	<5	0.06	11	5
					E6563889	236.00	237.18	1.18		34.2		<1.0	0	89	89	26	96	8	0.14	11	5
237.18	242.50	VMP	VMP	Mafic Volcanic - Pillowed Flow vmp, same as above there is a sequence of epi altered bands (25 deg), veins?, that are cross cut and dispaced (60 deg) minor jointing, no major veins. Sulphide is dominantly py not really any po	E6563890	237.18	238.00	0.82		68.5		<1.0	0	91	220	14	85	7	0.70	11	9
					E6563891	238.00	239.00	1.00		68.7		<1.0	0	103	278	10	86	6	0.64	11	10
					E6563894	239.00	240.00	1.00		55.8		<1.0	0	96	201	<5	70	<5	0.29	11	8
					E6563895	240.00	241.00	1.00		57.2		<1.0	0	88	149	6	67	<5	0.62	11	7
					E6563896	241.00	242.00	1.00		45.5		<1.0	0	69	138	23	72	<5	0.37	11	6
					E6563897	242.00	242.50	0.50		45.9		<1.0	0	73	200	38	74	14	0.54	11	7
242.50	242.91	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry medium grained black/pinky cream fragmental porphyry. Very little fragments in this portion, small sub 0.5 cm.	E6563899	242.50	242.91	0.41		37.9		<1.0	0	82	189	294	172	41	0.30	11	7
242.91	247.00	VMP	VMP	Mafic Volcanic - Pillowed Flow epidote altered vmp, with zones of disseminated pyrite in both the selvage and less altered zones. There is some veining to masses of epi/carb (possible quartz) with sphalerite to sphalerite and galena, with trace py and cpy.	E6563900	242.91	243.50	0.59		42.2		<1.0	1	75	252	818	2130	39	0.86	11	15
					E6563901	243.50	244.00	0.50		62.5		<1.0	0	89	158	113	114	31	0.96	11	8
					E6563902	244.00	245.00	1.00		61.8		<1.0	0	95	141	32	83	11	1.31	11	8
					E6563903	245.00	246.00	1.00		62.3		<1.0	0	95	183	16	87	8	1.08	11	8
					E6563904	246.00	247.00	1.00		69.9		<1.0	0	113	205	8	108	15	1.11	11	9
247.00	248.22	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry medium grained black/pinky cream fragmental porphyry. 2-5 fragments in this portion, upto 3 cm. very low angle upper contact with vmp (15 degrees) and lower contact with vmp (10 degrees) there is a mafic intrusive cutting the iffp with contacts (uc 30 irreguar, lc 38) mostly unmineralized - fine grained pyrite at contact with dyke	E6563905	247.00	248.00	1.00		31.6		<1.0	0	82	142	19	80	24	0.24	11	5
248.22	248.76	IMD	IMD	Mafic Dyke dark gray mafic dyke, fine grained, massive, trace disseminated pyrite.	E6563907	248.00	249.00	1.00		41.6		<1.0	0	159	127	16	111	10	0.18	11	7
248.76	250.13	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry same as above iffp	E6563908	249.00	250.13	1.13		35.7		<1.0	0	90	179	20	70	11	0.46	11	6
250.13	251.00	VMP	VMP	Mafic Volcanic - Pillowed Flow vmp till eoh,	E6563909	250.13	251.00	0.87		68.7		<1.0	0	115	246	8	100	12	1.07	11	10
251.00		EOH		End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	3.00					
5.00	8.00		3.01					
8.00	11.00		2.98					
11.00	14.00		2.98					
14.00	17.00		3.06					
17.00	20.00		3.00					
20.00	23.00		3.02					
23.00	26.00		2.95					
26.00	29.00		3.03					
29.00	32.00		3.05					
32.00	35.00		2.90					
35.00	38.00		3.03					
38.00	41.00		3.06					
41.00	44.00		2.99					
44.00	47.00		3.00					
47.00	50.00		3.02					
50.00	53.00		3.01					
53.00	56.00		2.98					
56.00	59.00		3.01					
59.00	62.00		3.00					
62.00	65.00		3.01					
65.00	68.00		2.97					
68.00	71.00		2.94					
71.00	74.00		3.06					
74.00	77.00		2.92					
77.00	80.00		3.12					
80.00	83.00		2.79					
83.00	86.00		3.14					
86.00	89.00		2.99					
89.00	92.00		3.00					
92.00	95.00		2.90					
95.00	98.00		3.07					
98.00	101.00		2.91					
101.00	104.00		3.10					
104.00	107.00		3.04					
107.00	110.00	3.00	2.93					
110.00	113.00		3.08					
113.00	116.00		2.87					
116.00	119.00		3.07					
119.00	122.00		2.98					
122.00	125.00		2.97					
125.00	128.00		2.97					
128.00	131.00		2.93					

131.00	134.00	3.12	
134.00	137.00	2.91	
137.00	140.00	2.96	
140.00	143.00	3.06	
143.00	146.00	2.99	
146.00	149.00	2.97	
149.00	152.00	3.00	
152.00	155.00	2.98	
155.00	158.00	2.98	
158.00	161.00	3.02	
161.00	164.00	2.64	REGULAR TECH
164.00	167.00	3.10	REGULAR TECH
167.00	170.00	3.09	"
170.00	173.00	3.03	"
173.00	176.00	2.90	"
176.00	179.00	2.99	"
179.00	182.00	3.10	"
182.00	185.00	2.97	"
185.00	188.00	3.02	"
188.00	191.00	2.97	"
191.00	194.00	2.92	"
194.00	197.00	3.03	"
197.00	200.00	3.02	"
200.00	203.00	2.98	"
203.00	206.00	3.00	"
206.00	209.00	2.93	"
209.00	212.00	302.00	"
212.00	215.00	3.12	"
215.00	218.00	3.03	"
218.00	221.00	2.96	"
221.00	224.00	2.98	"
224.00	227.00	3.10	"
227.00	230.00	2.97	"
230.00	233.00	3.02	"
233.00	236.00	2.94	OFF CENTRE
236.00	239.00	2.93	HIGH ROC
239.00	242.00	3.10	
242.00	245.00	2.80	REGULAR TECH
245.00	248.00	3.23	REGULAR TECH
248.00	251.00	2.49	EOH

Cobalt North Project

Drill Log FCC-18-0044

COLLAR INFORMATION

Easting: 613,061.22 m
Northing: 5,227,782.80 m
Elevation: 343.32 m
Target: Test Keeley Drift shallow
Azimuth: 265.30°
Dip: -45.00°
Length: 101.00 m

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	265.3°	265.3°	-45.0°	Collar
14.00	277.5°	265.0°	-44.4°	EZ-Trac
50.00	277.1°	264.6°	-44.1°	EZ-Trac
100.00	277.6°	265.1°	-43.7°	EZ-Trac
101.00	277.6° X	265.1°	-43.7° X	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Drilling	0.0	101.0	Laframboise Drilling	2018-Apr-19	Apr-20	
Geotech - Basic	0.0	101.0	Ebison Eldho	2018-Apr-26	Apr-26	
Geotech + Orient	0.0	101.0	Ebison Eldho	2018-Apr-26	Apr-26	
Core Logging	0.0	101.0	Gerhard Kiessling	2018-May-08	May-09	

Comments:

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.40	CAS	CAS	Casing
1.40	12.55	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greenish grey, massive with pillow structures with minor veining, various fractures with some that have bleaching auroles. Patchy weak epidote/bl alt. 1-2% fg-cg po occurring both as mg-cg diss clumps but also as diss fg-mg throughout, tr fg-mg py.
12.55	13.40	FLTZ	FLTZ	Fault Zone Strong fault zone, mod-strong gouge. Fragments varying in size from fg powder, to small 1mm fragments, to 3cm in length. Gouge was clumping together before it was wet. Barren with weak serp/chl within fault.
13.40	17.14	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greenish grey, massive with pillow structures with minor veining, various fractures with some that have bleaching auroles. Patchy weak epidote/bl alt. 1-2% fg-cg po occurring both as mg-cg diss clumps but also as diss fg-mg throughout, tr fg-mg py.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
E6563215	1.40	2.00	0.60		48.1		<1.0	1	74	162	13	93	191	0.20	0	7
E6563216	2.00	3.00	1.00		42.4		<1.0	0	79	50	16	74	<5	0.17	0	5
E6563217	3.00	4.00	1.00		42.9		<1.0	0	72	87	16	88	<5	0.12	0	6
E6563219	4.00	5.00	1.00		43.6		2.0	0	72	121	10	70	<5	0.27	0	7
E6563220	5.00	6.00	1.00		64.9		<1.0	1	80	251	28	79	11	0.74	0	9
E6563221	6.00	7.00	1.00		54.9		<1.0	1	71	162	30	75	10	0.56	0	7
E6563222	7.00	8.00	1.00		85.5		<1.0	1	94	227	14	78	5	0.93	0	11
E6563223	8.00	9.00	1.00		49.4		<1.0	0	79	95	6	78	<5	0.29	0	6
E6563224	9.00	10.00	1.00		48.2		<1.0	0	77	97	8	85	<5	0.14	0	6
E6563225	10.00	11.00	1.00		54.3		<1.0	0	78	183	12	84	<5	0.35	0	7
E6563227	11.00	12.00	1.00		58.8		<1.0	1	77	163	35	60	23	0.57	0	8
E6563228	12.00	12.55	0.55		47.4		<1.0	1	80	140	26	65	32	0.31	0	6
E6563229	12.55	13.40	0.85		87.0		4.0	6	624	760	166	376	551	0.49	0	25
E6563230	13.40	14.00	0.60		36.1		1.0	2	80	84	51	111	51	0.31	0	6
E6563231	14.00	15.00	1.00		40.5		2.0	1	81	72	71	99	19	0.20	0	7
E6563233	15.00	16.00	1.00		55.5		<1.0	0	80	89	22	74	37	0.25	0	7
E6563234	16.00	17.00	1.00		64.4		<1.0	1	95	111	39	139	36	0.52	0	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
17.14	17.25	FLTZ	FLTZ	Fault Zone Mod narrow fault along carb vein with vermiform 20-30% py mineralization (picture taken box 4). Weak gouge along sides of vein.	E6563235	17.00	18.00	1.00		55.7		<1.0	0	135	122	29	120	26	0.50	0	8
17.25	28.31	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greenish grey, massive with pillow structures with minor veining, various fractures with some that have bleaching aureoles. Patchy weak epidote/bl alt. Diss Tr -1% fg-mg po and py.	E6563236	18.00	19.00	1.00		48.1		<1.0	0	79	86	8	94	5	0.12	0	6
					E6563237	19.00	20.00	1.00		49.6		<1.0	0	83	50	<5	88	<5	0.05	0	6
					E6563239	20.00	21.00	1.00		52.2		<1.0	0	96	89	<5	81	<5	0.12	0	7
					E6563240	21.00	22.00	1.00		51.7		<1.0	0	81	118	<5	91	<5	0.13	0	7
					E6563241	22.00	23.00	1.00		51.7		<1.0	0	92	112	<5	81	<5	0.18	0	7
					E6563242	23.00	24.00	1.00		62.8		<1.0	0	95	252	<5	101	<5	0.52	0	9
					E6563243	24.00	25.00	1.00		60.1		<1.0	0	92	146	<5	82	<5	0.32	0	8
					E6563244	25.00	26.00	1.00		56.5		1.0	0	100	97	<5	79	<5	0.17	0	8
					E6563245	26.00	27.00	1.00		57.4		<1.0	0	97	103	8	78	<5	0.12	0	7
					E6563247	27.00	28.00	1.00		57.2		<1.0	1	106	103	5	72	<5	0.15	0	7
28.31	28.70	FLTZ	FLTZ	Fault Zone Mod fault with mod-strong chl alt with gouge. Fragments are fairly angular and randomly oriented. Fragments range in size from 1mm to 1-5cm, some weak crb crystals on some fragments, barren.	E6563248	28.00	29.00	1.00		61.0		<1.0	0	108	100	<5	81	<5	0.16	0	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
28.70	86.66	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greenish grey, massive with pillow structures with minor veining, various fractures and foliation. Patchy weak to weak/mod epidote/bl alt in addition to a brownish/tan alteration, unsure of exact classification - possibly biotite. Diss Tr -1% fg-mg po and py. Weak vein with sph and galena at 78.36m.	E6563249	29.00	30.00	1.00		45.4		<1.0	0	82	66	5	69	<5	0.06	0	6
					E6563250	30.00	31.00	1.00		32.6		<1.0	0	55	71	<5	52	<5	0.07	0	4
					E6563251	31.00	32.00	1.00		46.6		<1.0	0	76	95	17	116	12	0.10	0	6
					E6563253	32.00	33.00	1.00		40.0		<1.0	0	65	126	20	97	13	0.13	0	6
					E6563254	33.00	34.00	1.00		52.7		<1.0	0	84	104	17	75	8	0.28	0	7
					E6563255	34.00	35.00	1.00		48.1		<1.0	0	82	127	22	96	<5	0.19	0	7
					E6563256	35.00	36.00	1.00		49.9		<1.0	0	82	104	412	550	11	0.19	0	9
					E6563257	36.00	37.00	1.00		48.8		<1.0	1	70	92	124	622	17	0.17	0	8
					E6563259	37.00	38.00	1.00		42.2		<1.0	0	95	58	25	134	12	0.19	0	6
					E6563260	38.00	39.00	1.00		56.1		<1.0	0	93	128	10	82	<5	0.50	0	7
					E6563261	39.00	40.00	1.00		46.0		<1.0	0	65	159	13	61	<5	0.29	45	6
					E6563262	40.00	41.00	1.00		43.9		<1.0	0	73	63	13	116	<5	0.05	45	6
					E6563263	41.00	42.00	1.00		44.9		<1.0	0	73	113	7	74	<5	0.14	45	6
					E6563264	42.00	43.00	1.00		57.6		<1.0	0	92	118	<5	78	<5	0.22	45	7
					E6563265	43.00	44.00	1.00		44.4		<1.0	0	80	40	7	73	<5	0.03	45	6
					E6563267	44.00	45.00	1.00		59.3		<1.0	1	88	258	5	90	<5	0.55	45	8
					E6563268	45.00	46.00	1.00		56.5		<1.0	0	92	132	6	74	<5	0.18	45	7
					E6563269	46.00	47.00	1.00		58.8		<1.0	0	92	85	5	72	<5	0.19	45	7
					E6563270	47.00	48.00	1.00		55.1		<1.0	0	95	124	<5	71	<5	0.43	45	7
					E6563271	48.00	49.00	1.00		47.5		<1.0	0	84	52	6	73	<5	0.05	45	6
					E6563273	49.00	50.00	1.00		67.6		<1.0	0	103	111	<5	86	<5	0.22	45	8
					E6563274	50.00	51.00	1.00		65.0		<1.0	0	108	84	6	86	<5	0.07	45	8
					E6563275	51.00	52.00	1.00		58.5		<1.0	0	107	172	10	81	<5	0.13	45	8
					E6563276	52.00	53.00	1.00		62.2		<1.0	0	114	112	6	76	<5	0.18	100	8
					E6563277	53.00	54.00	1.00		67.2		<1.0	0	123	140	5	73	<5	0.22	100	9
					E6563279	54.00	55.00	1.00		50.9		<1.0	0	103	71	10	63	7	0.11	100	7
					E6563280	55.00	56.00	1.00		56.9		<1.0	0	104	49	9	77	<5	0.08	100	7
					E6563281	56.00	57.00	1.00		56.5		<1.0	0	103	82	7	118	<5	0.09	100	7
					E6563282	57.00	58.00	1.00		47.0		<1.0	0	103	53	11	146	5	0.14	135	6
					E6563283	58.00	59.00	1.00		46.4		<1.0	0	83	85	6	67	<5	0.14	135	6
					E6563284	59.00	60.00	1.00		47.1		<1.0	0	83	63	10	77	<5	0.09	135	6
					E6563286	60.00	61.00	1.00												135	
					E6563285	60.00	61.00	1.00		47.4		<1.0	0	98	57	<5	75	<5	0.12		6
					E6563287	61.00	62.00	1.00		56.8		<1.0	1	93	133	8	70	8	0.29	135	7
					E6563288	62.00	63.00	1.00		58.2		<1.0	0	107	157	10	84	<5	0.24	135	8
					E6563289	63.00	64.00	1.00		62.5		<1.0	0	116	141	6	90	<5	0.25	135	8
					E6563290	64.00	65.00	1.00		52.2		<1.0	0	104	61	8	80	<5	0.05	135	7
					E6563291	65.00	66.00	1.00		46.2		<1.0	0	123	49	11	92	<5	0.13	135	6
					E6563293	66.00	67.00	1.00		47.5		<1.0	0	99	46	49	278	<5	0.08	135	7
					E6563294	67.00	68.00	1.00		51.6		<1.0	0	106	57	29	156	<5	0.10	135	7
					E6563295	68.00	69.00	1.00		56.7		<1.0	0	98	83	7	82	<5	0.23	113	7
					E6563296	69.00	70.00	1.00		58.5		<1.0	0	116	71	6	85	6	0.15	113	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
					E6563297	70.00	71.00	1.00		48.8		<1.0	0	102	66	15	73	<5	0.13	113	6
					E6563299	71.00	72.00	1.00		59.0		<1.0	0	113	71	7	79	<5	0.13	113	8
					E6563300	72.00	73.00	1.00		58.6		<1.0	0	114	166	15	94	<5	0.37	113	8
					E6563301	73.00	74.00	1.00		49.2		<1.0	0	107	52	10	74	<5	0.11	113	6
					E6563302	74.00	75.00	1.00		48.1		<1.0	0	96	90	30	77	<5	0.18	113	6
					E6563303	75.00	76.00	1.00		110.0		<1.0	0	112	454	26	99	<5	1.09	113	15
					E6563304	76.00	77.00	1.00		62.3		<1.0	0	95	147	6	81	<5	0.37	113	8
					E6563305	77.00	78.00	1.00		71.5		1.0	0	114	200	33	187	<5	0.76	113	10
					E6563307	78.00	79.00	1.00		60.7		<1.0	1	98	102	535	3920	8	0.51	113	21
					E6563308	79.00	80.00	1.00		48.5		<1.0	0	78	74	38	169	<5	0.13	113	6
					E6563309	80.00	81.00	1.00		59.5		<1.0	0	92	110	8	81	<5	0.31	113	8
					E6563310	81.00	82.00	1.00		68.8		<1.0	0	97	149	12	87	<5	0.77	113	9
					E6563311	82.00	83.00	1.00		68.2		<1.0	0	105	260	6	107	<5	0.93	113	10
					E6563313	83.00	84.00	1.00		73.2		<1.0	0	110	263	13	103	6	1.07	113	10
					E6563314	84.00	85.00	1.00		71.7		1.0	1	102	198	87	523	6	1.14	113	11
					E6563315	85.00	86.00	1.00		50.5		<1.0	0	95	84	7	84	<5	0.26	99	7
86.66	86.84	FLTZ	FLTZ	Fault Zone Fault zone, broken up fragments of core with strong slicks. Strong chl and mod fg chl gouge. A few specks of fg-mg platy py.	E6563316	86.00	87.00	1.00	50016	47.6	31439	<1.0	0	89	41	11	93	<5	0.12	19666	6
86.84	101.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greenish grey, massive with pillow structures with minor veining, various fractures and foliation, Patchy weak-mod epidote/bl alt in addition to weak brownish/tan alteration. Diss Tr -1% fg-mg po and py.	E6563317	87.00	88.00	1.00		56.0		<1.0	0	96	148	6	97	<5	0.45	87	8
					E6563319	88.00	89.00	1.00		57.4		<1.0	0	93	136	8	103	6	0.52	87	8
					E6563320	89.00	90.00	1.00		58.3		<1.0	0	97	107	10	113	5	0.28	87	8
					E6563321	90.00	91.00	1.00		44.3		<1.0	0	78	64	5	75	<5	0.14	87	6
					E6563322	91.00	92.00	1.00		50.3		<1.0	0	85	101	6	100	<5	0.27	87	7
					E6563323	92.00	93.00	1.00		50.8		<1.0	0	83	160	12	98	<5	0.49	87	7
					E6563324	93.00	94.00	1.00		59.3		<1.0	0	90	135	<5	84	<5	0.50	87	8
					E6563325	94.00	95.00	1.00		56.2		<1.0	0	89	107	<5	91	<5	0.34	57	7
					E6563327	95.00	96.00	1.00		51.7		<1.0	1	89	89	7	79	6	0.25	57	7
					E6563328	96.00	97.00	1.00		51.5		<1.0	0	90	71	5	83	<5	0.35	57	7
					E6563329	97.00	98.00	1.00		26.5		<1.0	0	51	136	8	101	<5	0.49	57	4
					E6563330	98.00	99.00	1.00		27.6		<1.0	0	52	141	5	66	<5	0.35	57	4
					E6563331	99.00	100.00	1.00		21.9		<1.0	0	43	118	<5	61	<5	0.30	57	4
					E6563333	100.00	101.00	1.00		24.6		<1.0	0	43	79	<5	66	<5	0.14	57	4
101.00	101.00	EOH	EOH	End of Hole End of hole																	
	101.00	EOH		End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
0.00	5.00	5.00	5.00					overburden
5.00	8.00		3.04					regular tech
8.00	11.00		2.93					
11.00	14.00		2.80					block and fracture.
14.00	17.00		2.99					REGULAR TECH
17.00	20.00		3.00					
20.00	23.00		2.88					
23.00	26.00		2.97					REGULAR TECH STARTS
26.00	29.00		3.02					REGULAR TECH
29.00	32.00		2.93					REGULAR TECH
32.00	35.00		3.04					REGULAR TECH
35.00	38.00		3.04					REGULAR TECH
38.00	41.00		3.04					REGULAR TECH
41.00	44.00		2.99					REGULAR TECH
44.00	47.00		2.95					REGULAR TECH
47.00	50.00		3.05					REGULAR TECH
50.00	53.00		3.02					REGULAR TECH
53.00	56.00		2.91					REGULAR TECH
56.00	59.00		3.04					REGULAR TECH
59.00	62.00		3.10					REGULAR TECH
62.00	65.00		2.95					REGULAR TECH
65.00	68.00		3.11					REGULAR TECH
68.00	71.00		3.00					REGULAR TECH
71.00	74.00		2.93					REGULAR TECH
74.00	77.00		2.97					REGULAR TECH
77.00	80.00		3.04					REGULAR TECH
80.00	83.00		2.75					REGULAR TECH
83.00	86.00		3.16					ORIENT TECH
86.00	89.00		2.98					ORIENT TECH
89.00	92.00		3.03					REGULAR TECH
92.00	95.00		2.96					REGULAR TECH
95.00	98.00		3.08					REGULAR TECH
98.00	101.00		2.93					EOH

Cobalt North Project

Drill Log FCC-18-0045

COLLAR INFORMATION

Easting: 612,983.32 m **Azimuth:** 272.10°
Northing: 5,227,780.91 m **Dip:** -54.50°
Elevation: 341.66 m **Length:** 167.00 m
Target: Test Hope and a Prayer shallow

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	272.1°	272.1°	-54.5°	Collar
14.00	284.6°	272.1°	-54.5°	EZ-Trac
50.00	284.6°	272.1°	-53.9°	EZ-Trac
101.00	284.0°	271.5°	-53.8°	EZ-Trac
150.00	285.7°	273.2°	-52.8°	EZ-Shot
167.00	285.7°	273.2°	-52.8°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Drilling	0.0	167.0	Laframboise Drilling	2018-Apr-20	Apr-21	
Geotech - Basic	1.0	95.0	Mayank Patel	2018-Apr-26	Apr-26	
Geotech - Basic	95.0	167.0	Glenn O'Keefe	2018-Apr-27	Apr-28	
Core Logging	0.0	167.0	Gerhard Kiessling	2018-May-09	May-11	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	0.40	CAS	CAS	Casing

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
0.40	34.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Shearing from 2-9m with local silicification within foliation, weak veining, some fracture foliation. Tr fg-cg po/tr fg-mg py and tr cpy. Competent fault at 20.81m with chl/weak gouge.	E6563334	0.40	1.00	0.60		42.9		<1.0	0	87	32	7	110	5	0.10	6	6
					E6563335	1.00	2.00	1.00		45.3		<1.0	0	85	48	15	167	<5	0.18	6	6
					E6563336	2.00	3.00	1.00		42.6		<1.0	0	80	39	10	107	6	0.15	6	5
					E6563337	3.00	4.00	1.00		43.8		<1.0	0	83	81	13	74	10	0.36	6	6
					E6563339	4.00	5.00	1.00		48.5		<1.0	0	90	74	8	74	5	0.27	6	6
					E6563340	5.00	6.00	1.00		57.3		<1.0	1	256	119	117	680	34	0.83	6	12
					E6563341	6.00	7.00	1.00		51.8		1.0	2	624	199	146	378	50	0.12	6	16
					E6563342	7.00	8.00	1.00		48.8		<1.0	0	144	155	15	532	6	0.57	6	9
					E6563343	8.00	9.00	1.00		28.6		<1.0	0	58	65	10	78	<5	0.20	6	4
					E6563344	9.00	10.00	1.00		40.8		<1.0	0	59	96	6	84	<5	0.26	6	5
					E6563345	10.00	11.00	1.00		46.9		<1.0	0	87	63	16	90	<5	0.45	6	6
					E6563347	11.00	12.00	1.00		36.7		<1.0	0	59	81	9	78	6	0.21	6	5
					E6563348	12.00	13.00	1.00		34.4		<1.0	0	74	47	9	82	<5	0.16	6	5
					E6563349	13.00	14.00	1.00		44.6		<1.0	1	59	31	40	228	16	0.29	6	6
					E6563350	14.00	15.00	1.00		38.3		<1.0	0	58	58	14	88	<5	0.37	6	5
					E6563351	15.00	16.00	1.00		29.3		<1.0	0	56	47	8	77	<5	0.08	6	4
					E6563353	16.00	17.00	1.00		34.1		<1.0	0	60	82	77	297	13	0.21	6	5
					E6563354	17.00	18.00	1.00		36.7		<1.0	0	72	26	34	116	<5	<0.01	6	5
					E6563355	18.00	19.00	1.00		47.6		<1.0	0	73	86	30	111	<5	0.34	6	6
					E6563356	19.00	20.00	1.00		47.9		<1.0	0	102	53	8	101	<5	0.25	6	6
					E6563357	20.00	21.00	1.00		42.7		<1.0	0	93	16	5	89	8	0.04	6	5
					E6563359	21.00	22.00	1.00		39.4		<1.0	0	75	219	33	95	8	0.61	6	6
					E6563360	22.00	23.00	1.00		56.2		1.0	1	107	573	34	96	5	1.80	6	11
					E6563361	23.00	24.00	1.00		41.6		<1.0	0	65	85	11	134	7	0.61	6	6
					E6563362	24.00	25.00	1.00		35.4		<1.0	0	45	83	11	104	<5	0.58	6	5
					E6563363	25.00	26.00	1.00		45.0		<1.0	0	54	117	27	92	9	1.03	6	6
					E6563364	26.00	27.00	1.00		33.7		<1.0	1	51	200	23	112	7	0.49	6	5
					E6563365	27.00	28.00	1.00		32.0		<1.0	1	48	158	15	110	<5	0.85	6	5
					E6563367	28.00	29.00	1.00		25.6		1.0	2	40	278	178	1180	10	1.05	6	9
					E6563368	29.00	30.00	1.00		24.6		<1.0	1	37	264	31	126	<5	1.22	6	5
					E6563369	30.00	31.00	1.00		38.8		<1.0	1	56	417	10	85	<5	1.06	6	7
					E6563370	31.00	32.00	1.00		31.2		<1.0	0	60	71	7	77	<5	0.25	6	4
					E6563371	32.00	33.00	1.00		52.1		<1.0	0	86	112	24	124	7	0.64	6	7
					E6563373	33.00	34.00	1.00		32.4		<1.0	0	55	102	46	157	<5	0.34	6	5
34.00	34.15	FLTZ	FLTZ	Fault Zone Fault Zone - fine angular rubble, some powder gouge and platy chl fragments. Barren for the most part with a few platy py specks along chl planes.	E6563374	34.00	35.00	1.00		33.2		<1.0	0	59	106	13	99	<5	0.43	6	5

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
34.15	39.94	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Some fracture foliation, weak veining. Tr fg-cg po/tr fg-mg py and tr cpy.	E6563375	35.00	36.00	1.00		47.0		<1.0	0	76	201	34	146	<5	0.88	6	7
					E6563376	36.00	37.00	1.00		30.6		<1.0	0	58	71	12	96	<5	0.29	6	4
					E6563377	37.00	38.00	1.00		36.0		<1.0	0	65	51	10	88	5	0.12	6	5
					E6563379	38.00	39.00	1.00		38.5		<1.0	0	69	34	7	88	7	0.11	6	5
					E6563380	39.00	40.00	1.00		47.8		<1.0	0	63	126	43	91	<5	0.80	45	6
39.94	40.58	FLTZ	FLTZ	Fault Zone Fault Zone - Larger angular core fragments from chl gouge powder to 1mm flakey pieces. Platey py along various fragments, mod chl alt.	E6563381	40.00	41.00	1.00		27.9		<1.0	0	66	41	57	181	<5	0.05	45	4

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
40.58	96.02	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6563382	41.00	42.00	1.00		34.5		<1.0	0	71	53	13	79	<5	0.22	45	5
				Dark grey/green, fine grained, sections that are more massive to areas with pillows. Some fracture foliation, weak veining. Tr fg-cg po/tr fg-mg py and tr cpy from 40.48-51m Py foliation and sulph vein sat 51-52m. Po min increases slightly at 58m, 1-2%. Significant po/py min along with shearing and foliation from 64.52-67.1m at with up to 20% po/py. Weak barren chl fault at 74.14m.	E6563383	42.00	43.00	1.00		34.9		<1.0	0	66	124	16	148	<5	0.55	45	5
					E6563384	43.00	44.00	1.00		37.2		<1.0	0	73	76	9	79	<5	0.30	45	5
					E6563385	44.00	45.00	1.00		29.8		<1.0	0	65	30	6	71	<5	0.03	45	4
					E6563387	45.00	46.00	1.00		43.6		<1.0	0	58	348	9	72	<5	0.69	45	7
					E6563388	46.00	47.00	1.00		40.3		<1.0	0	67	86	<5	75	<5	0.32	45	5
					E6563389	47.00	48.00	1.00		32.9		<1.0	0	52	82	<5	78	<5	0.25	45	4
					E6563390	48.00	49.00	1.00		38.5		<1.0	0	59	53	<5	76	<5	0.21	45	5
					E6563391	49.00	50.00	1.00		47.4		<1.0	0	78	165	15	75	<5	0.56	45	7
					E6563393	50.00	51.00	1.00		82.3		<1.0	0	88	155	12	82	<5	1.98	45	10
					E6563394	51.00	52.00	1.00		120.0		<1.0	0	106	386	8	106	<5	2.50	45	15
					E6563395	52.00	53.00	1.00		45.7		<1.0	0	78	111	7	87	<5	0.55	100	6
					E6563396	53.00	54.00	1.00		46.1		<1.0	0	75	103	7	73	<5	0.77	100	6
					E6563397	54.00	55.00	1.00		35.3		<1.0	0	70	99	7	71	<5	0.38	100	5
					E6563399	55.00	56.00	1.00		38.3		<1.0	0	79	53	<5	121	<5	0.32	100	5
					E6563400	56.00	57.00	1.00		45.3		<1.0	0	80	109	<5	99	<5	0.54	100	6
					E6563401	57.00	58.00	1.00		45.6		<1.0	0	78	151	5	94	<5	0.71	135	6
					E6563402	58.00	59.00	1.00		55.7		<1.0	0	97	219	9	86	<5	1.27	135	8
					E6563403	59.00	60.00	1.00		48.8		<1.0	0	87	143	9	79	<5	0.99	135	7
					E6563404	60.00	61.00	1.00		51.7		<1.0	0	99	231	8	84	<5	1.03	135	8
					E6563405	61.00	62.00	1.00		77.0		<1.0	0	117	430	8	100	<5	1.94	135	12
					E6563407	62.00	63.00	1.00		69.9		<1.0	0	162	256	6	100	<5	1.26	135	10
					E6563408	63.00	64.00	1.00		55.8		<1.0	0	100	114	6	78	<5	0.94	135	7
					E6563409	64.00	65.00	1.00		87.0		<1.0	0	138	585	5	90	<5	2.24	135	14
					E6563410	65.00	66.00	1.00		244.0		<1.0	1	264	859	13	77	<5	7.04	135	31
					E6563411	66.00	67.00	1.00		96.4		<1.0	1	129	509	15	95	<5	2.34	135	14
					E6563413	67.00	68.00	1.00		51.0		<1.0	0	111	93	10	86	<5	0.66	135	7
					E6563414	68.00	69.00	1.00		37.6		<1.0	0	61	175	11	95	<5	0.73	113	6
					E6563415	69.00	70.00	1.00		68.1		<1.0	1	123	181	8	106	<5	1.37	113	9
					E6563416	70.00	71.00	1.00		41.7		<1.0	0	85	78	6	79	<5	0.60	113	6
					E6563417	71.00	72.00	1.00		50.8		<1.0	0	97	142	8	101	<5	0.79	113	7
					E6563419	72.00	73.00	1.00		52.7		<1.0	0	82	248	10	72	<5	1.29	113	8
					E6563420	73.00	74.00	1.00		47.3		<1.0	0	84	198	10	86	<5	0.78	113	7
					E6563421	74.00	75.00	1.00		36.3		<1.0	0	74	59	10	102	<5	0.38	113	5
					E6563422	75.00	76.00	1.00		38.3		<1.0	0	76	73	13	101	<5	0.37	113	5
					E6563423	76.00	77.00	1.00		35.8		<1.0	0	60	153	8	112	<5	0.77	113	5
					E6563424	77.00	78.00	1.00		37.9		<1.0	0	57	128	11	99	<5	0.62	113	5
					E6563425	78.00	79.00	1.00		30.3		<1.0	0	44	109	11	94	<5	0.60	113	4
					E6563427	79.00	80.00	1.00		55.6		<1.0	0	93	365	8	93	<5	1.33	113	9
					E6563428	80.00	81.00	1.00		61.9		<1.0	0	107	414	7	96	<5	1.98	113	10
					E6563429	81.00	82.00	1.00		54.4		<1.0	0	108	384	<5	89	<5	1.48	113	9
					E6563430	82.00	83.00	1.00		58.9		<1.0	0	92	269	<5	87	<5	1.02	113	9

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
					E6563431	83.00	84.00	1.00		63.1		<1.0	0	105	190	5	86	<5	0.74	113	9
					E6563433	84.00	85.00	1.00		56.2		<1.0	0	104	268	<5	100	<5	0.74	113	9
					E6563434	85.00	86.00	1.00		51.3		<1.0	0	93	112	<5	85	<5	0.43	99	7
					E6563435	86.00	87.00	1.00	50016	57.4	31439	<1.0	0	103	116	<5	90	<5	0.62	19666	8
					E6563436	87.00	88.00	1.00		52.7		<1.0	0	88	137	<5	83	<5	0.55	87	7
					E6563437	88.00	89.00	1.00		68.9		<1.0	1	97	336	12	100	<5	1.51	87	10
					E6563439	89.00	90.00	1.00		54.6		<1.0	0	84	180	9	85	<5	0.71	87	7
					E6563440	90.00	91.00	1.00		52.1		3.0	1	81	259	12	70	<5	1.19	87	9
					E6563441	91.00	92.00	1.00		41.2		<1.0	0	79	148	15	71	<5	0.86	87	6
					E6563442	92.00	93.00	1.00		52.3		1.0	0	75	216	20	68	<5	1.22	87	8
					E6563443	93.00	94.00	1.00		47.9		<1.0	1	64	159	19	66	<5	1.03	87	6
					E6563444	94.00	95.00	1.00		57.0		<1.0	1	86	138	17	66	<5	1.35	57	7
					E6563445	95.00	95.50	0.50		70.3		<1.0	1	96	371	16	101	<5	1.35	57	10
					E6563447	95.50	96.02	0.52		123.0		1.0	1	169	871	41	173	10	1.78	57	20
96.02	97.59	IMLAM	LMP	Lamprophyre Dark grey, medium grained, massive, fg-mg biotite at 2-3%. Sharp UC and LC.	E6563448	96.02	96.60	0.58		35.8		<1.0	0	229	45	10	133	<5	0.11	57	7
					E6563449	96.60	97.59	0.99		46.6		<1.0	0	279	62	77	114	5	0.10	57	9
97.59	100.53	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Some fracture foliation, weak veining. 2-3% mg-cg diss py and fg-mg po.	E6563450	97.59	98.59	1.00		69.5		<1.0	0	97	201	11	70	7	0.97	57	9
					E6563451	98.59	99.59	1.00		72.3		<1.0	0	110	472	11	73	<5	1.06	57	11
					E6563453	99.59	100.53	0.94		74.6		<1.0	1	120	181	12	78	<5	1.43	57	10
100.53	101.00	IMLAM	LMP	Lamprophyre Dark grey, medium grained, massive, fg-mg biotite at 3-4%. Sharp UC and LC.	E6563454	100.53	101.00	0.47		47.6		<1.0	0	285	55	17	96	7	0.16	57	9
101.00	101.99	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Some fracture foliation, weak veining. 2-3% mg-cg diss py and fg-mg po.	E6563455	101.00	101.50	0.50		45.3		<1.0	0	74	96	11	68	<5	0.45	57	6
					E6563456	101.50	101.99	0.49		44.5		<1.0	0	74	82	8	60	<5	0.32	57	6
101.99	103.88	VMVCL	VMVCL	Mafic Volcanic - Volcaniclastic (volcanics > minor interflow seds) Dark grey, fg-mg, massive, polymictic, some 'lapilli' are altered to a light tannish colour, to white, to some that are dark greyish green and fresh. They vary in size from >1mm, to 3cm in length. Sharp UC/LC. Fg-mg biotite at 2-3%, some mg amphibole with good cleavage visible. (Possible weird mafic intrusive? - not confident on classification).	E6563457	101.99	102.50	0.51		30.9		<1.0	0	94	16	11	78	<5	0.01	57	4
					E6563459	102.50	103.50	1.00		29.7		<1.0	0	100	10	8	81	<5	<0.01	57	4
					E6563460	103.50	103.88	0.38		30.3		<1.0	0	94	32	7	84	<5	0.12	57	4
103.88	105.72	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Some fracture foliation, weak veining. Patchy epi/bl alt. 2-3% mg-cg diss py and fg-mg po. Lense of higher po/py min at 104.07m.	E6563461	103.88	104.72	0.84		90.5		<1.0	0	115	421	7	86	<5	2.84	57	13
					E6563462	104.72	105.72	1.00		73.1		<1.0	1	98	702	7	82	15	2.41	57	13
105.72	106.84	IM	IM	Mafic Intrusive (non-Nipissing) Dark grey, medium to coarse grained, massive. Sharp UC and LC.	E6563463	105.72	106.20	0.48		39.3		<1.0	0	176	78	8	92	<5	0.17	57	7
					E6563464	106.20	106.84	0.64		41.8		<1.0	0	209	42	11	96	<5	0.37	57	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
106.84	140.87	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6563465	106.84	107.50	0.66		32.9		<1.0	0	79	306	9	130	<5	0.47	57	6
				Dark grey/green, fine grained, sections that are more massive to areas with pillows. Some fracture foliation, weak veining. Patchy epi/bl alteration. Lense of heavy po/py min foliation at 108.15m, 111.48m,117.45, and 129.78m.	E6563467	107.50	108.00	0.50		56.2		<1.0	1	91	319	10	92	<5	1.63	12	9
				Diss 2-3% mg py throughout unit, and patchy po disseminations raning from 1-2% to 3-5%, (not worth breaking out as zones), and tr-1% sph dusting. Possible secondary thin lense of MVCL from 112.32-112.45m.	E6563468	108.00	109.00	1.00		58.4		<1.0	0	109	263	9	87	<5	1.53	30	9
					E6563469	109.00	110.00	1.00		54.8		<1.0	0	87	186	10	77	<5	0.77	59	8
					E6563470	110.00	111.00	1.00		54.4		<1.0	0	101	154	8	81	<5	0.84	70	7
					E6563471	111.00	112.00	1.00		51.4		<1.0	0	94	149	8	105	<5	0.56	70	7
					E6563473	112.00	113.00	1.00		65.3		1.0	0	111	344	6	105	<5	1.50	70	10
					E6563474	113.00	114.00	1.00		54.8		<1.0	0	90	152	<5	85	<5	0.73	70	7
					E6563475	114.00	115.00	1.00		60.5		1.0	0	101	174	7	98	<5	0.78	70	9
					E6563476	115.00	116.00	1.00		57.8		<1.0	0	107	184	8	93	<5	1.17	70	8
					E6563477	116.00	117.00	1.00		63.9		<1.0	0	108	300	8	104	<5	1.79	70	9
					E6563479	117.00	118.00	1.00		111.0		<1.0	0	165	321	56	88	<5	4.53	70	15
					E6563480	118.00	119.00	1.00		56.8		<1.0	0	105	229	7	98	<5	1.06	70	8
					E6563481	119.00	120.00	1.00		61.4		1.0	0	103	293	11	108	<5	1.32	70	10
					E6563482	120.00	121.00	1.00		69.5		2.0	0	106	370	13	98	<5	1.73	70	11
					E6563483	121.00	122.00	1.00		60.6		<1.0	0	103	275	10	94	<5	1.32	70	9
					E6563484	122.00	123.00	1.00		63.6		<1.0	1	104	321	8	82	<5	1.45	70	9
					E6563485	123.00	124.00	1.00		53.1		<1.0	0	88	343	15	84	<5	1.32	70	9
					E6563487	124.00	125.00	1.00		51.9		<1.0	1	93	518	21	114	<5	1.10	70	10
					E6563488	125.00	126.00	1.00		64.7		1.0	5	88	894	27	140	134	0.78	70	14
					E6563489	126.00	127.00	1.00		63.2		<1.0	1	103	357	13	91	26	1.44	70	10
					E6563490	127.00	128.00	1.00		65.0		<1.0	1	102	289	11	87	35	1.14	70	9
					E6563491	128.00	129.00	1.00		35.8		<1.0	0	82	104	17	79	7	0.47	70	5
					E6563493	129.00	130.00	1.00		101.0		<1.0	1	144	433	40	89	22	2.45	70	14
					E6563494	130.00	131.00	1.00		60.8		<1.0	1	99	225	13	84	<5	1.09	70	9
					E6563495	131.00	132.00	1.00		47.0		<1.0	0	58	192	11	68	<5	0.55	70	6
					E6563496	132.00	133.00	1.00		53.1		<1.0	0	82	80	11	76	<5	0.62	70	7
					E6563497	133.00	134.00	1.00		60.1		<1.0	0	97	145	7	98	<5	0.68	70	8
					E6563499	134.00	135.00	1.00		68.1		<1.0	0	96	139	8	97	<5	0.77	70	9
					E6563500	135.00	136.00	1.00		56.5		<1.0	0	94	106	7	97	<5	0.55	70	7
					E6563501	136.00	137.00	1.00		58.8		<1.0	0	95	156	11	119	<5	0.72	70	8
					E6563502	137.00	138.00	1.00		67.1		<1.0	0	90	178	9	100	<5	0.90	70	9
					E6563503	138.00	139.00	1.00		71.6		<1.0	0	81	291	10	101	<5	1.09	70	10
					E6563504	139.00	140.00	1.00		54.8		<1.0	0	91	98	17	76	9	0.65	70	7
					E6563505	140.00	140.87	0.87		87.7		<1.0	2	152	527	13	97	8	2.42	70	14
140.87	146.71	IMLAM	LMP	Lamprophyre	E6563507	140.87	141.50	0.63		58.8		<1.0	1	437	41	35	112	21	0.19	70	12
				Dark to almost medium grey, massive, medium grained with biotite up to 5-7%. Sharp UC and LC. One decent but barren qtz-carb vein at 141.03m, minor carb veining with tr py/po.	E6563508	141.50	142.00	0.50		52.9		<1.0	0	583	18	10	105	10	<0.01	70	13
					E6563509	142.00	143.00	1.00		54.2		<1.0	0	574	38	12	100	<5	<0.01	70	13
					E6563510	143.00	144.00	1.00		57.8		<1.0	0	514	85	60	114	13	0.05	70	13
					E6563511	144.00	145.00	1.00		50.6		<1.0	0	543	111	39	113	13	0.05	70	13
					E6563513	145.00	146.00	1.00		49.0		<1.0	0	591	29	135	164	18	<0.01	70	13
					E6563514	146.00	146.71	0.71		47.2		<1.0	0	578	30	180	169	42	0.01	90	13

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
146.71	150.54	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Some fracture foliation, weak veining. Patchy epi/bl alteration. 2-3% fg-mg po/py, tr cpy and sph. Local shearing.	E6563515	146.71	147.70	0.99		48.0		2.0	0	96	144	15	72	<5	0.56	95	8
					E6563516	147.70	148.70	1.00		50.1		2.0	0	92	163	14	75	<5	0.66	95	8
					E6563517	148.70	149.40	0.70		59.3		10.0	0	87	718	21	112	<5	1.39	95	16
					E6563519	149.40	150.10	0.70		57.0		24.7	3	89	473	144	164	66	1.60	95	22
					E6563520	150.10	150.54	0.44		57.7		410.0	10	82	2170	813	385	609	0.84	95	221
150.54	151.37	VEIN	VEIN	Veins: Co / Ag Co and Ag bearing carb veins. 1st vein from 150.51 to 150.67m, second vein from 150.8-151.05m. The mineralization is fg-mg Co, wispy and diss Ag, fg-cg aspy, fg-mg py, massive blobular cpy bearing. Two silver/asy bearing veins from 151.11 to 151.37m. XRF first vein Co 0.2%, and 0.75% Ag in one area but has various fg diss throughout, could be mixed with fg aspy as well. The second vein XRF at 0% Co, but 2% Ag occurring diss within and near the walls of the vein and has similar fg disseminations to the first vein, cg aspy, and fg-mg py rimming vein with massive blobs of cpy. These larger veins are followed by two thin crb stringers with fg-mg cpy, py, and specks of diss Ag. There is also disseminated cg Aspy briefly before and after the veins within the host rock (VMP).	E6563521	150.54	151.07	0.53		244.0		1120.0	177	69	4650	199	145	4650	0.73	95	594
					E6563524	151.07	151.44	0.37		97.0		751.0	16	101	3710	390	471	498	1.05	95	399
151.37	155.24	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Weak patchy epidote and bleach alteration. 1-2% fg-mg py occurring as diss cumps as well as along fractures and weak veins noted. Minor fracture foliations.	E6563527	151.44	152.00	0.56		78.6		54.2	6	130	718	43	96	92	1.95	73	40
					E6563528	152.00	153.00	1.00		64.1		35.5	1	120	495	89	86	14	0.85	70	28
					E6563529	153.00	154.00	1.00		72.0		5.0	0	106	215	70	59	<5	1.09	70	12
					E6563530	154.00	154.90	0.90		53.2		3.0	0	99	197	26	66	13	0.76	70	9
					E6563531	154.90	155.24	0.34		76.6		5.0	1	224	376	433	147	57	3.04	70	16
155.24	155.61	IMLAM	LMP	Lamprophyre Dark grey, massive, medium grained, biotite at 3-5%. Sharp UC and LC.	E6563533	155.24	155.61	0.37		24.6		1.0	0	74	46	98	130	13	0.18	70	5
155.61	156.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Weak patchy epidote and bleach alteration. Shearing from contact to Fault zone. 1-2% fg-mg po, tr py.	E6563534	155.61	156.00	0.39		50.2		3.0	1	85	308	87	62	22	1.14	70	10
156.00	157.00	FLTZ	FLTZ	Fault Zone Fault Zone, heavily chloritized, weak fg powder gouge across zone interval, fragments of all sizes up to 10cm core length pieces, some angular and broken along various angles. Preceded by shear, followed by a crb/sil shear at 157.39m and fault noted at 158.81 with top (north block) up directional indicator. Platey py along fragments, at tr-1%.	E6563535	156.00	157.00	1.00		80.6		6.0	2	96	411	196	353	110	0.88	70	16
157.00	167.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey/green, fine grained, sections that are more massive to areas with pillows. Weak patchy epidote and bleach alteration. Sil/crb crb/sil shear at 157.39m and fault noted at 158.81 with top (north block) up directional indicator. Minor fracture foliation and no major veining. Tr fg-mg po, 2-3% fg-cg py occurring diss and as clumped blobs.	E6563536	157.00	158.00	1.00		91.6		5.0	2	104	462	292	223	106	0.92	70	16
					E6563537	158.00	159.00	1.00		51.1		2.0	0	99	179	376	424	25	0.55	70	10
					E6563539	159.00	160.00	1.00		48.5		<1.0	0	105	66	30	71	23	0.34	70	6
					E6563540	160.00	161.00	1.00		65.3		<1.0	0	115	173	16	99	<5	0.66	70	9
					E6563541	161.00	162.00	1.00		74.2		1.0	0	116	516	9	86	<5	1.31	70	12
					E6563542	162.00	163.00	1.00		99.4		1.0	1	137	736	12	85	<5	3.30	70	16
					E6563543	163.00	164.00	1.00		62.8		<1.0	0	113	285	6	86	<5	0.96	70	9
					E6563544	164.00	165.00	1.00		67.3		<1.0	0	126	166	<5	102	<5	0.75	70	9
					E6563545	165.00	166.00	1.00		70.8		<1.0	0	117	100	<5	92	<5	0.56	70	9
					E6563547	166.00	167.00	1.00		63.1		<1.0	0	110	111	6	74	<5	0.76	44	8

DRILL LOG**GEOLOGY**

From	To	Code	Label	Comment
167.00	167.00	EOH	EOH	End of Hole
			End of Hole	
	167.00	EOH		End of hole.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
1.00	2.00	1.00	1.40					NORMAL TECH
2.00	5.00		3.00					"
5.00	8.00		2.94					"
8.00	11.00		2.98					"
11.00	14.00		3.00					"
14.00	17.00		2.90					"
17.00	20.00		3.01					"
20.00	23.00		2.94					"
23.00	26.00		3.01					"
26.00	29.00		3.01					"
29.00	32.00		2.97					"
32.00	35.00		2.97					"
35.00	38.00		2.97					"
38.00	41.00		2.90					"
41.00	44.00		2.99					"
44.00	47.00		3.01					"
47.00	50.00		2.98					"
50.00	53.00		2.95					"
53.00	56.00		3.07					"
56.00	59.00		2.93					"
59.00	62.00		3.06					
62.00	65.00		2.95					
65.00	68.00		2.96					
68.00	71.00		3.02					CENTRE MARK CAN'T A
71.00	74.00		2.95					
74.00	77.00		3.12					
77.00	80.00		2.89					
80.00	83.00		3.03					
83.00	86.00		2.80					
86.00	89.00		3.32					
89.00	92.00		2.88					
92.00	95.00		2.75					
95.00	98.00		3.27					
98.00	101.00		3.14					lol @99.87
101.00	104.00		2.88					lol@2.41
104.00	107.00		2.88					
107.00	110.00		3.12					
110.00	113.00		3.06					
113.00	116.00		3.01					
116.00	119.00		3.05					
119.00	122.00		3.10					
122.00	125.00		2.94					
125.00	128.00	3.00	3.11	103.7				

128.00	131.00	3.03
131.00	134.00	2.99
134.00	137.00	3.01
137.00	140.00	2.99
140.00	143.00	3.02
143.00	146.00	2.97
146.00	149.00	3.03
149.00	152.00	2.99
152.00	155.00	3.04
155.00	158.00	3.05
158.00	161.00	2.99
161.00	164.00	3.00
164.00	167.00	2.98

lol @142.87
loc @144.9

lol@149.58 &151.08

lol@155.98

Cobalt North Project

Drill Log FCC-18-0046

COLLAR INFORMATION

Easting: 612,914.44 m **Azimuth:** 224.80°
Northing: 5,228,772.36 m **Dip:** -50.10°
Elevation: 319.41 m **Length:** 152.00 m
Target: Testing NW Pyrite fault

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	224.8°	224.8°	-50.1°	Collar
14.00	237.3°	224.8°	-49.2°	EZ-Trac
50.00	235.5°	223.0°	-48.2°	EZ-Trac
101.00	235.8°	223.3°	-47.7°	EZ-Trac
152.00	235.4°	222.9°	-47.5°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	152.0	Dan Chisholm	2018-Apr-21	Apr-30	
Drilling	0.0	152.0	Laframboise Drilling	2018-Apr-21	Apr-22	
Geotech - Basic	0.0	68.0	Glenn O'Keefe	2018-Apr-29	Apr-29	
Geotech - Basic	68.0	152.0	Mayank Patel	2018-Apr-30	Apr-30	
Geotech + Orient	0.0	68.0	Glenn O'Keefe	2018-Apr-29	Apr-29	
Geotech + Orient	68.0	152.0	Mayank Patel	2018-Apr-30	Apr-30	
Core Logging	0.0	152.0	Meghan Hewton	2018-May-01	May-08	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	2.00	OVB	OVB	Overburden No core preserved. Box 1 starts at 2 m block.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
2.00	52.32	VMP	VMP	Mafic Volcanic - Pillowed Flow Classic Silver Centre pillow and massive mafic volcanics (basalt). Light to dark green, grey-green. Aphanitic. Pillow textures, minor massive flows, minor brecciated. Foliated in places. Sheared in places (with weak calcite+chlorite+/-py+/-po+/-quartz). Minor calcite veinlets (up to 1cm, vein density <1%), occasionally hosting trace to minor py, po, sphal (rarely), cpy (rarely). Rare quartz+/-py+/-hem veins, up to 1 cm wide. Trace disseminated to blebby py, po, up to 5 mm. Lower contact sharp. Lost in broken core.	E6559619	2.00	3.00	1.00		61.4		<1.0	1	105	172	124	407	27	0.24		10
					E6559620	3.00	4.00	1.00		46.5		<1.0	0	97	56	67	278	20	0.05		7
					E6559621	4.00	5.00	1.00		57.2		3.0	0	108	65	46	97	7	0.05		9
					E6559622	5.00	6.00	1.00		57.8		<1.0	0	103	97	72	123	8	0.15		8
					E6559623	6.00	7.00	1.00		48.8		<1.0	0	100	56	87	113	6	0.07		7
					E6559624	7.00	8.00	1.00		49.6		1.0	0	92	171	12	84	17	0.35		8
					E6559625	8.00	9.00	1.00		63.7		<1.0	0	111	105	15	96	7	0.23		8
					E6559627	9.00	10.00	1.00		56.9		<1.0	1	105	83	48	151	7	0.12		8
					E6559628	10.00	11.00	1.00		60.1		<1.0	0	110	55	28	141	28	0.08		8
					E6559629	11.00	12.00	1.00		56.4		6.0	0	102	57	6	74	7	0.06		10
					E6559630	12.00	13.00	1.00		56.8		1.0	0	95	108	13	74	7	0.22		8
					E6559631	13.00	14.00	1.00		65.9		1.0	0	102	95	13	112	7	0.15		9
					E6559633	14.00	15.00	1.00		62.3		<1.0	0	92	67	18	85	16	0.10		8
					E6559634	15.00	16.00	1.00		53.1		<1.0	0	93	65	8	79	8	0.10		7
					E6559635	16.00	17.00	1.00		67.2		<1.0	0	106	82	8	99	7	0.12		8
					E6559636	17.00	18.00	1.00		65.9		<1.0	0	104	98	12	91	<5	0.21		8
					E6559637	18.00	19.00	1.00		59.6		<1.0	0	118	111	11	91	<5	0.28		8
					E6559639	19.00	20.00	1.00		66.7		<1.0	0	113	115	15	146	17	0.06		9
					E6559640	20.00	21.00	1.00		62.3		<1.0	0	103	118	7	95	12	0.04		8
					E6559641	21.00	22.00	1.00		64.1		<1.0	0	103	86	115	168	24	0.15	4	8
					E6559642	22.00	23.00	1.00		58.5		<1.0	0	101	50	84	123	19	0.06		7
					E6559643	23.00	24.00	1.00		63.5		<1.0	0	102	87	42	102	26	0.08		8
					E6559644	24.00	25.00	1.00		84.6		<1.0	0	105	83	123	3720	60	0.36		21
					E6559645	25.00	26.00	1.00		65.7		<1.0	0	101	107	30	116	14	0.15		8
					E6559647	26.00	27.00	1.00		60.2		<1.0	1	105	68	19	86	14	0.05		8
					E6559648	27.00	28.00	1.00		62.5		<1.0	0	110	249	36	390	14	0.12		10
					E6559649	28.00	29.00	1.00		62.1		<1.0	0	105	100	15	80	14	0.06		8
					E6559650	29.00	30.00	1.00		64.0		<1.0	0	117	79	77	199	16	0.15		9
					E6559651	30.00	31.00	1.00		57.1		<1.0	0	108	45	18	182	15	0.08		7
					E6559653	31.00	32.00	1.00		70.3		<1.0	0	115	89	33	96	16	0.14		9
					E6559654	32.00	33.00	1.00		58.7		<1.0	0	116	97	12	101	7	0.16		8
					E6559655	33.00	34.00	1.00		56.2		<1.0	0	113	77	24	136	6	0.09		8
					E6559656	34.00	35.00	1.00		58.1		<1.0	0	109	75	25	106	6	0.14		8
					E6559657	35.00	36.00	1.00		62.5		<1.0	0	113	117	108	361	15	0.18		9
					E6559659	36.00	37.00	1.00		59.9		<1.0	0	111	92	48	96	9	0.18		8
					E6559660	37.00	38.00	1.00		57.5		<1.0	0	98	41	109	180	10	0.15		8
					E6559661	38.00	39.00	1.00		59.8		<1.0	0	112	41	35	123	17	0.16		8
					E6559662	39.00	40.00	1.00		57.8		<1.0	0	119	65	27	123	14	0.08	45	8
					E6559663	40.00	41.00	1.00		57.2		<1.0	0	108	61	26	95	8	0.10	45	7
					E6559664	41.00	42.00	1.00		62.1		<1.0	0	114	92	19	93	5	0.11	45	8
					E6559665	42.00	43.00	1.00		68.4		<1.0	0	117	258	11	108	<5	0.68	45	10
					E6559667	43.00	44.00	1.00		64.4		<1.0	1	116	156	16	98	<5	0.35	45	9

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
					E6559668	44.00	45.00	1.00		68.5		<1.0	0	112	175	9	92	<5	0.48	45	9
					E6559669	45.00	46.00	1.00		66.8		2.0	0	103	129	6	82	<5	0.33	45	9
					E6559670	46.00	47.00	1.00		62.2		<1.0	0	112	127	19	110	<5	0.28	45	8
					E6559671	47.00	48.00	1.00		60.3		<1.0	0	105	86	13	80	14	0.27	45	8
					E6559673	48.00	49.00	1.00		52.7		<1.0	0	105	101	51	123	<5	0.11	45	7
					E6559674	49.00	50.00	1.00		51.9		<1.0	0	105	122	34	110	11	0.24	45	7
					E6559675	50.00	51.00	1.00		49.7		<1.0	0	100	57	13	110	13	0.16	45	7
					E6559676	51.00	51.80	0.80		63.7		<1.0	0	110	165	24	150	20	0.29	45	9
					E6559677	51.80	52.32	0.52		47.0		<1.0	1	107	112	257	246	48	0.12	79	8
52.32	53.63	IMD	IMD	Mafic Dyke Massive, fine-grained, greenish-grey. Trace calcite veins, 1-5 mm. Trace blebby py, cpy, sphal. Sphalerite rims cpy. Sharp upper and lower contacts, cutting across foliation. Narrow chill margins.	E6559679	52.32	53.00	0.68		45.7		<1.0	0	259	70	91	123	87	0.07	100	9
					E6559680	53.00	53.63	0.63		59.3		<1.0	1	197	123	115	132	61	0.17	100	9
53.63	57.80	VMP	VMP	Mafic Volcanic - Pillowed Flow Similar to 2.0-52.32 m. Green, aphanitic, strongly foliated (at alpha = 28-30, beta = 300). Minor calcite(+/-py+/-hem+/-chl) veining, minor quartz+pyrite veining. Trace hematite along fractures, veins, shears. Lower contact sharp, intrusive, with cal-hem veinlet at contact. Hematite flooding into VMP.	E6559681	53.63	54.23	0.60		45.3		<1.0	1	117	38	23	116	34	0.15	100	6
					E6559682	54.23	55.00	0.77		32.3		<1.0	2	120	234	33	177	33	0.38	100	7
					E6559683	55.00	56.00	1.00		43.8		<1.0	1	112	81	15	102	27	0.28	100	6
					E6559684	56.00	57.00	1.00		59.7		<1.0	1	104	355	13	85	49	0.99	100	9
					E6559685	57.00	57.80	0.80		30.4		<1.0	0	92	334	<5	74	27	0.10	135	6
57.80	60.50	IFFP	IFFP,altz	Felsic fragmental/xenolithic Porphyry Green-grey and pink fine grained ground mass with white and pink feldspar phenos, minor chloritized xenoliths/fragments (sub-rounded, up to 3 cm across). Weak pervasive chlorite alteration throughout, overprinted by weak fracture-controlled pink Kspar, Kspar bleeding out from fractures into wall rock. Trace to minor very fine-grained pyrite (<1mm) dusting throughout. Minor/weak vuggy silica alteration from 59.0-60.5 m, and replacement of feldspar phenos with clay. From 58.36-59.0 m: strongly chloritized, trace disseminated py, trace calcite veinlets and flooding (looks like same IDD as 60.5-66.15 m). Minor vuggy texture (silica). In fault contact above and below with pink IFFP. Lower contact sharp. Intrusive.	E6559687	57.80	58.36	0.56		58.4		2.0	16	42	135	7	28	170	0.17	135	8
					E6559688	58.36	59.00	0.64		125.0		<1.0	5	78	9	8	102	73	0.29	135	12
					E6559689	59.00	60.00	1.00		27.9		<1.0	2	34	8	<5	35	27	0.06	135	3
					E6559690	60.00	60.50	0.50		46.6		<1.0	1	56	6	<5	86	25	0.10	135	5
60.50	66.15	IDD	IDD,altz	Intermediate Dyke Dark green, black-green, green-grey. Massive, fine-grained with minor white feldspar phenos (up to 1 mm). Moderately to strongly pervasively chloritized. Minor quartz-chl veining. Minor vuggy silica/quartz alteration (+chlorite). Minor calcite veinlets. Minor fracture-controlled pink Kspar(+/-quartz). Broken core in places. Minor healed fault gouge at 65.90-66.0m. Lower contact sharp, lost in broken core (broken from 66.05-66.15 m. Intrusive.	E6559691	60.50	61.20	0.70		92.8		<1.0	1	73	6	<5	122	41	0.18	135	10
					E6559693	61.20	62.00	0.80		424.0		<1.0	2	112	6	9	77	518	0.34	135	39
					E6559694	62.00	62.90	0.90		158.0		<1.0	1	80	9	9	101	201	0.09	135	15
					E6559695	62.90	63.80	0.90		97.1		<1.0	1	63	7	<5	96	116	0.07	135	10
					E6559696	63.80	64.70	0.90		253.0		<1.0	1	94	6	10	85	336	0.12	135	24
					E6559697	64.70	65.62	0.92		139.0		<1.0	1	382	6	<5	89	185	0.03	135	18
					E6559699	65.62	66.15	0.53		244.0		3.0	1	126	40	9	141	327	0.14	135	25

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
66.15	69.90	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Similar to 57.8-60.5 m, but much less/weaker alteration. Grey-pink and lesser green-grey fine grained ground mass with white and pink feldspar phenos, minor chloritized xenoliths/fragments (sub-rounded, up to 3 cm across). Very weak pervasive chlorite alteration throughout, overprinted by very weak fracture-controlled pink Kspar, Kspar bleeding out from fractures into wall rock. Trace fine-grained disseminated py. Rare fine-grained cpy in calcite veinlets. Lower contact sharp, cutting across fabric in VM below (IFFP is younger than foliation in VM).	E6559700	66.15	67.00	0.85		9.6		1.0	0	34	197	<5	25	11	0.03	135	3
					E6559701	67.00	68.00	1.00		21.4		<1.0	0	40	131	6	31	10	0.13	135	3
					E6559702	68.00	69.00	1.00		13.9		<1.0	0	46	74	6	33	6	0.08	113	2
					E6559703	69.00	69.90	0.90		18.2		<1.0	0	40	101	7	34	10	0.11	113	3
69.90	86.75	VM	VM	Mafic Volcanic Moderately to strongly foliated (sheared?) mafic volcanics (probably pillows, but difficult to be sure). Weakly to moderately chloritized, overprinting weak biotite. Occasional bands of volcanic breccia. Trace to minor pyrite as disseminated grains and blebs, stringers. Minor calcite veins, stringers. Very weak patchy carbonate. Rare calcite-sulphide (py > galena, cpy) veins. Rare older quartz-chlorite-pyrite veins. Lower contact gradational; grain size gradually increases, and fabric becomes more massive, but still foliated.	E6559704	69.90	71.00	1.10		36.0		<1.0	1	83	141	10	94	36	0.31	113	6
					E6559705	71.00	72.00	1.00		44.5		<1.0	0	93	62	12	95	21	0.11	113	6
					E6559707	72.00	73.00	1.00		43.1		<1.0	1	100	61	21	110	19	0.07	113	6
					E6559708	73.00	74.00	1.00		49.3		<1.0	1	104	86	54	108	22	0.11	113	7
					E6559709	74.00	75.00	1.00		55.6		<1.0	0	105	89	19	123	26	0.13	113	7
					E6559710	75.00	76.00	1.00		47.4		<1.0	1	95	32	68	138	21	0.04	113	6
					E6559711	76.00	77.00	1.00		56.6		<1.0	1	90	288	29	215	27	0.73	113	9
					E6559713	77.00	78.00	1.00		34.4		1.0	2	77	312	122	314	20	0.37	113	8
					E6559714	78.00	79.00	1.00		51.8		2.0	1	87	199	37	119	17	0.58	113	9
					E6559715	79.00	80.00	1.00		47.1		6.0	1	85	254	57	333	18	0.52	113	11
					E6559716	80.00	81.00	1.00		49.7		2.0	2	84	356	147	916	27	0.77	113	12
					E6559717	81.00	82.00	1.00		65.2		2.0	1	89	368	72	263	30	1.07	113	11
					E6559719	82.00	83.00	1.00		52.1		1.0	1	87	231	46	232	21	0.75	113	9
					E6559720	83.00	84.00	1.00		52.0		<1.0	0	90	158	111	169	12	0.30	113	8
					E6559721	84.00	85.00	1.00		44.2		<1.0	0	76	96	37	176	12	0.08	113	6
					E6559722	85.00	85.70	0.70		41.1		1.0	0	88	61	24	90	10	0.08	113	6
					E6559723	85.70	86.25	0.55	37270	52.0	23427	<1.0	0	145	25	42	113	12	0.01	14683	7
					E6559724	86.25	87.00	0.75	39357	39.9	24739	<1.0	0	145	27	17	144	7	0.02	15481	6
86.75	92.15	VMM	VMM	Mafic Volcanic - Massive Flow Grey-green to green-grey, fine to medium-grained, massive and weakly foliated, massive mafic volcanics. Fine from 86.25-86.75. Coarser (medium-grained) from 86.75-91.20 m, with minor clotty chlorite. Fine again from 91.2-92.15 m. Foliation about alpha=35 DCA. ~1% calcite (+/-py+/-chl) veining up to 2 cm wide. Minor wispy to stringer calcite veinlets. Trace py blebs and crystals, up to 2 mm.	E6559725	87.00	87.75	0.75		51.9		<1.0	0	136	32	19	137	16	0.04	87	7
					E6559727	87.75	88.70	0.95		42.0		<1.0	0	145	17	9	111	9	<0.01	87	6
					E6559728	88.70	89.20	0.50		64.5		<1.0	0	109	55	18	113	23	0.11	87	8
					E6559729	89.20	90.20	1.00		44.2		<1.0	0	135	91	33	101	19	0.11	87	7
					E6559730	90.20	91.00	0.80		51.5		<1.0	0	157	23	13	122	11	0.02	87	7
					E6559731	91.00	91.50	0.50		46.4		<1.0	0	217	27	67	110	8	0.01	87	8
					E6559733	91.50	92.15	0.65		46.2		3.0	0	268	17	14	119	<5	<0.01	87	10
92.15	97.75	VM	VM	Mafic Volcanic Similar to 69.9-86.75 m. Moderately to strongly foliated (sheared?) mafic volcanics (probably pillows, but difficult to be sure). Weakly to moderately chloritized, overprinting weak biotite. Occasional bands of volcanic breccia. Trace to minor pyrite as disseminated grains and blebs, stringers. Minor calcite veins, stringers. Sharp lower contact.	E6559734	92.15	93.00	0.85		50.8		<1.0	0	170	48	10	111	12	0.09	87	8
					E6559735	93.00	94.00	1.00		47.4		<1.0	0	93	67	22	105	13	0.10	87	6
					E6559736	94.00	95.00	1.00		50.7		<1.0	0	86	108	26	104	7	0.12	57	7
					E6559737	95.00	96.00	1.00		49.4		<1.0	0	94	95	19	93	6	0.12	57	7
					E6559739	96.00	97.00	1.00		49.3		<1.0	0	94	50	21	93	7	0.10	57	6
					E6559740	97.00	97.75	0.75		51.7		1.0	1	98	170	37	128	17	0.23	57	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
97.75	99.48	IMD	IMD	Mafic Dyke Lamprophyre (or mafic dyke). Dark grey, brownish-grey. Non- to very weakly locally magnetic. Sharp upper and lower contacts cutting across foliation in volcanics.	E6559741	97.75	98.60	0.85		44.2		<1.0	0	226	42	42	242	16	0.16	57	8
					E6559742	98.60	99.48	0.88		44.4		<1.0	0	212	27	18	123	10	0.10	57	7
99.48	100.54	VM	VM	Mafic Volcanic Same as 92.15-97.75 m. Weak biotite. Minor Kspar blebs. Minor microfaulting offsetting the Kspar blebs, oblique (dipping opposite to dip of foliation).	E6559743	99.48	100.54	1.06		51.3		1.0	0	111	74	28	112	7	0.10	57	7
100.54	101.35	IMD	IMD	Mafic Dyke Similar to 97.75-99.48 m. Minor weak Kspar patches to pervasive. Sharp upper and lower contacts cut fabric in VM.	E6559744	100.54	101.35	0.81		45.4		<1.0	0	258	69	248	263	12	0.16	57	9
101.35	104.40	VM	VM	Mafic Volcanic Similar to 99.48-100.54 m. Moderately foliated at 35 DCA. Trace quartz veins. Trace disseminated and fracture-filling pyrite.	E6559745	101.35	102.35	1.00		54.7		<1.0	0	106	62	15	79	<5	0.13	57	7
					E6559747	102.35	103.40	1.05		54.0		<1.0	1	99	96	238	97	17	0.16	57	8
					E6559748	103.40	104.40	1.00		50.1		<1.0	0	104	91	16	113	11	0.22	57	7
104.40	110.15	IMD	IMD	Mafic Dyke Similar to 97.75-99.48 m and 100.54-101.35 m. Massive to weakly foliated, dark smokey grey with occasional pinkish-grey patches (weak Kspar flooding). Minor biotite, weak to moderate chloritization. Weak calcite flooding. Non-magnetic. Trace disseminated euhedral pyrite crystals up to 2 mm. Mafic dyke, or possibly a lamprophyre?	E6559749	104.40	105.30	0.90		40.0		<1.0	0	267	149	9	197	7	0.06	57	9
					E6559750	105.30	106.30	1.00		40.5		<1.0	0	246	39	28	150	9	0.05	57	8
					E6559751	106.30	107.30	1.00		41.2		1.0	0	181	99	40	142	16	0.16	57	8
					E6559753	107.30	108.30	1.00		52.2		1.0	0	199	113	40	178	14	0.16	18	9
					E6559754	108.30	109.30	1.00		35.3		1.0	0	179	50	106	146	13	0.09	10	7
					E6559755	109.30	110.15	0.85		40.7		<1.0	0	201	88	73	249	15	0.12	70	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
110.15	132.57	VMM	VMM	Mafic Volcanic - Massive Flow	E6559756	110.15	111.00	0.85		50.0		<1.0	0	104	89	41	129	12	0.19	70	7
				Masive mafic volcanics, weakly foliated. Occasional bands of green epidotized brecciated volcanics, with chloritized matrix. Trace to minor carbonate/calcite(+/-chlorite+/-pyrite) veinlets/veins, rare Kspar, hematite. Minor (<1%) epidote-Kspar(+/-cal) veins/bands. Weakly magnetic in patches. Trace fine disseminated (within foliation and veins) pyrite.	E6559757	111.00	112.00	1.00		55.0		<1.0	1	94	122	81	171	15	0.27	70	8
					E6559759	112.00	113.00	1.00		47.1		<1.0	0	98	80	20	100	5	0.13	70	6
					E6559760	113.00	114.00	1.00		50.7		<1.0	0	98	99	7	91	<5	0.16	70	7
					E6559761	114.00	115.00	1.00		46.9		<1.0	0	90	106	16	90	<5	0.15	70	6
					E6559762	115.00	116.00	1.00		51.9		<1.0	0	124	116	12	116	8	0.23	70	7
					E6559763	116.00	117.00	1.00		43.2		<1.0	0	96	85	6	96	<5	0.17	70	6
					E6559764	117.00	118.00	1.00		45.1		6.0	0	94	138	11	87	7	0.24	70	9
					E6559765	118.00	119.00	1.00		56.9		<1.0	1	148	56	31	90	31	0.30	70	8
					E6559767	119.00	119.50	0.50		52.2		<1.0	1	151	230	20	144	43	0.36	70	9
					E6559768	119.50	120.50	1.00		47.3		<1.0	0	97	78	43	116	10	0.17	70	6
					E6559769	120.50	121.50	1.00		50.8		<1.0	0	99	136	15	103	<5	0.09	70	7
					E6559770	121.50	122.50	1.00		54.6		<1.0	0	102	87	25	149	6	0.18	70	7
					E6559771	122.50	123.50	1.00		49.5		<1.0	0	133	122	169	250	8	0.23	70	8
					E6559773	123.50	124.50	1.00		47.1		<1.0	0	147	98	145	235	6	0.18	70	8
					E6559774	124.50	125.50	1.00		35.8		<1.0	0	59	90	18	99	<5	0.16	70	5
					E6559775	125.50	126.50	1.00		48.0		<1.0	0	95	69	22	108	<5	0.14	70	6
					E6559776	126.50	127.50	1.00		56.4		<1.0	0	99	139	26	112	7	0.24	70	8
					E6559777	127.50	128.50	1.00		49.5		1.0	0	96	99	58	241	11	0.22	70	8
					E6559779	128.50	129.50	1.00		37.5		<1.0	0	84	164	591	3140	9	0.29	70	17
					E6559780	129.50	130.50	1.00		36.4		<1.0	0	70	38	105	218	14	0.23	70	5
					E6559781	130.50	131.50	1.00		49.2		4.0	0	99	114	23	115	7	0.15	70	9
					E6559782	131.50	132.57	1.07		49.3		1.0	0	87	87	10	84	<5	0.16	70	7
132.57	133.65	IMLAM	LMP	Lamprophyre	E6559783	132.57	133.65	1.08		25.1		<1.0	0	20	64	14	67	<5	0.08	70	3
				Dark grey, fine-grained biotite (weakly chloritized). Weak pervasive calcite flooding. Sharp upper and lower contacts.																	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
133.65	152.00	VM	VM	Mafic Volcanic	E6559784	133.65	134.30	0.65		32.5		1.0	0	58	220	273	5120	<5	0.34	70	22
				Classic Silver Centre mafic volcanics (mixed flows, pillows, breccia). Aphanitic, dark green, brown, dark grey, overprinted by light green wisps, bands, patches, mottles (weak albite-epidote?). Minor breccia. Weakly foliated (at 35 to 40 DCA). Weak biotite, overprinted by weak chlorite and calcite wisps, stringers. Minor calcite (+/- py, po). Trace to minor disseminated and foliation parallel py+po.	E6559785	134.30	135.00	0.70		48.8		<1.0	0	95	74	23	132	8	0.13	70	7
					E6559787	135.00	136.00	1.00		50.7		<1.0	0	96	44	22	94	5	0.07	70	6
					E6559788	136.00	137.00	1.00		46.8		3.0	0	95	64	46	102	<5	0.15	70	8
					E6559789	137.00	138.00	1.00		48.1		<1.0	0	95	34	33	100	<5	0.10	70	6
					E6559790	138.00	139.00	1.00		48.7		<1.0	0	84	42	14	87	<5	0.05	70	6
					E6559791	139.00	140.00	1.00		56.8		1.0	0	89	75	21	103	<5	0.14	70	8
					E6559793	140.00	141.00	1.00		88.6		2.0	1	90	61	220	379	199	0.28	70	12
					E6559794	141.00	142.00	1.00		59.7		2.0	0	102	283	31	85	9	0.82	70	10
					E6559795	142.00	143.00	1.00		58.3		3.0	0	83	411	42	102	<5	1.08	70	11
					E6559796	143.00	144.00	1.00		60.3		<1.0	0	86	127	41	108	<5	0.29	70	8
					E6559797	144.00	145.00	1.00		58.4		<1.0	0	95	76	19	83	<5	0.12	70	7
					E6559799	145.00	146.00	1.00		70.7		<1.0	0	78	338	7	78	<5	0.57	70	10
					E6559800	146.00	147.00	1.00		54.7		<1.0	0	86	83	5	75	<5	0.10	91	7
					E6559801	147.00	148.00	1.00		50.3		<1.0	0	175	80	8	82	<5	<0.01	95	8
					E6559802	148.00	149.00	1.00		59.5		<1.0	0	88	94	8	85	<5	0.06	95	7
					E6559803	149.00	150.00	1.00		54.8		<1.0	0	76	92	7	81	<5	0.08	95	7
					E6559804	150.00	151.00	1.00		53.2		2.0	0	85	85	6	81	<5	0.09	95	8
					E6559805	151.00	152.00	1.00		51.9		<1.0	0	84	32	<5	83	<5	<0.01	82	6
152.00	152.00	EOH	EOH	End of Hole																	
	152.00	EOH		End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
0.00	2.00	2.00						overburden
2.00	5.00		2.92					REG TECH
5.00	8.00		3.06					"
8.00	11.00		3.02					
11.00	14.00		3.03					
14.00	17.00		2.99					REG TECH
17.00	20.00		2.96					"
20.00	23.00		3.01					"
23.00	26.00		3.07					"
26.00	29.00		2.95					"
29.00	32.00		3.10					"
32.00	35.00		2.88					"
35.00	38.00		3.02					"
38.00	41.00		3.01					"
41.00	44.00		3.02					"
44.00	47.00		3.02					"
47.00	50.00		2.95					"
50.00	53.00		3.02					"
53.00	56.00		3.01					
56.00	59.00		2.99					
59.00	62.00		2.97					
62.00	65.00		3.03					
65.00	68.00		2.76					
68.00	71.00		3.03					
71.00	74.00		2.97					
74.00	77.00		2.99					
77.00	80.00		3.10					REG TECH
80.00	83.00		3.02					"
83.00	86.00		2.80					"
86.00	89.00		3.20					"
89.00	92.00		3.08					"
92.00	95.00		2.96					"
95.00	98.00		3.19					"
98.00	101.00		3.04					"
101.00	104.00		2.98					"
104.00	107.00		2.97					"
107.00	110.00		3.03					"
110.00	113.00		3.00					"
113.00	116.00		2.99					"
116.00	119.00		3.01					"
119.00	122.00		3.04					"
122.00	125.00		2.98					"
125.00	128.00		3.07					"

128.00	131.00	3.06	"
131.00	134.00	3.00	"
134.00	137.00	2.97	"
137.00	140.00	3.02	"
140.00	143.00	2.98	"
143.00	146.00	3.01	"
146.00	149.00	3.01	"
149.00	152.00	3.03	EOH

Cobalt North Project

Drill Log FCC-18-0047

COLLAR INFORMATION

Easting: 612,838.02 m **Azimuth:** 226.00°
Northing: 5,228,838.72 m **Dip:** -50.30°
Elevation: 309.82 m **Length:** 152.00 m
Target: Testing NW Pyrite fault

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	226.0°	226.0°	-50.3°	Collar
12.00	238.5°	226.0°	-50.4°	EZ-Trac
50.00	237.7°	225.2°	-49.9°	EZ-Trac
101.00	239.2°	226.7°	-49.4°	EZ-Trac
152.00	239.3°	226.8°	-48.6°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Drilling	0.0	152.0	Laframboise Drilling	2018-Apr-22	Apr-23	
Geotech - Basic	2.0	152.0	Ebison Eldho	2018-Apr-26	Apr-27	
Core Logging	0.0	152.0	Jerry Grant	2018-May-04	May-05	
Core Logging	0.9	152.0	Jerry Grant	2018-May-04	May-05	

Comments:

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
0.90	7.07	VMP	VMP	Mafic Volcanic - Pillowed Flow Typical pillowed mafic volcanic rock, with meandering selvages, local hyaloclastite and very rare amygdules in a dark grey-green, fine-grained mafic rock. Trace to minor pyrite and pyrrhotite, largely in the selvages. There is a good chance the diabase intervals below are massive flows - the unit at 44.10 - 45.23 seems to have flow-top breccia intruded by small lava tubes at the lower contact (tops down-hole?). I will wait to see what the chemistry says...	E6561197	0.90	2.00	1.10		61.3		1.0	2	113	503	70	281	25	0.78		12
					E6561199	2.00	3.00	1.00		71.8		<1.0	1	123	404	53	364	24	1.13		12
					E6561200	3.00	4.00	1.00		78.8		<1.0	2	122	366	40	131	23	1.23		12
					E6562601	4.00	5.00	1.00		56.6		<1.0	1	103	217	20	111	7	0.75		8
					E6562602	5.00	6.00	1.00		58.5		2.0	0	79	221	15	113	6	0.61		9
					E6562603	6.00	7.07	1.07		51.3		<1.0	0	60	138	6	83	<5	0.20		7
7.07	10.48	IMDHW	DHW	Hangingwall Nipissing Fine-grained, dark grey-green massive diabase or, I suppose, the core of a large pillow or massive flow. Very rare patches of pyrrhotite. Upper contact at 70 dca; lower contact at 40 dca.	E6562604	7.07	8.00	0.93		49.4		<1.0	1	54	155	14	119	<5	0.19		7
					E6562605	8.00	9.00	1.00		47.6		5.0	0	52	105	6	102	5	0.16		8
					E6562607	9.00	10.00	1.00		51.5		1.0	2	54	473	87	156	32	0.23		10
10.48	11.00	VMP	VMP	Mafic Volcanic - Pillowed Flow As above.	E6562608	10.00	11.00	1.00		45.1		<1.0	0	57	96	7	102	10	0.19		6
11.00	17.10	IMDHW	DHW	Hangingwall Nipissing As above. Upper contact obscure; lower contact at 40 dca. 15.12: Driller's block: "Block"	E6562609	11.00	12.00	1.00		47.7		<1.0	1	55	115	39	173	15	0.27		6
					E6562610	12.00	13.00	1.00		39.8		<1.0	1	46	126	20	80	30	0.32		5
					E6562611	13.00	14.00	1.00		43.9		<1.0	1	50	171	20	111	21	0.25		6
					E6562613	14.00	15.00	1.00		48.5		<1.0	1	52	124	13	151	20	0.29		6
					E6562614	15.00	16.00	1.00		47.5		5.0	0	53	112	13	105	19	0.33		8
					E6562615	16.00	17.10	1.10		51.0		<1.0	0	60	112	11	102	21	0.29		6
17.10	20.60	VMP	VMP	Mafic Volcanic - Pillowed Flow As above	E6562616	17.10	18.00	0.90		51.8		<1.0	0	62	107	13	113	13	0.22		7
					E6562617	18.00	19.00	1.00		45.8		<1.0	1	50	145	12	75	23	0.32		6
					E6562619	19.00	20.00	1.00		44.7		<1.0	1	53	156	21	106	23	0.24		6
					E6562620	20.00	21.00	1.00		47.8		<1.0	1	59	269	32	109	46	0.25		7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
20.60	25.03	IMDHW	DHW	Hangingwall Nipissing As above. Upper contact at 15 dca; lower contact at 25 dca. 23.95: Driller's block: "Block"	E6562621	21.00	22.00	1.00		49.6		<1.0	0	53	122	8	94	17	0.13		6
					E6562622	22.00	23.00	1.00		51.2		<1.0	0	65	135	6	104	13	0.20		7
					E6562623	23.00	24.00	1.00		49.9		<1.0	0	52	101	7	103	18	0.13		6
					E6562624	24.00	25.03	1.03		47.9		1.0	1	51	77	16	101	32	0.11		6
25.03	40.22	VMP	VMP	Mafic Volcanic - Pillowed Flow As above.	E6562625	25.03	26.00	0.97		62.3		1.0	2	54	150	74	89	54	0.09		8
					E6562627	26.00	27.00	1.00		54.7		<1.0	1	62	104	29	96	22	0.26		7
					E6562628	27.00	28.00	1.00		59.1		<1.0	0	61	173	16	112	12	0.67		8
					E6562629	28.00	29.00	1.00		57.1		<1.0	0	79	126	6	103	<5	0.36		7
					E6562630	29.00	30.00	1.00		54.1		<1.0	0	65	188	<5	92	<5	0.57		7
					E6562631	30.00	31.00	1.00		62.0		<1.0	0	70	212	11	92	<5	0.56		8
					E6562633	31.00	32.00	1.00		56.3		<1.0	0	69	92	<5	83	<5	0.30		7
					E6562634	32.00	33.00	1.00		60.3		<1.0	0	65	219	59	105	<5	0.59		8
					E6562635	33.00	34.00	1.00		52.5		<1.0	0	64	157	53	346	<5	0.49		8
					E6562636	34.00	35.00	1.00		53.7		<1.0	0	61	176	5	99	<5	0.60		7
					E6562637	35.00	36.00	1.00		53.4		<1.0	0	64	210	5	94	<5	0.71		7
					E6562639	36.00	37.00	1.00		51.6		<1.0	0	54	223	5	93	<5	0.90		7
					E6562640	37.00	38.00	1.00		51.4		<1.0	0	61	196	<5	85	<5	0.71		7
					E6562641	38.00	39.00	1.00		61.4		<1.0	1	64	354	6	91	<5	1.17		9
E6562642	39.00	40.00	1.00		58.2		<1.0	0	63	374	7	92	<5	1.25	45	9					
E6562643	40.00	41.00	1.00		55.3		<1.0	0	67	161	10	84	<5	0.57	45	7					
40.74	41.42	VMP	VMP	Mafic Volcanic - Pillowed Flow A above.	E6562644	41.00	42.00	1.00		53.3		<1.0	0	176	116	47	153	9	0.36	45	8
41.42	44.10	IMLAM	LMP	Lamprophyre Typical lamprophyre with a mafic xenolith at 43.57-43.75.	E6562645	42.00	43.00	1.00		48.8		<1.0	0	254	50	64	139	6	<0.01	45	9
					E6562647	43.00	44.00	1.00		43.9		<1.0	1	272	123	92	650	<5	0.11	45	11
					E6562648	44.00	45.00	1.00		49.9		<1.0	0	192	107	11	121	8	0.13	45	8
44.10	45.23	IMDHW	DHW	Hangingwall Nipissing As , but consistently fine-grained. The first half metre of the mafic volcanic below has small pillows in hyaloclastite, perhaps a flow-top.	E6562649	45.00	46.00	1.00		52.0		<1.0	0	79	110	12	111	8	0.14	45	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
45.23	67.95	VMP	VMP	Mafic Volcanic - Pillowed Flow	E6562650	46.00	47.00	1.00		54.9		<1.0	0	72	78	8	92	7	0.12	45	7
				As above.	E6562651	47.00	48.00	1.00		51.4		1.0	0	75	85	18	112	7	0.10	45	7
				49.60: Driller's block "Block".	E6562653	48.00	49.00	1.00		43.9		<1.0	0	70	163	239	153	9	0.06	45	7
					E6562654	49.00	50.00	1.00		47.8		<1.0	0	113	86	42	135	7	0.04	45	7
					E6562655	50.00	51.00	1.00		55.8		<1.0	0	69	83	18	98	<5	0.11	45	7
					E6562656	51.00	52.00	1.00		55.3		<1.0	0	71	80	6	95	<5	0.06	45	7
					E6562657	52.00	53.00	1.00		54.6		<1.0	0	69	91	10	93	<5	0.11	100	7
					E6562659	53.00	54.00	1.00		54.3		<1.0	0	68	83	18	99	<5	0.07	100	7
					E6562660	54.00	55.00	1.00		56.0		<1.0	0	74	73	19	105	<5	0.10	100	7
					E6562661	55.00	56.00	1.00		46.4		<1.0	1	72	96	1550	1430	18	0.30	100	14
					E6562662	56.00	57.00	1.00		47.7		<1.0	0	70	71	194	172	6	0.20	100	7
					E6562663	57.00	58.00	1.00		59.5		<1.0	0	81	100	115	171	11	0.22	135	8
					E6562664	58.00	59.00	1.00		58.0		<1.0	0	71	202	21	140	<5	0.19	135	8
					E6562665	59.00	60.00	1.00		57.4		<1.0	0	71	93	7	93	<5	0.13	135	7
					E6562667	60.00	61.00	1.00		55.9		<1.0	0	70	90	7	109	<5	0.12	135	7
					E6562668	61.00	62.00	1.00		62.3		<1.0	0	82	131	6	97	<5	0.24	135	8
					E6562669	62.00	63.00	1.00		56.1		<1.0	0	74	126	<5	90	<5	0.20	135	7
					E6562670	63.00	64.00	1.00		54.3		<1.0	0	67	97	6	121	<5	0.07	135	7
					E6562671	64.00	65.00	1.00		53.1		<1.0	0	71	71	<5	96	<5	0.07	135	6
					E6562673	65.00	66.00	1.00		54.5		<1.0	0	71	64	<5	91	<5	0.09	135	7
					E6562674	66.00	67.00	1.00		52.7		<1.0	0	71	97	8	88	<5	0.19	135	7
					E6562675	67.00	68.00	1.00		55.6		<1.0	0	76	178	<5	104	<5	0.68	135	7
67.95	70.52	VMBX	VMBX	Mafic Volcanic - Hyaloclastite	E6562676	68.00	69.00	1.00		52.9		<1.0	1	63	203	5	114	<5	0.95	113	7
				Elongate fragments, averaging 1 x 5 cm, with ragged terminations and various shades of light to medium grey.	E6562677	69.00	70.00	1.00		61.0		<1.0	0	73	172	6	111	<5	0.47	113	8
				Minor pyrite and pyrrhotite.	E6562679	70.00	70.52	0.52		52.9		<1.0	0	83	120	13	103	<5	0.09	113	7
70.52	71.80	IMD	LGAB,ser	Sericitised leucogabbro	E6562680	70.52	71.20	0.68		67.2		<1.0	0	805	38	17	316	20	0.14	113	18
				The rock is a sericite >> chlorite schist on the broken surface, but preserves vague, 1 mm plagioclase outlines on the drilled surface. The protolith is identified only on the sericite/chlorite ratio, the sharp contacts and the preserved texture, which is assumed to be igneous. The lack of alteration in the adjacent mafic rocks is, however, difficult to reconcile.	E6562681	71.20	71.80	0.60		62.3		<1.0	0	909	24	33	217	12	0.01	113	19
71.80	75.17	VMBX	VMBX	Mafic Volcanic - Hyaloclastite	E6562682	71.80	72.90	1.10		58.3		2.0	0	104	197	20	112	9	0.91	113	9
				Mostly hyaloclastite as above, with some small pillows. 0.2% pyrrhotite and pyrite.	E6562683	72.90	74.00	1.10		64.3		2.0	1	81	452	5	99	35	1.63	113	11
				The lower 30 cm is increasingly jumbled towards the breccia below, and so is somewhat arbitrary.	E6562684	74.00	75.17	1.17		57.6		1.0	1	88	391	8	105	22	1.31	113	10

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
75.17	75.85	BXZ	BXZ	Breccia Zone The rock is an angular breccia of <= 2 cm mafic and lesser carbonate fragments in a well-innured carbonate-rock flour matrix, one round, 15 cm leucogabbro fragment at its core. No sulphides.	E6562685	75.17	75.85	0.68		78.9		<1.0	1	145	413	<5	122	41	0.98	113	12	
75.85	76.05	GOUGE	GOUGE	Gouge Grey-green, angular, pasty, friable gouge.																		
76.05	76.21	BXZ	BXZ	Breccia Zone As above, but lacking the carbonate fragments.	E6562687	75.85	76.30	0.45		91.4		<1.0	4	547	224	11	239	341	0.11	113	18	
76.21	77.33	IMD	LGAB,ser	Sericitised leucogabbro As 70.52 - 71.80 m. 76.21-76.77: The leucogabbro consists of rotated fragments, packed without significant infill, except for a 1 cm band resembling the breccia above.	E6562688	76.30	76.77	0.47		112.0		<1.0	1	874	30	<5	164	634	0.22	113	23	
					E6562689	76.77	77.35	0.58		105.0		<1.0	0	869	13	<5	141	558	0.21	113	22	
77.33	80.87	VMP	VMP	Mafic Volcanic - Pillowed Flow Typical pillows, but devoid of sulphide.	E6562690	77.35	78.15	0.80		73.8		<1.0	0	128	104	<5	94	31	0.48	113	9	
					E6562691	78.15	79.00	0.85		56.7		<1.0	0	100	84	<5	90	12	0.12	113	7	
					E6562693	79.00	80.00	1.00		55.5		<1.0	0	99	56	<5	87	<5	0.05	113	7	
					E6562694	80.00	81.00	1.00		52.6		<1.0	0	84	123	6	78	5	0.21	113	7	
80.87	82.45	IMD	DIOR	"Diorite" This appears to be a late, multiphase mafic dyke. I am calling it Diorite only because acicular hornblende to 0.5x3.0 mm is the dominant mafic mineral. Otherwise, the rock is texturally similar to diabase. The contacts are sharp at 50 dca. 81.38 - 81.78: A second phase of the dyke material cuts the first with chilled margins which are also at 50 dca.	E6562695	81.00	82.00	1.00		30.7		<1.0	0	22	61	10	61	<5	0.10	113	4	
					E6562696	82.00	83.00	1.00		45.0		<1.0	0	69	70	14	90	<5	0.08	113	6	
82.45	93.24	VMP	VMP	Mafic Volcanic - Pillowed Flow Typical pillows. Little or no sulphide.	E6562697	83.00	84.00	1.00		56.7		<1.0	0	105	104	<5	91	<5	0.09	113	7	
					E6562699	84.00	85.00	1.00		60.4		<1.0	0	105	104	6	98	<5	0.17	113	8	
					E6562700	85.00	86.00	1.00		62.4		<1.0	0	110	64	9	104	<5	0.24	99	8	
					E6562701	86.00	87.00	1.00	50016	50.3	31439	<1.0	0	99	73	9	120	<5	0.10	19666	7	
					E6562702	87.00	88.00	1.00		55.1		<1.0	0	63	99	23	125	<5	0.23	87	7	
					E6562703	88.00	89.00	1.00		47.7		<1.0	0	55	73	6	84	<5	0.15	87	6	
					E6562704	89.00	90.00	1.00		49.8		<1.0	0	53	95	<5	90	<5	0.14	87	6	
					E6562705	90.00	91.00	1.00		49.4		<1.0	0	54	61	<5	85	<5	0.08	87	6	
					E6562707	91.00	92.00	1.00		50.5		<1.0	0	54	89	7	93	<5	0.14	87	6	
					E6562708	92.00	93.24	1.24		48.2		<1.0	0	54	107	34	120	9	0.19	87	6	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
93.24	107.48	IMLAM	LMP	Lamprophyre Typical lamprophyre. The contacts are at 40 dcaq, and chilled over decimetres. In contrast, the contacts against a hyaloclastite xenolith at 96.24-96.47 are chilled over centimetres. The xenolith has minor sulphides. Scattered 1-2 cm xenoliths past 100.40 m.	E6562709	93.24	94.00	0.76		43.2		<1.0	0	235	54	18	125	19	0.11	87	8	
					E6562710	95.97	96.47	0.50		44.6		<1.0	0	280	201	10	232	12	0.09	57	10	
					E6562711	96.47	97.10	0.63		88.6		<1.0	0	130	286	7	102	30	0.71	57	12	
					E6562713	97.10	98.00	0.90		48.6		<1.0	0	265	46	8	118	8	0.16	57	9	
					E6562714	106.77	107.48	0.71		43.8		<1.0	0	278	61	6	119	7	0.09	57	8	
107.48	109.12	VMM	VMM	Mafic Volcanic - Massive Flow Massive, fine-grained mafic rock with little internal texture but does not coarsen.	E6562715	107.48	108.40	0.92		44.1		<1.0	0	108	108	10	109	8	0.13	8	6	
					E6562716	108.40	109.12	0.72		44.0		<1.0	0	98	104	7	124	18	0.24		6	
109.12	109.24	BXZ	BXZ	Breccia Zone 50% fine mafic fragments to 2 cm in a groundmass of fine, black chlorite.																		
109.24	109.30	VEIN	VEIN	Quartz-Carbonate Vein, no sulphides Coarse carbonate and quartz, with the carbonate largely removed by groundwater. Some chlorite patches to 1.5 cm.	E6562717	109.12	109.45	0.33		29.7		<1.0	1	101	636	101	142	7	0.09	62	9	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
109.30	143.00	VMM	VMM	Mafic Volcanic - Massive Flow	E6562719	109.45	110.00	0.55		42.2		<1.0	0	152	23	6	120	8	0.09	70	6	
				Very large pillows or massive flows. A few amygdules and very widely spaced selvages. Locally up to 0.5% pyrite and/or pyrrhotite.	E6562720	110.00	111.00	1.00		48.7		<1.0	0	104	50	14	90	7	0.02	70	6	
					E6562721	111.00	112.00	1.00		52.5		<1.0	0	102	81	16	91	<5	0.09	70	7	
					E6562722	112.00	113.00	1.00		65.0		<1.0	0	119	151	6	83	<5	0.31	70	9	
				109.48-109.775: Surprisingly coarse (up to 2 mm) diabase for such a narrow dyke. Almost no chills. The contacts are roughly parallel, at 30 dca.	E6562723	113.00	114.00	1.00		58.9		<1.0	0	103	89	10	89	<5	0.16	70	8	
					E6562724	114.00	115.00	1.00		66.4		<1.0	0	114	177	<5	80	<5	0.52	70	9	
					E6562725	115.00	116.00	1.00		53.8		<1.0	0	123	69	6	80	<5	0.11	70	7	
				118.00-122.00: There seems to be a general alignment of selvages, etc., at 40 dca. Pobably flattening but there is no obvious foliation.	E6562727	116.00	117.00	1.00		52.3		<1.0	0	113	63	10	76	<5	0.05	70	7	
					E6562728	117.00	118.00	1.00		48.7		<1.0	0	102	79	7	78	<5	0.08	70	6	
					E6562729	118.00	119.00	1.00		58.3		<1.0	0	108	125	44	258	<5	0.23	70	8	
				132.00-135.50: Possible sediment. Light green, hazy, parallel bands of alteration to 1 cm turn from 15 dca to parallel to the core axes and back to 20 dca. There are a few alteration bands that cross between the parallel bands, but the overall effect resembles alteration along bedding planes.	E6562730	119.00	120.00	1.00		62.8		<1.0	0	114	102	5	83	<5	0.27	70	8	
					E6562731	120.00	121.00	1.00		60.3		<1.0	0	114	89	5	71	<5	0.25	70	8	
					E6562733	121.00	122.00	1.00		53.7		<1.0	0	100	85	<5	70	<5	0.16	70	7	
					E6562734	122.00	123.00	1.00		57.8		<1.0	0	101	148	<5	73	<5	0.49	70	8	
				142.60-143.00: Irregular chloritic breccia with blaeaching along the contact, and a feww 1 mm carb veins similar to those in the following interval.	E6562735	123.00	124.00	1.00		63.5		<1.0	0	93	112	6	72	<5	0.75	70	8	
					E6562736	124.00	125.00	1.00		49.3		<1.0	0	91	54	6	63	<5	0.08	70	6	
					E6562737	125.00	126.00	1.00		59.1		<1.0	0	92	326	<5	67	<5	0.89	70	9	
					E6562739	126.00	127.00	1.00		51.2		<1.0	0	90	68	<5	95	<5	0.12	70	7	
					E6562740	127.00	128.00	1.00		51.2		<1.0	0	98	67	10	72	<5	0.17	70	7	
					E6562741	128.00	129.00	1.00		50.7		<1.0	0	91	109	6	72	<5	0.20	70	7	
					E6562742	129.00	130.00	1.00		48.4		<1.0	0	85	79	9	79	<5	0.27	70	6	
					E6562743	130.00	131.00	1.00		41.9		<1.0	0	76	132	6	70	<5	0.27	70	6	
					E6562744	131.00	132.00	1.00		44.6		<1.0	0	86	99	5	92	<5	0.19	70	6	
					E6562745	132.00	133.00	1.00		54.5		<1.0	0	104	67	8	72	<5	0.31	70	7	
					E6562747	133.00	134.00	1.00		60.4		<1.0	0	107	81	<5	70	<5	0.09	70	8	
					E6562748	134.00	135.00	1.00		61.5		<1.0	0	107	107	18	72	<5	0.20	70	8	
					E6562749	135.00	136.00	1.00		51.8		<1.0	0	95	61	5	76	<5	0.14	70	7	
					E6562750	136.00	137.00	1.00		50.8		<1.0	0	91	79	<5	68	<5	0.17	70	6	
					E6562751	137.00	138.00	1.00		50.9		<1.0	0	90	126	6	73	<5	0.33	70	7	
					E6562752	138.00	139.00	1.00		47.7		<1.0	0	90	79	<5	70	<5	0.19	70	6	
					E6562753	139.00	140.00	1.00		51.5		<1.0	0	92	91	<5	73	<5	0.22	70	7	
					E6562754	140.00	141.00	1.00		49.0		<1.0	0	92	59	6	72	<5	0.07	70	6	
					E6562755	141.00	142.00	1.00		43.3		<1.0	0	84	83	32	90	22	0.12	70	6	
					E6562756	142.00	143.00	1.00		56.8		<1.0	1	107	212	174	357	70	0.33	70	9	
143.00	143.40	BXZ	BXZ	Breccia Zone cut by carbonate veins. Minor Co	E6562757	143.00	143.40	0.40		242.0		3.0	9	83	206	28	106	2110	0.10	70	26	
				The brecciation at the end of the previous interval becomes stronger, affecting 50% of this interval. More significant, though, is a series of sharp, fairly straight carbonate veins at vaious but high angles to the core axis. One of these, a 1 cm creamy white carbonate vein at 143.10 m has sporadic patches of cobaltite up to 3 mm thick along the downhole vein margin.																		

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
143.40	152.00	VMM	VMM	Mafic Volcanic - Massive Flow	E6562759	143.40	144.00	0.60		57.1		<1.0	1	94	204	63	127	115	0.49	70	8
				As above. Some part of the core barrel has left marks along the core which could be misconstrued as bedding. These marks disappear on wet core.	E6562760	144.00	145.00	1.00		58.4		<1.0	1	91	102	9	80	10	0.19	70	7
					E6562761	145.00	146.00	1.00		52.1		<1.0	0	98	72	10	128	8	0.25	70	7
					E6562762	146.00	147.00	1.00		45.9		<1.0	0	94	143	6	73	<5	0.34	91	7
				143.60-143.80: Another band of the breccia with scattered pyrite patches.	E6562763	147.00	148.00	1.00		47.4		<1.0	0	98	59	12	73	<5	0.16	95	6
					E6562764	148.00	149.00	1.00		50.1		<1.0	0	99	143	40	94	25	0.35	95	7
				152.00: EOH	E6562765	149.00	150.00	1.00		45.8		<1.0	0	92	67	12	88	<5	0.13	95	6
					E6562767	150.00	151.00	1.00		47.1		<1.0	0	99	72	22	163	<5	0.09	95	7
					E6562768	151.00	152.00	1.00		48.4		<1.0	0	96	69	17	105	<5	0.12	82	6
152.00	EOH			End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	3.02					NORMAL TECH
5.00	8.00		3.08					NORMAL TECH
8.00	11.00		3.02					NORMAL TECH
11.00	14.00		3.04					NORMAL TECH
14.00	17.00		3.04					ORIENT TECH
17.00	20.00		2.75					
20.00	23.00		3.05					
23.00	26.00		2.96					HIGH RORC IN NEXT RU
26.00	29.00		3.10					HIGH RORC IN NEXT RU
29.00	32.00		2.98					HIGH RORC
32.00	35.00		3.04					HIGH RORC
35.00	38.00		2.96					
38.00	41.00		3.06					
41.00	44.00		2.90					
44.00	47.00		2.99					REGULAR TECH STARTS
47.00	50.00		3.04					
50.00	53.00		3.11					
53.00	56.00		3.08					
56.00	59.00		3.12					
59.00	62.00		2.75					
62.00	65.00		2.93					
65.00	68.00		3.05					ORIENT TECH STARTS
68.00	71.00		2.96					
71.00	74.00		3.02					
74.00	77.00		3.00					
77.00	80.00		3.06					
80.00	83.00		2.92					REGULAR TECH STARTS
83.00	86.00		3.10					
86.00	89.00		3.10					
89.00	92.00		3.04					
92.00	95.00		2.98					
95.00	98.00		3.37					
98.00	101.00		2.95					
101.00	104.00		3.00					
104.00	107.00		2.95					ORIENT TECH STARTS
107.00	110.00		3.04					
110.00	113.00		2.98					
113.00	116.00		3.03					
116.00	119.00		3.02					REGULAR TECH
119.00	122.00		2.99					ORIENT TECH STARTS
122.00	125.00		2.99					
125.00	128.00		2.99					
128.00	131.00		2.98					

131.00	134.00	2.92
134.00	137.00	3.10
137.00	140.00	3.00
140.00	143.00	2.91
143.00	146.00	3.08
146.00	149.00	2.99
149.00	152.00	3.03

EOH

Cobalt North Project

Drill Log FCC-18-0048

COLLAR INFORMATION

Easting: 612,881.58 m **Azimuth:** 226.20°
Northing: 5,228,745.08 m **Dip:** -45.50°
Elevation: 316.87 m **Length:** 200.00 m
Target: Testing Dave's interpreted NW fault

Comments: Intersected Archean (?) ductile shear zone (97-99.3m), followed by mafic volcanic breccia zone or mass flow deposit. NW fault extension is a suspected reactivated Archean shear zone - potential for further mineralization near Tooth Lake where the shear zone may continue??

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	226.2°	226.2°	-45.5°	Collar
17.00	238.7°	226.2°	-44.8°	EZ-Trac
50.00	238.6°	226.1°	-44.4°	EZ-Trac
100.00	239.1°	226.6°	-43.5°	EZ-Trac
150.00	239.7°	227.2°	-43.0°	EZ-Trac
200.00	240.6°	228.1°	-42.4°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Drilling	0.0	200.0	Laframboise Drilling	2018-May-01	May-02	
Geotech - Basic	2.0	200.0	Dave Lamontagne	2018-May-02	May-03	
Core Logging	0.0	200.0	Dave Lewis	2018-May-08	May-09	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.20	CAS	CAS	Casing
1.20	6.60	VMP	VMP	Mafic Volcanic - Pillowed Flow Mafic pillowed flow, compressed. Pillow selvages are epidotized and carbonatized.
6.60	7.10	FLTZ	FLTZ	Fault Zone Faulted mafic volcanics. Interval is hematite and epidote altered. Strongly compressed volcanics with strong to intense fabric. Contact between pillowed and massive flow.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
E6561645	1.20	2.00	0.80		47.3		<1.0	0	109	89	20	122	29	0.10	0	7
E6561647	2.00	3.00	1.00		53.8		<1.0	0	108	127	69	210	36	0.14	0	8
E6561648	3.00	4.00	1.00		69.2		<1.0	1	124	239	95	186	86	0.75	0	10
E6561649	4.00	5.00	1.00		54.1		<1.0	0	103	70	61	187	49	0.10	0	7
E6561650	5.00	6.00	1.00		54.4		<1.0	0	110	208	61	161	41	0.21	0	8
E6561651	6.00	6.60	0.60		53.4		<1.0	0	114	106	148	154	40	0.15	0	8
E6561653	6.60	7.10	0.50		38.6		1.0	1	91	320	1240	191	32	0.10		11

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
7.10	18.36	VMM	VMM	Mafic Volcanic - Massive Flow Mafic massive volcanic flow. Sheared upper and lower contacts. Internally homogeneous with intervals of large epidote clots (10-20 cm wide). F-MG. Minor felsic dike between 18.1 - 18.36m	E6561654	7.10	8.00	0.90		46.8		<1.0	0	101	86	150	139	33	0.05	0	7
					E6561655	8.00	9.00	1.00		54.6		<1.0	0	111	126	20	111	25	0.10	0	8
					E6561656	9.00	10.00	1.00		51.2		<1.0	0	106	125	20	109	20	0.13	0	7
					E6561657	10.00	11.00	1.00		54.4		<1.0	0	105	123	20	114	24	0.13	0	7
					E6561659	11.00	12.00	1.00		46.2		<1.0	0	101	144	16	109	18	0.13	0	7
					E6561660	12.00	13.00	1.00		54.7		<1.0	0	95	88	17	109	17	0.06	0	7
					E6561661	13.00	14.00	1.00		48.9		<1.0	0	101	125	9	107	12	0.03	0	7
					E6561662	14.00	15.00	1.00		51.1		<1.0	0	100	145	19	98	8	0.05	0	7
					E6561663	15.00	16.00	1.00		51.9		<1.0	0	99	121	11	89	10	0.08	0	7
					E6561664	16.00	17.00	1.00		55.9		<1.0	0	226	83	9	111	18	<0.01	0	9
18.36	22.65	VMP	VMP	Mafic Volcanic - Pillowed Flow Deformed mafic pillowed flow. Deformed and strongly foliated from 18.36 - 22.35 (faulted?) with pyrite, hematite and carbonate alteration in this interval.	E6561665	17.00	18.36	1.36		54.5		<1.0	0	273	112	<5	112	30	0.13	0	10
					E6561667	18.36	19.00	0.64		207.0		<1.0	1	535	140	<5	106	130	0.52		27
					E6561668	19.00	20.00	1.00		85.2		<1.0	1	129	326	<5	74	87	2.75	0	12
					E6561669	20.00	21.00	1.00		60.9		<1.0	3	106	477	5	78	187	1.47	0	10
					E6561670	21.00	22.00	1.00		222.0		<1.0	2	113	223	<5	81	85	1.65	0	23
22.65	25.82	VMBX	VMBX	Mafic Volcanic - Flow Breccia Primary mafic flow breccia with monomictic fragments. In sharp conformable contact with pillowed flows (above and below). Fragments range from 1mm - 5 cm size and have chilled (altered?) margins. Strongly carbonatized matrix.	E6561671	22.00	22.65	0.65		92.2		<1.0	2	110	290	<5	57	78	1.39	0	12
					E6561673	22.65	24.00	1.35		134.0		<1.0	1	90	3150	7	88	50	0.91	0	35
					E6561674	24.00	25.00	1.00		123.0		<1.0	5	292	997	95	108	321	1.07	0	22
					E6561675	25.00	25.82	0.82		49.6		<1.0	1	87	280	8	74	37	0.56	0	8
25.82	30.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Mafic pillowed flow with moderate interpillow material (generally pyrite-bearing - primary?). Minor breccia between 29.85 - 30, possibly suggesting younging downhole.	E6561676	25.82	27.00	1.18		50.0		<1.0	0	90	154	62	653	27	0.44	0	9
					E6561677	27.00	28.00	1.00		39.1		<1.0	0	70	159	43	122	21	0.27	0	6
					E6561679	28.00	29.00	1.00		57.1		<1.0	1	218	360	41	186	38	1.35	0	11
					E6561680	29.00	30.00	1.00		64.1		<1.0	0	133	322	75	126	24	1.16	0	10
30.00	44.95	VMM	VMM	Mafic Volcanic - Massive Flow Massive mafic volcanic rock. Fine to medium grained mafic rock, homogeneous texture. Upper sharp conformable contact, lower contact cut by felsic porphyry dike.	E6561681	30.00	31.00	1.00		37.9		<1.0	0	159	34	101	292	10	0.03	0	7
					E6561682	31.00	32.00	1.00		45.1		<1.0	0	146	81	153	281	8	0.08	0	8
					E6561683	32.00	33.00	1.00		42.9		<1.0	0	141	20	56	126	<5	<0.01	0	6
					E6561684	33.00	34.00	1.00		38.9		<1.0	0	128	77	56	215	9	0.05	0	7
					E6561685	34.00	35.00	1.00		51.2		<1.0	0	210	69	174	257	23	0.10	0	9
					E6561687	35.00	36.00	1.00		66.8		2.0	1	98	207	35	149	27	0.67	0	10
					E6561688	36.00	37.00	1.00		47.0		<1.0	0	100	112	32	99	12	0.17	0	7
					E6561689	37.00	38.00	1.00		47.5		<1.0	1	100	266	355	263	38	0.29	0	9
					E6561690	38.00	39.00	1.00		48.9		<1.0	0	87	99	14	87	7	0.11	0	6
					E6561691	39.00	40.00	1.00		52.5		<1.0	0	90	105	17	87	<5	0.12	45	7
					E6561693	40.00	41.00	1.00		50.8		<1.0	0	94	123	6	94	<5	0.17	45	7
					E6561694	41.00	42.00	1.00		48.8		<1.0	0	93	85	23	100	<5	0.15	45	7
					E6561695	42.00	43.00	1.00		48.2		<1.0	0	96	134	139	222	6	0.15	45	7
					E6561696	43.00	44.00	1.00		56.1		<1.0	0	96	228	41	138	10	0.49	45	8
					E6561697	44.00	44.95	0.95		41.4		<1.0	0	93	198	76	174	12	0.17	45	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
44.95	68.45	IFP	IFP	Felsic Porphyry Medium-grained felsic porphyry dike with quartz, plagioclase, orthoclase and minor biotite. Irregular upper contact, straight lower contact. Contains significant (~5%) mafic xenoliths.	E6561699	44.95	46.00	1.05		14.2		4.0	0	101	122	296	899	<5	0.20	45	9
					E6561700	59.00	60.00	1.00		12.9		<1.0	0	23	13	11	56	11	0.09	135	2
					E6561701	60.00	60.30	0.30		52.4		<1.0	1	72	73	42	112	96	0.87	135	7
					E6561702	60.30	61.00	0.70		10.3		<1.0	0	29	130	50	57	<5	0.14	135	2
					E6561703	68.00	68.45	0.45		11.9		6.0	0	23	437	122	54	13	0.12	113	8
68.45	97.00	VMM	VMM	Mafic Volcanic - Massive Flow Massive mafic volcanic flow. Fine grained with poor internal textures. Minor breccia zone (flow top?) between 79.65 - 79.93m.	E6561704	68.45	69.00	0.55		69.3		<1.0	1	87	179	284	132	88	0.90	113	10
					E6561705	69.00	70.00	1.00		43.5		18.0	0	95	57	166	146	56	0.07	113	15
					E6561707	70.00	71.00	1.00		36.0		1.0	0	86	30	36	121	30	<0.01	113	6
					E6561708	71.00	72.00	1.00		47.8		<1.0	0	110	48	47	120	39	0.24	113	7
					E6561709	72.00	73.00	1.00		48.4		<1.0	0	85	90	56	290	13	0.08	113	7
					E6561710	73.00	74.00	1.00		45.5		<1.0	0	100	35	57	178	12	0.07	113	6
					E6561711	74.00	75.00	1.00		51.8		<1.0	0	105	44	80	348	6	0.01	113	8
					E6561713	75.00	76.00	1.00		50.7		6.0	0	96	26	58	98	<5	<0.01	113	9
					E6561714	76.00	77.00	1.00		43.7		1.0	0	71	104	53	288	<5	0.12	113	7
					E6561715	77.00	78.00	1.00		44.7		<1.0	0	80	30	61	126	<5	<0.01	113	6
					E6561716	78.00	79.00	1.00		52.8		<1.0	0	82	87	29	117	<5	0.11	113	7
					E6561717	79.00	80.00	1.00		57.7		1.0	0	93	93	18	104	<5	0.18	113	8
					E6561719	80.00	81.00	1.00		58.2		<1.0	0	93	109	16	99	<5	0.14	113	7
					E6561720	81.00	82.00	1.00		57.2		<1.0	0	101	53	6	116	<5	0.02	113	7
					E6561721	82.00	83.00	1.00		61.7		<1.0	0	148	133	<5	97	<5	0.29	113	9
					E6561722	83.00	84.00	1.00		59.5		1.0	0	101	72	34	85	<5	0.06	113	8
					E6561723	84.00	85.00	1.00		63.1		<1.0	0	111	108	29	212	6	0.17	113	9
					E6561724	85.00	86.00	1.00		62.2		<1.0	0	118	70	12	110	<5	0.04	99	8
					E6561725	86.00	87.00	1.00	50016	58.7	31439	<1.0	0	115	87	<5	102	<5	0.06	19666	8
					E6561727	87.00	88.00	1.00		56.6		<1.0	0	119	81	9	99	<5	0.07	87	8
					E6561728	88.00	89.00	1.00		55.7		<1.0	0	122	137	45	105	<5	0.22	87	8
					E6561729	89.00	90.00	1.00		55.7		<1.0	0	111	168	6	83	<5	0.30	87	8
					E6561730	90.00	91.00	1.00		49.9		<1.0	0	107	126	<5	82	<5	0.08	87	7
					E6561731	91.00	92.00	1.00		48.3		<1.0	0	106	133	<5	108	<5	0.17	87	7
					E6561733	92.00	93.00	1.00		52.5		<1.0	0	111	69	<5	84	<5	0.06	87	7
					E6561734	93.00	94.00	1.00		57.5		<1.0	0	115	72	10	105	5	0.10	87	7
					E6561735	94.00	95.00	1.00		58.5		<1.0	0	111	71	64	143	8	0.06	57	8
					E6561736	95.00	96.00	1.00		53.6		<1.0	0	93	40	49	263	6	0.01	57	7
					E6561737	96.00	97.00	1.00		55.5		<1.0	0	110	79	13	113	<5	0.04	57	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
97.00	99.30	SHRZ	SHRZ	Shear Zone Ductile sheared zone of altered mafic volcanic rocks. Zone is highly altered; kinematic indicators overprint alteration and sulphide mineralization. Bands of alteration include epidote, chlorite, albite/biotite (!), and pyrite. A pink carb vein with pyrite is laminated (highly deformed) and folded consistent with kinematic indicators. Kinematic indicators include sigmoids and folded alteration patterns. Shear sense is south block up towards the north. Suspected Archean shear zone.	E6561739	97.00	98.00	1.00		52.7		<1.0	0	80	170	14	195	<5	0.28	57	8	
					E6561740	98.00	99.00	1.00		63.7		<1.0	0	95	120	6	98	<5	0.16	57	8	
					E6561741	99.00	99.30	0.30		73.6		<1.0	0	73	182	7	94	<5	0.78	57	9	
99.30	104.17	VMM	VMM	Mafic Volcanic - Massive Flow Massive mafic volcanic flows. Fine grained. Patchy local alteration. Poorly-developed foliation.	E6561742	99.30	100.00	0.70		54.1		<1.0	0	90	82	6	82	<5	0.04	57	7	
					E6561743	100.00	101.00	1.00		55.3		<1.0	0	78	62	15	75	<5	0.02	57	7	
					E6561744	101.00	102.00	1.00		57.1		<1.0	0	77	54	<5	83	<5	0.06	57	7	
					E6561745	102.00	103.00	1.00		57.9		<1.0	0	74	89	9	93	<5	0.04	57	7	
					E6561747	103.00	104.00	1.00		53.3		<1.0	0	169	615	17	119	11	0.03	57	12	
104.17	104.70	IMLAM	LMP	Lamprophyre MG lamprophyre, cut internally by a subsequent lamprophyre. Homogeneous textured with biotite. Unfoliated - Proterozoic?																		
104.70	105.60	IMLAM	LMP	Lamprophyre Lamprophyre crosscutting lamprophyre. Mottled texture but internally homogeneous. M-CG. Phanerozoic?																		
105.60	109.71	IMLAM	LMP	Lamprophyre MG lamprophyre, interpreted as continuation of 104.17-104.7m. K-spar alteration between 107.7 - 109m.	E6561748	109.00	109.71	0.71		39.0		<1.0	0	289	37	21	431	5	0.05	54	9	
109.71	111.12	VMBX	VMBX	Mafic Volcanic - Flow Breccia Mafic flow breccia with strongly foliated clasts. Fragments are either variably altered or have different compositions. Some clasts are highly epidotized, others albitized, others silicified (?), and the matrix is highly epidote altered. Whole interval is chloritized, including internally within the fragments as fractures. The fragments This interval either represents a mafic flow top breccia with variable alteration or a mass-flow of altered volcanic fragments. Minor interval between 109.71 - 110.4 m of massive flow.	E6561749	109.71	111.12	1.41		67.6		<1.0	0	103	364	121	185	11	0.67	70	11	
111.12	114.12	IMLAM	LMP	Lamprophyre MG lamprophyre, cutting foliation.	E6561750	111.12	112.00	0.88		39.7		<1.0	0	238	185	71	475	5	0.15	70	10	
					E6561751	112.00	113.00	1.00		38.4		1.0	0	477	38	410	262	7	0.06	70	12	
					E6561753	113.00	114.12	1.12		44.5		<1.0	0	216	85	80	238	12	0.12	70	8	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
114.12	121.50	VMBX	VMBX	Mafic Volcanic - Flow Breccia Mafic flow breccia with strongly foliated clasts. Fragments are either variably altered or have different compositions. Some clasts are highly epidotized, others albitized, others silicified (?), and the matrix is highly epidote altered. Whole interval is chloritized, including internally within the fragments as fractures. The fragments This interval either represents a mafic flow top breccia with variable alteration or a mass-flow of altered volcanic fragments.	E6561754	114.12	115.00	0.88		51.8		3.0	0	79	205	33	93	15	0.55	70	9
					E6561755	115.00	116.00	1.00		41.6		<1.0	0	65	103	12	100	8	0.21	70	6
					E6561756	116.00	117.00	1.00		47.7		1.0	0	62	277	22	170	8	0.74	70	8
					E6561757	117.00	117.39	0.39		74.6		1.0	0	87	409	26	128	12	1.22	70	11
					E6561759	117.39	118.14	0.75		42.3		<1.0	0	255	136	128	196	5	0.39	70	9
					E6561760	118.14	118.70	0.56		72.2		3.0	0	69	785	16	116	7	1.23	70	14
					E6561761	118.70	120.00	1.30		50.2		<1.0	0	77	119	18	98	<5	0.25	70	7
					E6561762	120.00	121.00	1.00		49.0		<1.0	0	61	153	18	179	<5	0.30	70	7
					E6561763	121.00	121.50	0.50		46.4		<1.0	0	64	177	35	152	<5	0.23	70	7
121.50	122.13	IFP	IFP	Felsic Porphyry Fine-grained felsic dike with MG feldspar crystals. Porphyry dike.	E6561764	121.50	122.13	0.63		30.4		<1.0	0	23	79	24	72	<5	0.18	70	4
122.13	128.56	VMBX	VMBX	Mafic Volcanic - Flow Breccia Mafic flow breccia with strongly foliated clasts. Fragments are either variably altered or have different compositions. Some clasts are highly epidotized, others albitized, others silicified (?), and the matrix is highly epidote altered. Whole interval is chloritized, including internally within the fragments as fractures. The fragments This interval either represents a mafic flow top breccia with variable alteration or a mass-flow of altered volcanic fragments. Abnormally thick for a flow-top breccia.	E6561765	122.13	123.00	0.87		45.9		<1.0	0	69	116	10	86	<5	0.18	70	6
					E6561767	123.00	124.00	1.00		48.4		<1.0	0	65	159	161	103	6	0.30	70	7
					E6561768	124.00	125.00	1.00		44.3		<1.0	0	66	109	793	1220	12	0.22	70	11
					E6561769	125.00	126.00	1.00		51.9		<1.0	0	67	157	191	229	12	0.36	70	8
					E6561770	126.00	127.00	1.00		46.4		<1.0	0	72	79	471	418	<5	0.24	70	8
					E6561771	127.00	128.00	1.00		52.0		<1.0	0	71	91	38	126	6	0.21	70	7
					E6561773	128.00	128.56	0.56		50.7		<1.0	0	70	97	46	147	<5	0.31	70	7
128.56	128.97	IMLAM	LMP	Lamprophyre MG lamprophyre, cross-cuts foliation.	E6561774	128.56	129.00	0.44		45.5		<1.0	0	184	27	25	220	<5	<0.01	70	7
128.97	130.39	VMBX	VMBX	Mafic Volcanic - Flow Breccia Mafic flow breccia with strongly foliated clasts. Fragments are either variably altered or have different compositions. Some clasts are highly epidotized, others albitized, others silicified (?), and the matrix is highly epidote altered. Whole interval is chloritized, including internally within the fragments as fractures. The fragments This interval either represents a mafic flow top breccia with variable alteration or a mass-flow of altered volcanic fragments. Abnormally thick for a flow-top breccia.	E6561775	129.00	130.00	1.00		51.1		<1.0	0	85	69	42	149	6	0.21	70	7
130.39	130.70	IMLAM	LMP	Lamprophyre MG lamprophyre, cross-cuts foliation.	E6561776	130.00	131.00	1.00		44.4		<1.0	0	65	71	50	112	<5	0.15	70	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
130.70	132.50	VMBX	VMBX	Mafic Volcanic - Flow Breccia	E6561777	131.00	132.00	1.00		48.3		<1.0	0	69	89	73	308	12	0.26	70	7	
				Mafic flow breccia with strongly foliated clasts. Fragments are either variably altered or have different compositions. Some clasts are highly epidotized, others albitized, others silicified (?), and the matrix is highly epidote altered. Whole interval is chloritized, including internally within the fragments as fractures. The fragments	E6561779	132.00	132.50	0.50		54.1		<1.0	1	80	167	95	293	39	0.52	70	8	
				This interval either represents a mafic flow top breccia with variable alteration or a mass-flow of altered volcanic fragments.																		
				Abnormally thick for a flow-top breccia.																		
132.50	171.90	IMLAM	LMP	Lamprophyre	E6561780	132.50	133.50	1.00		39.7		<1.0	0	262	61	60	278	15	0.05	70	9	
				MG lamprophyre, cuts foliation. Minor pyrite veins internally. Patchy magnetism throughout.	E6561781	136.20	136.65	0.45		38.1		<1.0	0	493	34	<5	194	<5	<0.01	70	11	
				Minor QFP between 136.65 - 136.75m	E6561782	136.65	137.00	0.35		22.8		<1.0	0	140	120	10	150	6	0.10	70	5	
				Minor vein or xenolith containing qtz - albite - k-spar - epidote - pyrite between 161.7 - 162.6 m.	E6561783	137.00	138.00	1.00		42.4		<1.0	0	436	22	6	189	<5	<0.01	70	10	
					E6561784	146.00	147.00	1.00		44.0		<1.0	0	83	137	261	710	<5	0.37	91	9	
					E6561785	147.00	148.00	1.00		48.7		<1.0	0	93	378	48	219	26	0.50	95	9	
					E6561787	148.00	149.00	1.00		41.5		<1.0	0	61	87	57	231	<5	0.19	95	6	
					E6561788	149.00	150.00	1.00		46.8		<1.0	1	63	106	40	191	13	0.20	95	6	
					E6561789	160.00	161.00	1.00		46.1		<1.0	0	54	64	9	102	<5	0.15	70	6	
					E6561790	161.00	161.70	0.70		51.9		<1.0	0	56	94	5	86	<5	0.24	70	6	
					E6561791	161.70	162.60	0.90		43.6		<1.0	0	44	125	14	131	12	0.29	70	6	
					E6561793	162.60	164.00	1.40		49.2		<1.0	0	55	22	<5	96	5	0.05	70	6	
171.90	175.25	IFP	IFP	Felsic Porphyry	E6561794	174.25	175.25	1.00		25.0		<1.0	0	56	25	26	82	<5	0.03	35	3	
				Fine grained felsic dike with medium grained quartz and feldspar phenocrysts. QFP. Slightly irregular contacts. Contains lamprophyre xenoliths.																		

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
175.25	191.34	VMM	VMM	Mafic Volcanic - Massive Flow Fine-grained mafic massive flow. Minor brecciated zones. One silicified interval noted between 182.80 - 183.75 m with enhanced pyrite.	E6561795	175.25	176.00	0.75		55.1		<1.0	0	108	75	6	116	<5	0.12	6	7
					E6561796	176.00	177.00	1.00		60.4		<1.0	0	102	71	5	103	<5	0.09	6	8
					E6561797	177.00	178.00	1.00		54.2		<1.0	0	91	140	10	96	<5	0.14	6	7
					E6561799	178.00	179.00	1.00		51.7		<1.0	0	68	98	9	102	<5	0.23	6	6
					E6561800	179.00	180.00	1.00		43.6		<1.0	0	70	656	56	124	10	0.18	6	10
					E6561801	180.00	181.00	1.00		39.6		<1.0	1	57	103	188	162	37	0.28	6	6
					E6561802	181.00	182.00	1.00		37.1		1.0	1	54	294	115	124	23	0.11	6	7
					E6561803	182.00	182.80	0.80		37.7		<1.0	2	63	234	23	126	45	0.27	6	6
					E6561804	182.80	183.75	0.95		188.0		<1.0	3	98	368	27	130	148	1.01	6	21
					E6561805	183.75	185.00	1.25		51.9		<1.0	1	69	80	7	95	15	0.16	6	6
					E6561807	185.00	186.00	1.00		45.3		<1.0	0	60	82	21	113	12	0.12	6	6
					E6561808	186.00	187.00	1.00		46.8		<1.0	1	60	161	10	127	13	0.16	6	6
					E6561809	187.00	188.00	1.00		41.6		<1.0	0	56	89	23	122	7	0.12	6	5
					E6561810	188.00	189.00	1.00		43.9		<1.0	0	58	107	10	111	5	0.15	6	6
					E6561811	189.00	190.00	1.00		48.2		<1.0	0	60	266	9	111	14	0.18	6	7
					E6561813	190.00	191.00	1.00		46.2		<1.0	0	63	106	13	139	8	0.09	6	6
					E6561814	191.00	191.34	0.34		45.7		<1.0	0	65	143	33	161	8	0.06	6	6
191.34	193.10	IFP	IFP	Felsic Porphyry Fine grained felsic dike with medium grained quartz and feldspar phenocrysts. QFP. Slightly irregular contacts. Overprints foliated mafic volcanics. Minor mafic xenoliths (cm-scale).	E6561815	191.34	192.00	0.66		23.8		<1.0	0	88	173	43	105	8	0.03	6	5
					E6561816	192.00	193.10	1.10		29.1		<1.0	0	215	100	33	105	11	0.02	6	7
193.10	200.00	VMM	VMM	Mafic Volcanic - Massive Flow Massive mafic volcanic rock, becoming progressively more deformed towards the base of the hole.	E6561817	193.10	194.00	0.90		43.3		<1.0	0	61	85	22	122	10	0.11	6	6
					E6561819	194.00	195.00	1.00		38.5		<1.0	0	58	46	16	165	<5	0.02	6	5
					E6561820	195.00	196.00	1.00		41.7		<1.0	0	57	68	8	93	<5	0.07	6	5
					E6561821	196.00	197.00	1.00		40.6		<1.0	0	61	17	12	94	<5	<0.01	6	5
					E6561822	197.00	198.00	1.00		46.1		<1.0	0	64	69	27	108	6	0.08	6	6
					E6561823	198.00	199.00	1.00		49.1		<1.0	0	69	38	12	102	<5	0.07	6	6
					E6561824	199.00	200.00	1.00		47.1		<1.0	0	62	47	20	93	<5	0.10	6	6
200.00	200.00	EOH	EOH	End of Hole																	
	200.00	EOH		End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	2.95					
5.00	8.00		3.04					
8.00	11.00		2.99					
11.00	14.00		3.02					
14.00	17.00		2.88					
17.00	20.00		2.89					
20.00	23.00		2.85					
23.00	26.00		2.80					
26.00	29.00		3.05					
29.00	32.00		2.98					
32.00	35.00		2.98					
35.00	38.00		2.99					
38.00	41.00		3.05					
41.00	44.00		3.02					
44.00	47.00		2.97					
47.00	50.00		2.92					
50.00	53.00		3.18					
53.00	56.00		2.88					
56.00	59.00		3.15					
59.00	62.00		2.97					
62.00	65.00		3.10					
65.00	68.00		2.91					
68.00	71.00		2.96					
71.00	74.00		3.08					
74.00	77.00		2.98					
77.00	80.00		2.94					
80.00	83.00		3.04					
83.00	86.00		3.02					
86.00	89.00		2.97					
89.00	92.00		3.00					
92.00	95.00		3.02					
95.00	98.00		3.02					
98.00	101.00		2.94					HIGH RORC LOC ON PREVIOUS RUN
101.00	104.00		3.03					
104.00	107.00		3.06					
107.00	110.00		2.98					
110.00	113.00		3.04					
113.00	116.00		2.98					
116.00	119.00		3.05					
119.00	122.00		3.01					
122.00	125.00		3.00					
125.00	128.00		3.09					
128.00	131.00		3.99					

131.00	134.00	3.02
134.00	137.00	3.00
137.00	140.00	3.00
140.00	143.00	2.98
143.00	146.00	3.02
146.00	149.00	298.00
149.00	152.00	3.01
152.00	155.00	3.00
155.00	158.00	2.96
158.00	161.00	3.02
161.00	164.00	3.00
164.00	167.00	2.97
167.00	170.00	3.04
170.00	173.00	3.01
173.00	176.00	3.14
176.00	179.00	3.01
179.00	182.00	3.00
182.00	185.00	2.98
185.00	188.00	3.02
188.00	191.00	3.00
191.00	194.00	3.01
194.00	197.00	3.00
197.00	200.00	2.96

EOH

Cobalt North Project

Drill Log FCC-18-0049

COLLAR INFORMATION

Easting: 612,769.44 m **Azimuth:** 225.80°
Northing: 5,228,770.28 m **Dip:** -50.10°
Elevation: 300.39 m **Length:** 166.00 m
Target: Testing Dave's interpreted NW fault

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	225.8°	225.8°	-50.1°	Collar
14.00	238.3°	225.8°	-49.5°	EZ-Trac
50.00	238.1°	225.6°	-49.1°	EZ-Trac
101.00	237.4°	224.9°	-48.7°	EZ-Trac
152.00	238.5°	226.0°	-47.9°	EZ-Trac
166.00	238.9°	226.4°	-47.7°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	166.0	Meghan Hewton	2018-May-02		Shut down
Drilling	0.0	166.0	Laframboise Drilling	2018-May-02	May-03	
Geotech - Basic	2.0	166.0	Dave Lamontagne	2018-May-04	May-05	
Geotech + Orient	0.0	166.0	Dave Lamontagne	2018-May-04	May-05	
Core Logging	0.0	166.0	Dave Lewis	2018-May-09	May-10	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	0.80	CAS	CAS	Casing
0.80	11.65	VMP	VMP	Mafic Volcanic - Pillowed Flow Medium-grained mafic pillowed flow. Moderate interpillow material. Thin (< 1 cm) selvages. Interpillow material contains enhanced sulphides and is more epidote-altered.
11.65	13.23	VMBX	VMBX	Mafic Volcanic - Flow Breccia Mafic flowtop breccia. Jigsaw fit pieces, altered matrix. Alteration is primarily epidote.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
E6561825	0.80	2.00	1.20		50.4		<1.0	0	88	70	367	138	19	0.10	0	7
E6561827	2.00	3.00	1.00		51.4		<1.0	0	92	60	43	120	24	0.19	0	7
E6561828	3.00	4.00	1.00		53.5		<1.0	0	92	56	47	90	15	0.15	0	7
E6561829	4.00	5.00	1.00		53.9		<1.0	0	85	74	19	88	<5	0.11	0	7
E6561830	5.00	6.00	1.00		58.1		<1.0	0	92	143	11	97	<5	0.35	0	8
E6561831	6.00	7.00	1.00		57.5		<1.0	0	87	105	19	87	<5	0.24	0	7
E6561833	7.00	8.00	1.00		51.4		<1.0	0	85	47	23	101	<5	0.03	0	6
E6561834	8.00	9.00	1.00		52.4		<1.0	0	85	32	24	105	<5	0.03	0	6
E6561835	9.00	10.00	1.00		59.9		<1.0	0	86	131	72	207	<5	0.09	0	8
E6561836	10.00	11.00	1.00		53.4		<1.0	0	88	55	31	103	<5	0.03	8	7
E6561837	11.00	11.65	0.65		54.6		<1.0	0	92	51	34	102	<5	0.05	0	7
E6561839	11.65	12.65	1.00		51.8		3.0	0	85	131	38	100	6	0.23	0	8
E6561840	12.65	13.05	0.40		89.0		<1.0	0	91	273	32	115	23	0.72	0	11
E6561841	13.05	14.00	0.95		40.5		<1.0	0	78	139	7	90	<5	0.21	0	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
13.23	32.95	VMM	VMM	Mafic Volcanic - Massive Flow Massive mafic flow. Primarily medium-grained, although gradational section between 18.68 - 22.86 m that is coarse grained.	E6561842	14.00	14.82	0.82		41.3		<1.0	0	77	111	9	85	<5	0.16	0	6
					E6561843	14.82	15.15	0.33		30.6		<1.0	0	88	28	<5	99	<5	<0.01	0	4
					E6561844	15.15	15.55	0.40		24.4		<1.0	0	71	800	38	131	<5	0.08	0	9
					E6561845	15.55	16.00	0.45		43.5		<1.0	0	79	29	9	85	7	0.03	0	5
					E6561847	16.00	17.00	1.00		48.1		<1.0	0	92	37	7	79	<5	0.07	0	6
					E6561848	17.00	18.00	1.00		51.2		<1.0	0	97	36	14	123	<5	0.05		7
					E6561849	18.00	19.00	1.00		53.3		<1.0	0	123	106	44	97	<5	0.21		8
					E6561850	19.00	20.00	1.00		52.8		<1.0	0	150	78	66	388	<5	0.05		9
					E6561851	20.00	21.00	1.00		55.4		<1.0	0	163	96	59	108	<5	0.07		8
					E6561853	21.00	22.00	1.00		50.9		<1.0	0	145	80	46	97	<5	0.04		7
					E6561854	22.00	23.00	1.00		52.4		<1.0	0	145	89	105	125	<5	0.05		8
					E6561855	23.00	24.00	1.00		46.4		<1.0	0	133	80	62	222	<5	0.04	0	7
					E6561856	24.00	25.00	1.00		56.4		<1.0	0	104	129	75	140	9	0.31	0	8
					E6561857	25.00	26.00	1.00		57.6		<1.0	0	107	125	237	202	9	0.32	0	9
					E6561859	26.00	27.00	1.00		59.3		<1.0	0	111	135	108	675	18	0.25	0	10
					E6561860	27.00	28.00	1.00		63.8		<1.0	0	108	139	180	600	22	0.31	0	10
					E6561861	28.00	29.00	1.00		52.0		<1.0	0	99	91	30	125	9	0.15		7
					E6561862	29.00	30.00	1.00		49.3		<1.0	0	103	95	36	177	7	0.12		7
					E6561863	30.00	31.00	1.00		47.4		<1.0	0	88	99	78	249	6	0.08		7
					E6561864	31.00	32.00	1.00		47.7		<1.0	0	94	118	67	167	8	0.05		7
					E6561865	32.00	32.30	0.30		34.7		<1.0	0	80	24	66	138	11	0.13		5
					E6561867	32.30	32.60	0.30		33.4		<1.0	1	88	155	527	707	6	0.17	0	9
					E6561868	32.60	32.95	0.35		49.0		<1.0	0	98	64	30	124	10	0.19		7
32.95	34.85	IFP	IFP	Felsic Porphyry Fine-grained felsic dike with medium quartz, feldspar porphyrys. Moderate mafic xenoliths. Sharp upper contact overprints foliation.	E6561869	32.95	34.00	1.05		21.2		<1.0	0	83	10	16	87	<5	<0.01		3
					E6561870	34.00	34.85	0.85		20.3		<1.0	0	89	19	79	244	<5	<0.01		4
34.85	49.67	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6561871	34.85	36.00	1.15		51.1		<1.0	0	103	108	32	112	<5	0.04		7
					E6561873	36.00	37.00	1.00		50.5		<1.0	0	104	86	139	152	8	0.09		7
					E6561874	37.00	38.00	1.00		48.0		<1.0	0	107	49	11	79	<5	0.05	0	6
					E6561875	38.00	39.00	1.00		52.3		<1.0	0	101	58	<5	77	<5	0.07	0	7
					E6561876	39.00	40.00	1.00		53.1		2.0	0	107	57	<5	72	<5	0.08	45	8
					E6561877	40.00	41.00	1.00		45.6		<1.0	0	98	68	139	138	<5	0.07	45	7
					E6561879	41.00	42.00	1.00		47.5		<1.0	0	94	60	93	177	<5	0.06	45	7
					E6561880	42.00	43.00	1.00		53.6		<1.0	0	92	102	7	77	<5	0.21	45	7
					E6561881	43.00	44.00	1.00		51.7		<1.0	0	99	66	7	71	<5	0.08	45	7
					E6561882	44.00	45.00	1.00		49.6		<1.0	0	92	66	<5	83	<5	0.08	45	6
					E6561883	45.00	46.00	1.00		51.6		<1.0	0	90	81	<5	80	<5	0.09	45	7
					E6561884	46.00	47.00	1.00		49.9		<1.0	0	89	89	<5	80	<5	0.10	45	6
					E6561885	47.00	48.00	1.00		49.2		2.0	0	84	63	<5	72	<5	0.07	45	7
					E6561887	48.00	49.00	1.00		47.2		<1.0	0	80	53	9	72	<5	0.04	45	6
					E6561888	49.00	50.00	1.00		45.8		<1.0	0	77	71	57	138	<5	0.03	45	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
49.67	52.10	VMM	VMM	Mafic Volcanic - Massive Flow MG massive mafic volcanic rock.	E6561889	50.00	51.00	1.00		47.7		<1.0	0	83	50	9	70	<5	0.04	45	6
					E6561890	51.00	52.10	1.10		49.6		<1.0	0	90	31	6	71	<5	0.04	50	6
52.10	57.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6561891	52.10	53.00	0.90		58.3		<1.0	0	98	90	18	77	<5	0.17	100	7
					E6561893	53.00	54.00	1.00		41.8		<1.0	0	92	82	7	75	<5	0.02	100	6
					E6561894	54.00	55.00	1.00		55.4		<1.0	0	95	85	<5	72	11	0.12	100	7
					E6561895	55.00	56.00	1.00		56.9		<1.0	0	92	397	<5	68	15	0.12	100	9
					E6561896	56.00	56.35	0.35		141.0		<1.0	3	98	580	14	73	87	0.43	100	18
E6561897	56.35	57.00	0.65		57.1		<1.0	1	99	172	6	76	25	0.18	100	8					
57.00	57.78	IFP	IFP	Felsic Porphyry FG felsic quartz-feldspar porphyry. Contacts overprint foliation																	
57.78	58.25	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6561899	57.00	58.25	1.25		45.3		<1.0	1	66	129	5	67	16	0.15	135	6
58.25	59.61	IMLAM	LMP	Lamprophyre MG lamprophyre. Irregular contacts	E6561900	58.25	59.00	0.75		24.7		<1.0	0	131	57	5	59	<5	<0.01	135	5
					E6561901	59.00	59.61	0.61		23.6		<1.0	0	117	106	9	61	<5	0.01	135	5
59.61	63.35	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6561902	59.61	60.00	0.39		60.6		<1.0	2	122	192	<5	82	101	0.86	135	9
					E6561903	60.00	61.00	1.00		47.4		<1.0	1	94	57	<5	86	31	0.22	135	6
					E6561904	61.00	62.00	1.00		42.7		4.0	1	93	74	7	73	27	0.19	135	8
					E6561905	62.00	63.00	1.00		55.8		<1.0	1	89	106	<5	69	30	0.41	135	7
					E6561907	63.00	63.35	0.35		41.2		<1.0	1	89	48	<5	94	10	0.07	135	5
E6561908	63.35	63.79	0.44		286.0		5.0	8	130	578	16	103	233	1.29	135	34					
63.79	65.58	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6561909	63.79	65.00	1.21		50.3		<1.0	1	90	159	<5	63	18	0.23	135	7
					E6561910	65.00	65.58	0.58		44.3		3.0	0	76	95	9	78	13	0.10	135	7
65.58	68.25	IMLAM	LMP	Lamprophyre MG lamprophyre, irregular contact. Contains pieces of foliated pillowed flow - xenoliths or anastomosing dike. Foliation in volcanics is consistent with other foliations, implying anastomosing dike.	E6561911	65.58	66.00	0.42		28.2		<1.0	0	18	52	5	53	<5	0.08	135	3
					E6561913	66.00	67.00	1.00		26.4		<1.0	0	38	84	7	62	9	0.06	135	4
					E6561914	67.00	67.52	0.52		23.2		2.0	0	60	90	9	76	<5	0.02	135	5
					E6561915	67.52	67.90	0.38		47.4		1.0	0	128	31	6	88	10	0.07	135	7
					E6561916	67.90	68.25	0.35		35.1		2.0	2	38	173	39	68	14	0.16	119	6
68.25	69.56	VMM	VMM	Mafic Volcanic - Massive Flow F-MG massive mafic volcanic rock.	E6561917	68.25	69.00	0.75		50.9		2.0	0	109	83	33	95	8	0.18	113	8
					E6561919	69.00	69.56	0.56		48.8		<1.0	0	108	45	13	91	<5	0.02	113	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
69.56	79.65	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6561920	69.56	71.00	1.44		51.4		<1.0	0	109	74	15	83	<5	0.10	113	7
					E6561921	71.00	72.00	1.00		45.6		<1.0	1	106	93	128	327	19	0.20	113	7
					E6561922	72.00	73.00	1.00		44.0		<1.0	0	88	78	23	83	<5	0.18	113	6
					E6561923	73.00	74.00	1.00		49.4		<1.0	0	82	145	7	87	<5	0.32	113	7
					E6561924	74.00	75.00	1.00		54.2		<1.0	0	88	112	9	78	<5	0.30	113	7
					E6561925	75.00	76.00	1.00		50.1		<1.0	0	89	171	44	101	6	0.41	113	7
					E6561927	76.00	77.00	1.00		55.2		<1.0	1	82	344	40	173	88	0.87	113	9
					E6561928	77.00	78.00	1.00		51.4		<1.0	0	94	112	38	92	8	0.21	113	7
					E6561929	78.00	79.00	1.00		50.5		<1.0	1	87	173	67	188	10	0.29	113	8
					E6561930	79.00	79.65	0.65		46.8		<1.0	0	90	102	9	89	<5	0.19	113	6
79.65	84.25	VMBX	VMBX	Mafic Volcanic - Flow Breccia Mafic flow breccia. Gradational upper contact with pillowed flow, suggesting younging downhole. Fragments are variably altered with carb-epi-alb.	E6561931	79.65	80.00	0.35		52.3		<1.0	1	84	213	24	100	<5	0.36	113	8
					E6561933	80.00	81.00	1.00		65.7		<1.0	1	94	483	47	114	8	0.56	113	11
					E6561934	81.00	82.00	1.00		52.5		<1.0	0	117	88	52	107	18	0.20	113	7
					E6561935	82.00	83.00	1.00		54.5		<1.0	0	141	60	67	93	<5	0.07	113	8
					E6561936	83.00	84.00	1.00		62.0		<1.0	0	141	210	52	104	20	0.26	113	9
					E6561937	84.00	85.00	1.00		60.6		<1.0	0	131	119	152	185	10	0.16	113	9
84.25	91.90	VMM	VMM	Mafic Volcanic - Massive Flow F-MG massive mafic flow.	E6561939	85.00	86.00	1.00		53.1		<1.0	0	113	113	24	99	7	0.14	99	7
					E6561940	86.00	87.00	1.00	50016	58.0	31439	<1.0	1	116	385	236	142	17	0.15	19666	10
					E6561941	87.00	88.00	1.00		51.0		<1.0	1	112	144	34	98	20	0.23	87	7
					E6561942	88.00	89.00	1.00		47.2		<1.0	0	109	107	9	96	12	0.11	87	7
					E6561943	89.00	90.00	1.00		48.1		<1.0	0	111	99	<5	92	7	0.06	87	7
					E6561944	90.00	91.00	1.00		81.9		<1.0	0	133	496	<5	102	29	0.22	87	13
					E6561945	91.00	91.90	0.90		44.7		<1.0	0	109	100	<5	79	9	0.09	87	6
					E6561947	91.90	93.00	1.10		79.7		<1.0	0	415	141	6	127	12	0.12	87	14
91.90	99.37	IMD	IMD	Mafic Dyke MG foliated mafic dike with deformed margins and substantial alteration. Strained upper contact with carb alteration and internal pink carb veins.	E6561948	93.00	94.00	1.00		56.1		<1.0	0	489	52	19	141	9	<0.01	87	13
					E6561949	94.00	95.00	1.00		61.5		<1.0	0	504	215	9	132	15	0.02	57	14
					E6561950	95.00	96.00	1.00		53.5		<1.0	0	605	21	<5	138	8	<0.01	57	14
					E6561951	96.00	97.00	1.00		55.3		<1.0	0	572	25	<5	149	<5	<0.01	57	13
99.37	100.62	IMLAM	LMP	Lamprophyre MG biotite-bearing lamprophyre. Sharp contacts, lower contact cuts foliation.	E6561953	97.00	98.00	1.00		60.9		<1.0	0	607	80	11	143	<5	<0.01	57	15
					E6561954	98.00	99.37	1.37		59.4		<1.0	0	557	32	14	163	<5	<0.01	57	14
					E6561955	99.37	100.62	1.25		54.1		<1.0	0	415	38	6	168	<5	<0.01	57	11
100.62	105.42	VMM	VMM	Mafic Volcanic - Massive Flow F-MG mafic volcanic massive flow.	E6561956	100.62	101.00	0.38		44.1		<1.0	0	89	97	12	125	<5	0.12	57	6
					E6561957	101.00	102.00	1.00		48.4		<1.0	1	79	84	25	123	21	0.66	57	6
					E6561959	102.00	103.00	1.00		45.3		<1.0	0	75	72	11	124	6	0.25	57	6
105.42	107.12	IMLAM	LMP	Lamprophyre MG lamprophyre. Oblique to foliation.	E6561960	103.00	104.00	1.00		47.4		<1.0	0	72	86	<5	118	<5	0.18	57	6
					E6561961	104.00	105.42	1.42		69.9		<1.0	0	88	62	19	122	12	0.24	57	8
					E6561962	105.42	106.50	1.08		37.6		<1.0	0	203	17	7	131	7	0.05	57	7
					E6561963	106.50	107.12	0.62		28.8		<1.0	0	229	27	9	145	<5	<0.01	57	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
107.12	109.33	VMM	VMM	Mafic Volcanic - Massive Flow FG massive mafic flow. Minor lamprophyre between 107.98 - 108.08 m.	E6561964	107.12	108.00	0.88		45.3		<1.0	0	84	80	10	127	7	0.21	32	6
					E6561965	108.00	109.33	1.33		44.8		<1.0	0	103	41	6	136	<5	0.09	9	6
109.33	114.76	IMLAM	LMP	Lamprophyre MG lamprophyre, cutting foliation in the volcanics. Two minor volcanic intervals: 113.66 - 113.97; 114.36 - 114.53 m.	E6561967	109.33	110.00	0.67		54.6		<1.0	1	114	43	23	144	27	0.56	70	7
					E6561968	110.00	111.00	1.00		72.5		<1.0	0	168	55	40	133	25	0.33	70	10
					E6561969	111.00	112.00	1.00		53.3		<1.0	0	248	120	10	150	10	0.14	70	9
					E6561970	112.00	113.00	1.00		35.5		<1.0	0	348	16	<5	166	<5	<0.01	70	9
					E6561971	113.00	113.66	0.66		60.3		<1.0	0	271	58	12	149	12	0.07	70	10
					E6561973	113.66	113.97	0.31		86.2		<1.0	0	67	82	6	127	14	0.25	70	9
					E6561974	113.97	114.76	0.79		46.3		<1.0	0	275	72	9	186	6	0.09	70	9
114.76	116.60	VMM	VMM	Mafic Volcanic - Massive Flow FG massive mafic flow	E6561975	114.76	116.00	1.24		47.5		<1.0	0	78	92	12	123	5	0.16	70	6
					E6561976	116.00	116.60	0.60		52.5		<1.0	0	75	98	6	112	6	0.23	70	7
116.60	117.45	IMLAM	LMP	Lamprophyre MG lamprophyre. Irregular contacts cut foliation.	E6561977	116.60	118.00	1.40		48.3		<1.0	0	190	102	13	123	<5	0.13	70	8
117.45	138.00	VMM	VMM	Mafic Volcanic - Massive Flow FG massive mafic flow.	E6561979	118.00	119.00	1.00		47.0		<1.0	0	84	87	12	96	<5	0.23	70	6
					E6561980	119.00	120.00	1.00		50.7		<1.0	0	86	86	7	114	5	0.31	70	7
					E6561981	120.00	121.00	1.00		49.1		<1.0	0	99	81	6	104	<5	0.12	70	7
					E6561982	121.00	122.00	1.00		52.7		<1.0	0	92	73	7	106	<5	0.05	70	7
					E6561983	122.00	123.00	1.00		47.5		<1.0	0	82	95	6	108	<5	0.11	70	6
					E6561984	123.00	124.00	1.00		46.2		1.0	0	80	98	5	103	<5	0.12	70	7
					E6561985	124.00	125.00	1.00		46.8		<1.0	0	77	93	6	93	5	0.16	70	6
					E6561987	125.00	126.00	1.00		49.3		<1.0	1	84	81	6	99	<5	0.13	70	6
					E6561988	126.00	127.00	1.00		48.8		<1.0	0	79	80	13	98	5	0.18	70	6
					E6561989	127.00	128.00	1.00		52.3		<1.0	0	89	91	32	134	6	0.11	70	7
					E6561990	128.00	129.00	1.00		44.1		<1.0	0	78	58	13	110	8	0.18	70	6
					E6561991	129.00	130.00	1.00		45.0		<1.0	0	79	59	13	113	7	0.22	70	6
					E6561993	130.00	130.30	0.30		73.1		<1.0	3	74	429	95	122	225	3.64	70	11
					E6561994	130.30	131.00	0.70		40.5		<1.0	1	54	125	17	87	6	0.71	70	5
					E6561995	131.00	132.00	1.00		49.4		<1.0	0	86	71	7	78	<5	0.11	70	6
					E6561996	132.00	133.00	1.00		49.3		<1.0	0	87	100	6	73	<5	0.19	70	6
					E6561997	133.00	134.00	1.00		56.0		<1.0	0	82	122	6	80	<5	0.26	70	7
					E6561999	134.00	135.00	1.00		48.3		<1.0	1	81	133	10	78	<5	0.23	70	7
					E6562000	135.00	136.00	1.00		50.0		<1.0	0	74	79	10	88	<5	0.22	70	6
					E6562001	136.00	137.00	1.00		48.7		<1.0	0	79	87	6	85	<5	0.16	70	6
					E6562002	137.00	138.00	1.00		54.1		<1.0	0	79	129	8	81	<5	0.27	70	7

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
138.00	151.47	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6562003	138.00	139.00	1.00		49.9		<1.0	0	80	85	<5	73	<5	0.14	70	6
					E6562004	139.00	140.00	1.00		53.5		<1.0	0	76	105	<5	79	<5	0.19	70	7
					E6562005	140.00	141.00	1.00		59.4		<1.0	0	80	132	<5	72	<5	0.39	70	7
					E6562007	141.00	141.60	0.60		50.3		<1.0	1	79	105	6	69	<5	0.34	70	6
					E6562008	141.60	142.60	1.00		68.0		<1.0	1	80	434	9	73	24	1.49	70	10
					E6562009	142.60	143.20	0.60		60.1		<1.0	1	77	182	7	73	17	0.74	70	8
					E6562010	143.20	144.00	0.80		32.2		<1.0	0	45	97	<5	62	<5	0.11	70	4
					E6562011	144.00	145.00	1.00		43.9		<1.0	1	58	57	7	72	9	0.26	70	5
					E6562013	145.00	146.00	1.00		30.2		<1.0	0	48	72	5	69	6	0.11	70	4
					E6562014	146.00	147.00	1.00		55.4		<1.0	0	60	284	<5	73	10	0.09	91	8
					E6562015	147.00	148.00	1.00		44.0		<1.0	0	67	94	<5	77	<5	0.17	95	6
					E6562016	148.00	149.00	1.00		47.5		<1.0	0	65	80	5	80	<5	0.20	95	6
					E6562017	149.00	150.00	1.00		43.4		<1.0	0	89	53	8	113	<5	0.03	95	6
					E6562019	150.00	151.00	1.00		45.4		<1.0	0	76	72	6	85	<5	0.25	95	6
					E6562020	151.00	151.47	0.47		52.3		<1.0	0	103	88	8	144	<5	0.29	95	7
151.47	152.69	IMLAM	LMP	Lamprophyre MG lamprophyre.	E6562021	151.47	152.69	1.22		38.4		<1.0	0	316	15	34	123	<5	<0.01	71	8
152.69	158.50	VMP	VMP	Mafic Volcanic - Pillowed Flow Pillowed mafic flow. Pillows preserve significant interpillow material, similar to the pillowed unit from 0.8-13.23.	E6562022	152.69	154.00	1.31		50.5		<1.0	0	89	99	33	188	17	0.23	70	7
					E6562023	154.00	155.00	1.00		37.4		<1.0	1	64	353	127	761	27	0.31	70	9
					E6562024	155.00	156.00	1.00		49.5		1.0	1	78	931	48	240	22	0.40	70	13
					E6562025	156.00	157.00	1.00		50.8		2.0	1	79	628	793	351	31	0.31	70	14
					E6562027	157.00	158.00	1.00		22.9		<1.0	1	69	963	317	361	15	0.14	70	11
					E6562028	158.00	158.50	0.50		75.2		1.0	2	80	257	707	284	64	0.80	70	12
158.50	166.00	IFP	IFP	Felsic Porphyry FG felsic dike with MG quartz, feldspar porphyry crystals. QFP.	E6562029	158.50	159.50	1.00		18.9		<1.0	0	59	24	55	130	9	0.02	70	3
166.00		EOH		End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	3.03					
5.00	8.00		2.96					
8.00	11.00		3.04					
11.00	14.00		2.96					
14.00	17.00		2.99					
17.00	20.00		3.01					
20.00	23.00		2.99					
23.00	26.00		2.94					
26.00	29.00		2.94					
29.00	32.00		3.03					
32.00	35.00		3.00					
35.00	38.00		2.99					
38.00	41.00		2.96					
41.00	44.00		3.11					
44.00	47.00		2.94					
47.00	50.00		3.01					
50.00	53.00		2.95					
53.00	56.00		3.02					
56.00	59.00		3.02					
59.00	62.00		2.96					
62.00	65.00		2.99					
65.00	68.00		3.07					
68.00	71.00		2.98					
71.00	74.00		3.01					
74.00	77.00		2.94					
77.00	80.00		3.08					
80.00	83.00		2.90					
83.00	86.00		3.08					
86.00	89.00		2.95					
89.00	92.00		2.98					
92.00	95.00		3.02					
95.00	98.00		2.99					
98.00	101.00		2.90					
101.00	104.00		3.10					
104.00	107.00		2.95					
107.00	110.00		3.07					
110.00	113.00		2.95					
113.00	116.00		3.06					
116.00	119.00		2.90					
119.00	122.00		3.08					
122.00	125.00		2.99					
125.00	128.00		3.04					
128.00	131.00		2.94					

131.00	134.00		3.06
134.00	137.00		2.95
137.00	140.00		3.08
140.00	143.00		2.95
143.00	146.00		2.96
146.00	149.00		3.03
149.00	152.00		2.93
152.00	155.00		3.04
155.00	158.00		3.03
158.00	161.00		3.97
161.00	164.00		3.05
164.00	166.00	2.00	2.13

EOH

Cobalt North Project

Drill Log FCC-18-0050

COLLAR INFORMATION

Easting: 613,109.48 m **Azimuth:** 108.60°
Northing: 5,228,932.31 m **Dip:** -45.20°
Elevation: 323.27 m **Length:** 152.00 m
Target: testing "Woods Vein?" from Knight Mapping

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	108.6°	108.6°	-45.2°	Collar
14.00	121.1°	108.6°	-44.7°	EZ-Trac
50.00	121.2°	108.7°	-44.4°	EZ-Trac
101.00	122.2°	109.7°	-44.1°	EZ-Trac
152.00	122.6°	110.1°	-43.4°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Drilling	0.0	155.0	Laframboise Drilling	2018-May-03	May-04	
Geotech - Basic	5.0	68.0	Ebison Eldho	2018-May-05	May-05	
Geotech - Basic	68.0	155.0	Dave Lamontagne	2018-May-06	May-06	
Core Logging	0.0	155.0	Gerhard Kiessling	2018-May-06	May-08	

Comments:

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	2.15	OVB	OVB	Overburden Small interval of casing, fragments of mixed litho, weathered.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
2.15	26.93	VMM	VMM	Mafic Volcanic - Massive Flow	E6561022	2.15	3.00	0.85		50.9		<1.0	0	84	29	8	80	<5	<0.01	21	6
				Massive dark grey/green fine grained volcanic unit, various fractures, no pillow structures, minor veining, weak epidote alteration, some foliation/shearing starting at 25m and continuing after lamp dyke. 1-2% mg-cg blobs of diss py/po, tr sph.	E6561023	3.00	4.00	1.00		62.0		<1.0	0	100	98	7	90	<5	0.14	12	8
					E6561024	4.00	5.00	1.00		64.0		<1.0	0	106	128	146	1140	<5	0.37	12	12
					E6561025	5.00	6.00	1.00		56.3		<1.0	0	97	120	18	91	<5	0.17	12	7
					E6561027	6.00	7.00	1.00		64.2		<1.0	0	103	64	8	118	<5	0.13	12	8
					E6561028	7.00	8.00	1.00		64.9		<1.0	0	107	83	<5	108	<5	0.14	12	8
					E6561029	8.00	9.00	1.00		61.3		<1.0	0	99	62	8	73	<5	0.10	12	7
					E6561030	9.00	10.00	1.00		71.6		<1.0	0	110	149	9	107	<5	0.38	12	9
					E6561032	10.00	11.00	1.00		1.0		<1.0	0	<5	<5	<5	<5	<5	<0.01	12	
					E6561033	11.00	12.00	1.00		75.4		<1.0	1	131	204	10	119	<5	0.59	12	10
					E6561034	12.00	13.00	1.00		64.1		<1.0	0	115	156	7	108	<5	0.39	12	9
					E6561035	13.00	14.00	1.00		60.0		<1.0	0	109	27	<5	90	<5	0.09	12	7
					E6561036	14.00	15.00	1.00		51.8		<1.0	0	118	132	6	113	<5	0.20	12	7
					E6561037	15.00	16.00	1.00		61.3		<1.0	0	115	85	<5	102	<5	0.24	12	8
					E6561039	16.00	17.00	1.00		52.1		<1.0	0	114	66	11	110	6	0.17	12	7
					E6561040	17.00	18.00	1.00		62.1		<1.0	0	132	91	31	135	<5	0.21	12	8
					E6561041	18.00	19.00	1.00		62.0		<1.0	0	1000	101	15	101	<5	0.34	12	20
					E6561042	19.00	20.00	1.00		55.7		<1.0	0	128	35	130	95	<5	0.04	12	8
					E6561043	20.00	21.00	1.00		51.8		<1.0	0	113	91	35	147	<5	0.02	12	7
					E6561044	21.00	22.00	1.00		53.8		<1.0	0	132	60	17	104	<5	0.08	12	7
					E6561045	22.00	23.00	1.00		65.5		<1.0	0	110	104	10	89	<5	0.14	12	8
					E6561047	23.00	24.00	1.00		59.0		<1.0	0	98	133	<5	88	<5	0.25	12	8
					E6561048	24.00	25.00	1.00		63.3		<1.0	0	121	66	<5	76	<5	0.08	12	8
					E6561049	25.00	26.00	1.00		74.2		<1.0	0	119	78	5	89	<5	0.39	12	9
					E6561050	26.00	26.93	0.93		79.4		<1.0	0	116	252	27	110	8	0.62	12	11
26.93	29.41	IMLAM	LMP	Lamprophyre	E6561051	26.93	27.50	0.57		43.5		<1.0	0	152	148	6	129	<5	0.01	12	7
				Dark grey, medium grained, massive, mg biotite at 5%. Sharp UC and LC. Cutting through foliation in VMM unit.	E6561053	27.50	28.50	1.00		48.3		<1.0	0	166	182	12	163	<5	<0.01	12	8
				Fresh/barren.	E6561054	28.50	29.41	0.91		52.3		<1.0	0	169	17	19	148	<5	<0.01	12	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
29.41	74.42	VMM	VMM	Mafic Volcanic - Massive Flow	E6561055	29.41	30.00	0.59		80.9		<1.0	0	120	107	11	104	12	0.50	12	10
				Massive dark grey/green fine grained volcanic unit, various fractures, no pillow structures, minor veining, weak epidote/bleaching alteration from 29.41 to 33m, and from 33-45m epidote/bl alt that is patchy but mod-strong when present. Foliation after Lamp contact at 29.41 continuing to 35m. A few large cg well formed feldspar phenocrysts at 35.5 to 39m (photos taken). 1-2% mg-cg blobs of diss py/po, tr sph/cpy from 29.41-31m, from 31-45 min decreases to tr mg py/po, and increases from 45-53m to tr-1% fg-cg py/po, tr sph.	E6561056	30.00	31.00	1.00		68.2		<1.0	0	99	181	<5	108	<5	0.46	12	9
					E6561057	31.00	32.00	1.00		42.9		<1.0	0	69	128	6	62	<5	0.26	0	6
					E6561059	32.00	33.00	1.00		41.1		<1.0	0	65	145	<5	37	5	0.09	0	6
					E6561060	33.00	34.00	1.00		52.6		<1.0	0	94	42	15	99	6	0.02	0	7
					E6561061	34.00	35.00	1.00		49.2		<1.0	0	93	30	37	246	<5	<0.01	0	7
					E6561062	35.00	36.00	1.00		49.6		<1.0	0	82	52	32	298	<5	0.04	0	7
					E6561063	36.00	37.00	1.00		42.1		<1.0	0	66	36	12	73	7	<0.01	0	5
					E6561064	37.00	38.00	1.00		52.1		<1.0	0	86	21	9	55	5	<0.01	0	6
					E6561065	38.00	39.00	1.00		42.5		<1.0	0	68	16	6	53	<5	<0.01	0	5
					E6561067	39.00	40.00	1.00		40.8		<1.0	0	70	14	6	55	<5	<0.01	45	5
					E6561068	40.00	41.00	1.00		44.3		<1.0	0	68	20	5	52	<5	<0.01	45	5
					E6561069	41.00	42.00	1.00		44.3		<1.0	0	60	43	48	91	<5	<0.01	45	5
					E6561070	42.00	43.00	1.00		40.9		<1.0	0	60	34	22	123	<5	<0.01	45	5
					E6561071	43.00	44.00	1.00		52.4		<1.0	0	63	218	218	3640	<5	0.25	45	19
					E6561073	44.00	45.00	1.00		51.5		<1.0	0	70	73	99	352	8	0.11	45	7
					E6561074	45.00	46.00	1.00		45.1		<1.0	0	62	46	65	473	<5	0.07	45	7
					E6561075	46.00	47.00	1.00		54.4		<1.0	0	55	112	52	253	47	0.49	45	7
					E6561076	47.00	48.00	1.00		51.9		<1.0	0	79	48	834	524	26	0.31	45	10
					E6561077	48.00	49.00	1.00		36.6		<1.0	0	62	27	85	230	<5	<0.01	45	5
					E6561079	49.00	50.00	1.00		40.2		<1.0	0	75	24	111	535	5	0.07	45	7
					E6561080	50.00	51.00	1.00		48.1		<1.0	0	79	9	69	152	8	<0.01	45	6
					E6561081	51.00	52.00	1.00		69.9		<1.0	0	88	65	20	145	24	<0.01	45	8
					E6561082	52.00	53.00	1.00		49.5		<1.0	0	86	18	43	97	5	<0.01	100	6
					E6561083	53.00	54.00	1.00		50.2		<1.0	0	84	14	25	114	<5	<0.01	100	6
					E6561084	54.00	55.00	1.00		51.7		<1.0	0	84	30	37	121	<5	<0.01	100	6
					E6561085	55.00	56.00	1.00		56.8		<1.0	0	91	79	131	683	6	0.13	100	9
					E6561087	56.00	57.00	1.00		61.2		<1.0	3	108	52	103	339	38	0.20	100	9
					E6561088	57.00	58.00	1.00		45.8		<1.0	1	78	64	52	177	10	0.02	135	6
					E6561089	58.00	59.00	1.00		43.8		<1.0	0	243	138	161	162	5	<0.01	135	9
					E6561090	59.00	60.00	1.00		46.2		<1.0	0	72	37	56	100	<5	<0.01	135	6
					E6561091	60.00	61.00	1.00		51.5		<1.0	0	84	139	16	110	<5	<0.01	135	7
					E6561093	61.00	62.00	1.00		52.0		<1.0	0	87	132	13	93	<5	0.05	135	7
					E6561094	62.00	63.00	1.00		55.7		<1.0	0	85	59	9	90	<5	0.06	135	7
					E6561095	63.00	64.00	1.00		59.9		<1.0	0	79	243	12	81	13	0.08	135	8
					E6561096	64.00	65.00	1.00		62.2		<1.0	0	76	140	7	57	<5	0.10	135	8
					E6561097	65.00	66.00	1.00		50.7		<1.0	0	78	37	<5	69	<5	<0.01	135	6
					E6561099	66.00	67.00	1.00		52.6		<1.0	0	85	22	<5	84	<5	<0.01	135	6
					E6561100	67.00	68.00	1.00		54.2		<1.0	0	86	22	12	114	<5	<0.01	135	6
					E6563101	68.00	69.00	1.00		43.9		<1.0	0	66	371	15	44	42	0.25	113	7
					E6563102	69.00	70.00	1.00		46.5		<1.0	0	79	49	<5	66	5	0.16	120	6
					E6563103	70.00	71.00	1.00		47.0		<1.0	0	85	12	<5	51	5	0.14	119	6

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
74.42	90.23	SHAL	SHAL	Shale - Vein Zone Dark grey to black in colour, fine grained, scratches dark grey, UC obliterated by carb vein noted. Weakish pervasive chl alt, with pervasive to spotty grey crb/sil alt throughout unit. Fg-cg py at 4-6%. Looks massive, no clear bedding: unsure of whether simply altered volcanics or shale unit. Pervasive brecciation from many white-pink carb veins over entire unit, strongest veins noted. Interflow shales within volcanic?	E6563104	71.00	72.00	1.00		51.0		<1.0	0	86	23	29	48	24	0.23	119	6
					E6563105	72.00	73.00	1.00		36.8		<1.0	0	72	25	11	38	15	0.09	119	5
					E6563107	73.00	74.00	1.00		50.6		1.0	3	71	59	8	46	73	0.18	118	6
					E6563108	74.00	74.42	0.42		654.0		<1.0	2	146	92	83	36	312	2.02	120	61
					E6563109	74.42	75.00	0.58		837.0		<1.0	3	171	100	51	19	804	2.04	174	77
					E6563110	75.00	76.00	1.00		102.0		<1.0	1	100	23	18	144	65	0.32	190	11
					E6563111	76.00	77.00	1.00		66.7		<1.0	0	111	24	<5	43	44	0.09	124	8
					E6563113	77.00	78.00	1.00		74.1		<1.0	3	188	203	12	51	59	1.29	121	11
					E6563114	78.00	79.00	1.00		73.4		<1.0	1	115	127	15	120	31	0.25	124	9
					E6563115	79.00	80.00	1.00		63.8		<1.0	0	102	110	12	57	17	0.32	122	8
					E6563116	80.00	81.00	1.00		129.0		<1.0	1	220	535	<5	54	64	1.16	121	18
					E6563117	81.00	82.00	1.00		66.9		<1.0	0	126	228	<5	33	23	0.25	131	9
					E6563119	82.00	83.00	1.00		57.7		<1.0	0	151	202	<5	35	22	0.25	122	9
					E6563120	83.00	84.00	1.00		38.1		<1.0	0	122	280	<5	34	6	0.16	122	7
					E6563121	84.00	85.00	1.00		66.7		<1.0	0	111	36	<5	37	25	0.20	120	8
E6563122	85.00	86.00	1.00		115.0		<1.0	0	152	302	<5	43	60	0.59	107	14					
E6563123	86.00	87.00	1.00		53.7	50016	31439	1.0	0	124	1280	6	37	22	0.35	19680	16				
E6563124	87.00	88.00	1.00		33.5		<1.0	0	113	403	7	30	21	0.20	103	7					
E6563125	88.00	89.00	1.00		42.0		<1.0	0	104	178	38	30	32	0.29	95	7					
E6563127	89.00	89.50	0.50		197.0		<1.0	1	111	250	9	29	176	0.39	94	21					
E6563128	89.50	90.23	0.73		37.8		<1.0	0	90	31	<5	29	39	0.13	108	5					
90.23	92.01	IMLAM	LMP	Lamprophyre Dark grey, mg, massive, biotite 3-5%, few minor carb veins. Fresh. Sharp UC and LC.	E6563129	90.23	91.23	1.00		38.4		<1.0	0	144	23	<5	42	37	0.13	92	6
					E6563130	91.23	92.01	0.78		37.0		<1.0	0	140	23	<5	49	22	0.14	93	6
92.01	96.21	IF	IF	Felsic Intrusive - Rhyolite / Vein Zone Medium grey, to almost beige-grey, fg, massive, Sharp UC/LC. Sharp UC and LC, Various white-pink carb veins and brecciation throughout. One pink carb vein at 93.78m with Aspy. Mod grey mix of sil/crb alt throughout until VM contact.	E6563131	92.01	93.00	0.99		22.2		<1.0	0	78	93	40	84	16	0.11	93	4
					E6563133	93.00	94.00	1.00		291.0		<1.0	2	261	24	15	252	336	0.39	91	30
					E6563134	94.00	95.00	1.00		49.3		<1.0	1	78	13	46	182	103	0.06	87	6
					E6563135	95.00	95.50	0.50		53.4		<1.0	0	83	41	20	72	64	0.17	63	6
					E6563136	95.50	96.21	0.71		48.7		<1.0	0	98	31	10	70	56	0.19	63	6
96.21	99.13	VM	VM	Mafic Volcanic Dark greyish green, fg, massive, some fractures, minor veining and some fractures, patchy weak epidote and bleach alteration. Tr-1% fg-cg py, tr mg po.	E6563137	96.21	97.21	1.00		66.9		<1.0	1	112	293	<5	83	28	0.54	63	10
					E6563139	97.21	98.21	1.00		62.5		<1.0	1	126	420	<5	74	35	0.81	66	10
					E6563140	98.21	99.13	0.92		62.2		<1.0	1	105	365	<5	69	30	0.58	67	10
99.13	107.10	IMLAM	LMP	Lamprophyre Dark grey, mg, fine grained, massive, biotite visible at 3-5%. Sharp UC/LC. Lamp appears to truncate most veining and alt, suggesting it post dates them.	E6563141	99.13	100.00	0.87		40.6		<1.0	0	117	29	<5	93	7	<0.01	57	6
					E6563142	100.00	101.00	1.00		95.1		<1.0	0	104	27	7	70	64	0.11	57	10
					E6563143	101.00	102.00	1.00		55.9		<1.0	0	111	52	19	88	21	0.05	57	7
					E6563144	102.00	103.00	1.00		50.4		<1.0	0	106	21	22	87	6	<0.01	57	6
					E6563145	103.00	104.00	1.00		48.6		<1.0	0	73	23	17	66	5	<0.01	57	6
					E6563147	104.00	105.00	1.00		58.7		<1.0	0	177	115	69	124	11	0.16	57	9
					E6563148	105.00	106.00	1.00		70.9		<1.0	1	175	407	32	483	18	0.63	57	13
					E6563149	106.00	106.50	0.50		48.5		<1.0	0	182	16	86	119	8	0.02	57	7
					E6563150	106.50	107.10	0.60		41.4		<1.0	0	244	19	380	139	5	0.01	57	8

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
107.10	129.47	VM	VM	Mafic Volcanic	E6563151	107.10	108.00	0.90		64.6		<1.0	0	104	180	131	205	16	0.17	32	9	
				Dark greyish green, fg, massive, some fractures, minor veining and some fracture foliation noted. Patchy weak epidote and bleach alteration that is pervasive accross unit. Tr-1% fg-cg py, tr fg-mg po, at which point tr-1% fg-mg sph starts to become present from 116-126m.	E6563153	108.00	109.00	1.00		67.1		<1.0	1	136	226	73	170	21	0.27	0	10	
					E6563154	109.00	110.00	1.00		64.9		<1.0	1	166	52	20	179	59	0.47	59	9	
					E6563155	110.00	111.00	1.00		50.8		<1.0	0	78	16	24	105	7	0.03	70	6	
					E6563156	111.00	112.00	1.00		61.6		<1.0	0	118	20	129	138	22	0.11	70	8	
					E6563157	112.00	113.00	1.00		49.2		<1.0	0	98	9	84	121	10	<0.01	70	6	
					E6563159	113.00	114.00	1.00		52.3		<1.0	0	111	25	61	140	5	<0.01	70	7	
					E6563160	114.00	115.00	1.00		53.7		<1.0	0	85	31	20	138	<5	0.06	70	7	
					E6563161	115.00	116.00	1.00		50.1		<1.0	0	107	35	43	178	8	0.04	70	7	
					E6563162	116.00	117.00	1.00		48.0		<1.0	0	121	22	44	155	8	0.02	70	7	
					E6563163	117.00	118.00	1.00		50.6		<1.0	0	135	47	15	147	5	<0.01	70	7	
					E6563164	118.00	119.00	1.00		49.7		<1.0	0	153	25	<5	130	<5	<0.01	70	7	
					E6563165	119.00	120.00	1.00		61.8		<1.0	0	192	11	24	117	<5	<0.01	70	9	
					E6563167	120.00	121.00	1.00		41.6		<1.0	0	90	28	131	256	10	0.03	70	6	
					E6563168	121.00	122.00	1.00		50.0		<1.0	0	82	23	223	432	<5	<0.01	70	8	
					E6563169	122.00	123.00	1.00		55.0		<1.0	0	92	28	31	269	<5	<0.01	70	7	
					E6563170	123.00	124.00	1.00		52.3		<1.0	0	88	20	23	144	<5	<0.01	70	6	
					E6563171	124.00	125.00	1.00		36.3		<1.0	0	66	12	44	116	<5	<0.01	70	5	
					E6563173	125.00	126.00	1.00		52.2		<1.0	0	110	36	47	133	9	0.24	80	7	
					E6563174	126.00	127.00	1.00		57.5		<1.0	0	92	111	30	103	8	0.29	77	7	
					E6563175	127.00	128.00	1.00		65.3		<1.0	0	107	242	42	125	14	0.47	78	9	
					E6563176	128.00	129.00	1.00		77.5		2.0	0	116	203	70	120	39	0.60	79	11	
					E6563177	129.00	129.42	0.42		65.6		<1.0	10	109	51	18	82	1070	0.19	81	8	
129.47	129.72	VEIN	VEIN	Vein Co / Ag	E6563179	129.42	129.72	0.30		48800.0		11.0	7690	26600	18	335	529	139000	4.03	78	4678	
				Co bearing vein followed by wipsy Ag slivers. Co bearing vein is greyish carb, with cg Skud and Coblt taking up roughly 60-70% of vein itself, mixed in within some aspy. Vein is proceeded by thin interval of cg aspy min from 129.31-129.47m, followed by the main Co vein with Co bearing tension gashes at 129.47-129.62m, which is then followed by another vein surrounded by wispy Ag from 129.68-129.72m (which is also near parallel to tension gashes in Co vein). Weak hem within vein itself and lies within a weak patchy epidote/bl zone with tr py/po.																		

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
129.72	141.70	VM	VM	Mafic Volcanic Dark greyish green, fg, massive, some fractures, minor veining and some fracture foliation noted. Patchy weak epidote and bleach alteration. Tr-1% fg-cg py, tr fg-mg po.	E6563182	129.72	130.02	0.30		79.9		4.0	11	113	31	6	95	337	0.13	4748	11
					E6563183	130.02	131.00	0.98		83.5		<1.0	60	122	23	52	157	81	0.22	81	10
					E6563184	131.00	132.00	1.00		59.3		<1.0	3	128	10	20	98	37	0.15	80	7
					E6563185	132.00	133.00	1.00		61.7		2.0	1	107	54	47	130	17	0.17	78	9
					E6563187	133.00	134.00	1.00		54.7		<1.0	0	116	11	6	144	<5	<0.01	70	7
					E6563188	134.00	135.00	1.00		53.2		<1.0	0	108	17	34	137	12	<0.01	70	7
					E6563189	135.00	136.00	1.00		55.5		<1.0	0	99	11	54	130	8	<0.01	70	7
					E6563190	136.00	137.00	1.00		45.8		<1.0	0	76	19	48	117	<5	<0.01	70	6
					E6563191	137.00	138.00	1.00		51.6		<1.0	0	105	27	48	172	7	<0.01	70	7
					E6563193	138.00	139.00	1.00		41.3		<1.0	0	107	14	34	155	7	<0.01	70	6
					E6563194	139.00	140.00	1.00		52.5		<1.0	0	113	20	68	131	18	0.04	70	7
					E6563195	140.00	141.00	1.00		46.6		<1.0	0	94	6	67	113	6	<0.01	70	6
					E6563196	141.00	141.70	0.70		46.6		<1.0	0	99	26	78	164	<5	<0.01	70	6
141.70	143.94	IMLAM	LMP	Lamprophyre Dark grey, massive, medium grained, biotite mostly mg with some cg up to 6-7%. Sharp UC and LC. Barren, very minor/weak epidote/bl.	E6563197	141.70	142.00	0.30		48.1		<1.0	0	328	13	43	120	7	<0.01	70	9
					E6563199	142.00	143.00	1.00		41.8		<1.0	0	242	52	315	303	6	0.01	70	9
					E6563200	143.00	143.94	0.94		53.4		<1.0	0	298	41	330	1320	12	0.07	70	14
143.94	155.00	VM	VM	Mafic Volcanic Dark greyish green, fg, massive, some spaced fracture foliation as well as periods of chl alignment with epidote/bl at 146-147m. Patchy weak epidote and bleach alteration. Tr fg-mg po/py.	E6563201	143.94	144.50	0.56		52.5		<1.0	0	132	24	40	172	6	0.05	70	7
					E6563202	144.50	145.00	0.50		42.9		<1.0	0	186	109	20	130	<5	<0.01	70	8
					E6563203	145.00	146.00	1.00		31.7		<1.0	0	172	23	9	90	<5	<0.01	70	6
					E6563204	146.00	147.00	1.00		94.3		<1.0	0	159	208	25	81	<5	0.70	91	12
					E6563205	147.00	148.00	1.00		41.4		<1.0	0	78	46	20	111	7	<0.01	95	5
					E6563207	148.00	149.00	1.00		28.5		<1.0	1	51	16	91	314	<5	0.03	95	5
					E6563208	149.00	150.00	1.00		40.1		<1.0	0	88	12	28	148	<5	<0.01	95	5
					E6563209	150.00	151.00	1.00		39.3		<1.0	0	83	16	37	148	<5	<0.01	95	5
					E6563210	151.00	152.00	1.00		45.0		<1.0	0	87	12	13	92	<5	<0.01	82	6
					E6563211	152.00	153.00	1.00		49.5		<1.0	0	74	34	23	87	9	<0.01	70	6
					E6563213	153.00	154.00	1.00		48.8		<1.0	0	92	41	43	95	<5	<0.01	70	6
					E6563214	154.00	155.00	1.00		56.9		<1.0	0	88	112	19	88	7	<0.01	70	7
155.00	155.00	EOH	EOH	End of Hole End Of Hole																	
	152.00	EOH		End of hole.																	

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
5.00	8.00	3.00	2.97					
8.00	11.00		2.96					
11.00	14.00		2.91					
14.00	17.00		3.30					
17.00	20.00		3.00					
20.00	23.00		3.01					
23.00	26.00		3.00					
26.00	29.00		3.03					
29.00	32.00		2.99					
32.00	35.00		3.00					
35.00	38.00		2.94					
38.00	41.00		3.08					
41.00	44.00		2.87					
44.00	47.00		3.02					
47.00	50.00		2.72					
50.00	53.00		3.18					
53.00	56.00		3.00					
56.00	59.00		2.99					
59.00	62.00		2.94					
62.00	65.00		3.05					
65.00	68.00		3.00					
68.00	71.00		2.98					
71.00	74.00		2.99					
74.00	77.00		3.00					
77.00	80.00		2.99					
80.00	83.00		2.98					
83.00	86.00		3.04					
86.00	89.00		3.09					
89.00	92.00		2.96					
92.00	95.00		3.03					
95.00	98.00		3.07					
98.00	101.00		2.92					
101.00	104.00		3.06					
104.00	107.00		2.99					
107.00	110.00		3.02					
110.00	113.00		2.88					
113.00	116.00		3.09					
116.00	119.00		3.02					
119.00	122.00		2.99					
122.00	125.00		3.12					
125.00	128.00		3.00					
128.00	131.00		3.04					
131.00	134.00		2.95					

134.00	137.00	3.08
137.00	140.00	2.96
140.00	143.00	3.04
143.00	146.00	2.95
146.00	149.00	3.06
149.00	152.00	2.95
152.00	155.00	3.06

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0132

COLLAR INFORMATION

Easting: 613,172.64 m
Northing: 5,228,894.20 m
Elevation: 302.91 m
Target: drill under FCC-18-0050

Azimuth: 269.00°
Dip: -60.00°
Length: 149.00 m

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	269.0°	269.0°	-60.0°	Collar
20.00	281.5°	269.0°	-59.7°	EZ-Trac
50.00	281.4°	268.9°	-59.4°	EZ-Trac
101.00	282.2°	269.7°	-59.1°	EZ-Trac
149.00	282.4°	269.9°	-58.8°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	149.0	Dan Chisholm	2018-Sep-18	Sep-21	
Drilling	0.0	149.0	Laframboise Drilling	2018-Sep-18	Sep-19	
Geotech + Orient	0.0	149.0	Mayank Patel	2018-Sep-19	Sep-20	
Core Logging	0.0	149.0	Gerhard Kiessling	2018-Sep-19	Sep-21	

Comments:

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.10	CAS	CAS	Casing
1.10	25.22	VMM	VM	Mafic Volcanic Black to dark greenish grey fine grained mafic volcanic. Local shearing, lenses of mod epidote and bleaching alteration throughout. Minor grey carb veins with varying amounts of py mineralization from tr to 2-3%, occasionally some minor tr sph.
1.10	22.00	MIN		0.5% Sum tr-1% fg-cg diss py in host rock, in veins, and diss blebs.
7.33	7.43	VEIN	Carb-Sul	Massive 1 cm Massive grey carb vein, 2-3% cg py, well formed.
8.43	8.48	VEIN	Carb-Sul	Massive 2 cm Massive white carb vein, chl blebs, 1% cg py, well formed.
9.05	9.14	VEIN	Carb-Sul	Massive 1.5 cm Massive light grey vein, chl planes along sides, weak kspar within vein, tr-1% fg-mg py.
11.26	11.42	STRC	FOL	077°/74° a = 020° Foliation from location shearing, epi/bl alt.
13.45	13.60	VEIN	Carb-Sul	Massive 0.5 cm Grey carb vein, chl foliations on either side parallel to vein, 1% mg py paralle to vein/within vein.
22.42	22.48	VEIN	Carb-Sul	Massive 0.2 cm Thin grey carb vein, with 1mm of chl on either side, two little strands parallel and right beside each other, bleby sph up to 1%, 1-25 cg py.
23.00	23.45	STRC	FOL	033°/85° a = 029° Foliation from location shearing, epi/bl alt.
24.04	24.30	VEIN	Carb-Sul	Massive 1 cm Thin .25 cm grey carb veins, with 3-5% cg py, and chl/sil alt aureole around the veins, almost looks like a QFS.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
E5722681	21.00	22.00	1.00		60.0		0.5		130	150	200	580	<100			11
E5722682	22.00	23.00	1.00		20.0		1.4		60	130	500	940	<100		13	8
E5722683	23.00	24.00	1.00		50.0		0.3		20	40	<100	180	<100		11	6
E5722684	24.00	24.70	0.70		80.0		0.6		110	220	100	140	<100		8	11
E5722685	24.70	25.22	0.52		40.0		0.3		90	90	200	170	<100		14	7

DRILL LOG

GEOLOGY							VISUAL ESTIMATES AND ASSAY RESULTS																		
From	To	Code	Label	Comment			Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act		
25.22	29.24	IMLAM	LMP	Lamprophyre			E5722687	25.22	25.76	0.54		50.0		0.2		310	20	100	180	<100		9	10		
				Dark grey to blackish medium grained mafic intrusive, biotite up to 7%, sharp UC and slightly sheared LC. Vuggy quartz carb veining with oxidization, a lot of the carb is gone leaving rusty vuggy veins, some of it is ground by the drill, and have 3-5% cg py. Veins are from 26-26.1m, 28.05-28.33m, and			E5722688	25.76	26.33	0.57		70.0		0.3		310	130	100	200	<100		12	12		
							E5722689	26.33	27.00	0.67		80.0		<0.2		310	90	<100	180	<100		15	12		
							E5722690	27.00	28.00	1.00		30.0		<0.2		390	<20	<100	190	<100		15	9		
		22.00	39.48	MIN		1.6% Sum	1-2% fg-cg diss py in host rock, in veins, healed fractures, and diss blebs, tr sph blebs.	E5722691	28.00	28.50	0.50		480.0		0.8	440	190	<100	150	100		11	51		
								E5722693	28.50	29.24	0.74		50.0		0.4	290	270	<100	200	<100		53	11		
		26.00	26.10	VEIN	Carb-Sul	Vuggy	5 cm	Broken and oxidized vuggy qtz-carb vein with 5% cg py, partly ground.																	
		28.05	28.33	VEIN	Carb-Sul	Vuggy	20 cm	Heavily chl bleby qtz-carb vein, oxidized and vuggy, 2-3% cg py.																	
29.24	55.22	VMP	VMP	Mafic Volcanic - Pillowed Flow			E5722694	29.24	30.00	0.76		50.0		0.6		170	450	<100	230	300		14	11		
				Black to dark greenish grey, fine grained, mafic volcanic. Local shearing, lenses of mod epidote and bleaching alteration throughout. Minor grey carb veins with varying amounts of py mineralization from tr to 2-3%, with higher concentrations of veins and py from 35-47m. A few pillow selvages.			E5722695	30.00	31.00	1.00		70.0		0.4		110	460	<100	180	100		14	12		
							E5722696	31.00	32.00	1.00		70.0		0.2		100	200	<100	170	<100		14	10		
							E5722697	32.00	33.00	1.00		50.0		<0.2		100	90	<100	120	<100		12	7		
		31.00	34.00	STRC	FOL	300°/66°	a = 036°	Spaced healed fracture with fg-mg py min, interpolated parallel through non oriented sections.			E5722699	33.00	34.00	1.00		70.0		0.2	80	160	<100	130	<100	10	9
											E5722700	34.00	35.00	1.00		60.0		0.6	70	130	<100	180	<100	12	8
		35.00	35.36	VEIN	qtz-carb-su	Vuggy	10 cm	two 10cm grey vuggy and heavily oxidized qtz-carb veins with 2-35% cg py, vugs continue a bit further from vein, likely from carb alt or thin stringers being eroded.			E5722701	35.00	35.60	0.60		60.0		4.7	50	3860	200	140	<100	11	35
											E5722702	35.60	36.00	0.40		20.0		0.9	<20	490	<100	120	<100	38	6
											E5722703	36.00	37.00	1.00		30.0		<0.2	60	230	<100	90	<100	9	5
											E5722704	37.00	38.00	1.00		40.0		1.3	90	540	<100	110	<100	8	9
		39.48	39.76	VEIN	Carb-Sul	Massive	15 cm	Grey carb vein, heavily chl altered, 3-5% very cg py.			E5722705	38.00	39.00	1.00		50.0		0.3	90	170	<100	120	100	12	7
		42.34	42.51	VEIN	Carb-Sul	SetPara	2 cm	Two grey parallel 2cm carb veins, mod chl aureole, 3-5% mg-cg py, py has slight oxidation halo around them.			E5722707	39.00	40.00	1.00		80.0		0.5	100	370	<100	180	100	10	12
											E5722708	40.00	41.00	1.00		60.0		0.3	80	120	<100	160	<100	14	8
											E5722709	41.00	42.00	1.00		60.0		<0.2	60	30	<100	160	<100	11	7
											E5722710	42.00	43.00	1.00		100.0		9.0	100	4810	200	370	<100	10	48
		45.05	45.24	VEIN	Carb-Sul	Massive	8 cm	Massive grey carb vein, strong chl alteration, 3-5% very cg py diss within.			E5722711	43.00	44.00	1.00		70.0		0.2	100	320	<100	190	<100	51	10
											E5722713	44.00	45.00	1.00		50.0		<0.2	70	120	<100	170	<100	13	7
		46.87	46.93	VEIN	Carb-Sul	Massive	1.5 cm	Massive 1.5m thick carb vein, weak chl, cg py taking up 40% of vein.			E5722714	45.00	46.00	1.00		90.0		0.9	80	360	300	320	100	9	14
											E5722715	46.00	47.00	1.00		70.0		0.9	100	200	100	260	100	16	10
		51.45	51.55	VEIN	Carb-Sul	Vuggy	2 cm	Thin vuggy and oxidized carb vein, strong chl alt, 2-3% mg-cg py.			E5722716	47.00	48.00	1.00		110.0		0.4	120	130	100	180	100	13	13
											E5722717	48.00	49.00	1.00		70.0		0.3	100	110	<100	260	100	16	9
		54.20	54.57	STRC	BX	320°/85°	a = 028°	Flt Bx, or Volcanic bx? Section with strong chl, alteration halos around spherical features. Unsure if altered primary brecciation or more likely sound faulting.			E5722719	49.00	50.00	1.00		90.0		1.1	290	200	500	820	100	12	18
											E5722720	50.00	51.00	1.00		30.0		0.2	120	40	<100	170	<100	20	5
											E5722721	51.00	52.00	1.00		90.0		0.2	130	250	<100	140	<100	8	12
											E5722722	52.00	53.00	1.00		70.0		0.4	170	240	<100	130	100	15	11
											E5722723	53.00	54.00	1.00		50.0		0.6	150	240	<100	140	200	13	9
											E5722724	54.00	54.63	0.63		70.0		0.4	100	3830	<100	110	100	12	34
											E5722725	54.63	55.15	0.52		50.0		0.3	100	880	<100	140	100	37	12

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
55.22	55.59	FLTZ	FLTZ	Fault Zone Fault zone. Comprised of chl/ser shear from 55.22-55.31m, followed by pink carb vein from 55.31-55.37m, lastly by a brittle quartz rich fault from 55.37-55.59m. Alteration is chl/ser within shear, 1-2% fg-mg py.				E5722727	55.15	55.60	0.45		300.0		0.2		160	320	<100	90	200		15	31	
	1.10	55.59	ALT	EPI	PATCHY	5																			
	39.48	55.59	MIN			2.6% Sum																			
	55.22	22.31	STRC	SHEAR	021°/41°	a = 073°																			
	55.31	55.37	VEIN	Qz-Cb-Su	VeinShr	6 cm																			
	55.37	55.59	STRC	FAULT	058°/60°	a = 041°																			
55.59	59.89	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, mafic volcanic, pillowed. Weak epidote and bleaching, 1% fg-mg py diss with host rock, healed fractures and minor veining.				E5722728	55.60	56.00	0.40		50.0		<0.2		130	260	<100	80	<100		34	8	
								E5722729	56.00	57.00	1.00		60.0		<0.2		140	140	<100	100	<100		11	8	
								E5722730	57.00	58.00	1.00		50.0		<0.2		110	50	<100	140	<100		11	7	
								E5722731	58.00	59.00	1.00		50.0		<0.2		110	60	<100	360	<100		9	7	
59.89	60.78	II	IIP	Intermediate Porphyry Massive, medium grained, greyish colour, intermediate feldspar porphyry, sharp UC and LC.																					
60.78	61.25	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, mafic volcanic, pillowed. Weak epidote and bleaching, 1% fg-mg py diss with host rock, healed fractures and minor veining.																					
61.25	61.46	II	IIP	Intermediate Porphyry Massive, medium grained, greyish colour, intermediate feldspar porphyry, sharp UC and LC.																					
	55.59	67.57	MIN			1.1% Sum																			
61.46	73.47	VMP	VM	Mafic Volcanic Dark greyish green, fine grained, mafic volcanic, pillowed to massive. Weak epidote and bleaching, 1% fg-mg py diss with host rock, healed fractures and minor veining. One vein with up to 1% galena and 5-7% sph at 67.57m.				E5722733	66.00	67.00	1.00		70.0		0.4		120	160	<100	130	<100		10	10	
								E5722734	67.00	67.45	0.45		60.0		0.2		120	90	<100	120	<100		12	8	
								E5722735	67.45	68.00	0.55		70.0		1.4		140	720	3500	7000	100		72	43	
								E5722736	68.00	69.00	1.00		80.0		6.7		180	1270	8200	22000	<100		43	108	
								E5722737	69.00	70.00	1.00		60.0		0.3		130	120	100	240	<100		108	9	
	65.00	70.00	STRC	FOL	007°/84°	a = 036°																			
	67.57	67.76	VEIN	Qz-Cb-Su	VeinShr	12 cm																			
	67.57	67.76	MIN			8.0% Sum																			

DRILL LOG

GEOLOGY						VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment		Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
73.47	76.25	II	IIP	Intermediate Porphyry Massive, medium grained, greyish colour, intermediate feldspar porphyry, sharp UC and LC.																			
	67.76	91.00	MIN		0.5% Sum tr-1% fg-mg py diss with host rock, healed fractures and minor veining, tr sph.																		
76.25	94.39	VMM	VM	Mafic Volcanic Dark greyish green, fine grained, mafic volcanic, massive. Weak epidote and bleaching, 1% fg-mg py diss with host rock, healed fractures.																			
	77.00	90.00	STRC	FOL	011°/80° a = 040°																		
94.39	101.06	IMLAM	LMP	Lamprophyre Dark grey to black, medium grained, massive, blebs of kspar and occasionally small felsic intrusive. Biotite up to 7%. Sharp UC and LC.																			
101.06	102.26	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation. Tr fg-mg py.																			
	55.59	102.26	ALT	EPI	PATCHY 2																		
102.26	105.57	IMLAM	LMP	Lamprophyre Dark grey to black, medium grained, massive, blebs of kspar and occasionally small felsic intrusive. Biotite up to 7%. Sharp UC and LC.																			
105.57	108.09	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation. Tr fg-mg py.																			
	106.00	108.00	STRC	FOL	a = 026°																		
108.09	112.09	IMLAM	LMP	Lamprophyre Dark grey to black, medium grained, massive, blebs of kspar and occasionally small felsic intrusive. Biotite up to 7%. Sharp UC and LC.																			
112.09	112.74	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation. Tr fg-mg py.																			

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
112.74	116.35	IMLAM	LMP	Lamprophyre Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation. Tr fg-mg py.																					
116.35	136.03	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation. Tr fg-mg py/po/cpy.																					
	91.00	136.03	MIN			0.1% Sum																			
	102.26	136.03	ALT	EPI	PATCHY	5																			
	122.00	123.00	STRC	FOL		a = 028°																			
	131.26	131.34	VEIN	Qtz	Massive	1 cm																			
136.03	142.60	IMLAM	LMP	Lamprophyre Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation. Has diss mg py up to 1% within lamp, not near contacts or structures or any alteration.																					
142.60	143.10	IF	IF	Felsic Intrusive Coarse grained, mostly feldspar and quartz, some ksapr and mod hem alt. Barren, sharp UC and LC.																					
143.10	146.32	IMLAM	LMP	Lamprophyre Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation.																					
	136.03	146.32	MIN			1.0% Sum																			
146.32	149.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, mafic volcanic, pillowed. Mod epidote and bleaching, generally stronger in local shearing/foliation. Tr fg-mg py/po/cpy.																					
149.00	149.00	EOH	EOH	End of Hole																					
		146.32	149.00	MIN		0.0% Sum																			
		146.32	149.00	ALT	EPI	PATCHY	5																		
	149.00	EOH		End of hole.																					

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
1.00	2.00	1.00						
2.00	5.00		2.99					
5.00	8.00		3.09					
8.00	11.00		2.96					
11.00	14.00		3.02					
14.00	17.00		3.31					
17.00	20.00		2.98					
20.00	23.00		2.94					
23.00	26.00		2.93					
26.00	29.00		2.89					
29.00	32.00		3.00					
32.00	35.00		2.97					
35.00	38.00		2.78					
38.00	41.00		2.99					
41.00	44.00		3.02					
44.00	47.00		3.04					
47.00	50.00		2.85					LOL@49.23;LOL@49.38
50.00	53.00		2.96					
53.00	56.00		3.04					LOL@55.54;LOL@55.57
56.00	59.00		3.02					
59.00	62.00		2.98					
62.00	65.00		3.01					
65.00	68.00		2.96					LOL@67.57;LOL@67.61
68.00	71.00		3.03					
71.00	74.00		2.97					
74.00	77.00		3.00					
77.00	80.00		3.01					
80.00	83.00		3.04					
83.00	86.00		3.00					
86.00	89.00		2.89					
89.00	92.00		2.96					
92.00	95.00		2.99					
95.00	98.00		3.07					
98.00	101.00		2.94					
101.00	104.00		3.02					
104.00	107.00		3.04					
107.00	110.00		3.01					
110.00	113.00		3.01					
113.00	116.00		3.01					
116.00	119.00		2.96					
119.00	122.00		3.12					
122.00	125.00		3.04					
125.00	128.00		2.96					

128.00	131.00	2.98
131.00	134.00	3.04
134.00	137.00	3.05
137.00	140.00	3.00
140.00	143.00	2.97
143.00	146.00	3.02
146.00	149.00	3.00

EOH

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0133

COLLAR INFORMATION

Easting: 613,284.35 m
Northing: 5,228,899.42 m
Elevation: 313.36 m
Target: drill under FCC-18-0050

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	268.5°	268.5°	-60.1°	Collar
17.00	281.0°	268.5°	-59.5°	EZ-Trac
50.00	281.8°	269.3°	-59.2°	EZ-Trac
101.00	281.9°	269.4°	-58.7°	EZ-Trac
152.00	283.6°	271.1°	-58.3°	EZ-Trac
200.00	283.6°	271.1°	-58.1°	EZ-Trac
251.00	284.9°	272.4°	-58.0°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	254.0	Dan Chisholm	2018-Sep-19	Sep-24	
Drilling	0.0	254.0	Laframboise Drilling	2018-Sep-19	Sep-21	
Geotech + Orient	0.0	254.0	Dave Lamontagne	2018-Sep-20	Sep-21	
Core Logging	0.0	68.0	Gerhard Kiessling	2018-Sep-21	Sep-21	
Core Logging	68.0	254.0	Jonathan Warner	2018-Sep-22	Sep-24	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.13	CAS	CAS	Casing
	0.00	11.50	MIN	0.2% Sum Tr diss fg-mg py/po throughout.
1.13	19.04	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greenish grey, fine grained, mafic volcanic, looks locally sheared and heterogenous, likely pillowed volcanics. Lense of epidote an bleaching, sometimes just bleaching, and then other sections with both. Tr fg-mg po/cpy with pods of increased po/cpy up to 3-5% po and up to 1% cpy. Minor veining.
	1.13	11.50	MIN	0.2% Sum Tr diss fg-mg py/po throughout.
	10.80	10.95	STRC	FOL a = 027° Brownish black alteration defining a foliation, is fairly hard so likely not biotite.
	11.50	12.00	MIN	4.0% Sum Lense of increases po/cpy mineralization up to 3-5% po, roughly 1% cpy.
	12.21	12.31	VEIN	Carb-Sul Massive 0.5 cm White carb vein, moderate chl, 3-4% mg-cg py.
	18.45	19.00	STRC	FRAC a = 054° Set of parallel fractures, with weak bl auroles.
19.04	20.18	IMLAM	LMP	Lamprophyre Dark grey to black, medium grained, massive, mafic intrusive, sharp UC and LC. Biotite at 5-7%. Fresh and barren.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
E5722739	10.00	11.00	1.00		64.1		92.0	0	109	146	6	76	<5	0.32		53
E5722740	11.00	12.00	1.00		60.5		8.0	0	100	166	<5	82	<5	0.30	70	12
E5722741	12.00	13.00	1.00		48.2		4.0	0	89	64	16	70	<5	0.08	12	8
E5722742	13.00	14.00	1.00		38.6		4.0	0	69	69	6	63	<5	0.03	8	7

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
20.18	63.47	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greenish grey, fine grained, mafic volcanic, looks locally sheared and heterogenous, likely pillowed volcanics. Lense of epidote an bleaching, sometimes just bleaching, and then other sections with both. Tr fg-mg po/cpy with pods of increased po/cpy up to 3-5% po and up to 1% cpy. Minor veining.																					
	1.14	68.00	ALT	EPI	PATCHY	3																			
	12.00	64.00	MIN			0.2% Sum																			
	27.00	27.19	STRC	FOL		a = 029°																			
	49.30	49.70	STRC	FOL		a = 028°																			
	56.00	57.00	STRC	FOL		a = 040°																			
63.47	72.35	IMLAM	LMP	Lamprophyre Dark grey to black, medium grained, massive, mafic intrusive, sharp UC and LC. Biotite at 7-10%. Fresh and barren.																					
72.35	87.65	VMM	VM	Mafic Volcanic Dark green to grey mostly fine grained locally medium grained. Trace quartz calcite mm-cm thick veins oriented parallel to foliation. Weak local zones of potential volcanoclastic litho associated with medium grained texture. Last 2m of zone is strongly altered (Ser, bio, potassic,)				E6543751	75.00	76.00	1.00		39.5		2.0	0	151	37	18	81	18	0.03		7	
								E6543753	76.00	77.00	1.00		43.8		<1.0	0	176	20	<5	70	51	0.02		7	
								E6543754	77.00	78.00	1.00		41.2		<1.0	0	337	43	<5	124	7	0.02		9	
	76.85	77.90	VEIN	Hem	VeinBx	3 cm																			
	80.00	80.30	MIN			0.5% Sum																			
	85.80	87.70	ALT	POTASSIC	PERVAS	8																			
87.65	88.95	IM	IM	Mafic Intrusive (non-Nipissing) Dark grey, medium grained biotite rich unit. Massive with very trace sulfides throughout.																					
88.95	91.40	IIP	IIP	Intermediate Porphyry Medium brown to dark purple medium grained. Massive with a sharp lower contact.																					
91.40	93.85	VMM	VM	Mafic Volcanic Dark green to grey and massive. Fine grained with a single cm-scale thick qtz vein.				E6543755	92.00	93.00	1.00		37.5		<1.0	0	378	21	12	131	8	<0.01		9	
								E6543756	93.00	93.85	0.85		37.0		<1.0	0	236	55	62	208	16	0.06		8	
	93.35	93.40	VEIN	Carb-Chl	VeinBx	1 cm																			
93.85	95.80	IM	IM	Mafic Intrusive (non-Nipissing) Fine to medium grained biotite rich and massive.				E6543757	93.85	95.00	1.15		40.1		<1.0	0	153	33	20	141	10	0.01		6	
								E6543759	95.00	95.80	0.80		40.3		<1.0	0	157	20	20	146	<5	<0.01		6	

DRILL LOG

GEOLOGY										VISUAL ESTIMATES AND ASSAY RESULTS																		
From	To	Code	Label	Comment						Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act		
95.80	127.80	VMM	VMM	Mafic Volcanic - Massive Flow						E6543760	95.80	97.00	1.20		52.3		<1.0	0	104	133	76	188	5	0.19		8		
				Dark green and fine grained throughout. Local zones of spotted chlorite and local zones of patchy Ep alt. Weak veining throughout. Local zones of moderate foliation associated with weak to mod Ep and Bi alt.						E6543761	97.00	97.50	0.50		119.0		2.0	1	100	904	112	142	<5	2.32	8	20		
									E6543762	97.50	98.50	1.00		56.6		1.0	1	113	145	185	1330	<5	0.45	20	13			
									E6543763	98.50	99.00	0.50		57.3		1.0	1	118	345	545	2830	<5	0.54	13	19			
									E6543764	99.00	99.50	0.50		56.0		<1.0	0	125	44	94	252	9	0.06		8			
127.80	128.45	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry																								
				Sharp uphole and downhole ct. Medium to dark grey.																								
128.45	168.90	VMM	VMM	Mafic Volcanic - Massive Flow						E6543765	147.00	148.00	1.00		58.3		<1.0	0	153	48	33	209	<5	0.13		8		
				Local zones of weak foliation associated with weak ep alt and trace Po. Fine grained, dark green to grey unit throughout. Weak to trace veining. Lower contact is sharp.						E6543767	148.00	149.00	1.00		70.7		<1.0	1	144	176	57	193	10	0.52	8	10		
									E6543768	149.00	149.70	0.70		41.2		<1.0	0	91	72	194	410	<5	0.13	10	7			
									E6543769	149.70	151.00	1.30		41.1		<1.0	0	102	13	66	211	<5	0.02		6			
									E6543770	151.00	152.00	1.00		48.9		<1.0	0	114	15	54	176	<5	0.01		7			
									E6543771	152.00	153.30	1.30		55.3		<1.0	1	168	50	102	479	7	0.27		9			
									E6543773	153.30	154.10	0.80		28.3		<1.0	0	78	74	10	119	17	0.04		4			
									E6543774	154.10	155.00	0.90		26.1		<1.0	1	88	23	18	116	10	<0.01		4			
									E6543775	155.00	156.00	1.00		35.2		<1.0	0	104	13	22	102	11	0.01		5			
168.90	169.85	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry																								
				Medium to dark grey, silicified with a gradational uphole contact and sharp down hole CT.																								
169.85	173.10	VMM	VM	Mafic Volcanic						E6543776	172.00	173.00	1.00		44.1		<1.0	0	205	45	<5	51	93	0.03		7		
				Typical fine to medium grained VM minor local zones of weak ep alt. Trace veining. Massive. Quartz Carb stock work veining at up hole contact with pink calcite.						E6543777	173.00	173.70	0.70		25.8		<1.0	0	282	26	<5	29	58	<0.01		6		
173.10	174.10	IM	IM	Mafic Intrusive (non-Nipissing)						E6543779	173.70	174.10	0.40		29.1		<1.0	0	366	31	<5	33	34	<0.01		8		
				Fine to medium grained medium grey massive. Local 10cm felsic intrusive within																								
174.10	174.50	VMM	VM	Mafic Volcanic						E6543780	174.10	174.50	0.40		34.3		<1.0	0	89	248	6	76	21	0.27		6		
				Dark green to grey fine grained massive throughout																								
174.50	175.70	IMLAM	LMP	Lamprophyre						E6543781	174.50	175.70	1.20		41.2		<1.0	0	531	24	6	74	<5	0.02		11		
				Fine to medium grained medium to dark grey massive																								

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
175.70	176.20	VMM	VM	Mafic Volcanic Dark green to grey fine grained massive throughout				E6543782	175.70	176.20	0.50		27.0		<1.0	0	110	73	138	536	27	0.34		6	
176.20	183.80	IMLAM	LMP	Lamprophyre Fine to medium grained medium grey massive. Local felsic intrusive 10cm thick at 179.55-179.65				E6543783	176.20	177.00	0.80		37.1		<1.0	0	416	19	<5	61	<5	0.03		9	
								E6543784	177.00	178.00	1.00		41.3		<1.0	0	502	19	<5	63	<5	<0.01		11	
		176.60	176.70	VFIN	Qtz-Chl	VeinRv	2 cm	E6543785	183.00	183.80	0.80		48.4		<1.0	0	361	33	29	147	5	0.02		10	
183.80	184.15	SEDIF	SEDIF	Iron formation Fine grained to very fine grained. dark grey to black, strongly magnetic, stock work of mm thick veining throughout overall veining is 10%. Not sure if this is a sed because no evidence of banding.				E6543787	183.80	184.15	0.35		69.5		<1.0	0	160	117	149	268	5	0.34		10	
184.15	224.50	VMM	VM	Mafic Volcanic Dark green to grey fine to medium grained throughout.. Local zones of weak ep alt. Background veining 3%. Local zones of weak foliation. (Not oriented for measurement). One weak to moderate fault with gouge occurs at a shallow angle to CA.				E6543788	184.15	185.00	0.85		44.2		<1.0	0	94	33	47	125	7	0.06		6	
								E6543789	208.00	209.00	1.00		89.1		<1.0	0	120	254	9	90	<5	0.77	6	12	
								E6543790	209.00	210.00	1.00		57.0		<1.0	0	96	84	10	145	<5	0.12		7	
								E6543791	210.00	211.00	1.00		56.0		<1.0	0	93	62	6	100	<5	0.05		7	
		184.80	185.00	ALT	EPI	PERVAS	9	E6543793	221.00	221.75	0.75		94.1		<1.0	0	191	219	6	53	<5	0.59		13	
		187.30	187.40	STRC	GOUGE	010°/66°	a = 055°	E6543794	221.75	222.80	1.05		38.9		<1.0	0	83	22	6	40	<5	0.02		5	
								E6543795	222.80	224.00	1.20		41.5		<1.0	0	143	64	8	68	<5	0.04		6	
		208.80	209.00	MIN			10.0% Sum																		
		208.80	209.00	ALT	CARB	PERVAS	5																		
		209.25	208.70	STRC	FAULT																				
224.50	254.00	IMDIA	DIA	Main Nipissing dark green to meduim grey typical massive Nipissing				E6543796	237.00	238.00	1.00		49.3		<1.0	0	95	128	<5	75	<5	0.08		7	
								E6543797	238.00	239.00	1.00		47.2		<1.0	0	96	131	<5	73	<5	0.09		7	
								E6543799	239.00	240.00	1.00		47.6		<1.0	0	103	122	<5	71	<5	0.10		7	
254.00	254.00	EOH	EOH	End of Hole																					
	254.00	EOH		End of hole.																					

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	3.04					
5.00	8.00		3.11					
8.00	11.00		3.03					
11.00	14.00		3.00					
14.00	17.00		3.00					
17.00	20.00		3.00					
20.00	23.00		2.95					
23.00	26.00		3.00					
26.00	29.00		3.05					
29.00	32.00		3.00					
32.00	35.00		2.95					
35.00	38.00		3.01					
38.00	41.00		2.92					
41.00	44.00		3.10					
44.00	47.00		3.01					
47.00	50.00		3.00					
50.00	53.00		2.91					
53.00	56.00		2.95					
56.00	59.00		2.95					
59.00	62.00		2.97					
62.00	65.00		3.03					
65.00	68.00		3.05					
68.00	71.00		2.98					
71.00	74.00		3.02					
74.00	77.00		3.00					LOC@74.18;LOL@75.98
77.00	80.00		3.01					
80.00	83.00		2.98					
83.00	86.00		2.86					
86.00	89.00		2.94					
89.00	92.00		3.05					
92.00	95.00		3.03					
95.00	98.00		3.03					
98.00	101.00		3.02					
101.00	104.00		3.00					
104.00	107.00		3.00					
107.00	110.00		2.97					
110.00	113.00		3.01					
113.00	116.00		3.05					
116.00	119.00		2.95					
119.00	122.00		3.00					
122.00	125.00		0.00					
125.00	128.00		2.93					
128.00	131.00		3.09					

131.00	134.00	2.98
134.00	137.00	2.93
137.00	140.00	2.99
140.00	143.00	3.01
143.00	146.00	2.99
146.00	149.00	2.97
149.00	152.00	3.03
152.00	155.00	3.03
155.00	158.00	3.03
158.00	161.00	2.94
161.00	164.00	3.00
164.00	167.00	2.99
167.00	170.00	2.98
170.00	173.00	3.02
173.00	176.00	3.01
176.00	179.00	2.98
179.00	182.00	2.98
182.00	185.00	3.02
185.00	188.00	3.01
188.00	191.00	3.00
191.00	194.00	2.98
194.00	197.00	3.10
197.00	200.00	3.04
200.00	203.00	2.97
203.00	206.00	3.02
206.00	209.00	3.00
209.00	212.00	3.05
212.00	215.00	3.05
215.00	218.00	2.84
218.00	221.00	3.07
221.00	224.00	3.22
224.00	227.00	3.03
227.00	230.00	3.08
230.00	233.00	2.99
233.00	236.00	3.17
236.00	239.00	3.07
239.00	242.00	3.04
242.00	245.00	3.08
245.00	248.00	2.96
248.00	251.00	2.96
251.00	254.00	3.00

EOH

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0134

COLLAR INFORMATION

Easting: 613,090.27 m
Northing: 5,228,830.39 m
Elevation: 284.99 m
Target: follow up on FCC-18-0050

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	109.9°	109.9°	-45.2°	Collar
17.00	122.4°	109.9°	-45.3°	EZ-Trac
50.00	124.2°	111.7°	-45.0°	EZ-Trac
101.00	125.0°	112.5°	-44.5°	EZ-Trac
152.00	127.0°	114.5°	-43.6°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	152.0	Dan Chisholm	2018-Sep-21	Sep-23	
Drilling	0.0	152.0	Laframboise Drilling	2018-Sep-21	Sep-21	
Geotech + Orient	0.0	152.0	Ebison Eldho	2018-Sep-22	Sep-22	
Core Logging	0.0	152.0	Gerhard Kiessling	2018-Sep-22	Sep-23	

Comments:

DRILL LOG

GEOLOGY						VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act		
0.00	2.30	CAS	CAS	Casing																			
2.30	18.30	VMM	VM	Mafic Volcanic	E5722743	2.30	3.00	0.70		44.9		<1.0	0	82	69	16	93	20	0.09			6	
				Dark green coloured, fine grained, mafic volcanic, heavily sheared with several foliation measurements taken, heavy epidote and bleaching from 2.3-22.03m in addition to a section of brownish tan strong sericite alteration from 8-12m. Barren pink carb vein at 8.06m, and white carb vein with tr sph at 9.81m.	E5722744	3.00	4.00	1.00		45.6		<1.0	0	88	52	54	113	25	0.02			6	
					E5722745	4.00	5.00	1.00		44.1		<1.0	0	83	81	22	102	11	0.12			6	
					E5722747	5.00	6.00	1.00		37.6		<1.0	0	80	59	10	101	7	0.06			5	
	2.30	8.00	ALT	EPI	PERVAS	8	Strong foliated bleaching/epidote and some sericite alt.	E5722748	6.00	7.00	1.00		40.4		<1.0	0	77	115	12	83	9	0.08	6
					E5722749	7.00	8.00	1.00		36.9		<1.0	1	68	102	57	77	15	0.05			5	
	6.00	7.00	STRC	FOL	049°/89°	a = 037°	Strong epidote/bleaching/ser foliated alteration.	E5722750	8.00	8.60	0.60		40.6		<1.0	2	63	81	116	107	40	0.05	6
	8.00	12.00	ALT	SER	PERVAS	10	Strong tannish coloured ser/epi/bl alteration, more pervasive in addition to the foliated epi/bl seen around, likely altzone surrounding carb veins noted.	E5722751	8.60	9.00	0.40		40.5		<1.0	1	67	61	12	89	37	0.06	5
					E5722753	9.00	9.75	0.75		24.7		<1.0	0	54	108	13	79	15	0.06			4	
					E5722754	9.75	10.20	0.45		16.6		<1.0	0	37	95	52	1000	8	0.07	11		6	
	9.00	10.00	STRC	FOL	020°/82°	a = 037°	Strong ser/epidote/bleaching foliated alteration.	E5722755	10.20	11.00	0.80		41.3		<1.0	0	73	86	20	56	27	0.05	5
	9.81	10.05	VEIN	Carb-Sul	Massive	4 cm	Massive white carb vein, chl alt along walls, tr mg-cg sph specks, slightly deformed giving XXX.	E5722756	11.00	12.00	1.00		29.2		<1.0	0	58	86	18	91	18	0.07	4
					E5722757	12.00	13.00	1.00		43.6		<1.0	0	67	131	18	74	12	0.16			6	
	9.81	10.05	MIN			0.5% Sum	Trace mg diss sph within the carb vein noted.	E5722759	13.00	14.00	1.00		36.0		<1.0	0	57	127	25	76	10	0.08	5
	12.00	18.30	ALT	EPI	PERVAS	8	Strong foliated bleaching/epidote and some sericite alt.	E5722760	14.00	15.00	1.00		29.4		<1.0	0	45	123	26	86	14	0.04	4
					E5722761	15.00	16.00	1.00		35.1		<1.0	0	58	121	18	66	12	0.06			5	
					E5722762	16.00	17.00	1.00		43.4		<1.0	0	80	50	16	66	12	0.02			6	
	13.00	14.00	STRC	FOL	020°/81°	a = 036°	Strong epidote/bleaching/ser foliated alteration.	E5722763	17.00	18.00	1.00		56.2		<1.0	0	122	134	102	189	54	0.25	8
					E5722764	18.00	18.30	0.30		39.0		<1.0	0	269	16	12	138	<5	<0.01			8	
18.30	20.00	IM	IM	Mafic Intrusive (non-Nipissing)	E5722765	18.30	19.00	0.70		39.3		<1.0	0	267	24	78	307	<5	0.02			8	
				Dark grey to black, massive, fine grained, looks crystalline, Sharp UC and LC, small finer greyish chill margins.	E5722767	19.00	20.00	1.00		40.8		<1.0	0	235	34	82	308	11	0.09			8	

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
20.00	22.02	VMM	VM	Mafic Volcanic Dark greenish grey, shearing and foliation is less than prev unit but still present with bleaching and epidote alteration.				E5722768	20.00	21.00	1.00		34.6	<1.0	0	68	56	17	301	17	0.11		5	
								E5722769	21.00	21.43	0.43		48.9	<1.0	1	84	156	33	268	18	0.33		7	
								E5722770	21.43	22.02	0.59		44.5	<1.0	1	79	80	57	257	18	0.24		6	
		2.30	22.03	STRC	SHEAR																			
		20.00	22.02	ALT	EPI	PERVAS	7																	
		21.00	22.00	STRC	FOL	104°/61°	a = 016°																	
22.02	28.50	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium grey, medium grained, feldspathic porphyry with small black 0.5cm xeno fragments, massive, sharp UC and LC.				E5722771	22.02	22.59	0.57		16.0	<1.0	0	43	49	24	394	<5	0.06		4	
								E5722773	22.59	23.00	0.41		11.4	<1.0	0	28	34	58	156	5	0.03		2	
								E5722774	23.00	24.00	1.00		12.0	<1.0	0	44	17	31	109	<5	0.02		2	
28.50	30.40	IM	IM	Mafic Intrusive (non-Nipissing) Dark grey to black, massive, fine grained, looks crystalline, Sharp UC and LC, small finer greyish chill margins.																				
30.40	32.65	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium grey, medium grained, feldspathic porphyry with small black 0.5cm xeno fragments, massive, sharp UC and LC. Weak reddish hem alt.																				
32.65	55.58	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark greyish green, fine grained, patchy epidote and bleaching, local weak shearing/foliations, no major veining, tr-1% fg-mg py, blebs of po, and tr cpy.																				
		32.65	55.58	MIN			1.1% Sum																	
		32.65	55.58	ALT	EPI	PATCHY	3																	
		38.00	39.00	STRC	FOL		a = 038°																	
		45.00	47.00	STRC	FRAC		a = 054°																	
		53.00	55.00	STRC	FOL		a = 052°																	
55.58	77.68	VMM	VMM	Mafic Volcanic - Massive Flow Grey, massive, more medium grained, has sort of webby like texture that could be some sort of sericite alteration giving it a spotted appearance, not sure if actually 'typical' spotted alteration seen in other alteration zones. Tr occasional speck of py/py. Very weak bl alt around fractures.																				
		66.00	66.15	STRC	FRAC		a = 029°																	

DRILL LOG

GEOLOGY									VISUAL ESTIMATES AND ASSAY RESULTS													
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S%	\$/t est	\$/t act	
77.68	79.35	IMLAM	LMP	Lamprophyre Dark grey, fine to medium grained, massive, mafic intrusive, crystalline, biotite 7%. Sharp UC and LC.																		
		80.06	8.66	VEIN	Carb	Massive	2 cm															
79.35	82.20	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium grey, medium grained, feldspathic porphyry with small black 0.5cm xeno fragments, massive, sharp UC and LC.																		
82.20	85.83	IMLAM	LMP	Lamprophyre Dark grey, fine to medium grained, massive, mafic intrusive, crystalline, biotite 7%. Sharp UC and jagged uneven LC.																		
85.83	89.56	VMM	VMM	Mafic Volcanic - Massive Flow Dark grey to green, fine grained, massive, mafic volcanic, some local shearing/foliation with epidote/bleaching, Tr occasional speck of py/py.																		
89.56	95.22	IMLAM	LMP	Lamprophyre Dark grey, fine to medium grained, massive, mafic intrusive, crystalline, biotite 5-7%. Sharp UC and LC.																		
95.22	95.73	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium grey, medium grained, feldspathic porphyry with small black 0.5cm xeno fragments, massive, sharp UC and LC.																		
95.73	98.05	IMLAM	LMP	Lamprophyre Dark grey, fine to medium grained, massive, mafic intrusive, crystalline, biotite 5-7%. Sharp UC and LC. Blebs of felsic material, could be from random felsic dykes or strange fractionation.																		
98.05	100.49	VMM	VMM	Mafic Volcanic - Massive Flow Dark grey to green, fine grained, massive, mafic volcanic, weak epidote/bleaching, Tr occasional speck of py/py.																		
100.49	101.70	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium grey, medium grained, feldspathic porphyry with small black 0.5cm xeno fragments, massive, sharp UC and LC, slight reddish tinge from weka hem.																		
101.70	109.57	IMLAM	LMP	Lamprophyre Dark grey, fine to medium grained, massive, mafic intrusive, crystalline, biotite 3-5%. Sharp UC and LC.																		
109.57	113.93	VMM	VMM	Mafic Volcanic - Massive Flow Dark grey to green, fine grained, massive, mafic volcanic, weak patches of epidote/bleaching, bleaching around fractures. Tr py/py.	E5722775	111.00	112.00	1.00		83.1		1.0	2	137	360	172	134	121	0.52		13	
					E5722776	112.00	113.00	1.00		66.9		<1.0	0	144	93	22	71	13	0.22		9	
					E5722777	113.00	113.75	0.75		70.0		<1.0	0	138	73	20	84	31	0.14		9	

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
113.93	114.02	VEIN	VEIN	Co VN Co VN. Massive grey carb vein, weak chl along sides, some 1% fg co and py clusters along edges of vein, XRF @ 0.8%, Ag @ 16ppm. Well defined vein boundaries, no alt aureole.				E5722779	113.75	114.15	0.40	531	301.0		<1.0	3	158	112	373	155	1110	0.15	56	31
113.93	114.02	VEIN	Carb-Co	Massive	2 cm	Co VN. Massive grey carb vein, weak chl along sides, some 1% fg co and py clusters along edges of vein, XRF @ 0.8%, Ag @ 16ppm. Well defined vein boundaries, no alt aureole.																		
113.93	114.02	MIN			1.0% Sum	Co VN. 1% fg co and py clusters along edges of vein, XRF @ 0.8%, Ag @ 16ppm.																		
114.02	124.82	VMM	VMM	Mafic Volcanic - Massive Flow Dark grey to green, fine grained, massive, mafic volcanic, weak patches of epidote/bleaching, bleaching around fractures. Tr py/py.				E5722782	114.15	115.00	0.85		75.6		<1.0	0	146	113	15	84	60	0.21		10
								E5722783	115.00	116.00	1.00		71.8		<1.0	0	131	130	21	148	29	0.24		10
								E5722784	116.00	117.00	1.00		59.0		<1.0	0	136	98	7	93	9	0.17		8
								E5722785	117.00	118.00	1.00		46.3		<1.0	0	113	90	367	304	26	0.12		8
116.93	117.50	STRC	FRAC	303°/40°	a = 027°	Thin 2-3cm spaced crb healed fracture foliation/set.				E5722787	118.00	119.00	1.00	56.1		<1.0	0	122	111	105	312	14	0.15	9
117.84	117.93	VEIN	Carb-Sul	VeinBx	0.25 cm	White carb vein, brecciated, thin, tr py, next to white healed crb fractures branching off.				E5722788	119.00	120.00	1.00	56.7		<1.0	0	123	111	20	109	<5	0.17	8
								E5722789	120.00	121.00	1.00		56.9		1.0	0	125	89	13	105	<5	0.15		8
								E5722790	121.00	122.00	1.00		57.4		<1.0	0	143	76	30	163	<5	0.13		8
								E5722791	122.00	123.00	1.00		70.5		<1.0	0	131	240	25	113	<5	0.53		10
								E5722793	123.00	124.00	1.00		54.3		<1.0	0	126	35	<5	85	<5	0.05		7
								E5722794	124.00	124.66	0.66		82.3		2.0	1	121	1070	506	1560	19	1.25		23
124.82	125.03	VEIN	VEIN	Vein Vein with 67ppm Ag, no cobalt. Vein is 12cm thick, but is comprised of a couple 2cm pink carb veins with carb healed brecciation/fractures, chl blebs and alt, some grey carbonate in addition to the pink, 1-2% fg-mg py, 5% webby cpy. XRF @ 67ppm Ag, 0% Co, slick @83.				E5722795	124.66	125.09	0.43		123.0	1762	18.0	1	77	6290	86	799	177	1.17	953	66
124.82	125.03	VEIN	Carb-Ag	VeinBx	10 cm	Vein with 67ppm Ag, no cobalt. Vein is 12cm thick, but is comprised of a couple 2cm pink carb veins with carb healed brecciation/fractures, chl blebs and alt, some grey carbonate in addition to the pink, 1-2% fg-mg py, 5% webby cpy. XRF @ 67ppm Ag, 0% Co.																		
124.82	124.03	STRC	SLICK	-19°-232°	a = 054°	Strong crb/chl slick on Ag bearing carb vein.																		
124.82	125.03	MIN			0.1% Ag	6.6% Sum	Ag @67ppm in VN, 5% webby cpy, 1-2% fg-mg py.																	
125.03	132.56	VMM	VMM	Mafic Volcanic - Massive Flow Dark grey to green, fine grained, massive, mafic volcanic, weak patches of epidote/bleaching, bleaching around fractures. Tr py/py. One pink qtz-carb vein at 129.64m, but is barren.				E5722798	125.09	126.00	0.91		73.1		3.0	1	112	787	75	461	67	0.78		16
								E5722800	126.00	127.00	1.00		49.0		2.0	0	95	108	19	90	14	0.21		8
								E5722801	127.00	128.00	1.00		50.9		<1.0	0	97	61	7	88	15	0.10		7
								E5722802	128.00	129.00	1.00		56.8		<1.0	0	105	163	24	110	<5	0.36		8
109.57	132.56	ALT	EPI	PATCHY	2	Weak patchy lenses of epi/bleaching.				E5722803	129.00	130.00	1.00	43.9		<1.0	0	90	41	47	120	30	0.08	6
129.64	126.72	VEIN	Qtz-Carb	Massive	2 cm	Massive pink qtz-carb vein, barren.				E5722804	130.00	131.00	1.00	58.4		<1.0	0	92	135	62	175	70	0.48	8
								E5722805	131.00	132.00	1.00		44.8		<1.0	0	88	144	32	231	32	0.06		7
								E5722807	132.00	132.54	0.54		104.0		<1.0	1	469	181	825	1230	330	0.45		23

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
132.56	132.93	VEIN	VEIN	Vein Vein with 7ppm Ag, no cobalt. Vein is 9cm thick with wall rock fragments within, chl blebs and along walls, 1-2% fg-mg py within vein boundary, and XRF'd at 7ppm Ag and no cobalt, slick @77.				E5722808	132.54	133.06	0.52		275.0	2629	1.0	3	375	147	387	249	569	0.13	1289	33
132.56	132.93	STRC	SLICK	-13°-233°	a = 019°																			
132.56	132.93	MIN		0.1% Ag	1.6% Sum	Ag @7ppm in VN. 1-2% fg-mg py along walls of vein, not sure what caused the XRF reading, I zapped some grey carbonate sections, could be super fg within the carb?																		
132.56	132.93	VEIN	Carb-Ag	VeinBx	9 cm	Vein with 7ppm Ag, no cobalt. Vein is 9cm thick with wall rock fragments within, chl blebs and along walls, 1-2% fg-mg py within vein boundary, and XRF'd at 7ppm Ag and no cobalt, slick at 77.																		
132.93	152.00	VMM	VMM	Mafic Volcanic - Massive Flow Dark grey to green, fine grained, massive, mafic volcanic, weak patches of epidote/bleaching, bleaching around fractures. Tr py/py. Pink carb vein at 133.47m, with a couple specks of cg galena, and periods of crb healed brecciation and fractures until 143m.				E5722811	133.06	134.00	0.94		48.2	<1.0	1	188	101	433	185	100	0.14	38	9	
								E5722812	134.00	135.00	1.00		38.2	<1.0	0	220	44	11	138	51	0.01	14	7	
								E5722813	135.00	136.00	1.00		40.8	<1.0	0	171	265	33	183	53	0.11	12	8	
								E5722814	136.00	137.00	1.00		43.7	<1.0	0	145	20	28	190	52	0.09	14	7	
								E5722815	137.00	138.00	1.00		63.6	<1.0	1	134	83	44	185	91	0.41	12	9	
132.93	143.00	MIN			1.1% Sum	Diss tr po/py, occasional specks of cpy, and mg-cg gal within pink carb vein noted, possibly in crb healed fractures.		E5722816	138.00	139.00	1.00		36.7	<1.0	1	80	174	57	237	44	0.12	14	6	
								E5722817	139.00	140.00	1.00		33.3	<1.0	0	84	20	10	123	21	0.02	12	5	
133.47	133.87	VEIN	Carb-Sul	SetPara	1 cm	Set of pink carb veins, healed fractures branching off, mg-cg specks of galena.		E5722819	140.00	141.00	1.00		40.1	<1.0	0	94	21	11	183	16	<0.01	10	6	
								E5722820	141.00	142.00	1.00		58.6	<1.0	0	120	40	65	259	51	0.13	11	8	
137.34	137.48	VEIN	Carb-Sul	Massive	3 cm	Set of grey poorly developed carb vein, 3-5% py/po.		E5722821	142.00	143.00	1.00		38.9	<1.0	0	103	37	114	413	21	0.05	13	7	
138.00	138.53	VEIN	Carb-Sul	VeinBx	0.1 cm	Set of paralle healed crb fractures/brecciation, tr-1% py/po.		E5722822	143.00	144.00	1.00		88.2	<1.0	1	114	120	280	1090	86	0.84	7	14	
142.34	142.72	STRC	FRAC	257°/69°	a = 041°	Set of crb healed fractures parallel/frac foliation.																		
152.00	152.00	EOH	EOH	End of Hole																				
132.56	154.00	ALT	EPI	PATCHY	2	Weak patchy lenses of epi/bleaching.																		
143.00	154.00	MIN			1.0% Sum	Diss																		
152.00		EOH		End of hole.																				

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
5.00	8.00	3.00	2.93					
8.00	11.00		2.96					
11.00	14.00		3.10					
14.00	17.00		2.89					
17.00	20.00		3.03					
20.00	23.00		2.92					
23.00	26.00		3.05					
26.00	29.00		3.10					
29.00	32.00		3.04					
32.00	35.00		3.00					
35.00	38.00		3.02					
38.00	41.00		3.04					
41.00	44.00		3.01					
44.00	47.00		3.10					
47.00	50.00		2.98					
50.00	53.00		3.07					
53.00	56.00		3.03					
56.00	59.00		2.96					
59.00	62.00		3.05					
62.00	65.00		3.06					
65.00	68.00		3.00					
68.00	71.00		3.00					
71.00	74.00		3.05					
74.00	77.00		2.95					
77.00	80.00		2.97					
80.00	83.00		2.97					
83.00	86.00		3.03					
86.00	89.00		3.07					
89.00	92.00		3.06					
92.00	95.00		2.96					
95.00	98.00		2.98					
98.00	101.00		3.10					
101.00	104.00		3.03					
104.00	107.00		2.97					
107.00	110.00		3.02					
110.00	113.00		3.02					
113.00	116.00		3.06					
116.00	119.00		3.01					
119.00	122.00		2.99					
122.00	125.00		2.96					
125.00	128.00		3.05					
128.00	131.00		3.00					
131.00	134.00		3.03					

134.00	137.00	2.97
137.00	140.00	3.02
140.00	143.00	3.01
143.00	146.00	2.99
146.00	149.00	3.05
149.00	152.00	2.97

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0135

COLLAR INFORMATION

Easting: 613,090.27 m **Azimuth:** 230.00°
Northing: 5,228,830.39 m **Dip:** -50.10°
Elevation: 284.99 m **Length:** 215.00 m
Target: pseudo siegenite zone at depth

Comments: Collared on same pad as FCC-18-0134; adjusted azimuth to 232deg to correct for change of pad location.

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	230.0°	230.0°	-50.1°	Collar
17.00	242.5°	230.0°	-49.6°	EZ-Trac
50.00	241.6°	229.1°	-49.4°	EZ-Trac
101.00	242.6°	230.1°	-49.2°	EZ-Trac
152.00	243.5°	231.0°	-49.1°	EZ-Trac
215.00	244.6°	232.1°	-49.2°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	215.0	Dan Chisholm	2018-Sep-23	Sep-24	
Drilling	0.0	215.0	Laframboise Drilling			
Geotech + Orient	0.0	215.0	Mayank Patel	2018-Sep-23	Sep-24	
Core Logging	0.0	66.0	Kevin Tateishi	2018-Sep-24	Sep-24	
Core Logging	66.0	215.0	Matthew Brown	2018-Dec-24	Sep-25	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.70	CAS	CAS	Casing
1.70	37.80	VMM	VM	Mafic Volcanic Light grey to green blue fine grained mafic volcanic unit, overprinted by regional chlorite alteration with patchy carb alt. Unit is very sheared near top of hole and takes up Py/Po as oriented bands throughout, other areas are patchy or blebby. No other structure or min noted.
1.70	37.80	MIN		0.2% Sum Standard VM min as blebs and diss/veinlets
1.70	37.80	ALT	CHL	PERVAS 7 Standard greenstone alt throughout with patchy carb and epi alt around veins and fractures. Some of the VM is almost brecciated in the sense that the Chl fills in most of the matrix in places.
5.00	15.00	STRC	BAND	a = 045° Carb/Chl banding throughout VM
16.90	16.95	VEIN	Qtz-Carb	Massive 3 cm Small Qtz/Carb vein with lots of Iron staining on both sides.
37.80	41.90	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium grained dark grey to blue unit with mm to cm sized clasts/fragments within matrix, matrix is igneous and clasts seem to be either magma mixing, early crystallization or just wall rock fragments. Unit has a sharp contact with VM unit and shows no major foliation, banding or alteration. No major min or struc.
37.80	41.90	ALT	POTASSIC	PATCHY 7 IFFP takes up felsic alt/staining within matrix and some major fragments.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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DRILL LOG

GEOLOGY										VISUAL ESTIMATES AND ASSAY RESULTS																		
From	To	Code	Label	Comment						Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act		
41.90	53.35	VMM	VM	Mafic Volcanic As above but has large sulfide zone of Py/Po near IFFP contact both above and below. No other major stucture or min, small II dyke but nothing of note around it.																								
	41.90	53.35	MIN				1.0% Sum	Standard VM min as above, but has more solid zones near IFFP contacts.																				
	41.90	53.35	ALT	CHL	PERVAS		7	As above.																				
53.35	54.90	IMLAM	LMP	Lamprophyre Small II/Lamp dyke that has some carb overprint and some small veinlet cross cutting relationships. Barren Qtz/Carb vein at contact but seems to come up along previous VM/IFFP contact. Some areas show coarser pods with more biotite and go in and out of breccia zones.																								
54.90	76.75	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry As above but has more banding and picks up a lot more breccia zones that have been later infilled with alteration. No major min or stucture in this zone.																								
	54.90	76.75	ALT	POTASSIC	PATCHY		7	As above IFFP																				
76.75	78.92	VMM	VM	Mafic Volcanic Fine grained grey to green unit that has been carb and chlorite overprinted, no major sturcture or min but has some fragments surrounded by completely chloritized matrix.																								
	76.75	78.20	MIN				0.2% Sum	Standard VM min as blebs and diss/veinlets																				
	76.75	78.92	ALT	CHL	PERVAS		7	As above																				
78.92	82.00	VEIN	Cob- VEIN	COB in IFFP Fe Carb/Carb/Qtz Vein Breccia IFFP is heavily Carbonite/Chlorite/Iron Carb altered that forms a very broken, vuggy and extensive vein breccia. XRF Co 432ppm in vein brecca at 81.6m,						E6025724	79.00	79.80	0.80		39.2	<1.0	0	148	73	<5	54	23	0.02		6			
										E6025725	79.80	80.50	0.70		39.7	<1.0	0	162	116	<5	94	9	0.04		7			
										E6025727	80.50	81.10	0.60		16.4	<1.0	0	75	108	8	58	<5	0.02		3			
	78.92	82.00	VEIN	Carb	Massive	cm		IFFP is heavily Carbonite/Chlorite/Iron Carb altered that forms a very broken, vuggy and extensive vein breccia. No visable Cob but has trace sulfides and will be samples just incase.						E6025728	81.10	81.95	0.85		96.0	<1.0	1	96	2230	5	135	26	0.50	25
										E6025729	81.95	82.50	0.55		15.7	<1.0	0	192	108	7	83	<5	0.01		5			
	78.92	82.00	ALT	OXI	PERVAS		9	See vein comments																				
82.00	101.50	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Fine grained to medium grained fragmental felsic porph, like the above unit but has more sulfide pop inand out around fragments and veinlets, mostly Py/Po as fracture fill. No major stucture outside othe above vein, some minor carb banding at ~45 degrees TCA.						E6025730	82.50	83.00	0.50		13.5	<1.0	0	161	766	8	67	<5	0.08		9			
	82.00	101.50	ALT	POTASSIC	PATCHY		7	As above.																				

DRILL LOG

GEOLOGY										VISUAL ESTIMATES AND ASSAY RESULTS																		
From	To	Code	Label	Comment						Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S%	\$/t est	\$/t act		
101.50	112.95	VMM	VM	Mafic Volcanic As above VM but takes up more blebby sulfides around contacts and shows distinct chill margin to IFFP below. No major stucture in this unit but standard alt and min.																								
	101.50	112.95	MIN	0.2% Sum Standard VM min as blebs and diss/veinlets																								
	101.50	112.95	ALT	CHL	PERVAS	9	As above.																					
112.95	114.75	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Small IFFP Dykelette with some chill margins around each edge, some minor chlorite alt throughout and some carb banding. Nothing interesting.																								
	112.95	114.75	ALT	POTASSIC	PATCHY																							
114.75	134.85	VMM	VM	Mafic Volcanic As above but has zones up heavy bleaching/carb alt, while others have almost breccia texture with complete replacement of matrix with chlorite banding around VM clasts. No major sulfide or min, small IMLAMP dyke fingers in and has a small breccia zone near lower contact.																								
	114.75	134.85	MIN	0.2% Sum Standard VM min as blebs and diss/veinlets																								
	114.75	134.85	ALT	CHL	PERVAS																							
134.85	144.50	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry As above. Becomes more fine grained and has less fragments, picks up in biotite but still has kspar stained zones. Could be IMLAMP?						E6025731	144.00	144.68	0.68		42.6		<1.0	0	221	20	69	269	<5	0.02	9	8		
	134.85	144.50	ALT	POTASSIC	PATCHY																							

DRILL LOG

GEOLOGY										VISUAL ESTIMATES AND ASSAY RESULTS											
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
144.50	155.10	VMM	VM	Mafic Volcanic Zone of MV that becomes a heavily altered shear zone at the very end of the unit. Alt really picks up midway through and forms some interesting veins that run ~100ppm for most base metals and other oddball elements, sampled for curiosity. Veins have a strong associated kspar to epi/chl halo and most seem high in Fe and Zn. No other min or stucture of interest.	E6025733	144.68	145.68	1.00		53.5		<1.0	0	154	345	139	1170	22	0.20	8	13
					E6025734	145.68	146.15	0.47		54.2		<1.0	0	139	193	63	127	21	0.15	13	9
					E6025735	146.15	146.45	0.30		49.0		<1.0	0	104	448	400	1930	31	0.26	9	16
					E6025736	146.45	147.30	0.85		59.4		<1.0	0	138	67	31	124	15	0.09	16	8
					E6025737	147.30	147.60	0.30		38.5		<1.0	0	117	132	84	235	12	0.06	8	7
					E6025739	147.60	148.15	0.55		50.4		<1.0	0	159	61	30	163	8	0.08	7	8
					E6025740	148.15	148.70	0.55		49.2		<1.0	0	114	125	39	151	9	0.08	8	7
					E6025741	148.70	149.00	0.30		54.0		<1.0	0	108	67	84	107	20	0.07	7	7
					E6025742	149.00	150.00	1.00		55.5		<1.0	0	123	168	74	297	14	0.12	7	9
					E6025743	150.00	151.00	1.00		42.8		<1.0	0	122	102	30	104	9	0.07	9	7
					E6025744	151.00	152.00	1.00		61.5		<1.0	0	149	430	15	95	11	0.28	7	11
					E6025745	152.00	153.00	1.00		70.1		<1.0	0	137	232	14	93	18	0.39	11	10
					E6025747	153.00	154.00	1.00		45.0		<1.0	0	129	333	39	1180	13	0.16	10	12
144.50	155.10	MIN		0.1% Sum Standard VM min as blebs and diss/veinlets																	
144.50	155.10	ALT	CHL	PERVAS																	
146.30	146.35	VEIN	Epi-Kspar	Massive	3 cm																
146.40	146.42	VEIN	Epi-Kspar	Massive	2 cm																
148.80	148.81	VEIN	Epi-Kspar	Massive	1 cm																
150.78	150.80	VEIN	Epi-Kspar	Massive	1.5 cm																
155.10	158.10	IMLAM	LMP	Lamprophyre Small IMLAMP intrusion, sharp contacts, nothing of interest.																	
158.10	179.20	VMM	VM	Mafic Volcanic As above but begins to show signs of a rehealed fault zone 166-166.8. blebs of Py, Cpy, Gal XRF up to Cu 0.7%, Pb 1.7%																	
158.10	166.00	STRC	BAND		a = 045°																
158.10	179.20	MIN			0.2% Sum Standard VM min as blebs and diss/veinlets																
158.10	166.00	ALT	CHL	PERVAS																	
165.50	166.00	STRC	FAULT		a = 020° Low angel rehealed fault																
166.00	179.20	ALT	CHL	PATCHY	5 patchy chl alteration																
172.32	172.35	VEIN	Carb-Chl	Network	1.4 cm white carb/chl vein, barren																
179.20	182.84	IMLAM	LMP	Lamprophyre med grey, coarse, massive, some <1mm white carb veins and one 2mm carb-epidote vein with patches of Cpy Cu 0.2% on surfaces.																	
179.20	182.84	MIN			0.2% Sum Cpy, Py on some vein/frac surfaces																
180.48	180.53	VEIN	Carb-Epi	Massive	0.2 cm white carb/epi vein, patches of Py, Cpy XRF Cu 0.2%																

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																		
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act		
182.84	196.50	VMM	VM	Mafic Volcanic				E6025748	194.00	195.00	1.00		60.6		<1.0	0	101	61	8	91	7	0.30		7		
				As above VM, chl alteration is pervasive from 190.2 to 196.5				E6025749	195.00	196.00	1.00		47.9		<1.0	0	68	57	8	91	7	0.13		6		
				192.27-192.37m 2cm thick K-spar vein or altered shear zone				E6025750	196.00	197.00	1.00		86.3		<1.0	4	240	1070	8	96	164	0.75		18		
182.84	190.20	ALT	CHL	PATCHY	8	patchy chl alteration																				
183.23	183.26	VEIN	Carb	Massive	0.4 cm	white carb vein, tx py																				
190.20	196.50	ALT	CHL	PERVAS	9	pervasive chl alteration, with minor k-spar, hema, epidote altered veins 192m to 196.5m																				
192.27	192.37	VEIN	Ksp	VeinShr	2 cm	k-spar in parallel shear zone, sheared wall rock 2-3cm away from vein contact																				
196.50	200.75	FLTZ	FLTZ	Fault Zone				E6025751	197.00	198.00	1.00		58.7		1.0	17	215	21	13	81	262	0.04		9		
				"pseudo-segonite" zone , rubbled fault zone in VM , with a high proportin of gouge (with cm scale calcite chunks) , vuggy carb zone at 198.20 to 198.25 with non-cubic pyrite crystals (0.5mm) in open vugs with granular near-cubic calcite crystals (0.5-1mm), hematite staining common in white-grey carb vein fragments.				E6025753	198.00	199.00	1.00		36.0		<1.0	1	144	55	<5	60	131	0.03		6		
								E6025754	199.00	200.00	1.00		37.1		<1.0	0	131	23	<5	64	99	<0.01		5		
								E6025755	200.00	201.00	1.00		32.9		<1.0	0	153	148	<5	49	56	0.07		6		
196.50	200.75	STRC	FAULT	rubbled fault zone "pseudo-segonite" zone , rubbled fault zone in VM , with a high proportin of gouge (with cm scale calcite chunks) , vuggy carb zone at 198.20 to 198.25 with non-cubic pyrite crystals (0.5mm) in open vugs with granular near-cubic calcite																						
196.50	200.75	ALT	SER	PATCHY	8	"pseudo-segonite" fault zone, with vuggy carb vein frag																				
196.62	196.67	VEIN	Carb-Epi	Massive	0.2 cm	carb with epi, and Py on vein surfaces																				
200.75	215.00	VMM	VM	Mafic Volcanic				E6025756	201.00	202.00	1.00		26.6		<1.0	1	119	270	<5	97	12	0.05		6		
				Same VM as above, rare white carb veins with epi alteration and sulfides XRF: Pb 0.1%, Ni 0.2%, Zn 0.1%				E6025757	202.00	203.00	1.00		31.1		<1.0	0	118	24	<5	109	<5	0.02	6	5		
208.85	208.88	VEIN	Carb	Massive	0.3 cm	carb with 6cm zone of epi alteration																				
215.00	215.00	EOH	EOH	End of Hole																						
				End of Hole																						
200.75	215.00	ALT	chl	PATCHY	5																					
202.00	215.00	MIN			0.0% Sum	white carb veins with epi alteration and wispy sulfides XRF: Pb 0.1%, Ni 0.2%, Zn 0.1%																				
215.00	EOH			End of hole.																						

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	2.70					
5.00	8.00		3.05					
8.00	11.00		2.96					
11.00	14.00		3.09					
14.00	17.00		3.05					
17.00	20.00		2.99					
20.00	23.00		3.03					
23.00	26.00		3.02					
26.00	29.00		2.99					
29.00	32.00		3.03					
32.00	35.00		2.91					
35.00	38.00		2.99					
38.00	41.00		3.04					
41.00	44.00		2.98					
44.00	47.00		3.08					
47.00	50.00		2.98					
50.00	53.00		2.97					
53.00	56.00		3.00					
56.00	59.00		3.05					
59.00	62.00		3.05					
62.00	65.00		3.01					
65.00	68.00		3.03					
68.00	71.00		2.94					
71.00	74.00		3.03					
74.00	77.00		2.98					
77.00	80.00		2.99					
80.00	83.00		3.02					
83.00	86.00		3.01					
86.00	89.00		3.02					
89.00	92.00		3.02					
92.00	95.00		2.98					
95.00	98.00		2.91					
98.00	101.00		2.99					
101.00	104.00		3.04					
104.00	107.00		3.04					
107.00	110.00		3.05					
110.00	113.00		2.99					
113.00	116.00		2.99					
116.00	119.00		2.95					
119.00	122.00		3.05					
122.00	125.00		3.00					
125.00	128.00		3.00					
128.00	131.00		3.07					

LOL@81.14;LOL@81.27

131.00	134.00	2.99
134.00	137.00	3.07
137.00	140.00	3.07
140.00	143.00	3.01
143.00	146.00	2.97
146.00	149.00	3.08
149.00	152.00	2.97
152.00	155.00	3.02
155.00	158.00	2.97
158.00	161.00	2.99
161.00	164.00	2.98
164.00	167.00	3.05
167.00	170.00	3.02
170.00	173.00	2.91
173.00	176.00	3.17
176.00	179.00	3.03
179.00	182.00	3.00
182.00	185.00	3.04
185.00	188.00	2.97
188.00	191.00	3.02
191.00	194.00	2.97
194.00	197.00	2.60
197.00	200.00	2.95
200.00	203.00	2.99
203.00	206.00	2.97
206.00	209.00	3.10
209.00	212.00	2.99
212.00	215.00	3.09

LOL@196.40

EOH

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0136

COLLAR INFORMATION

Easting: 613,106.62 m **Azimuth:** 109.00°
Northing: 5,229,044.27 m **Dip:** -45.20°
Elevation: 313.00 m **Length:** 155.00 m
Target: FOLLOW UP ON FCC-18-0050

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	109.0°	109.0°	-45.2°	Collar
20.00	121.5°	109.0°	-43.7°	EZ-Trac
50.00	122.8°	110.3°	-43.7°	EZ-Trac
101.00	122.7°	110.2°	-43.2°	EZ-Trac
155.00	122.5°	110.0°	-42.7°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	155.0	Dan Chisholm	2018-Sep-23	Sep-24	
Geotech + Orient	0.0	155.0	Mayank Patel	2018-Sep-25	Sep-25	
Mag Sus	0.0	155.0	Mayank Patel	2018-Sep-25	Sep-25	
Core Logging	0.0	155.0	Jonathan Warner	2018-Dec-25	Dec-27	
Sampling	0.0	155.0	Jonathan Warner	2018-Sep-25	Sep-25	

Comments: Between 116-128m there are local zones of blocky core. The core barrel subsequently jamed several times and that caused inconsistent recoveries per each drill run. Measurements may be up to 30cm off throughout this zone.

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	7.20	CAS	CAS	Casing Casing and OVB, broken rubble and blocky core throughout. Including, red-sandstones and mafic volcanics
7.20	32.10	IM	IM	Mafic Intrusive (non-Nipissing) Color/Comp: Dark green medium to fine grained (Possible massive mafic flow) Min: Local minor zones of sulfide mineralization associated with cm scale veining. Alt: biotite rich Veins: Two areas of veining at 11.35m Po/Py and at 17.4m-sph and Po. Veins are trace throughout. Struct/Text massive throughout. Lower contact is gradational.
11.35	11.65	VEIN	Qtz-Chl	SetPara cm
11.35	11.60	MIN		2.0% Sum Possible very fine grained trace galena, associated with fol parallel veining
11.80	11.85	STRC	GOUGE	Possible association with veining at 11.35m strong He and Chl alt as infill
17.30	17.35	VEIN	Qtz-Carb	Tension cm
17.30	17.35	MIN		3.0% Sum Associated with qtz-carb vein

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
E6543800	10.80	11.35	0.55		32.8		<1.0	0	175	316	63	188	23	0.13		8
E6543801	11.35	12.00	0.65		55.4		<1.0	2	188	434	2130	333	27	0.38	8	16
E6543802	12.00	12.60	0.60		81.9		2.0	3	561	1630	313	239	40	0.21		28
E6543803	16.50	17.00	0.50		52.7		<1.0	0	395	104	47	188	27	<0.01		11
E6543804	17.00	17.40	0.40		57.6		<1.0	1	411	87	40	175	37	0.07	15	12
E6543805	17.40	18.00	0.60		59.2		<1.0	0	410	78	6	175	41	0.11		12

DRILL LOG

GEOLOGY							VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment			Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
32.10	36.85	II	II	Intermediate Intrusive Medium grey and massive. Strong local fault zone and joint sets.																			
	35.30	36.30	STRC	FAULT																			
36.85	41.05	IM	IM	Mafic Intrusive (non-Nipissing) Dark green to grey medium to fine grained. One weak joint set. and sulfide rich Qtz-Chl vein at down hole contact.			E6543807	40.00	41.05	1.05		51.9		<1.0	2	438	217	61	241	72	0.35	12	13
	38.40	39.10	STRC	JOINT	175°/80°	a = 050°																	
	39.50	39.60	VEIN	Qtz	Vuggy	cm																	
	39.50	39.60	STRC	SLICK		a = 055°																	
	40.05	40.10	VEIN	Qtz-Chl	VeinBx	cm																	
	40.05	40.10	MIN			4.1% Sum																	
41.05	61.00	IM	IM	Mafic Intrusive (non-Nipissing) Dark grey to grey, medium to fine grained possible massive basalt flow. Minor local zones of 10-30cm Intermediate intrusions that are lighter grey in color, usually with sharp contacts. Local zone of increased shearing but weak veining with weak mineralization and local zone with increased irregularly oriented veins.			E6543808	41.05	42.00	0.95		49.8		1.0	10	217	601	27	121	96	0.60		12
							E6543809	42.00	43.00	1.00		88.9		1.0	3	392	2040	17	188	151	0.58		28
							E6543810	43.00	44.00	1.00		82.3		<1.0	1	192	1160	7	134	88	0.21		18
							E6543811	53.00	54.00	1.00		66.3		<1.0	1	233	46	<5	212	27	0.25		10
	43.25	43.50	STRC	JOINT																			
							E6543813	54.00	54.90	0.90		88.6		<1.0	0	203	115	<5	205	33	0.31		12
	54.90	59.00	VEIN	Qtz-Carb	VeinShr	cm																	
							E6543814	54.90	56.00	1.10		330.0		<1.0	2	274	641	17	176	159	1.95	46	38
	54.90	59.00	STRC	SHEAR																			
							E6543815	56.00	57.00	1.00		52.6		<1.0	0	48	94	<5	81	15	0.16	72	6
							E6543816	57.00	58.00	1.00		27.1		<1.0	0	67	102	6	82	7	0.05	40	4
							E6543817	58.00	59.00	1.00		26.9		<1.0	0	121	348	9	108	9	0.06	38	7
	54.90	59.00	MIN			3.0% Sum																	
							E6543819	59.00	59.50	0.50		14.4		<1.0	0	64	389	14	68	<5	0.04		5
61.00	81.20	VMM	VM	Mafic Volcanic Typical basalt unit 2-3% background veining. Fine to medium grained. Dark green to grey.			E6543820	74.00	74.80	0.80		20.5		<1.0	0	83	189	<5	63	<5	<0.01		4
							E6543821	74.80	75.60	0.80		33.8		<1.0	0	108	916	<5	75	8	0.12		11
	74.80	75.60	VEIN	Qtz-Carb	VeinBx	cm																	
							E6543822	75.60	77.00	1.40		53.0		<1.0	0	54	121	<5	56	12	0.13		6
	80.70	81.20	STRC	FAULT	002°/55°	a = 010°																	
							E6543823	77.00	78.50	1.50		31.8		<1.0	1	139	519	<5	76	71	0.68		8
							E6543824	78.50	80.00	1.50		74.4		<1.0	0	156	732	<5	106	42	0.09		14
							E6543825	80.00	80.70	0.70		98.1		<1.0	2	197	1120	8	130	137	0.94		19
							E6543827	80.70	81.20	0.50		37.0		<1.0	1	120	5380	<5	83	25	0.68		41
81.20	82.35	VEINZ	VEINZ	Vein Zone Large pink carb vein, runs down core length. strong, chl blebs, and euhedral quartz crystals within vein. Some .fg grey minerals along vein wall boundaries but didn't run anything on XRF. No cobalt seen. Trace sulfides overall.			E6543828	81.20	81.90	0.70		17.4		<1.0	0	130	196	<5	42	12	<0.01		5
							E6543829	81.90	82.40	0.50		9.4		<1.0	0	47	98	31	28	<5	<0.01		2
	81.20	82.40	VEIN	Qtz-Carb	VeinBx	cm																	

DRILL LOG

GEOLOGY										VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment						Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S%	\$/t est	\$/t act
82.35	87.10	ALTZ	ALTZ	Alteration Zone Medium green to yellow fine to very fine grained. Moderately foliated and appears folded. Significant altzone, defined by strong ser/sil, with minor qtz veining mostly parallel to fol and minor carb veining, also has strong quartz flooding and stringers at various orientations. Local zones of mod to strong brecciation.						E6543830	82.40	82.70	0.30		27.0		<1.0	0	296	35	<5	114	<5	<0.01		7
				82.40	82.41	STRC	SLICK	a = 010°	Very weak gamma	E6543831	82.70	84.00	1.30		53.9		<1.0	0	137	97	16	37	36	0.06	7	
				82.70	87.10	VEIN	Qtz-Carb	VeinBx	cm	overall veining in strong alt-zone	E6543833	84.00	85.00	1.00		21.5		<1.0	0	95	75	<5	21	16	<0.01	4
				82.70	87.10	STRC	BX		Moderate to strong brecciation locally	E6543834	85.00	86.00	1.00		24.3		<1.0	0	80	69	6	13	17	<0.01	4	
				82.70	87.10	ALT	SIL	PERVAS	9	Strong ser/sil alt with strong local brecciation	E6543835	86.00	87.10	1.10		27.3		<1.0	0	137	73	11	20	16	0.04	5
87.10	90.40	IM	IM	Mafic Intrusive (non-Nipissing) Massive dark green medium grained. Trace 1mm-1cm thick carb veins.						E6543836	87.10	88.00	0.90		52.9		<1.0	0	535	22	<5	88	<5	<0.01		12
										E6543837	88.00	89.00	1.00		60.3		<1.0	0	547	22	12	92	9	<0.01		13
										E6543839	89.00	90.40	1.40		53.8		<1.0	0	476	57	<5	86	<5	<0.01		12
90.40	91.30	ALTZ	ALTZ	Alteration Zone Pale sandy brown and local zones of medium grey to dark purple/grey, fine grained to very fine graine throughout. Weak qtz veins parallel to foliation and brecciated, also displays qtz-stringers at random orientations. Locally brecciated with moderate foliation and appears to be folded.						E6543840	90.40	91.30	0.90		38.8		<1.0	0	172	78	27	40	10	0.02		7
91.30	93.90	IM	IM	Mafic Intrusive (non-Nipissing) Massive dark green medium grained. Trace 1mm-1cm thick carb veins.						E6543841	91.30	92.70	1.40		51.7		<1.0	0	506	26	<5	91	<5	<0.01		12
										E6543842	92.70	93.90	1.20		48.1		<1.0	0	512	31	<5	78	<5	<0.01		12
93.90	101.10	IM	ALTZ	Alteration Zone Color/Comp: Medium grey to pale grey green, fine to very fine grained. Alt: defined by strong pervasive to patchy ser/sil Min: Local weak Py Veins: minor qtz veining mostly parallel to fol and minor carb veining, also has strong quartz flooding and stringers at various orientations. Struct/Text: Moderately foliated. Local zones of mod to strong brecciation.						E6543843	93.90	95.00	1.10		9.9		<1.0	0	82	23	<5	15	<5	<0.01		2
										E6543844	95.00	96.00	1.00		10.9		<1.0	0	78	10	<5	20	<5	<0.01		2
										E6543845	96.00	97.00	1.00		9.9		<1.0	0	77	8	<5	21	<5	<0.01		2
										E6543847	97.00	98.00	1.00		39.8		<1.0	0	99	133	53	56	14	0.03		6
										E6543848	98.00	99.00	1.00		37.9		<1.0	0	85	116	33	74	29	0.02		6
										E6543849	99.00	100.00	1.00		32.8		<1.0	0	78	81	12	28	34	<0.01		5
										E6543850	100.00	101.10	1.10		37.0		<1.0	0	75	122	11	18	5	<0.01		5
101.10	102.80	IM	IM	Mafic Intrusive (non-Nipissing) Massive dark green medium grained. Trace 1mm-1cm thick carb veins.						E6543851	101.10	102.00	0.90		28.8		<1.0	0	151	82	135	113	12	<0.01		6
										E6543853	102.00	102.50	0.50		29.9		<1.0	0	131	95	<5	89	12	0.04		5
				102.40	102.55	VEIN	Qtz-Carb	VeinBx	5 cm	Occurs with minor fault gouge																
				102.40	102.45	STRC	GOUGE	238°/71°	a = 050°																	
102.80	113.10	VMM	VM	Mafic Volcanic Dark green to grey fine grained typical mafic volcanic. Weak local Ep alt. Trace background veining. Trace mineralization locally.						E6543854	109.50	110.00	0.50		29.6		<1.0	0	149	106	79	74	17	0.04		6
										E6543855	110.00	111.00	1.00		42.9		<1.0	0	132	77	344	495	27	0.12		8
										E6543856	111.00	112.00	1.00		30.3		<1.0	0	112	31	<5	73	6	<0.01		5
										E6543857	112.00	113.10	1.10		23.3		<1.0	0	93	60	<5	52	<5	<0.01		4

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S%	\$/t est	\$/t act	
113.10	115.00	IM	IM	Mafic Intrusive (non-Nipissing) Massive dark green medium grained. Trace 1mm-1cm thcik carb veins.				E6543859	113.10	113.50	0.40		139.0		<1.0	1	333	75	<5	90	91	0.13		18	
								E6543860	113.50	114.00	0.50		45.2		<1.0	0	441	41	<5	105	<5	<0.01		11	
		113 25	113 30	VEIN	Qtz-Carb	Massive	1 cm	Trace Pv																	
115.00	118.10	FLTZ	FLTZ	Fault Zone 115-117.25m Strong foliation and with moderate alt. 117.25-118m-broken rubble, blocky core and gouging locally.				E6543861	114.00	115.00	1.00		44.3		<1.0	0	398	21	<5	96	<5	<0.01		10	
								E6543862	115.00	116.00	1.00		33.4		<1.0	0	133	59	<5	66	11	<0.01		5	
								E6543863	116.00	116.50	0.50		47.5		<1.0	0	139	50	<5	65	8	0.05		7	
		115.00	117.25	STRC	SHEAR	245°/78°	a = 040°	Mod shear with mod ser/sil alt proximal to fault zone.	E6543864	116.50	117.25	0.75		45.2		<1.0	0	130	38	<5	61	36	0.04		6
								E6543865	117.25	118.10	0.85		25.3		<1.0	0	119	13	<5	80	7	<0.01		4	
		116.60	116.61	STRC	FOL	245°/78°	a = 040°	Occurs in moderate shear zone with moderate He/Chl/Ser alt																	
118.10	118.50	VEIN	VEIN	Vein Pink carb with euhedral quartz crystals with local moderate gouging.				E6543867	118.10	118.50	0.40		28.8		<1.0	1	99	11	<5	53	12	<0.01		4	
		115.00	118.50	ALT	SIL	PATCHY	6	Banded/foliated alt zone associated with faulting																	
		117.25	118.50	STRC	FAULT			Blocky core throughout, local gouging and broken rubble with 25cm pink carb vein.																	
		118.10	118.50	VEIN	Qtz-Carb	VeinBx	cm	Occurs between massive and vein breccia and local gouging.																	
118.50	147.80	VMM	VM	Mafic Volcanic Medium grey to pale in carb altered zones and darker green in unaltered zones. Fine to medium grained throughout. Trace sulfides locally and in 1-2cm thick veins. High strain zone associated with patchy to pervasive carb alt. Weak background veining throughout. Local zones of 1-3cm pink carb veins.				E6543868	118.50	119.00	0.50		29.9		<1.0	0	122	20	<5	73	15	<0.01		5	
								E6543869	119.00	120.00	1.00		60.8		<1.0	1	141	121	<5	61	61	0.19		8	
								E6543870	120.00	120.30	0.30		36.1		<1.0	0	109	17	<5	49	22	<0.01		5	
								E6543871	120.30	121.00	0.70		30.9		<1.0	0	86	24	<5	37	12	<0.01		4	
		120.00	120.30	VEIN	Qtz-Carb	Stockwrk	2 cm	Irregularly oriented	E6543873	121.00	122.00	1.00		28.2		<1.0	0	102	35	<5	34	10	<0.01		4
		125.80	126.00	STRC	GOUGE			Moderate gouging, seems like carb alt package starts begins just after this gouge	E6543874	122.00	123.00	1.00		51.8		<1.0	0	159	124	<5	47	7	0.04		8
								E6543875	123.00	123.50	0.50		35.8		<1.0	0	108	49	<5	36	<5	<0.01		5	
		126.00	135.30	STRC	FOL			High strain zone associated with carb alt	E6543876	131.60	132.00	0.40		9.8		<1.0	1	73	133	<5	105	7	<0.01		3
		126.00	135.30	ALT	CARB	PATCHY	5	Carb flooding associated with a weak deformation zone	E6543877	132.00	133.00	1.00		6.8		<1.0	0	60	10	<5	31	5	<0.01		2
								E6543879	133.00	134.00	1.00		22.0		1.0	9	115	42	13	46	41	0.15		4	
		134.10	134.40	VEIN	Qtz-Carb	Massive	1 cm	Mod chlorite calsts	E6543880	134.00	134.50	0.50		51.9		1.0	4	301	16	<5	46	238	<0.01		9
		134.90	135.20	VEIN	Qtz-Carb	Vuggy	1 cm	Weak vuggs	E6543881	134.50	135.30	0.80		40.9		4.0	18	248	22	5	37	175	<0.01		9
		137.20	137.22	VEIN	Qtz-Carb	Massive	1 cm	Associated with Lineation measurement in structure tab.	E6543882	135.30	136.00	0.70		23.9		2.0	5	145	14	5	30	62	<0.01		5
								E6543883	136.00	137.00	1.00		12.1		<1.0	4	114	19	12	37	43	<0.01		3	
		137.20	137.22	VEIN	Qtz-Carb	Massive	1 cm	Associated with Lineation measurement in structure tab.	E6543884	137.00	138.00	1.00		12.3		<1.0	1	207	16	<5	38	44	<0.01		4
		137.20	137.21	STRC	SLICK		a = 020°	Occurs with quartz-pink-carb vein.	E6543885	147.00	147.80	0.80		17.4		<1.0	0	162	13	6	35	8	<0.01		4
		137.20	137.21	STRC	SLICK		a = 020°	Occurs with quartz-pink-carb vein.																	
		147.10	147.25	VEIN	qtz-carb	VeinBx	2.5 cm	Pink carb vein																	
147.80	151.40	II	II	Intermediate Intrusive Medium to pale grey medium grained. Trace veining, Trace sulfides. Strong, pervasive carb alt throughout.				E6543887	147.80	148.10	0.30		79.6		<1.0	1	72	107	32	49	116	<0.01		9	
								E6543888	148.10	148.90	0.80		20.9		<1.0	0	69	23	45	61	32	<0.01		3	
		147.80	151.40	ALT	CARB	PERVAS	9	Associated with II zone																	

DRILL LOG**GEOLOGY**

From	To	Code	Label	Comment
151.40	155.00	VMM	VM	Mafic Volcanic Typical VM massive dark green to grey fine grained with weak background alt.
155.00	155.00	EOH	EOH	End of Hole
	155.00	EOH		End of hole.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S%	\$/t est	\$/t act
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GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	1.90					
5.00	8.00		3.00					
8.00	11.00		3.01					
11.00	14.00		3.04					
14.00	17.00		3.12					
17.00	20.00		2.96					
20.00	23.00		3.04					
23.00	26.00		3.01					
26.00	29.00		2.99					
29.00	32.00		3.05					
32.00	35.00		2.98					
35.00	38.00		2.93					LOL@35.85
38.00	41.00		3.00					
41.00	44.00		3.02					
44.00	47.00		2.98					
47.00	50.00		3.00					
50.00	53.00		2.98					
53.00	56.00		2.97					
56.00	59.00		3.00					
59.00	62.00		2.98					
62.00	65.00		2.98					
65.00	68.00		3.03					
68.00	71.00		2.98					
71.00	74.00		3.01					
74.00	77.00		3.04					
77.00	80.00		2.96					
80.00	83.00		3.01					
83.00	86.00		2.95					lol@84.11
86.00	89.00		2.94					
89.00	92.00		3.07					
92.00	95.00		2.99					
95.00	98.00		2.98					
98.00	101.00		3.00					
101.00	104.00		3.01					
104.00	107.00		3.05					
107.00	110.00		2.93					loc@108.11
110.00	113.00		2.99					LOL@11.29
113.00	116.00		3.00					
116.00	119.00		2.98					LOC@117.40;LOL117.8
119.00	122.00		3.19					
122.00	125.00		3.10					
125.00	128.00		3.17					
128.00	131.00		3.03					

131.00	134.00	2.98
134.00	137.00	2.99
137.00	140.00	3.07
140.00	143.00	2.98
143.00	146.00	2.98
146.00	149.00	3.02
149.00	152.00	3.00
152.00	155.00	3.02

EOH

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0137

COLLAR INFORMATION

Easting: 612,748.26 m **Azimuth:** 233.20°
Northing: 5,228,880.64 m **Dip:** -50.00°
Elevation: 257.77 m **Length:** 152.00 m
Target: testing along strike extension of the pseudo-siegenite zone

Comments: Did not see obvious pseudo-siegenite zone. A zone that may have resembled a pseudo-siegenite zone was between 61-62.3m

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	233.2°	233.2°	-50.0°	Collar
20.00	245.7°	233.2°	-49.3°	EZ-Trac
50.00	244.2°	231.7°	-48.8°	EZ-Trac
101.00	245.7°	233.2°	-48.2°	EZ-Trac
152.00	246.0°	233.5°	-47.1°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	160.0	Dan Chisholm	2018-Sep-24	Sep-25	
Drilling	0.0	152.0	Laframboise Drilling	2018-Sep-24	Sep-25	
Geotech + Orient	0.0	152.0	Ebison Eldho	2018-Sep-25	Dec-26	
Mag Sus	0.0	152.0	Ebison Eldho	2018-Sep-25	Dec-26	
Core Logging	0.0	152.0	Jonathan Warner	2018-Sep-28	Sep-28	
Sampling	0.0	152.0	Jonathan Warner	2018-Sep-28	Sep-28	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	4.00	CAS	CAS	Casing Blocky core
4.00	24.20	VMM	VM	Mafic Volcanic Dark green to dark grey and fine grained throughout. Typical VM with local Po and Sph mineralization, trace veining and alteration. Massive VM throughout.
15.70	16.10	VEIN	Qtz-Carb	Tension 1 cm Runs along CA
15.70	16.10	MIN		3.1% Sum Associated with quartz carb vein.
17.10	18.00	MIN		7.2% Sum Po also occurs as blebby and disseminated
19.75	21.00	MIN		5.6% Sum Occurs with weak chl alt
24.20	35.50	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium grained geyish-pink. Local cm sized zones of diss Po.
35.50	55.20	VMM	VM	Mafic Volcanic Dark green to dark grey and fine grained throughout. Typical VM with local Po and local mod foliation zones, trace veining and trace ep alteration throughout.
41.20	43.40	STRC	FOL	High strain zone relative to surrounding rocks, with Po/Py mineralization
41.20	43.40	MIN		2.0% Sum Associated with high strain zone
43.44	44.50	MIN		4.0% Sum Diss to wispy

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
55.20	61.00	IFP	IFP	Felsic Porphyry Medium grey with faint purple hue. Medium grained and massive. Trace mm thick veinlets oriented along foliation. Weak sil alt throughout.				E6543889	60.00	61.00	1.00		40.4		<1.0	0	66	170	<5	87	26	0.14		6	
61.00	61.50	IM	IM	Mafic Intrusive (non-Nipissing) Pale green, medium grained with mod to strong foliation. Massive throughout. Strong chlorite alt.				E6543890	61.00	61.50	0.50		71.9		<1.0	0	783	216	6	170	144	0.22		19	
	61.00	61.50	ALT	CHL	PERVAS	8	Associated with IM and proximal to fault zone.																		
61.50	62.30	FLTZ	FLTZ	Fault Zone Moderate to strong foliation in the IM rock unit. Local 25cm Brecciated vein with weak Py, Local strong gouging. Target: This is probably associated with the strike of the pseudo-siegenite zone.				E6543891	61.50	62.30	0.80		90.2		<1.0	1	363	122	14	132	102	0.20		14	
	61.50	62.30	STRC	FAULT				Proximal to IM with 20cm veinBx in this zone																	
	61.60	61.80	VEIN	Qtz-Carb	VeinBx	15 cm	Occurs in fault zone.																		
	62.00	66.50	ALT	POTASSIC	PATCHY	4	Occurs in oin and around veinlets																		
62.30	100.10	VMM	VM	Mafic Volcanic Dark geen to dark grey and fine grained throughout. With local weak Po/Py mineralized zones. Local mod foliation zones. Veining displays potassic rich veinlets usually associated with Chl or Ep. Weak local 10cm IFP zones intrude this unit which contributes to local patchy potassic alt.				E6543893	62.30	63.00	0.70		36.7		<1.0	0	98	46	<5	103	13	0.05		5	
	65.40	65.41	VEIN	Ksp	Veinlets	1 cm	ksp veinlets probably associated with proximal IFP intrusions																		
	98.75	99.80	MIN				2.0% Sum Proximal to down hole lamp																		
100.10	109.00	IMLAM	LMP	Lamprophyre Dark to medium grey. Medium garined rich in biotite. Massive throughout.																					
109.00	115.70	VMM	VM	Mafic Volcanic Dark geen to dark grey and fine grained throughout. Typical VM with local Po and local mod foliation zones, trace veining and trace ep alteration throughout.																					
115.70	116.65	IM	IM	Mafic Intrusive (non-Nipissing) Medium grey with a pale green hue. Medium grained and massive throuhgout.																					
116.65	117.20	FLTZ	FLTZ	Fault Zone Weak to mod faultzone at down hole ct between IM and VM. Local mod gouging. Blocky core throughout. Fault occurs in the VM.																					
	116.65	117.20	STRC	FAULT				a = 035°																	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S%	\$/t est	\$/t act	
117.20	152.00	VMM	VM	Mafic Volcanic Dark green to dark grey and fine grained throughout. Typical VM with local Po and local mod foliation zones, trace veining and trace ep alteration throughout.																		
152.00	152.00	EOH	EOH	End of Hole																		
	152.00	EOH		End of hole.																		

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
5.00	8.00	3.00	3.09					
8.00	11.00		2.98					
11.00	14.00		3.04					
14.00	17.00		2.96					
17.00	20.00		3.00					
20.00	23.00		3.05					
23.00	26.00		2.97					
26.00	29.00		3.01					
29.00	32.00		3.00					
32.00	35.00		3.00					
35.00	38.00		3.09					
38.00	41.00		3.07					
41.00	44.00		2.97					
44.00	47.00		2.98					
47.00	50.00		3.08					
50.00	53.00		3.02					
53.00	56.00		2.96					
56.00	59.00		2.92					
59.00	62.00		3.21					
62.00	65.00		3.00					LOL@62.14
65.00	68.00		3.03					LOC@66.44
68.00	71.00		3.02					
71.00	74.00		3.02					
74.00	77.00		3.01					
77.00	80.00		3.02					
80.00	83.00		3.02					
83.00	86.00		3.03					
86.00	89.00		2.94					
89.00	92.00		3.07					
92.00	95.00		3.00					
95.00	98.00		2.98					
98.00	101.00		3.01					
101.00	104.00		3.06					
104.00	107.00		2.96					
107.00	110.00		3.03					
110.00	113.00		3.06					
113.00	116.00		2.94					
116.00	119.00		2.97					
119.00	122.00		3.04					
122.00	125.00		3.04					
125.00	128.00		2.92					
128.00	131.00		3.09					
131.00	134.00		2.96					

134.00	137.00	3.04
137.00	140.00	3.00
140.00	143.00	3.00
143.00	146.00	3.03
146.00	149.00	3.01
149.00	152.00	2.98

EOH

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0138

COLLAR INFORMATION

Easting: 612,695.73 m **Azimuth:** 226.20°
Northing: 5,228,833.70 m **Dip:** -50.30°
Elevation: 249.64 m **Length:** 161.00 m
Target: Testing Dave's interpreted NW fault

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	226.2°	226.2°	-50.3°	Collar
20.00	238.7°	226.2°	-50.6°	EZ-Trac
50.00	237.6°	225.1°	-50.2°	EZ-Trac
101.00	239.3°	226.8°	-49.7°	EZ-Trac
152.00	240.4°	227.9°	-49.2°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	161.0	Dan Chisholm	2018-Sep-25	Sep-27	
Drilling	0.0	161.0	Laframboise Drilling	2018-Sep-25	Sep-26	
Geotech + Orient	0.0	161.0	Mayank Patel	2018-Sep-26	Sep-27	
Core Logging	0.0	161.0	Jonathan Warner	2018-Sep-29	Sep-30	
Sampling	0.0	161.0	Jonathan Warner	2018-Sep-29	Sep-30	

Comments: Overall hole is not rich in mineralization. There was one significant 2-3cm Galena vein that is note worthy.

In terms of the targeted fault: The obvious choice would be the fault at 20.5m. If this does not suit the interp there is an area that displays elevated foliation, weak shearing with gash veining noted in the structure tab. Additionally this zone is 20cm away from a "Block".

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	0.75	CAS		Casing
				No core recovered

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
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DRILL LOG

GEOLOGY							VISUAL ESTIMATES AND ASSAY RESULTS																				
From	To	Code	Label	Comment			Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act				
0.75	4.50	VMM	VM	Mafic Volcanic Color/Comp: Dark green to grey, fine grained Mineralization: Trace Py Locally, and Gl in mm-cm sized veins, trace diss G locally in this zone and significant amounts on fracture surfaces as infill Alteration: He staining on fracture surfaces Veins: Trace overall, there are two qtz-carb veins with trace Gl Structure/texture: Broken core locally but massive texture when core is competent			E6543894	0.75	2.00	1.25		47.4		<1.0	0	109	27	164	132	57	0.54						
				0.00	4.50	ALT	HEM	FRACCONT	Galena and red He staining on fracture surfaces.			E6543895	2.00	3.00	1.00		50.6		<1.0	0	67	71	267	166	36	0.58	
				1.50	5.00	STRC	BC		Local weak broken core possbly a result of the shallow depth and collaring.			E6543896	3.00	3.60	0.60		44.9		<1.0	0	82	79	1950	214	39	0.27	
				3.00	4.50	MIN		0.4% Sum	Associated with mm-cm thick qtz-carb veins, trace fine grained Gl locally and on fracture surfaces			E6543897	3.60	4.00	0.40		31.3		<1.0	8	97	21	2300	99	22	0.02	
				3.20	3.25	VEIN	Qtz-Carb	Massive	1 cm	Medium grained galena and Py			E6543899	4.00	4.50	0.50		31.8		<1.0	3	77	109	5040	121	24	0.14
				3.35	3.40	VEIN	Qtz-Carb	Veinlets	0.5 cm	Medium grained Gl grains in veinlets																	
4.50	20.50	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Color/Comp: Medium grey with a pink to purple background hue, medium grained throughout Min: Strong Ksp locally Alt: Typical silicification for this unit Veins: Trace mm thick veins occurs at various orientations Struct/text: Porphyritic and contains volcanic clasts dispersed throughout			E6543900	4.50	5.00	0.50		15.4		<1.0	0	47	37	1430	74	11	0.03						
20.50	21.30	FLTZ	FLTZ	Fault Zone Moderate local broken and blocky core throughout, local zones of mod to strong gouging.																							
				20.50	21.30	STRC	FAULT		Moderate local broken and blocky core throughout, local zones of mod to strong gouging.																		
21.30	22.30	IM	IM	Mafic Intrusive (non-Nipissing) Color/Comp: Medium to pale green and medium grained throughout Min: N/A Alteration: Mod chloritic alt throughout. Veins: Weak qtz-carb veining 1-2cm thick mostly oriented along foliation Struct/text: Massive																							
				21.30	22.30	ALT	CHL	PERVAS	Occurs in IM																		

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
22.30	106.10	VMP	VM	Mafic Volcanic				E6543901	38.00	38.40	0.40		57.6		<1.0	0	100	82	154	193	27	0.13		
				Color/Comp: Dark green to grey, fine grained throughout, local trace to weak deformation and brecciation zones.				E6543902	38.40	38.70	0.30		53.3		<1.0	0	103	40	3620	230	89	0.10		
				Mineralization: Trace Py/Po Locally usually associated with irregular to fol parallel veining. Local Sub-5cm intervals of Gl associated with veins				E6543903	38.70	39.20	0.50		58.5		<1.0	0	113	67	94	643	43	0.10		
				Alteration: Local trace to weak Ep/Chl locally and trace background carb locally.				E6543904	56.50	57.00	0.50		49.6		<1.0	0	109	89	9	85	<5	0.05		
				Veins: Weak over all veining. Local veins with Gl and local vein with Sph and Gl all veins are on the 1-4cm scale.				E6543905	57.00	57.30	0.30		51.3		<1.0	0	105	250	60	931	<5	0.16		
				Structure/texture: Mostly massive with pillows throughout.				E6543907	57.30	58.00	0.70		57.8		<1.0	1	115	124	213	307	5	0.23		
	38.60	38.70	VEIN	Qtz-Carb	VeinBx	3 cm	Vein hosts trace to weak Gl, vein matrix is dark grey but contains milky white calcite	E6543908	70.50	71.20	0.70		45.8		<1.0	0	95	119	13	104	<5	0.14		
	38.60	38.70	MIN			0.4% Sum	Blebby to wispy Gl occurs on margins of qtz-carb vein	E6543909	71.20	71.50	0.30		147.0		55.0	1	311	3300	8040	4140	183	2.97		
								E6543910	71.50	72.00	0.50		53.3		4.0	0	103	149	104	188	26	0.18		
								E6543911	72.00	73.00	1.00		55.0		<1.0	0	99	126	137	149	25	0.23		
	57.10	57.20	VEIN	Qtz-Carb	Massive	1 cm	Trace Sph	E6543913	73.00	74.00	1.00		53.0		<1.0	0	93	265	78	802	20	0.09		
	57.10	57.20	MIN			0.6% Sum	Very trace sph	E6543914	74.00	74.50	0.50		66.4		<1.0	1	115	362	773	3370	35	0.61		
	71.35	71.45	VEIN	Qtz-Carb	VeinBx	0.5 cm	Trace Cobalt	E6543915	74.50	74.80	0.30		85.3		<1.0	2	91	492	3040	2430	64	0.47		
	71.35	71.45	MIN			14.1% Sum	Blebby Py, diss-Sph/Cp, associated with very weak veining	E6543916	74.80	75.30	0.50		53.0		<1.0	1	95	86	242	292	26	0.11		
								E6543917	100.60	101.10	0.50		52.8		<1.0	0	97	60	43	124	<5	0.10		
								E6543919	101.10	101.40	0.30		48.1		<1.0	0	101	23	194	2360	<5	0.29		
								E6543920	101.40	101.90	0.50		48.3		<1.0	0	98	50	75	168	<5	0.19		
								E6543921	105.40	106.10	0.70		67.1		<1.0	0	251	21	205	1210	58	0.13		
106.10	114.00	IM	IM	Mafic Intrusive (non-Nipissing)				E6543922	106.10	106.40	0.30		58.9		<1.0	0	200	14	134	156	50	0.19		
				Color/Comp: Medium grained, dark to medium green throughout.				E6543923	106.40	107.00	0.60		58.9		<1.0	0	324	15	6	104	39	0.06		
				Min: Purple euhedral amethyst quartz abuts the VM at the up hole ct zone. Associatd with Ol or Ep in the background				E6543924	113.00	114.00	1.00		47.5		<1.0	0	220	24	13	113	9	0.08		
				Alteration: Typical background Chl alt throughout and weak Patchy Ksp locally																				
				Veins: Trace qtz-carb veins sub-cm in thickness oriented usually along foliation with weak Py.																				
				Struct/Text: Massive																				
	106.10	106.25	VEIN	Qtz	VeinBx	4 cm	Euhedral Amethyst quartz vein associated with Ep or possibly Ol																	
	106.10	106.25	MIN			0.1% Sum	Occurs in amethyst-quartz vein, at the VM and IM uphole CT																	

DRILL LOG

GEOLOGY								VISUAL ESTIMATES AND ASSAY RESULTS																				
From	To	Code	Label	Comment				Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act				
114.00	125.40	VMM	VM	Mafic Volcanic				E6543925	114.00	114.50	0.50		155.0		<1.0	1	97	43	35	84	63	2.54						
				Color/Comp: Fine grained dark green to grey				E6543927	114.50	115.00	0.50		91.6		<1.0	1	99	73	14	81	27	0.63						
				Min: Local zone with Py blebs and veinlets/bands of Py/Po				E6543928	121.00	121.80	0.80		44.9		<1.0	0	89	40	401	230	<5	0.07						
				Alteration: Local weak patches of Ksp				E6543929	121.80	123.00	1.20		53.6		<1.0	0	106	56	102	74	23	0.10						
				Veins: Weak mm-cm thick quartz carb veins oriented mostly along foliation				E6543930	123.00	124.00	1.00		55.2		<1.0	0	97	83	9	71	8	0.09						
				Stuct/Text: Massive				E6543931	124.00	124.60	0.60		56.7		<1.0	0	101	72	11	75	<5	0.15						
				114.40	114.50	VEIN	Qtz-Carb	VeinBx	5 cm	Weak pink carb, associated with mod to strong Py				E6543933	124.60	125.40	0.80		59.7		<1.0	0	107	56	1260	908	43	0.08
				114.40	114.50	MIN			40.0% Sum	Associated with VeinBx with weak pink Carb																		
				121.50	121.80	VEIN	Qtz-Chl	Tension	0.3 cm	mm thick gash veins amass to 2-3cm over this zone. Associated with a grey sulfide.																		
				121.50	121.80	STRC	FOL			mm thick gash veins occur in this higher strain zone adjacent to minor broken core. Possible targeted interpreted fault.																		
				121.50	121.80	MIN			0.1% Sum	Associated with gash veining																		
125.40	125.50	MDSS	MDSS	Disseminated or stringer sulphide/arsenide (20-40%)				E6543934	125.40	125.80	0.40		86.8		2.0	1	114	26	37900	10300	96	1.11						
				Occurs in VM, wispy 2-3cm (true thickness) Gl vein. Associated with traceclasts of milky white quartz. Adjacent to minor broken core.																								
				125.40	125.55	VEIN	Sulp	Massive	cm	Gl/Sph vein/wispy-band associated with weak broken rubble that also hosts Gl																		
				125.40	125.55	MIN			20.0% Sum	Vein with strong Gl band/vein. Gl associated with weak broken rubble																		
125.50	161.00	VMM	VM	Mafic Volcanic				E6543935	125.80	126.50	0.70		53.0		<1.0	0	104	89	168	121	15	0.10						
				Color/Comp: Dark green to grey and fine grained																								
				Min: Local weak diss Py and local weak diss/wispy Po																								
				Alt: Typical Chl alt throughout with local zones up to 2m long of elevated Chl/Ep. Local weak Alb.																								
				Veins: Weak mm-cm thick quartz carb veins oriented mostly along foliation. Local zone of higher strain that displays gash veining.																								
				Struct/Text: Overall-massive, local high strain zones with weak brecciation.																								
				138.00	139.70	STRC	BX			Weak brecciation associated with elevated Ch/Ep																		
				143.50	145.30	STRC	BX			Local cm sized zones of weak diss Po																		
				149.90	151.00	ALT	BLEACH	PATCHY		Weak to mod Po on up hole zone margin																		
161.00	161.00	EOH	EOH	End of Hole																								
				161.00	EOH	End of hole.																						

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	2.95					
5.00	8.00		2.93					
8.00	11.00		3.00					
11.00	14.00		2.96					
14.00	17.00		2.98					
17.00	20.00		2.95					
20.00	23.00		3.01					
23.00	26.00		3.00					
26.00	29.00		3.07					
29.00	32.00		3.01					
32.00	35.00		2.95					
35.00	38.00		3.05					RORC IS FROM TC PREV
38.00	41.00		2.97					
41.00	44.00		2.96					
44.00	47.00		3.02					
47.00	50.00		2.98					
50.00	53.00		3.01					
53.00	56.00		3.03					
56.00	59.00		2.99					
59.00	62.00		3.00					
62.00	65.00		3.02					
65.00	68.00		3.09					
68.00	71.00		2.97					
71.00	74.00		3.03					
74.00	77.00		3.04					
77.00	80.00		3.01					
80.00	83.00		2.97					
83.00	86.00		3.13					
86.00	89.00		3.09					
89.00	92.00		3.06					
92.00	95.00		3.01					
95.00	98.00		3.04					
98.00	101.00		2.99					
101.00	104.00		2.96					
104.00	107.00		2.90					
107.00	110.00		3.08					
110.00	113.00		2.99					
113.00	116.00		2.99					
116.00	119.00		2.70					
119.00	122.00		3.38					
122.00	125.00		3.07					
125.00	128.00		2.96					
128.00	131.00		2.97					

131.00	134.00	2.94
134.00	137.00	3.05
137.00	140.00	3.05
140.00	143.00	3.00
143.00	146.00	2.97
146.00	149.00	3.00
149.00	152.00	2.98
152.00	155.00	3.00
155.00	158.00	2.94
158.00	161.00	3.06

Cobalt South Project (Silver Centre Property)

Drill Log FCC-18-0139

COLLAR INFORMATION

Easting: 612,877.01 m **Azimuth:** 341.10°
Northing: 5,227,833.61 m **Dip:** -40.20°
Elevation: 277.82 m **Length:** 209.00 m
Target: testing canoe at Keeley

Comments: Caution: Blk/stds may not follow co min around 122m, ddint catch trainee until it was stapled and marked.

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	341.1°	341.1°	-40.2°	Collar
20.00	353.6°	341.1°	-39.0°	EZ-Trac
50.00	356.6°	344.1°	-38.3°	EZ-Trac
101.00	353.0° X	340.5°	-37.2° X	EZ-Trac
102.00	351.3°	338.8°	-37.9°	EZ-Trac
152.00	351.9°	339.4°	-37.2°	EZ-Trac
200.00	353.1°	340.6°	-35.9°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	209.0	Dan Chisholm	2018-Sep-26	Oct-09	
Drilling	0.0	209.0	Laframboise Drilling	2018-Sep-26	Sep-28	
Geotech + Orient	0.0	209.0	Dave Lamontagne	2018-Sep-27	Sep-28	
Core Logging	0.0	209.0	Gerhard Kiessling	2018-Oct-07	Oct-09	with JLB 115-209m.

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
0.00	1.90	CAS	CAS	Casing																		
1.90	13.17	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Fairly rubbly with sections that have oxidation, likely due to proximity to surface rather tha fault or void. Tr fg-mg diss py. Lenses of foliation defined by bl/epi.	E5722823	10.00	11.00	1.00		48.6		<1.0	5	133	342	234	769	55	0.56	3	11	
					E5722824	11.00	12.00	1.00		39.3		<1.0	1	128	80	147	311	16	0.49	14	7	
					E5722825	12.00	12.44	0.44		34.1		<1.0	0	125	72	167	127	13	0.32	9	6	
					E5722827	12.44	13.17	0.73		54.6		<1.0	1	133	100	250	320	43	0.33	9	9	
	12.00	13.00	STRC	FOL	a = 047°																	
13.17	15.58	IMLAM	LMP	Lamprophyre Dark grey to black, medium to coarse grained, massive, has many xenolith fragments, up to 3-4cm in diameter. Sort of looks like a breccia. Sharp UC and LC. Tr fg-mg py, with one cluster of sph near UC. Biotite is coarse grained up to 7-10%.	E5722828	13.17	14.00	0.83		55.8		<1.0	1	151	61	162	636	36	0.12	12	10	
					E5722829	14.00	15.00	1.00		55.0		<1.0	0	158	175	24	121	10	0.26	13	9	
					E5722830	15.00	15.58	0.58		40.9		<1.0	0	108	37	145	183	7	0.23	11	6	
15.58	27.60	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr fg-mg py, some patches of weak hem alteration, one white carb vein with 2-3% fg sph and tr py at 22.47m.	E5722831	15.58	16.00	0.42		47.8		<1.0	0	74	35	34	183	<5	0.23	9	6	
					E5722833	16.00	17.00	1.00		42.4		<1.0	0	68	48	104	266	7	0.19	9	6	
					E5722834	21.00	22.00	1.00		44.1		<1.0	0	58	105	14	108	9	0.41	9	6	
	22.47	22.60	VEIN	Carb-Sul	SetPara	0.5 cm				41.3		1.0	2	55	149	124	1240	20	0.36	9	10	
					E5722836	23.00	24.00	1.00		46.2		<1.0	0	60	127	15	133	6	0.47	13	6	
					E5722837	26.60	27.60	1.00		29.0		<1.0	1	54	35	11	102	5	0.08	9	4	
27.60	27.90	IMLAM	LMP	Lamprophyre Dark grey to black, medium to coarse grained, massive, has a couple xenolith fragments, up to 1-2cm in diameter. Sort of looks like a breccia. Sharp UC and LC. Tr fg-mg py.	E5722839	27.60	27.90	0.30		34.2		<1.0	0	174	19	8	90	<5	0.03	7	6	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
27.90	31.73	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr fg-mg py.	E5722840	27.90	28.52	0.62		37.4		<1.0	0	138	17	13	124	15	0.46	9	6	
					E5722841	28.52	29.00	0.48		27.5		<1.0	0	49	322	25	70	6	0.12	9	6	
		28.19	28.29	STRC	FAULT			1.00		38.7		<1.0	0	48	49	15	89	12	0.29	8	5	
				a = 045°																		
				Small brittle fault, looks late stage, broken, and a bit of fg gouge, and some chunky mg-cg py up to 3%.																		
31.73	33.08	IMLAM	LMP	Lamprophyre Dark grey to black, medium to coarse grained, massive, sharp UC and jagged LC.																		
		1.90	42.00	MIN																		
				0.6% Sum																		
				Diss tr fg-mg py, and diss sph along vein and contact noted.																		
33.08	45.07	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr fg-mg py to 42m then py increases to 2-3%.	E5722843	44.00	45.00	1.00		48.1		<1.0	1	91	132	7	83	39	0.49	5	7	
					E5722844	45.00	46.00	1.00		57.4		<1.0	1	149	227	18	122	131	0.02	7	9	
45.07	49.00	FLTZ	FLTZ	Fault Zone Rubbly, heavily broken and fractured, oxidized with hem staining everywhere. No major veining, some breccias, gouge. 2-3 % fg-mg py.	E5722845	46.00	47.00	1.00		61.2		<1.0	1	78	324	9	106	188	0.26	9	9	
					E5722847	47.00	48.00	1.00		51.6		<1.0	1	73	182	6	91	146	0.06	9	7	
					E5722848	48.00	49.00	1.00		45.4		<1.0	1	73	198	10	96	66	0.32	7	7	
49.00	51.01	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. 2-3% fg-mg py.	E5722849	49.00	50.00	1.00		46.2		<1.0	1	80	155	6	89	25	0.55	7	7	
		42.00	51.01	MIN																		
				2.0% Sum																		
				Diss 2-3% fg-mg py and occuring along fractures.																		
51.01	54.30	IMLAM	LMP	Lamprophyre Dark grey to black, medium to coarse grained, massive, sharp UC and jagged LC, coarse graine biotite up to 7-10%, some small black xeno fragments. Weakly hem altered.																		
		51.01	59.00	STRC	FAULT																	
				a = 035°																		
				Rubbly, heavily broken and fractured, oxidized with hem staining everywhere. No major veining, some breccias, gouge. 2-3 % fg-mg py.																		
54.30	62.00	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses of epidote and bleaching. 3-5% fg-mg diss py.	E5722850	61.00	62.00	1.00		52.3		<1.0	0	67	126	13	94	16	0.85	7	7	
62.00	65.00	FLTZ	FLTZ	Fault Zone Fault zone, rubbly, some large fracture core pieces and other finer rubble, weak gouge. Occurs through contact with IFFP at 64.5m. Looks slightly oxidized and rusty, more so in IFFP section (also has hem zone). No signficiant min aside from the pyrite noted.	E5722851	62.00	63.00	1.00		71.6		2.0	2	74	275	14	97	95	1.16	7	10	
					E5722853	63.00	64.00	1.00		82.9		3.0	2	83	314	16	94	91	0.58	10	12	
					E5722854	64.00	64.50	0.50		56.1		4.0	2	70	298	22	92	61	0.80	7	10	
					E5722855	64.50	65.00	0.50		74.9		4.0	1	68	368	44	78	129	0.12	10	12	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
65.00	67.50	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Massive, greyish red, felsic to intermediate porphyritic intrusive, some small 1-2cm xeno fragments. Broken LC with Lamp. Weak hem alt.	E5722856	65.00	66.00	1.00		22.9		2.0	0	63	52	17	59	13	0.17	12	4
					E5722857	66.00	67.00	1.00		19.6		<1.0	0	70	246	8	56	16	0.12	4	5
					E5722859	67.00	67.50	0.50		32.4		<1.0	0	70	70	5	57	12	0.26	5	4
67.50	70.53	IMLAM	LMP	Lamprophyre Dark grey, medium to coarse grained, massive, mg-cg biotite up to 7%-10%, some small greenish black altered xeno fragments, massive, contains Co VN noted.	E5722860	67.50	68.00	0.50		39.0		<1.0	0	195	29	6	100	39	0.05	4	7
					E5722861	68.00	69.00	1.00		42.2		<1.0	0	213	46	7	102	34	0.10	12	7
					E5722862	69.00	70.00	1.00		46.0		<1.0	0	216	51	9	103	32	0.14	7	8
					E5722863	70.00	70.44	0.44		54.9		<1.0	0	256	21	10	105	140	0.05	8	9
70.53	70.69	VEIN	VEIN	Vein Co Ag Cobalt and silver bearing carb vein. Two parallel white carb veins (3cm and 5cm thickness) that look like they have planar chl foliation within them (parallel to structure) weak chunky chl blebs, 1% fg-mg py along edges but within vein, tr fg aspy clusters diss within host rock just outside vein, along with some dark grey, fg dark grey metallic clusters of Co diss within host rock 1-2cm from vein - hard to see and distinguish from host rock. XRF @ 0.5% Co, 46 ppm Ag.	E5722864	70.44	70.87	0.43	871	360.0		143.0	2	256	508	74	104	1520	0.22	86	108
70.69	70.87	IMLAM	LMP	Lamprophyre Dark grey, medium to coarse grained, massive, mg-cg biotite up to 7%-10%, some small greenish black altered xeno fragments, massive, contains Co VN noted.																	
70.87	75.77	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. 2-3% fg-mg py.	E5722867	70.87	71.50	0.63		47.8		1.0	0	74	103	5	81	11	0.32	108	7
					E5722868	71.50	72.00	0.50		54.7		2.0	0	71	135	8	89	20	0.86	7	8
					E5722869	72.00	73.00	1.00		54.9		1.0	0	72	168	7	96	7	1.17	8	8
					E5722870	73.00	74.00	1.00		52.1		1.0	0	72	162	6	96	9	1.03	8	7
					E5722871	74.00	75.00	1.00		52.2		<1.0	0	72	145	<5	89	11	1.09	7	7
75.77	77.61	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Massive, greyish red, felsic to intermediate porphyritic intrusive, some small 1-2cm xeno fragments.																	

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
77.61	91.70	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. 1-2% fg-mg py. At 78.31m there is a but of rubbly mixed litho gravel, it looks like some overburden or something fell in possibly - doesn't quite look like muck/fill or a void. The core pieces on either end fit perfectly suggesting it broken then these were places in the tube afterward somehow.																		
	70.69	91.70	MIN	1.5% Sum																		
91.70	94.43	IIFP	IIFP	Intermediate Fragmental/Xenolithic Porphyry Massive, greyish red, felsic to intermediate porphyritic intrusive, some small 1-2cm xeno fragments.																		
94.43	98.14	IM	IM	Mafic Intrusive (non-Nipissing) Dark grey to black, fine graine, xenolithic fragments of various size and shape, some very small and angular to chunky VM fragments. Possible kimberlite? Becomes more xeno rich towards lower contact downhole.																		
98.14	101.50	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py.	E5722873	100.00	101.00	1.00		49.5		<1.0	0	214	53	<5	81	20	0.16			8
					E5722874	101.00	102.00	1.00		44.2		<1.0	0	278	30	<5	107	25	<0.01			8
101.50	104.00	FLTZ	FLTZ	Fault Zone Rubbly fault zone, looks like it's broken along many chl slip planes and chewed by drill, motly 2-5cm chunks of core with a bit fg rubble, no major gouge.	E5722875	102.00	103.00	1.00		47.1		<1.0	0	293	23	<5	105	35	0.03			9
104.00	104.35	IIFP	IIFP	Intermediate Fragmental/Xenolithic Porphyry Massive, greyish red, felsic to intermediate porphyritic intrusive, some small 1-2cm xeno fragments. Pink (hem'd stained) carb vein set, barren.	E5722876	103.00	104.35	1.35		187.0		<1.0	1	272	18	<5	101	287	0.09			21
104.35	115.78	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py.	E5722877	104.35	105.00	0.65		194.0		<1.0	1	169	19	9	66	309	0.25			20
					E5722879	105.00	106.00	1.00		55.2		<1.0	0	137	74	7	67	38	0.18			7
					E5722881	115.00	115.78	0.78		65.6		<1.0	0	151	105	11	75	24	0.25			9
115.78	116.57	IMLAM	LMP	Lamprophyre Dark grey to black, medium grained, massive mafic intrusive, small black xeno fragments, 5-7% coarse biotite, and what appears to be some feldspars within unit.	E5722882	115.78	116.57	0.79		44.0		<1.0	0	62	59	7	68	7	0.05			5
116.57	122.15	VMP	VMP	Mafic Volcanic - Pillowed Flow Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py.	E5722883	116.57	117.00	0.43		57.8		<1.0	0	144	234	15	71	16	0.39			9
					E5722884	117.00	118.00	1.00		58.7		<1.0	0	145	146	20	67	35	0.38			8
					E5722885	118.00	119.00	1.00		52.7		<1.0	1	140	180	27	76	72	0.39	8		8
	118.00	120.50	MIN	0.5% Sum	E5722887	119.00	120.00	1.00		98.9		<1.0	1	142	161	65	62	84	0.28	8		12
					E5722888	120.00	121.00	1.00		53.8		<1.0	0	160	75	45	66	57	0.24	12		8
	119.07	119.11	STRC	FAULT	E5722889	121.00	121.65	0.65		68.5		<1.0	1	156	221	11	68	48	0.90			10
					E5722890	121.65	122.15	0.50		92.3		<1.0	2	148	210	7	54	353	0.68			12

DRILL LOG

GEOLOGY										VISUAL ESTIMATES AND ASSAY RESULTS																		
From	To	Code	Label	Comment						Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act		
122.15	123.05	IM	IM	Mafic Intrusive Fg Diss Co Fine-grained, dark grey mafic intrusive with pervasive chloritization. Weakly silicified. Irregular, grey quartz vein from 122.85 -122.95 m with minor disseminated cobalt. Trace fine disseminated cobalt and 1 % fracture filling arsenopyrite from 122.35 m up to quartz vein.						E5722891	122.15	122.65	0.50	2342	916.0		<1.0	2	219	128	18	34	2590	0.10	218	85		
									E5722893	122.65	123.05	0.40	2939	675.0		<1.0	2	163	116	34	25	3110	0.12	344	63			
	122.35	122.85	MIN	0.5% Cb	1.5% Sum	interval with very fine disseminated cobalt, fracture filling arsenopyrite																						
	122.85	122.95	VEIN	Qtz-Co	Massive	5 cm	irregular quartz vein with very fine diss cobalt																					
	122.85	122.95	MIN	0.5% Cb	0.5% Sum	very fine disseminated cobalt within irregular quartz vein																						
123.05	124.70	IMLAM	LMP	Lamprophyre Fine-grained, tan grey lamprophyre with strong, pervasive carbonate alteration. Pervasive biotite phenocrysts with weak, preferred orientation in some areas. Gouge at 124.05 m. No mineralization.						E5722894	123.05	123.55	0.50		69.0		<1.0	1	155	125	32	44	217	<0.01		9		
									E5722895	123.55	124.05	0.50		53.5		<1.0	0	198	36	13	56	99	<0.01		8			
									E5722896	124.05	124.35	0.30		89.6		<1.0	0	185	47	56	54	73	<0.01		11			
	124.05	124.06	STRC	FAULT	small fault and gouge within mafic volcanics					E5722897	124.35	124.70	0.35		50.1		<1.0	0	140	161	52	52	73	<0.01		8		
124.70	128.20	VMM	VM	Mafic Volcanic w/ Co vein Fine-grained, massive to weakly foliated, green/grey mafic volcanics. Patchy weak epidote and bleaching throughout - foliated in some areas. 1 cm Co vein from 128.20-128.21 m (1.4 % Co, 900 ppm Ag). Trace blebby pyrite.						E5722898	124.70	125.30	0.60		78.0		<1.0	1	142	221	102	60	133	0.35		11		
									E5722900	125.30	126.00	0.70		63.8		<1.0	1	148	217	7	62	35	0.42		9			
									E5722901	126.00	127.00	1.00		58.3		<1.0	0	150	111	5	49	14	0.20		8			
									E5722902	127.00	128.00	1.00		75.1		<1.0	1	143	238	5	74	146	0.34		10			
	124.75	124.90	STRC	FAULT	a = 070°	strong fault with clayey gouge, within mafic volcanics																						
128.20	128.21	VEIN	VEIN	Co + Ag Vein Co vein within mafic volcanics from 128.20-128.21 m (1.4 % Co, 900 ppm Ag).						E5722903	128.00	128.30	0.30		1110.0		1.0	75	176	138	7	75	7620	0.25	10	102		
	128.20	128.21	VEIN	Carb-Co	Massive	1 cm	cobalt and silver bearing white carbonate vein																					
128.21	128.70	VMM	VM	Mafic Volcanic Fine-grained, massive to weakly foliated, green/grey mafic volcanics. Patchy weak epidote and bleaching throughout - foliated in some areas. 3 % patchy/fracture filling pyrite from 128.5-128.6 m, trace blebby pyrite elsewhere.						E5722904	128.30	128.70	0.40		106.0		3.0	3	171	356	18	96	84	2.65		16		
	125.00	132.00	STRC	FOL	a = 060°	moderate foliation of ep/chl alteration within mafic volcanics																						
	128.21	128.21	MIN	40.0% Cb	5.0% Ag	45.0% Sum	Co within white carbonate vein																					
128.70	131.00	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium-grained, brown/grey, crowded feldspar porphyry with dark grey fragments throughout. Weak pervasive hematization. Rare fracture filling pyrite.						E5722905	128.70	129.30	0.60		18.6		<1.0	1	49	33	8	59	56	0.08		3		
									E5722907	129.30	130.00	0.70		15.1		<1.0	0	45	22	7	54	9	0.09		2			
									E5722908	130.00	131.00	1.00		15.4		<1.0	0	38	22	9	55	10	0.07		2			
131.00	132.35	VMM	VM	Mafic Volcanic Continuation of upper mafic volcanics. Weakly foliation with patchy epidote + bleaching. Trace fracture filling pyrite.						E5722909	131.00	131.75	0.75		51.1		<1.0	0	125	107	24	95	20	0.57		7		
									E5722910	131.75	132.35	0.60		54.6		<1.0	0	135	182	36	156	18	0.58		8			

DRILL LOG

GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act
132.35	138.20	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium to coarse grained, brown/grey, crowded feldspar porphyry with dark grey fragments (up to 2 cm). Weak pervasive hematization. Trace carbonate filled fractures. No mineralization.	E5722911	132.35	133.00	0.65		14.5		<1.0	0	38	15	9	54	<5	0.04		2
					E5722913	133.00	134.00	1.00		14.2		<1.0	0	37	12	6	50	<5	0.06		2
					E5722914	134.00	135.00	1.00		14.2		<1.0	0	39	13	6	50	<5	0.07		2
					E5722915	135.00	136.00	1.00		14.7		<1.0	0	35	14	8	51	<5	0.05		2
138.20	138.60	VMM	VM	Mafic Volcanic Continuation of upper green/grey mafic volcanics. Weakly foliation with pathcy epidote + bleaching.																	
138.60	145.35	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium to coarse grained, brown/grey, crowded feldspar porphyry with dark grey fragments. Weak pervasive hematization. Trace carbonate filled fractures. Set of parallel quartz veinlets from 142-142.85 m, some jasper filled/hematite altered. Rare fracture fillig pyrite.																	
145.35	147.60	VMM	VM	Mafic Volcanic Fine-grained, green/pale yellow, massive mafic volcanics. Pervasive, fracture controlled epidote, carbonate, bleached alteration. Purplish grey quartz veins with trace pyrite at 146.06 m and 146.65 m.																	
						146.65	146.66	VEIN	Qtz-Sulp	Massive	1 cm	purplish grey quartz vein with 1 % anhedral pyrite									
147.60	148.40	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Medium to coarse grained, brown/grey, crowded feldspar porphyry with dark grey fragments. Weak pervasive hematization. Trace very fine disseminated pyrite concentrated near upper contact, other no mineralization. Irregular lower contact with lower VM.																	
148.40	154.14	VMP	VM	Mafic Volcanic Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py. Some sections are locally sheared with foliation.																	
154.14	157.28	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Grey to reddish grey, massive, felsic feldspathic xenolithic fragmental porphyry unit, small <1cm black to green xeno fragments, feldspars 1-2mm in dia.																	
157.28	160.51	VMP	VM	Mafic Volcanic Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py. Some sections are locally sheared with foliation.																	
160.51	162.57	IMLAM	LMP	Lamprophyre Dark grey to black, medium to medium coarse grained, biotite varies from 5-10%, massive, mafic intrusive.																	
162.57	165.50	VMP	VM	Mafic Volcanic Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py. Some sections are locally sheared with foliation.																	

DRILL LOG

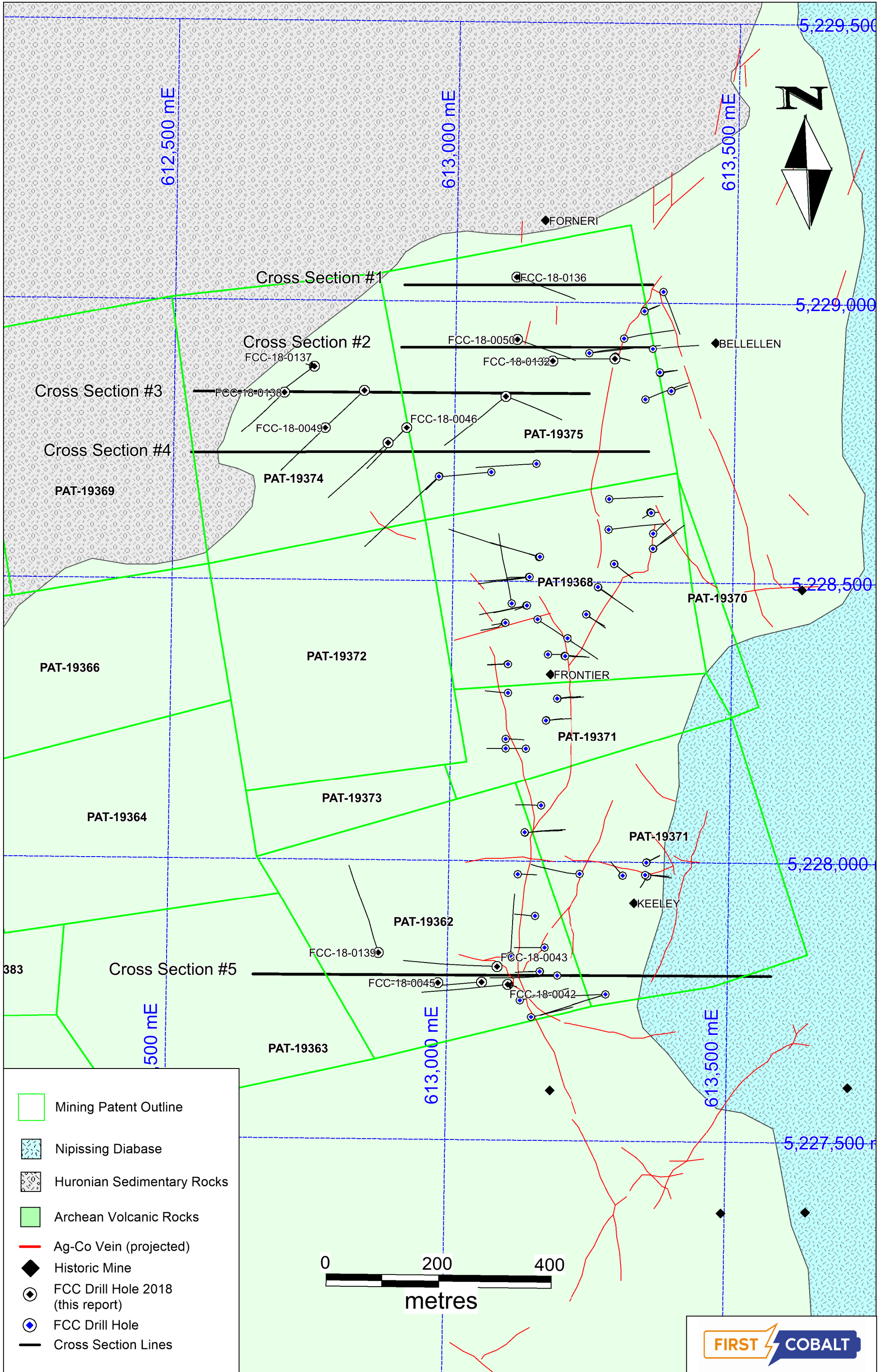
GEOLOGY					VISUAL ESTIMATES AND ASSAY RESULTS																	
From	To	Code	Label	Comment	Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	\$/t est	\$/t act	
165.50	167.69	IFFP	IFFP	Felsic fragmental/xenolithic Porphyry Grey to reddish grey, massive, felsic feldspathic xenolithic fragmental porphyry unit, small <1cm black to green xeno fragments, feldspars 1-2mm in dia, short lense of Vm between LC and IMLAMP, too small to break out.																		
167.69	168.50	IMLAM	LMP	Lamprophyre Dark grey to black, medium to medium coarse grained, biotite varies from 5-10%, massive, mafic intrusive.																		
168.50	187.75	VMP	VM	Mafic Volcanic Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py. Some sections are locally sheared with foliation.																		
	180.00	181.00	STRC	FOL	a = 052°	Set of foliation defined by epidote/bleaching and chl alignment.																
187.75	188.39	IMLAM	LMP	Lamprophyre Dark grey to black, medium to medium coarse grained, biotite varies from 5-10%, massive, mafic intrusive.																		
188.39	195.07	VMP	VM	Mafic Volcanic Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py. Some sections are locally sheared with foliation.																		
	192.00	193.00	STRC	FOL	a = 055°	Set of foliation defined by epidote/bleaching and chl alignment.																
195.07	201.04	IMLAM	LMP	Lamprophyre Dark grey to black, medium to medium coarse grained, biotite varies from 5-10%, massive, mafic intrusive.																		
201.04	209.00	VMP	VM	Mafic Volcanic Dark grey to dark green, fine grained, pillowed mafic volcanics, mod lenses sof epidote and bleaching. Tr-1% fg-mg py. Some sections are locally sheared with foliation.																		
	203.00	204.00	STRC	FOL	a = 047°	Set of foliation defined by epidote/bleaching and chl alignment.																
209.00	209.00	EOH	EOH	End of Hole																		
	209.00	EOH		End of hole.																		

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	2.90					
5.00	8.00		3.01					
8.00	11.00		2.85					
11.00	14.00		3.14					
14.00	17.00		3.01					
17.00	20.00		3.03					
20.00	23.00		3.08					
23.00	26.00		3.07					
26.00	29.00		3.08					
29.00	32.00		2.93					
32.00	35.00		3.01					
35.00	38.00		2.98					
38.00	41.00		2.99					
41.00	44.00		3.00					Fictif TCR rock too brok
44.00	47.00		3.00					Fictif TCRFictif TCR rock
47.00	50.00		3.00					Fictif TCR rock too brok
50.00	53.00		3.00					
53.00	56.00		3.06					
56.00	59.00		2.81					
59.00	62.00		2.92					
62.00	65.00		0.00					Fictif TCR rock too brok
65.00	68.00		2.91					
68.00	71.00		2.97					
71.00	74.00		3.04					
74.00	77.00		2.93					
77.00	80.00		3.08					
80.00	83.00		2.94					
83.00	86.00		3.12					
86.00	89.00		3.00					
89.00	92.00		3.01					
92.00	95.00		3.01					
95.00	98.00		2.82					
98.00	101.00		2.93					
101.00	104.00		3.00					Fictif TCR rock too brok
104.00	107.00		3.02					
107.00	110.00		2.94					
110.00	113.00		2.96					
113.00	116.00		3.06					
116.00	119.00		2.92					
119.00	122.00		3.04					
122.00	125.00		2.80					
125.00	128.00		2.98					
128.00	131.00		2.94					

131.00	134.00	2.98
134.00	137.00	3.10
137.00	140.00	2.83
140.00	143.00	2.98
143.00	146.00	2.87
146.00	149.00	3.10
149.00	152.00	3.06
152.00	155.00	2.98
155.00	158.00	2.96
158.00	161.00	3.02
161.00	164.00	3.01
164.00	167.00	2.80
167.00	170.00	2.99
170.00	173.00	3.03
173.00	176.00	3.01
176.00	179.00	3.02
179.00	182.00	2.96
182.00	185.00	3.03
185.00	188.00	2.95
188.00	191.00	2.96
191.00	194.00	2.98
194.00	197.00	3.03
197.00	200.00	2.93
200.00	203.00	2.96
203.00	206.00	3.02
206.00	209.00	2.98

End of Hole



Cross Section #1

613000 mE

613100 mE

613200 mE

613300 mE

613400 mE

613500 mE

FCC-18-0136



FCC-18-0001
FCC-18-0002

24.69 m




37.79 m


FCC-18-0136

Logged Lithology (Simplified)

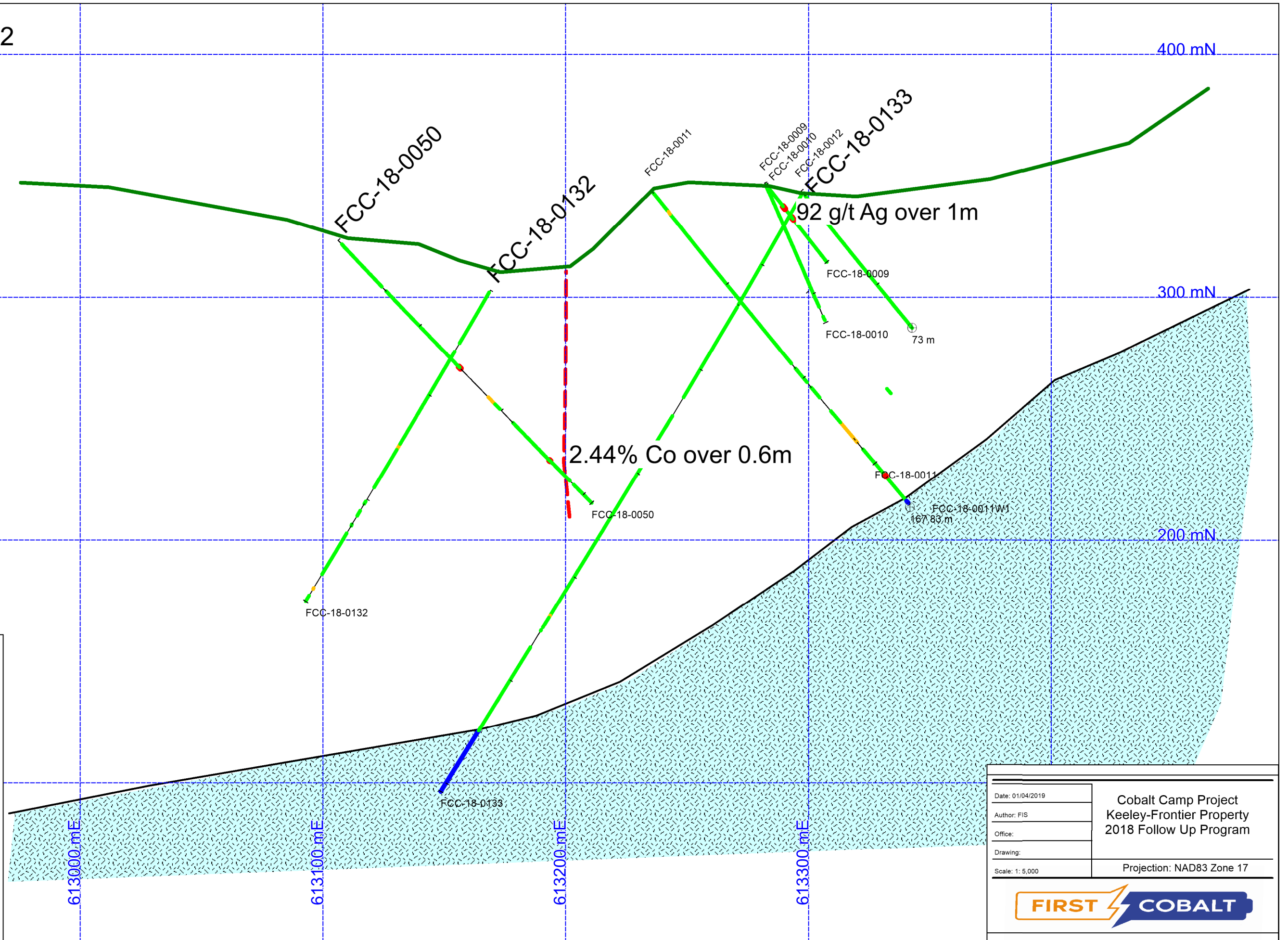
-  Vein
-  Diabase
-  Dyke
-  Mafic Volcanic Rock

Interpreted Geology

-  Vein
-  Contact
-  Nipissing Diabase

Date: 01/04/2019	Cobalt Camp Project Keeley-Frontier Property 2018 Follow Up Program
Author: FIS	
Office:	
Drawing:	
Scale: 1: 5,000	Projection: NAD83 Zone 17
	

Cross Section #2



Logged Lithology (Simplified)

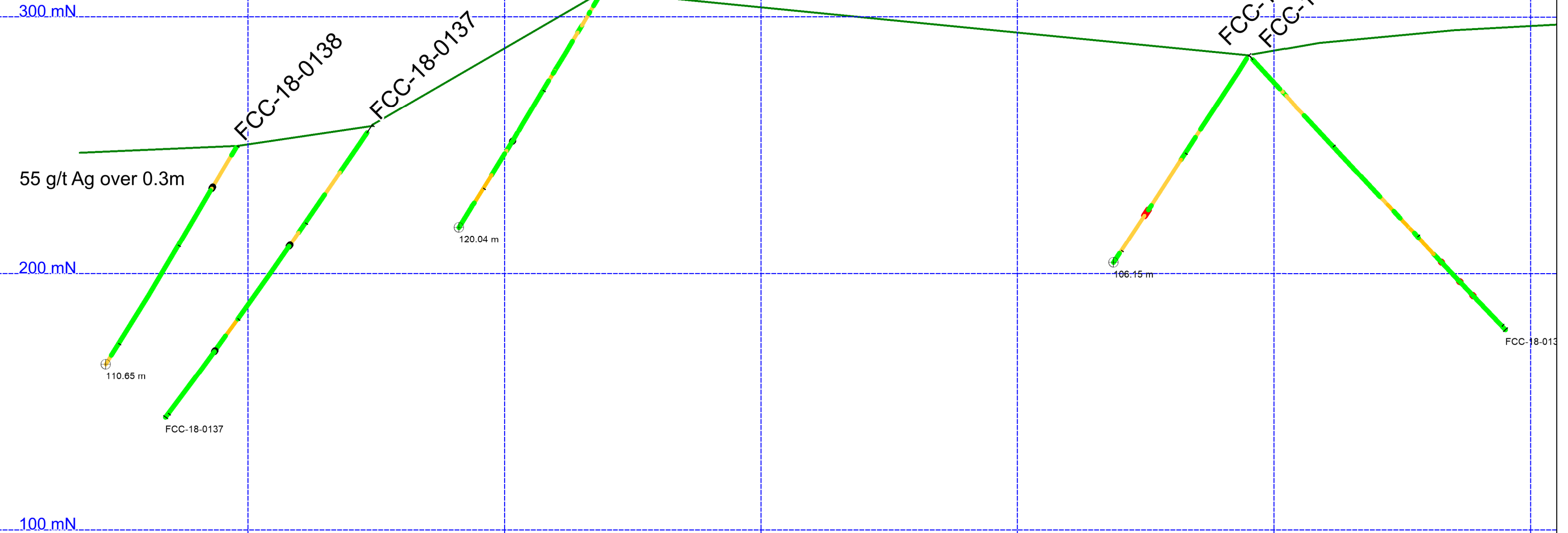
- Vein
- Diabase
- Dyke
- Mafic Volcanic Rock

Interpreted Geology





- - - Vein
- Contact
- Nipissing Diabase

Date: 01/04/2019	Cobalt Camp Project Keeley-Frontier Property 2018 Follow Up Program
Author: FIS	
Office:	
Drawing:	
Scale: 1: 5,000	Projection: NAD83 Zone 17




Cross Section #3



Logged Lithology (Simplified)

-  Vein
-  Diabase
-  Dyke
-  Mafic Volcanic Rock

Interpreted Geology

-  Vein
-  Contact
-  Nipissing Diabase

612,700 mE

612,800 mE

612,900 mE

613,000 mE

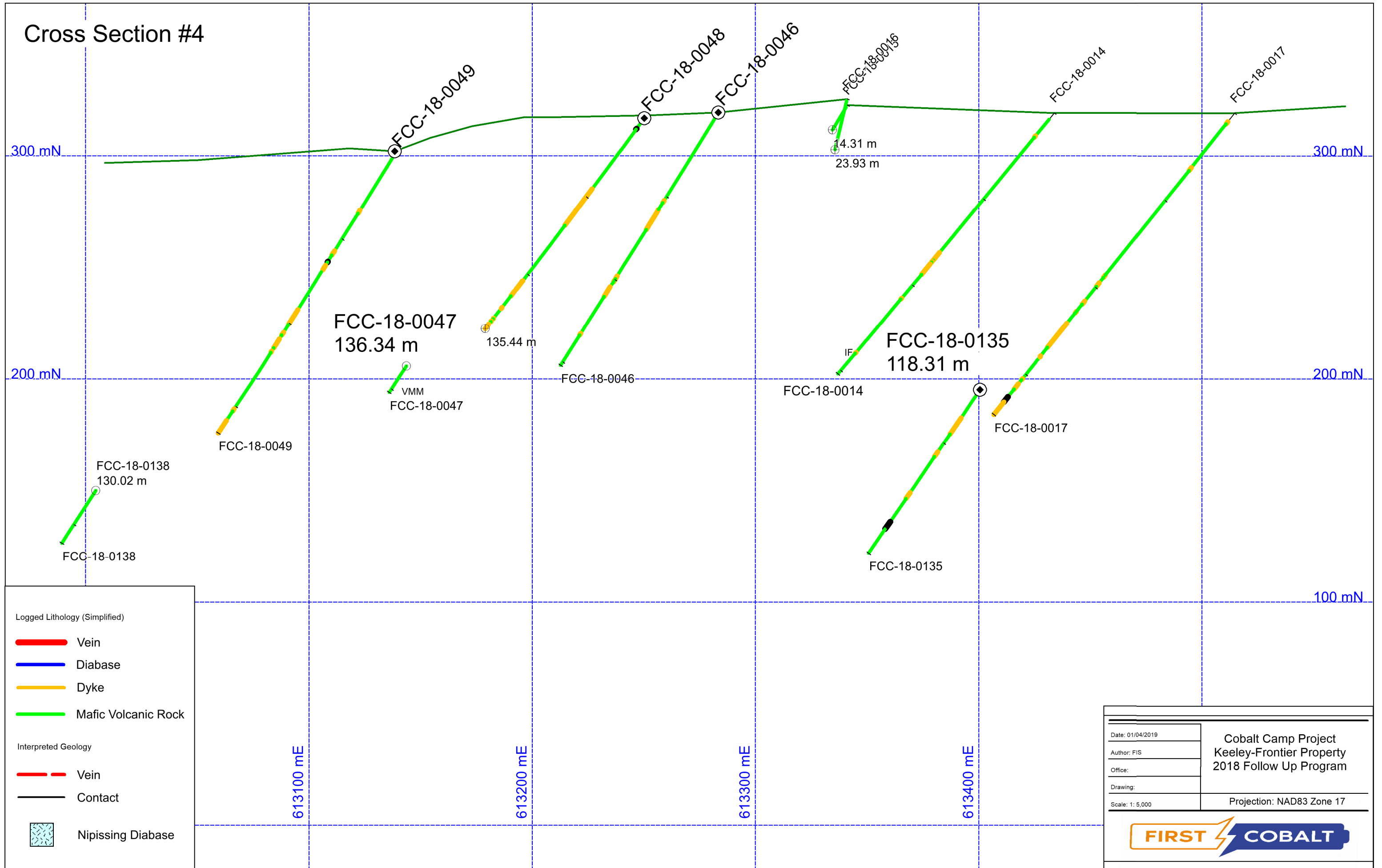
613,100 mE

613,200 mE

Date: 01/04/2019	Cobalt Camp Project Keeley-Frontier Property 2018 Follow Up Program
Author: FIS	
Office:	
Drawing:	
Scale: 1: 5,000	Projection: NAD83 Zone 17

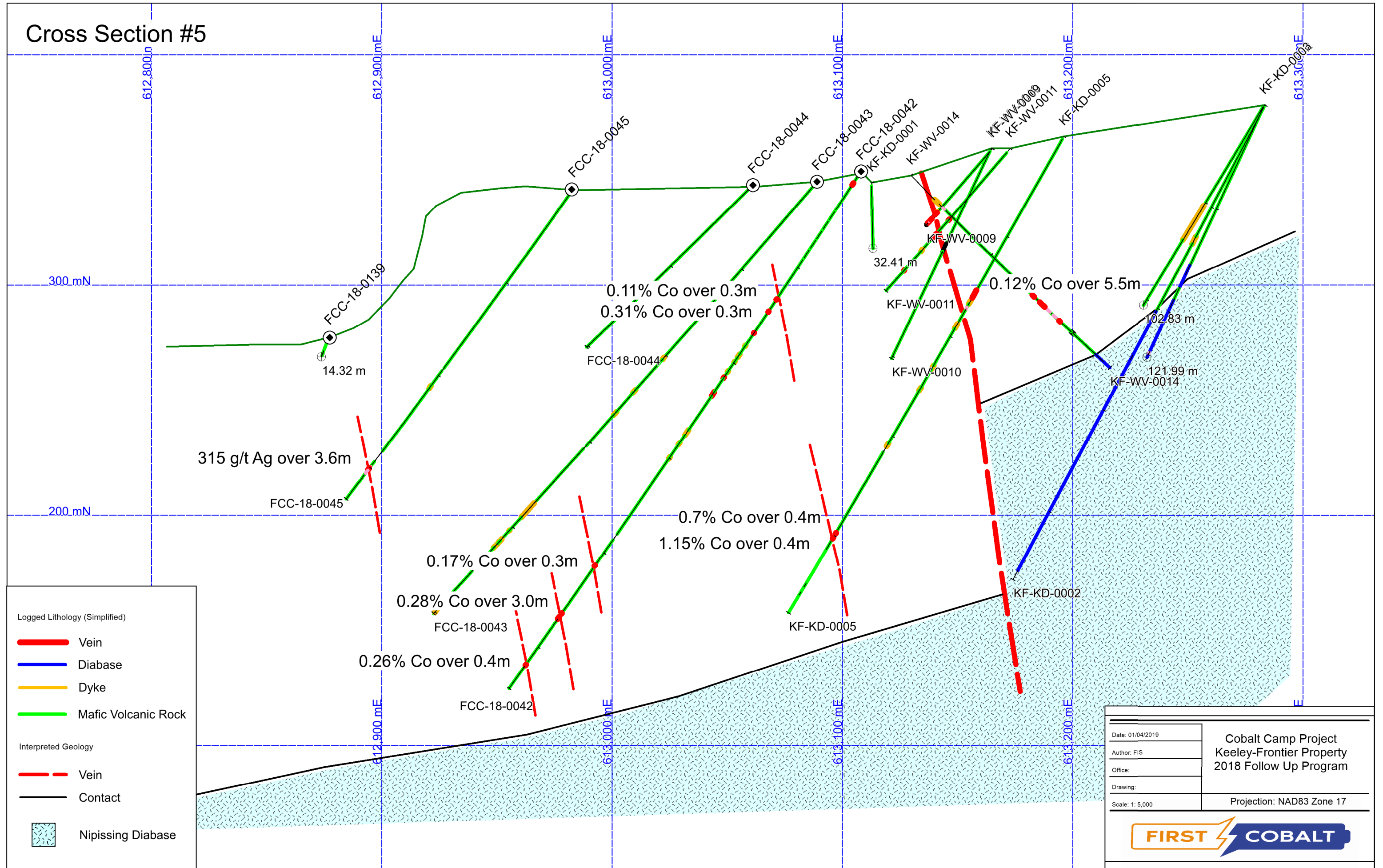


Cross Section #4



Date: 01/04/2019	Cobalt Camp Project Keeley-Frontier Property 2018 Follow Up Program
Author: FIS	
Office:	
Drawing:	
Scale: 1: 5,000	Projection: NAD83 Zone 17

Cross Section #5



315 g/t Ag over 3.6m

14.32 m

0.11% Co over 0.3m
0.31% Co over 0.3m

32.41 m

0.12% Co over 5.5m

102.83 m

121.99 m

0.7% Co over 0.4m
1.15% Co over 0.4m

0.17% Co over 0.3m

0.28% Co over 3.0m

0.26% Co over 0.4m





CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-127A

AGAT WORK ORDER: 18B338700

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jun 12, 2018

PAGES (INCLUDING COVER): 31

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612702 (9240555)		3.71
E6612703 (9240556)		2.46
E6612704 (9240557)		3.17
E6612705 (9240558)		2.33
E6612706 (9240559)		0.01
E6612707 (9240560)		3.07
E6612708 (9240561)		2.34
E6612709 (9240562)		2.68
E6612710 (9240563)		3.14
E6612711 (9240564)		3.24
E6612712 (9240565)		1.51
E6612713 (9240566)		2.89
E6612714 (9240567)		3.21
E6612715 (9240568)		2.87
E6612716 (9240569)		3.26
E6612717 (9240570)		3.03
E6612718 (9240571)		3.03
E6612719 (9240572)		2.35
E6612720 (9240573)		3.81
E6612721 (9240574)		2.88
E6612722 (9240575)		2.83
E6612723 (9240576)		2.86
E6612724 (9240577)		2.90
E6612725 (9240578)		2.49
E6612726 (9240579)		0.01
E6612727 (9240580)		3.31
E6612728 (9240581)		2.28
E6612729 (9240582)		2.72
E6612730 (9240583)		2.75
E6612731 (9240584)		2.81
E6612732 (9240585)		2.28

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018 DATE RECEIVED: May 10, 2018 DATE REPORTED: Jun 12, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612733 (9240586)		2.55
E6612734 (9240587)		3.23
E6612735 (9240588)		2.95
E6612736 (9240589)		3.27
E6612737 (9240590)		2.34
E6612738 (9240591)		2.34
E6612739 (9240592)		3.09
E6612740 (9240593)		3.46
E6612741 (9240594)		3.01
E6612742 (9240595)		3.05
E6612743 (9240596)		2.66
E6612744 (9240597)		2.51
E6612745 (9240598)		3.12
E6612746 (9240599)		0.01
E6612747 (9240600)		2.85
E6612748 (9240601)		2.38
E6612749 (9240602)		3.04
E6612750 (9240603)		2.59
E6612751 (9240604)		3.06
E6612752 (9240605)		1.35
E6612753 (9240606)		3.37
E6612754 (9240607)		3.54
E6612755 (9240608)		3.11
E6612756 (9240609)		3.32
E6612757 (9240610)		2.42
E6612758 (9240611)		2.42
E6612759 (9240612)		3.07
E6612760 (9240613)		2.30
E6612761 (9240614)		2.99
E6612762 (9240615)		2.53
E6612763 (9240616)		2.23

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612764 (9240617)		3.25
E6612765 (9240618)		3.22
E6612766 (9240619)		0.01
E6612767 (9240620)		3.02
E6612768 (9240621)		2.76
E6612769 (9240622)		2.86
E6612770 (9240623)		2.85
E6612771 (9240624)		3.12
E6612772 (9240625)		1.40
E6612773 (9240626)		1.56
E6612774 (9240627)		0.99
E6612775 (9240628)		1.94
E6612776 (9240629)		1.45
E6612777 (9240630)		2.12
E6612778 (9240631)		1.17
E6612779 (9240632)		2.12
E6612780 (9240633)		2.25
E6612781 (9240634)		0.93
E6612782 (9240635)		0.87

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6612702 (9240555)	<1	8.50	<5	24	125	<5	0.2	7.85	0.6	9.7	54.0	0.027	0.3	176	
E6612703 (9240556)	<1	8.36	<5	23	144	<5	0.2	5.67	<0.2	8.2	57.2	0.024	0.3	114	
E6612704 (9240557)	<1	8.52	<5	22	155	<5	0.3	7.40	<0.2	10.1	66.2	0.029	0.4	166	
E6612705 (9240558)	<1	8.73	<5	25	183	<5	0.2	7.65	<0.2	9.4	53.0	0.026	0.4	153	
E6612706 (9240559)	<1	4.75	576	110	177	<5	7.9	4.38	<0.2	71.0	980	0.006	2.5	3060	
E6612707 (9240560)	<1	8.56	44	25	208	<5	1.6	6.81	<0.2	10.1	119	0.025	0.5	445	
E6612708 (9240561)	2	8.79	2270	<20	141	<5	61.9	7.25	0.9	10.4	894	0.026	0.7	118	
E6612709 (9240562)	<1	8.53	23	22	182	<5	0.9	7.20	<0.2	9.2	49.9	0.023	0.9	83	
E6612710 (9240563)	<1	8.10	12	<20	137	<5	0.7	4.30	<0.2	9.2	49.8	0.022	0.9	118	
E6612711 (9240564)	<1	8.30	<5	<20	192	<5	0.5	7.12	<0.2	7.7	82.2	0.022	0.6	159	
E6612712 (9240565)	<1	0.07	<5	<20	16.4	<5	<0.1	32.4	<0.2	0.8	0.8	<0.005	<0.1	<5	
E6612713 (9240566)	<1	8.64	10	<20	200	<5	0.2	6.24	<0.2	9.4	57.8	0.024	0.5	123	
E6612714 (9240567)	<1	8.33	36	<20	143	<5	0.5	5.38	<0.2	8.5	72.3	0.022	1.4	205	
E6612715 (9240568)	<1	7.97	16	<20	137	<5	0.8	5.94	<0.2	9.8	75.1	0.022	1.2	239	
E6612716 (9240569)	<1	8.56	<5	<20	175	<5	0.2	5.64	<0.2	8.2	32.7	0.026	1.0	113	
E6612717 (9240570)	<1	8.30	9	<20	227	<5	0.6	6.82	<0.2	9.5	69.4	0.022	0.5	185	
E6612718 (9240571)	<1	8.32	8	<20	234	<5	0.5	6.89	<0.2	9.2	69.3	0.023	0.5	187	
E6612719 (9240572)	<1	8.32	7	<20	178	<5	0.3	6.63	<0.2	10.9	54.3	0.027	0.8	131	
E6612720 (9240573)	<1	8.79	11	<20	238	<5	0.3	5.23	<0.2	11.5	48.8	0.026	0.5	93	
E6612721 (9240574)	<1	6.99	7	<20	437	<5	<0.1	5.25	<0.2	64.2	35.1	0.051	0.6	35	
E6612722 (9240575)	<1	8.95	10	21	251	<5	0.4	6.38	<0.2	10.0	54.0	0.026	0.6	113	
E6612723 (9240576)	<1	8.00	16	<20	262	<5	0.3	8.33	<0.2	10.0	57.6	0.022	0.2	102	
E6612724 (9240577)	<1	8.53	6	<20	172	<5	0.3	5.28	<0.2	10.3	42.4	0.025	0.9	130	
E6612725 (9240578)	<1	8.74	<5	<20	36.3	<5	0.2	2.86	<0.2	8.9	56.8	0.023	0.2	168	
E6612726 (9240579)	<1	4.63	587	108	171	<5	7.6	4.18	<0.2	71.5	992	0.006	2.6	2910	
E6612727 (9240580)	1	8.50	24	26	102	<5	1.3	8.35	0.4	8.7	89.6	0.021	0.2	716	
E6612728 (9240581)	<1	8.85	7	<20	169	<5	0.2	3.50	<0.2	8.9	29.2	0.024	0.6	60	
E6612729 (9240582)	<1	8.59	<5	<20	160	<5	0.1	4.10	<0.2	10.6	38.9	0.023	0.7	83	
E6612730 (9240583)	<1	8.77	<5	<20	163	<5	<0.1	4.82	<0.2	8.8	35.8	0.025	0.9	83	
E6612731 (9240584)	<1	8.47	<5	<20	209	<5	0.2	5.52	<0.2	9.8	53.9	0.025	0.5	139	
E6612732 (9240585)	<1	0.20	<5	<20	23.3	<5	<0.1	33.8	<0.2	1.2	1.0	<0.005	0.1	<5	
E6612733 (9240586)	<1	8.63	<5	<20	97.8	<5	0.3	4.71	<0.2	9.2	52.2	0.023	0.5	115	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6612734 (9240587)	<1	8.37	<5	<20	142	<5	0.1	6.27	<0.2	9.6	52.8	0.025	0.7	149	
E6612735 (9240588)	<1	8.91	<5	<20	161	<5	<0.1	5.24	<0.2	10.3	40.7	0.025	0.9	80	
E6612736 (9240589)	<1	8.63	<5	<20	157	<5	0.1	6.51	<0.2	10.4	48.4	0.026	0.4	59	
E6612737 (9240590)	<1	7.80	6	21	136	<5	0.1	5.62	<0.2	10.8	43.3	0.024	0.6	119	
E6612738 (9240591)	<1	7.66	6	<20	127	<5	0.1	5.51	<0.2	11.0	43.6	0.022	0.6	108	
E6612739 (9240592)	<1	8.53	<5	<20	167	<5	<0.1	6.36	<0.2	9.9	52.4	0.025	0.5	79	
E6612740 (9240593)	<1	8.41	6	<20	161	<5	0.1	6.94	<0.2	9.7	57.8	0.024	0.4	82	
E6612741 (9240594)	<1	8.33	5	<20	174	<5	<0.1	6.47	<0.2	10.1	44.4	0.025	0.2	64	
E6612742 (9240595)	<1	8.09	6	<20	111	<5	0.1	4.62	<0.2	10.3	33.8	0.025	0.7	101	
E6612743 (9240596)	<1	8.37	6	24	142	<5	0.1	7.00	<0.2	10.2	62.5	0.026	0.4	129	
E6612744 (9240597)	<1	8.43	<5	<20	153	<5	0.1	6.58	<0.2	10.1	59.5	0.024	0.5	114	
E6612745 (9240598)	<1	8.33	<5	<20	161	<5	<0.1	7.19	<0.2	9.1	57.6	0.024	0.3	138	
E6612746 (9240599)	<1	4.54	604	105	173	<5	7.9	4.29	<0.2	70.4	992	0.006	2.6	3000	
E6612747 (9240600)	<1	8.43	<5	<20	139	<5	0.2	5.93	<0.2	9.4	51.2	0.024	0.3	84	
E6612748 (9240601)	<1	8.17	<5	39	123	<5	0.1	6.43	<0.2	10.2	57.0	0.023	0.3	163	
E6612749 (9240602)	<1	8.09	<5	<20	125	<5	<0.1	7.44	<0.2	8.7	58.4	0.025	0.3	85	
E6612750 (9240603)	<1	8.08	<5	<20	116	<5	0.1	6.66	<0.2	9.5	57.3	0.027	0.4	152	
E6612751 (9240604)	<1	8.06	<5	<20	151	<5	0.1	7.97	<0.2	9.8	65.0	0.024	0.2	91	
E6612752 (9240605)	<1	0.12	<5	<20	19.9	<5	<0.1	34.8	<0.2	0.8	1.1	<0.005	<0.1	<5	
E6612753 (9240606)	<1	8.12	7	24	90.0	<5	0.2	8.32	<0.2	10.0	79.5	0.025	0.4	180	
E6612754 (9240607)	<1	8.26	<5	29	185	<5	0.1	6.88	<0.2	10.3	58.9	0.026	0.3	111	
E6612755 (9240608)	<1	9.19	<5	21	198	<5	<0.1	7.48	<0.2	9.5	57.4	0.027	0.4	82	
E6612756 (9240609)	<1	8.52	<5	21	173	<5	<0.1	7.21	<0.2	10.2	48.2	0.027	0.5	84	
E6612757 (9240610)	<1	8.68	6	<20	145	<5	<0.1	6.31	<0.2	9.7	56.1	0.029	0.6	103	
E6612758 (9240611)	<1	8.73	6	<20	148	<5	<0.1	6.41	<0.2	10.0	56.5	0.031	0.6	102	
E6612759 (9240612)	<1	8.59	7	<20	187	<5	<0.1	6.65	<0.2	9.3	57.7	0.027	0.5	101	
E6612760 (9240613)	<1	8.63	6	22	492	<5	0.2	7.31	0.3	9.7	58.7	0.026	0.9	140	
E6612761 (9240614)	3	8.65	<5	<20	210	<5	0.2	6.80	<0.2	9.0	74.5	0.026	1.1	227	
E6612762 (9240615)	<1	8.24	<5	<20	184	<5	<0.1	7.34	<0.2	11.1	50.4	0.029	0.7	117	
E6612763 (9240616)	<1	8.79	6	<20	213	<5	0.1	6.72	<0.2	10.3	58.8	0.027	0.7	109	
E6612764 (9240617)	<1	8.44	<5	<20	134	<5	<0.1	6.88	<0.2	10.7	53.6	0.029	1.0	86	
E6612765 (9240618)	<1	8.88	<5	<20	168	<5	<0.1	6.63	<0.2	10.5	45.3	0.029	1.8	83	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6612766 (9240619)		48	6.05	60800	<20	26.4	<5	498	8.28	0.2	16.2	19400	0.024	0.7	67
E6612767 (9240620)		1	8.11	28	<20	176	<5	0.8	7.22	<0.2	9.4	51.6	0.027	1.2	103
E6612768 (9240621)		<1	8.57	10	<20	189	<5	0.7	6.19	0.4	9.8	46.8	0.027	0.7	96
E6612769 (9240622)		<1	8.57	<5	<20	148	<5	0.1	6.66	<0.2	11.3	43.6	0.027	1.2	131
E6612770 (9240623)		<1	8.31	<5	<20	178	<5	0.1	9.03	<0.2	10.2	52.2	0.027	0.4	130
E6612771 (9240624)		<1	8.45	7	20	169	<5	0.1	6.60	<0.2	10.2	55.0	0.024	0.3	93
E6612772 (9240625)		<1	0.07	<5	<20	14.6	<5	<0.1	32.9	<0.2	0.8	1.3	<0.005	<0.1	6
E6612773 (9240626)		<1	8.55	11	<20	138	<5	<0.1	5.17	<0.2	9.7	42.6	0.022	0.3	31
E6612774 (9240627)		<1	7.55	28	<20	109	<5	0.7	7.13	2.0	9.3	87.3	0.018	0.2	1260
E6612775 (9240628)		<1	8.42	12	<20	186	<5	0.3	6.49	0.2	9.6	55.1	0.023	0.5	198
E6612776 (9240629)		<1	8.36	<5	<20	150	<5	0.1	7.82	<0.2	9.8	52.2	0.028	0.4	122
E6612777 (9240630)		<1	8.11	<5	<20	145	<5	<0.1	8.51	<0.2	9.4	54.8	0.028	0.5	94
E6612778 (9240631)		<1	7.22	<5	<20	139	<5	0.1	7.49	<0.2	9.5	59.4	0.026	0.6	117
E6612779 (9240632)		<1	8.26	<5	<20	174	<5	<0.1	8.61	<0.2	9.7	49.0	0.026	0.5	66
E6612780 (9240633)		<1	7.41	<5	25	142	<5	0.2	8.83	<0.2	9.3	62.8	0.025	0.7	229
E6612781 (9240634)		<1	8.80	26	34	173	<5	0.3	7.54	0.4	9.3	63.9	0.024	2.2	267
E6612782 (9240635)		19	7.91	10000	24	210	<5	82.1	7.35	2.0	12.6	1060	0.022	0.7	458

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6612702 (9240555)		4.17	2.56	1.01	9.54	16.7	3.46	2	2	0.91	<0.2	0.58	3.9	<10	0.43
E6612703 (9240556)		3.74	2.36	0.79	8.24	16.5	3.12	1	2	0.77	<0.2	0.60	3.1	11	0.39
E6612704 (9240557)		4.32	2.62	0.90	9.36	17.2	3.40	2	2	0.94	<0.2	0.60	3.9	11	0.45
E6612705 (9240558)		4.06	2.48	0.98	9.06	17.0	3.32	1	2	0.90	<0.2	0.67	3.6	12	0.41
E6612706 (9240559)		3.41	1.87	0.93	3.38	11.2	4.26	2	4	0.67	0.2	3.53	35.2	<10	0.31
E6612707 (9240560)		4.28	2.51	1.16	10.6	18.3	3.65	2	2	0.91	<0.2	0.70	4.1	14	0.43
E6612708 (9240561)		4.27	2.54	0.74	8.16	18.0	3.50	2	2	0.93	<0.2	0.57	4.3	15	0.39
E6612709 (9240562)		4.04	2.43	0.89	8.98	16.2	3.22	2	2	0.84	<0.2	0.78	3.6	17	0.37
E6612710 (9240563)		3.90	2.27	0.88	7.35	17.8	3.19	2	2	0.78	<0.2	0.54	3.6	17	0.34
E6612711 (9240564)		3.81	2.40	0.72	10.6	17.9	3.02	2	2	0.82	<0.2	0.74	3.1	17	0.40
E6612712 (9240565)		0.26	0.15	<0.05	0.11	0.24	0.24	1	<1	0.05	<0.2	<0.05	1.0	<10	<0.05
E6612713 (9240566)		4.14	2.32	0.90	7.95	17.7	3.10	2	2	0.86	<0.2	0.77	3.7	14	0.38
E6612714 (9240567)		4.19	2.46	0.74	9.07	17.2	3.24	1	2	0.90	<0.2	0.64	3.3	19	0.41
E6612715 (9240568)		4.00	2.28	1.02	9.38	18.2	3.23	2	2	0.81	<0.2	0.60	4.0	15	0.37
E6612716 (9240569)		3.26	1.94	0.69	5.92	16.2	2.61	1	2	0.69	<0.2	0.69	3.3	15	0.31
E6612717 (9240570)		4.23	2.46	0.91	9.90	17.5	3.29	2	2	0.87	<0.2	0.81	3.8	15	0.44
E6612718 (9240571)		3.97	2.47	0.81	9.99	17.3	3.16	2	2	0.87	<0.2	0.79	3.7	14	0.41
E6612719 (9240572)		4.13	2.44	0.96	7.37	18.1	3.32	1	2	0.89	<0.2	0.60	4.6	14	0.38
E6612720 (9240573)		4.06	2.49	1.02	7.75	17.8	3.28	1	2	0.86	<0.2	0.82	4.8	14	0.39
E6612721 (9240574)		3.08	1.42	1.62	5.87	16.9	5.11	1	3	0.57	<0.2	0.58	28.8	17	0.21
E6612722 (9240575)		4.11	2.48	1.25	8.73	17.9	3.26	1	2	0.85	<0.2	0.79	3.9	17	0.41
E6612723 (9240576)		3.95	2.48	0.96	9.31	18.1	3.23	2	2	0.84	<0.2	0.92	4.1	11	0.40
E6612724 (9240577)		4.14	2.54	0.95	7.73	17.4	3.33	2	2	0.86	<0.2	0.61	4.0	17	0.38
E6612725 (9240578)		3.50	2.05	0.72	5.29	16.1	2.84	1	2	0.67	<0.2	0.27	3.4	<10	0.31
E6612726 (9240579)		3.28	1.86	1.00	3.33	11.4	4.32	2	4	0.67	0.2	3.35	35.0	<10	0.32
E6612727 (9240580)		3.96	2.33	0.85	9.58	26.0	2.85	2	1	0.82	<0.2	0.42	3.6	<10	0.39
E6612728 (9240581)		3.49	2.04	0.74	5.46	17.6	2.87	1	2	0.68	<0.2	0.65	3.4	20	0.30
E6612729 (9240582)		4.24	2.51	0.89	6.62	18.5	3.51	1	2	0.90	<0.2	0.63	4.0	19	0.39
E6612730 (9240583)		3.68	2.10	0.82	6.08	17.9	3.03	1	2	0.72	<0.2	0.63	3.4	18	0.32
E6612731 (9240584)		3.83	2.42	1.07	7.82	17.5	3.07	1	2	0.81	<0.2	0.65	4.0	15	0.38
E6612732 (9240585)		0.33	0.24	<0.05	0.11	0.50	0.30	1	<1	0.08	<0.2	0.07	1.2	<10	<0.05
E6612733 (9240586)		4.01	2.45	0.88	7.25	18.1	3.24	1	2	0.84	<0.2	0.40	3.5	14	0.38

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6612734 (9240587)	3.81	2.31	0.86	8.09	17.9	3.01	1	2	0.78	<0.2	0.54	3.7	18	0.40
E6612735 (9240588)	4.01	2.39	0.90	5.95	18.5	3.34	1	2	0.83	<0.2	0.57	4.1	20	0.36
E6612736 (9240589)	4.28	2.56	0.90	8.00	18.7	3.51	2	2	0.92	<0.2	0.57	4.1	14	0.41
E6612737 (9240590)	4.54	2.71	1.02	7.89	18.0	3.81	2	2	0.95	<0.2	0.56	4.1	16	0.45
E6612738 (9240591)	4.49	2.76	1.00	7.74	17.6	3.74	2	2	0.96	<0.2	0.56	4.2	14	0.46
E6612739 (9240592)	4.04	2.33	0.88	8.29	17.9	3.31	1	2	0.83	<0.2	0.59	3.8	16	0.40
E6612740 (9240593)	3.96	2.42	0.90	8.30	18.0	3.19	2	2	0.83	<0.2	0.58	3.7	14	0.39
E6612741 (9240594)	4.07	2.34	0.91	7.51	16.4	3.15	1	2	0.80	<0.2	0.58	3.9	<10	0.37
E6612742 (9240595)	3.80	2.17	0.84	5.80	18.8	3.00	1	2	0.77	<0.2	0.46	4.0	10	0.35
E6612743 (9240596)	4.19	2.51	1.16	8.04	18.3	3.34	1	2	0.89	<0.2	0.50	4.0	<10	0.43
E6612744 (9240597)	4.13	2.42	0.90	7.96	17.5	3.34	1	2	0.83	<0.2	0.53	3.9	11	0.41
E6612745 (9240598)	3.67	2.24	0.84	8.87	16.7	3.03	2	2	0.81	<0.2	0.51	3.5	11	0.35
E6612746 (9240599)	3.34	1.83	0.91	3.23	11.8	4.20	2	4	0.66	0.2	3.27	35.2	<10	0.29
E6612747 (9240600)	3.96	2.33	0.86	7.40	16.5	3.15	1	2	0.81	<0.2	0.53	3.7	16	0.38
E6612748 (9240601)	4.01	2.46	1.03	7.83	17.5	3.23	1	2	0.84	<0.2	0.46	4.2	14	0.37
E6612749 (9240602)	3.60	2.21	0.83	8.58	16.6	2.98	1	2	0.79	<0.2	0.41	3.2	<10	0.37
E6612750 (9240603)	4.06	2.51	0.90	7.33	17.5	3.24	2	2	0.88	<0.2	0.45	3.6	<10	0.39
E6612751 (9240604)	4.26	2.65	0.91	8.49	18.0	3.35	2	2	0.91	<0.2	0.43	3.8	<10	0.44
E6612752 (9240605)	0.24	0.17	<0.05	0.09	0.31	0.23	<1	<1	0.05	<0.2	<0.05	1.0	<10	<0.05
E6612753 (9240606)	4.15	2.70	0.89	9.68	17.9	3.18	2	2	0.90	<0.2	0.34	4.0	12	0.47
E6612754 (9240607)	4.28	2.72	1.00	8.91	16.6	3.55	1	2	0.94	<0.2	0.57	4.0	11	0.44
E6612755 (9240608)	4.28	2.62	0.81	9.18	18.3	3.27	1	2	0.93	<0.2	0.53	3.8	12	0.43
E6612756 (9240609)	4.20	2.43	0.89	8.07	18.2	3.31	2	2	0.87	<0.2	0.52	4.1	11	0.39
E6612757 (9240610)	3.98	2.45	0.82	7.68	17.8	3.35	1	2	0.82	<0.2	0.47	3.9	11	0.37
E6612758 (9240611)	3.98	2.28	0.87	7.78	17.7	3.16	1	2	0.83	<0.2	0.47	4.0	11	0.39
E6612759 (9240612)	3.97	2.49	0.89	7.92	17.3	3.22	1	2	0.84	<0.2	0.51	3.6	11	0.39
E6612760 (9240613)	4.05	2.56	0.90	7.60	17.9	3.29	1	2	0.87	<0.2	1.01	3.6	16	0.40
E6612761 (9240614)	4.07	2.48	0.88	10.1	17.8	3.19	2	2	0.84	<0.2	0.58	3.4	18	0.43
E6612762 (9240615)	3.83	2.45	0.91	8.94	17.1	3.29	2	2	0.81	<0.2	0.60	4.6	11	0.41
E6612763 (9240616)	4.12	2.40	0.90	7.68	17.7	3.30	2	2	0.87	<0.2	0.64	3.9	14	0.42
E6612764 (9240617)	3.99	2.42	1.05	7.51	17.8	3.43	2	2	0.87	<0.2	0.49	4.2	12	0.37
E6612765 (9240618)	4.27	2.50	0.87	7.30	18.2	3.38	1	2	0.90	<0.2	0.61	4.1	16	0.38

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6612766 (9240619)		7.51	3.73	0.63	8.25	12.0	6.37	2	<1	1.38	0.3	0.10	6.4	34	0.53
E6612767 (9240620)		4.18	2.50	0.89	8.98	18.0	3.42	1	2	0.90	<0.2	0.59	3.6	15	0.45
E6612768 (9240621)		4.18	2.46	0.93	7.51	18.8	3.35	2	2	0.87	<0.2	0.66	3.8	17	0.38
E6612769 (9240622)		4.52	2.84	1.01	8.44	17.8	3.60	1	2	0.98	<0.2	0.51	4.4	16	0.44
E6612770 (9240623)		4.37	2.57	0.97	9.09	17.7	3.48	2	2	0.92	<0.2	0.57	3.9	10	0.45
E6612771 (9240624)		3.96	2.61	0.93	8.16	17.1	3.48	1	2	0.90	<0.2	0.54	4.0	13	0.40
E6612772 (9240625)		0.20	0.16	<0.05	0.12	0.18	0.23	1	<1	0.05	<0.2	<0.05	1.1	<10	<0.05
E6612773 (9240626)		3.83	2.40	0.89	7.09	16.9	3.14	1	2	0.84	<0.2	0.48	3.7	18	0.36
E6612774 (9240627)		3.79	2.36	0.86	11.4	19.4	3.02	2	1	0.83	<0.2	0.36	3.8	11	0.40
E6612775 (9240628)		3.98	2.34	0.92	8.46	18.3	3.23	2	2	0.82	<0.2	0.65	4.0	13	0.38
E6612776 (9240629)		4.03	2.49	0.85	7.63	17.7	3.24	1	2	0.84	<0.2	0.51	3.9	<10	0.38
E6612777 (9240630)		3.96	2.48	0.90	8.43	17.3	3.04	2	2	0.82	<0.2	0.58	3.6	<10	0.41
E6612778 (9240631)		4.15	2.60	0.88	7.81	18.0	3.31	2	2	0.90	<0.2	0.50	3.7	<10	0.44
E6612779 (9240632)		4.09	2.51	0.92	7.87	17.6	3.40	2	2	0.86	<0.2	0.56	3.7	<10	0.44
E6612780 (9240633)		4.20	2.64	0.82	9.77	16.9	3.39	2	2	0.94	<0.2	0.51	3.6	<10	0.47
E6612781 (9240634)		4.08	2.58	0.81	11.5	18.9	3.24	2	2	0.88	<0.2	0.84	3.6	23	0.44
E6612782 (9240635)		4.47	2.71	0.79	8.36	16.9	3.76	2	2	0.92	<0.2	1.13	4.8	19	0.42

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6612702 (9240555)		2.40	2240	2	2	7.9	88	0.04	<5	1.46	18.5	0.30	0.5	48	23.0
E6612703 (9240556)		2.20	2080	3	2	7.0	95	0.04	9	1.23	21.0	0.31	0.3	46	23.8
E6612704 (9240557)		2.17	2290	4	2	8.4	97	0.04	6	1.52	20.4	0.37	0.2	46	23.2
E6612705 (9240558)		2.17	2250	5	2	7.7	93	0.04	6	1.38	20.9	0.29	0.8	51	22.7
E6612706 (9240559)		2.70	463	13	8	31.1	169	0.08	13	8.01	109	1.69	1.6	7	27.0
E6612707 (9240560)		2.68	2200	<2	2	8.4	120	0.04	27	1.56	20.7	1.53	0.8	50	21.9
E6612708 (9240561)		2.14	1840	8	2	8.3	127	0.04	428	1.53	20.2	0.26	0.9	45	23.4
E6612709 (9240562)		2.25	1970	2	2	7.6	93	0.04	9	1.35	26.1	0.17	0.5	46	23.6
E6612710 (9240563)		2.06	1640	3	2	7.8	72	0.04	14	1.46	21.0	0.46	0.3	43	23.6
E6612711 (9240564)		2.69	2100	2	2	6.6	104	0.04	11	1.16	27.8	0.80	0.5	47	22.4
E6612712 (9240565)		2.14	54	<2	<1	0.8	<5	<0.01	6	0.17	0.6	<0.01	<0.1	<5	5.36
E6612713 (9240566)		2.02	1770	4	2	7.8	88	0.04	9	1.41	26.6	0.35	0.3	45	23.7
E6612714 (9240567)		2.25	1910	<2	2	7.4	81	0.04	14	1.29	30.8	0.84	0.3	46	23.1
E6612715 (9240568)		2.10	1910	4	2	7.6	82	0.04	16	1.43	28.0	1.21	0.3	39	23.4
E6612716 (9240569)		1.60	1470	3	2	6.7	57	0.04	8	1.27	32.5	0.26	0.2	33	26.1
E6612717 (9240570)		2.36	2040	3	2	7.5	87	0.03	14	1.39	25.3	0.83	0.5	46	22.5
E6612718 (9240571)		2.41	2080	3	2	7.5	90	0.04	14	1.39	24.4	0.86	0.5	46	22.5
E6612719 (9240572)		1.96	1930	3	2	8.6	88	0.04	13	1.58	25.8	0.36	0.3	44	23.0
E6612720 (9240573)		1.91	1740	2	2	8.6	67	0.04	12	1.63	26.9	0.50	0.3	47	24.3
E6612721 (9240574)		4.71	1360	2	4	34.4	150	0.18	17	7.79	16.9	0.02	<0.1	20	25.4
E6612722 (9240575)		2.30	2160	2	2	8.1	82	0.05	10	1.49	30.9	0.72	0.4	45	23.0
E6612723 (9240576)		2.57	2100	5	2	8.2	88	0.04	37	1.51	29.2	0.36	0.6	42	22.0
E6612724 (9240577)		1.98	1900	6	2	8.3	66	0.04	8	1.55	27.5	0.47	0.3	43	23.7
E6612725 (9240578)		1.33	1100	3	2	7.1	73	0.04	28	1.33	6.8	0.89	0.5	32	25.8
E6612726 (9240579)		2.67	449	13	8	31.8	162	0.08	12	7.91	110	1.63	1.6	7	26.4
E6612727 (9240580)		2.09	2150	4	2	6.8	81	0.03	133	1.22	11.7	1.19	2.2	42	21.3
E6612728 (9240581)		1.57	1580	<2	2	7.1	46	0.04	8	1.36	28.8	0.24	0.2	31	25.3
E6612729 (9240582)		1.81	1780	<2	3	8.5	58	0.05	11	1.62	24.9	0.22	0.2	42	25.5
E6612730 (9240583)		1.69	1580	5	2	7.1	64	0.04	6	1.25	27.7	0.15	0.1	37	25.5
E6612731 (9240584)		2.09	1920	2	2	7.9	77	0.04	21	1.46	24.7	0.46	0.5	40	23.9
E6612732 (9240585)		2.23	52	<2	<1	1.1	<5	<0.01	<5	0.24	1.7	<0.01	<0.1	<5	4.42
E6612733 (9240586)		2.12	1840	3	2	7.6	73	0.04	13	1.42	14.2	0.40	0.4	42	24.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6612734 (9240587)	1.99	1970	2	2	7.7	74	0.04	<5	1.43	22.4	0.25	0.2	40	24.0
E6612735 (9240588)	1.88	1590	5	2	7.9	67	0.04	20	1.53	25.6	0.07	0.2	41	25.0
E6612736 (9240589)	2.14	1940	2	2	8.3	80	0.04	<5	1.53	22.5	0.16	0.2	49	24.5
E6612737 (9240590)	2.00	1900	5	3	9.0	59	0.05	<5	1.67	23.9	0.18	0.2	43	26.5
E6612738 (9240591)	1.87	1760	6	3	9.3	54	0.05	<5	1.65	24.3	0.16	0.2	40	26.0
E6612739 (9240592)	2.04	2090	2	2	8.1	76	0.04	6	1.52	23.4	0.10	0.2	47	23.2
E6612740 (9240593)	2.18	2010	3	2	7.6	94	0.04	<5	1.42	22.8	0.17	0.3	43	23.3
E6612741 (9240594)	1.94	1900	2	2	7.8	82	0.04	<5	1.48	21.1	0.14	0.3	40	23.7
E6612742 (9240595)	1.61	1560	5	2	8.1	52	0.04	<5	1.52	24.0	0.15	0.1	35	25.0
E6612743 (9240596)	2.02	2080	3	2	8.0	90	0.04	<5	1.47	18.5	0.14	0.2	45	23.1
E6612744 (9240597)	2.04	2040	4	2	8.2	93	0.04	<5	1.53	20.6	0.18	0.2	44	24.5
E6612745 (9240598)	2.25	2290	<2	2	7.2	91	0.03	<5	1.37	17.1	0.21	0.3	43	23.4
E6612746 (9240599)	2.50	460	13	8	32.8	161	0.07	13	7.93	112	1.57	1.7	7	28.3
E6612747 (9240600)	1.85	2030	4	2	7.9	79	0.04	<5	1.47	19.7	0.10	0.1	44	25.7
E6612748 (9240601)	2.16	2300	<2	2	8.2	74	0.04	5	1.49	16.7	0.19	0.3	41	24.8
E6612749 (9240602)	2.11	2350	4	2	7.3	96	0.04	<5	1.30	15.0	0.13	0.2	44	23.3
E6612750 (9240603)	1.99	2020	3	2	7.9	81	0.04	7	1.40	17.1	0.22	0.2	43	25.4
E6612751 (9240604)	2.19	2290	4	2	8.0	96	0.04	<5	1.40	15.4	0.23	0.3	47	21.3
E6612752 (9240605)	1.45	49	<2	<1	0.9	<5	<0.01	<5	0.17	1.3	<0.01	0.1	<5	3.56
E6612753 (9240606)	2.16	2370	3	2	8.0	113	0.03	6	1.51	12.9	0.48	1.0	47	22.0
E6612754 (9240607)	1.88	2270	5	2	8.4	93	0.04	<5	1.55	20.4	0.16	0.4	46	23.4
E6612755 (9240608)	2.04	2440	5	2	8.0	85	0.04	<5	1.48	18.9	0.10	0.3	45	24.8
E6612756 (9240609)	1.89	2330	6	2	8.0	79	0.04	<5	1.53	20.8	0.10	0.2	44	24.6
E6612757 (9240610)	1.79	2230	5	2	8.0	86	0.04	<5	1.41	19.3	0.10	0.1	43	25.6
E6612758 (9240611)	1.81	2220	7	2	8.0	92	0.04	<5	1.52	19.5	0.10	0.1	44	25.6
E6612759 (9240612)	1.91	2190	5	2	7.7	80	0.04	6	1.40	19.4	0.13	0.3	44	25.4
E6612760 (9240613)	2.30	2420	5	2	8.3	82	0.04	76	1.44	46.3	0.32	0.3	43	24.4
E6612761 (9240614)	2.49	2800	5	2	7.4	98	0.04	20	1.44	26.0	0.61	0.5	44	23.9
E6612762 (9240615)	1.91	2370	6	2	8.6	77	0.04	<5	1.62	26.4	0.16	0.2	31	24.9
E6612763 (9240616)	1.87	2240	6	2	8.0	89	0.04	<5	1.52	26.9	0.18	0.2	42	25.1
E6612764 (9240617)	2.08	2320	6	2	8.7	82	0.04	<5	1.59	22.7	0.10	0.2	41	25.3
E6612765 (9240618)	2.15	2070	6	2	8.2	78	0.04	<5	1.64	32.6	0.10	0.1	43	26.2

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018					DATE REPORTED: Jun 12, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6612766 (9240619)	5.09	2000	100	<1	13.1	2710	0.03	<5	2.51	3.0	1.25	84.9	35	16.1	
E6612767 (9240620)	2.21	2680	5	2	8.1	78	0.04	5	1.40	29.5	0.19	0.2	47	23.7	
E6612768 (9240621)	2.21	2000	4	2	8.1	82	0.04	29	1.42	30.2	0.20	0.2	45	25.5	
E6612769 (9240622)	2.16	2230	4	2	9.1	73	0.04	<5	1.67	25.1	0.22	0.1	50	25.2	
E6612770 (9240623)	2.28	2630	5	2	8.1	81	0.03	5	1.52	23.5	0.27	0.4	46	23.5	
E6612771 (9240624)	2.03	2130	3	2	8.3	84	0.04	19	1.49	21.4	0.33	0.7	44	24.8	
E6612772 (9240625)	2.33	74	<2	<1	0.8	<5	<0.01	<5	0.19	0.3	<0.01	<0.1	<5	3.90	
E6612773 (9240626)	2.06	1770	2	2	7.8	74	0.04	31	1.44	19.5	0.12	0.6	43	25.0	
E6612774 (9240627)	2.64	2750	10	2	7.5	92	0.03	427	1.38	11.8	1.51	2.2	41	22.1	
E6612775 (9240628)	2.27	2030	7	2	7.9	75	0.04	148	1.43	30.7	0.62	1.2	42	24.4	
E6612776 (9240629)	2.19	2110	6	2	8.0	78	0.04	12	1.49	23.1	0.17	0.4	44	24.2	
E6612777 (9240630)	2.26	2230	6	2	7.4	101	0.03	5	1.44	29.8	0.14	0.3	44	22.9	
E6612778 (9240631)	2.21	2230	4	2	7.9	92	0.04	6	1.49	30.2	0.24	0.4	47	20.6	
E6612779 (9240632)	2.27	2250	5	2	8.0	85	0.04	9	1.44	26.1	0.10	0.2	46	23.6	
E6612780 (9240633)	2.66	2590	5	2	7.8	83	0.03	8	1.39	25.4	0.50	0.6	47	22.4	
E6612781 (9240634)	3.06	2750	3	2	7.6	84	0.03	24	1.42	44.3	0.57	1.3	52	22.9	
E6612782 (9240635)	2.02	1840	2	2	10.2	83	0.04	3240	1.85	52.8	0.80	3.9	44	23.1	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6612702 (9240555)	2.6	<1	143	<0.5	0.58	0.5	0.64	<0.5	0.39	0.10	323	1	22.1	2.5
E6612703 (9240556)	2.3	<1	106	<0.5	0.56	0.5	0.64	<0.5	0.36	0.09	313	1	21.7	2.4
E6612704 (9240557)	2.7	<1	127	<0.5	0.64	0.5	0.65	<0.5	0.41	0.11	307	1	23.4	2.6
E6612705 (9240558)	2.5	<1	161	<0.5	0.61	0.4	0.66	<0.5	0.40	0.10	326	1	22.6	2.4
E6612706 (9240559)	5.7	<1	24.9	0.5	0.63	10.4	0.23	0.9	0.30	6.98	56	4	18.3	1.9
E6612707 (9240560)	2.7	<1	162	<0.5	0.66	0.5	0.64	<0.5	0.42	0.10	328	1	23.9	2.6
E6612708 (9240561)	2.8	<1	140	<0.5	0.65	0.5	0.67	<0.5	0.39	0.13	299	1	24.3	2.4
E6612709 (9240562)	2.4	<1	156	<0.5	0.59	0.4	0.64	<0.5	0.39	0.10	308	3	21.1	2.3
E6612710 (9240563)	2.5	<1	108	<0.5	0.56	0.4	0.62	<0.5	0.34	0.09	306	3	20.2	2.2
E6612711 (9240564)	2.3	<1	140	<0.5	0.54	0.4	0.63	<0.5	0.35	0.10	307	2	23.0	2.3
E6612712 (9240565)	0.2	<1	56.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.21	<5	<1	2.3	0.1
E6612713 (9240566)	2.4	<1	146	<0.5	0.56	0.4	0.66	<0.5	0.35	0.10	301	<1	21.6	2.3
E6612714 (9240567)	2.4	<1	99.7	<0.5	0.58	0.4	0.64	<0.5	0.40	0.10	302	1	22.6	2.4
E6612715 (9240568)	2.5	<1	117	<0.5	0.59	0.4	0.61	<0.5	0.35	0.10	277	1	21.9	2.2
E6612716 (9240569)	2.0	<1	133	<0.5	0.49	0.4	0.63	<0.5	0.34	0.09	238	<1	17.8	1.9
E6612717 (9240570)	2.4	<1	138	<0.5	0.58	0.4	0.64	<0.5	0.41	0.11	299	1	23.6	2.6
E6612718 (9240571)	2.4	<1	139	<0.5	0.58	0.4	0.64	<0.5	0.40	0.11	305	1	23.1	2.6
E6612719 (9240572)	2.7	<1	153	<0.5	0.62	0.4	0.64	<0.5	0.38	0.11	299	<1	22.6	2.2
E6612720 (9240573)	2.8	<1	135	<0.5	0.61	0.4	0.67	<0.5	0.39	0.10	316	<1	21.9	2.4
E6612721 (9240574)	6.7	<1	538	<0.5	0.66	4.0	0.41	<0.5	0.21	1.07	140	<1	14.5	1.3
E6612722 (9240575)	2.7	<1	158	<0.5	0.62	0.6	0.68	<0.5	0.40	0.09	314	1	22.5	2.4
E6612723 (9240576)	2.6	<1	202	<0.5	0.59	0.5	0.59	<0.5	0.39	0.10	280	<1	22.0	2.5
E6612724 (9240577)	2.6	<1	120	<0.5	0.60	0.5	0.65	<0.5	0.40	0.09	292	1	21.7	2.4
E6612725 (9240578)	2.2	<1	60.3	<0.5	0.50	0.4	0.66	<0.5	0.29	0.10	236	2	18.3	2.0
E6612726 (9240579)	5.7	2	25.2	<0.5	0.62	10.8	0.23	0.9	0.30	6.98	55	4	18.0	1.9
E6612727 (9240580)	2.3	<1	145	<0.5	0.55	0.5	0.53	<0.5	0.39	0.09	295	<1	22.4	2.2
E6612728 (9240581)	2.2	<1	112	<0.5	0.49	0.4	0.66	<0.5	0.30	0.09	239	1	18.1	1.9
E6612729 (9240582)	2.8	<1	108	<0.5	0.64	0.5	0.74	<0.5	0.40	0.12	303	<1	22.9	2.5
E6612730 (9240583)	2.4	<1	120	<0.5	0.55	0.4	0.67	<0.5	0.34	0.09	275	<1	19.6	2.0
E6612731 (9240584)	2.5	<1	137	<0.5	0.59	0.4	0.64	<0.5	0.35	0.10	290	<1	21.5	2.2
E6612732 (9240585)	0.3	<1	53.1	<0.5	<0.05	0.2	<0.01	<0.5	<0.05	0.22	<5	<1	3.2	0.2
E6612733 (9240586)	2.4	<1	82.7	<0.5	0.62	0.4	0.67	<0.5	0.38	0.10	284	1	22.6	2.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6612734 (9240587)	2.4	<1	124	<0.5	0.52	0.4	0.64	<0.5	0.36	0.10	281	<1	21.9	2.3
E6612735 (9240588)	2.6	1	133	<0.5	0.60	0.4	0.68	<0.5	0.36	0.10	284	<1	22.1	2.2
E6612736 (9240589)	2.7	<1	127	<0.5	0.63	0.5	0.71	<0.5	0.41	0.10	327	<1	24.4	2.5
E6612737 (9240590)	3.0	<1	106	<0.5	0.69	0.5	0.71	<0.5	0.41	0.11	303	<1	25.1	2.7
E6612738 (9240591)	3.0	<1	104	<0.5	0.66	0.5	0.69	<0.5	0.43	0.11	277	<1	25.4	2.8
E6612739 (9240592)	2.5	<1	135	<0.5	0.61	0.4	0.66	<0.5	0.38	0.10	308	<1	22.6	2.4
E6612740 (9240593)	2.6	<1	144	<0.5	0.58	0.4	0.65	<0.5	0.39	0.10	299	<1	21.7	2.3
E6612741 (9240594)	2.6	<1	135	<0.5	0.57	0.7	0.64	<0.5	0.37	0.09	286	<1	20.6	2.3
E6612742 (9240595)	2.5	<1	109	<0.5	0.55	0.5	0.62	<0.5	0.36	0.09	263	<1	20.2	2.1
E6612743 (9240596)	2.7	<1	134	<0.5	0.63	0.5	0.64	<0.5	0.39	0.10	302	<1	23.1	2.5
E6612744 (9240597)	2.6	<1	134	<0.5	0.59	0.5	0.66	<0.5	0.37	0.10	306	<1	21.2	2.4
E6612745 (9240598)	2.4	<1	139	<0.5	0.53	0.4	0.65	<0.5	0.35	0.09	298	1	21.1	2.3
E6612746 (9240599)	5.8	<1	24.6	0.5	0.60	10.9	0.23	0.9	0.31	7.07	55	4	19.0	1.8
E6612747 (9240600)	2.6	<1	121	<0.5	0.58	0.6	0.66	<0.5	0.37	0.10	294	<1	21.7	2.3
E6612748 (9240601)	2.5	<1	135	<0.5	0.57	0.5	0.64	<0.5	0.39	0.10	283	<1	22.4	2.3
E6612749 (9240602)	2.3	<1	129	<0.5	0.53	0.4	0.65	<0.5	0.36	0.10	310	<1	20.4	2.2
E6612750 (9240603)	2.5	<1	141	<0.5	0.59	0.4	0.65	<0.5	0.37	0.10	298	<1	22.9	2.5
E6612751 (9240604)	2.5	<1	149	<0.5	0.60	0.5	0.63	<0.5	0.40	0.10	321	<1	24.3	2.6
E6612752 (9240605)	0.2	<1	61.2	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.14	<5	<1	2.4	0.1
E6612753 (9240606)	2.6	<1	174	<0.5	0.63	0.4	0.61	<0.5	0.40	0.10	310	<1	25.0	2.6
E6612754 (9240607)	2.7	<1	138	<0.5	0.62	0.4	0.64	<0.5	0.40	0.10	308	<1	24.3	2.7
E6612755 (9240608)	2.6	<1	148	<0.5	0.62	0.4	0.70	<0.5	0.40	0.10	299	<1	24.0	2.5
E6612756 (9240609)	2.6	<1	137	<0.5	0.60	0.4	0.65	<0.5	0.39	0.10	299	<1	22.4	2.4
E6612757 (9240610)	2.6	<1	129	<0.5	0.60	0.4	0.67	<0.5	0.37	0.09	302	<1	22.3	2.2
E6612758 (9240611)	2.7	<1	130	<0.5	0.62	0.4	0.68	<0.5	0.36	0.10	304	1	22.8	2.3
E6612759 (9240612)	2.5	<1	137	<0.5	0.59	0.4	0.67	<0.5	0.40	0.09	305	<1	22.5	2.4
E6612760 (9240613)	2.5	<1	146	<0.5	0.60	0.4	0.67	<0.5	0.38	0.10	298	<1	22.4	2.5
E6612761 (9240614)	2.6	<1	120	<0.5	0.59	0.4	0.68	<0.5	0.38	0.10	308	<1	23.6	2.6
E6612762 (9240615)	2.6	<1	121	<0.5	0.60	0.5	0.62	<0.5	0.39	0.09	275	<1	21.4	2.4
E6612763 (9240616)	2.6	<1	142	<0.5	0.61	0.5	0.66	<0.5	0.40	0.09	295	2	22.2	2.4
E6612764 (9240617)	2.8	<1	123	<0.5	0.66	0.5	0.65	<0.5	0.36	0.09	291	2	22.3	2.2
E6612765 (9240618)	2.8	<1	137	<0.5	0.64	0.5	0.69	<0.5	0.38	0.10	304	1	23.5	2.5

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Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6612766 (9240619)		5.3	<1	68.9	<0.5	1.20	0.5	0.21	<0.5	0.58	10.4	164	<1	42.5	3.3
E6612767 (9240620)		2.6	<1	118	<0.5	0.61	0.5	0.63	<0.5	0.39	0.10	306	1	24.4	2.6
E6612768 (9240621)		2.6	<1	127	<0.5	0.61	0.4	0.67	<0.5	0.36	0.09	312	<1	22.8	2.2
E6612769 (9240622)		2.9	<1	121	<0.5	0.68	0.4	0.67	<0.5	0.43	0.10	317	1	25.3	2.7
E6612770 (9240623)		2.7	<1	158	<0.5	0.64	0.4	0.65	<0.5	0.43	0.11	313	<1	24.8	2.6
E6612771 (9240624)		2.6	<1	135	<0.5	0.60	0.4	0.66	<0.5	0.39	0.12	301	1	23.1	2.5
E6612772 (9240625)		0.2	<1	49.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.14	<5	<1	2.3	0.1
E6612773 (9240626)		2.5	<1	134	<0.5	0.58	0.4	0.66	<0.5	0.37	0.11	291	1	21.6	2.3
E6612774 (9240627)		2.5	<1	136	<0.5	0.57	0.3	0.52	<0.5	0.36	0.10	310	<1	21.8	2.4
E6612775 (9240628)		2.6	<1	159	<0.5	0.57	0.4	0.64	<0.5	0.36	0.12	297	2	23.0	2.4
E6612776 (9240629)		2.6	<1	154	<0.5	0.59	0.4	0.64	<0.5	0.39	0.10	301	<1	22.6	2.4
E6612777 (9240630)		2.4	<1	159	<0.5	0.57	0.4	0.63	<0.5	0.38	0.10	308	<1	22.4	2.4
E6612778 (9240631)		2.6	<1	132	<0.5	0.62	0.4	0.56	<0.5	0.40	0.11	313	<1	24.1	2.7
E6612779 (9240632)		2.6	<1	149	<0.5	0.59	0.4	0.64	<0.5	0.39	0.10	308	<1	23.4	2.6
E6612780 (9240633)		2.4	<1	149	<0.5	0.61	0.4	0.58	<0.5	0.42	0.11	312	<1	24.8	2.7
E6612781 (9240634)		2.6	<1	140	<0.5	0.61	0.4	0.67	0.5	0.41	0.10	340	1	23.0	2.6
E6612782 (9240635)		3.3	<1	125	<0.5	0.72	0.4	0.62	0.6	0.39	0.11	291	<1	26.7	2.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6612702 (9240555)		88	54.4
E6612703 (9240556)		84	56.6
E6612704 (9240557)		98	58.6
E6612705 (9240558)		84	56.7
E6612706 (9240559)		7	161
E6612707 (9240560)		74	55.6
E6612708 (9240561)		362	58.8
E6612709 (9240562)		92	51.8
E6612710 (9240563)		65	56.4
E6612711 (9240564)		80	57.6
E6612712 (9240565)		<5	2.6
E6612713 (9240566)		67	57.9
E6612714 (9240567)		111	57.0
E6612715 (9240568)		80	56.8
E6612716 (9240569)		56	55.1
E6612717 (9240570)		92	58.5
E6612718 (9240571)		93	57.6
E6612719 (9240572)		82	59.8
E6612720 (9240573)		90	56.4
E6612721 (9240574)		121	111
E6612722 (9240575)		90	58.1
E6612723 (9240576)		111	54.4
E6612724 (9240577)		79	57.4
E6612725 (9240578)		61	62.0
E6612726 (9240579)		5	162
E6612727 (9240580)		146	49.8
E6612728 (9240581)		57	59.6
E6612729 (9240582)		72	70.1
E6612730 (9240583)		64	59.6
E6612731 (9240584)		118	58.0
E6612732 (9240585)		<5	3.8
E6612733 (9240586)		64	60.6

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6612734 (9240587)		72	57.5
E6612735 (9240588)		64	64.0
E6612736 (9240589)		83	63.9
E6612737 (9240590)		67	67.2
E6612738 (9240591)		67	67.1
E6612739 (9240592)		69	60.0
E6612740 (9240593)		63	57.7
E6612741 (9240594)		63	54.2
E6612742 (9240595)		51	61.2
E6612743 (9240596)		73	60.0
E6612744 (9240597)		72	56.7
E6612745 (9240598)		70	54.5
E6612746 (9240599)		6	156
E6612747 (9240600)		73	57.5
E6612748 (9240601)		74	56.6
E6612749 (9240602)		84	55.9
E6612750 (9240603)		67	59.6
E6612751 (9240604)		78	59.6
E6612752 (9240605)		<5	2.8
E6612753 (9240606)		72	55.8
E6612754 (9240607)		74	60.3
E6612755 (9240608)		75	60.6
E6612756 (9240609)		65	58.9
E6612757 (9240610)		63	61.7
E6612758 (9240611)		66	59.8
E6612759 (9240612)		67	58.9
E6612760 (9240613)		135	60.8
E6612761 (9240614)		91	60.4
E6612762 (9240615)		70	53.1
E6612763 (9240616)		66	57.9
E6612764 (9240617)		68	59.0
E6612765 (9240618)		69	60.0

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

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 CANADA L4Z 1N9
 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018 DATE RECEIVED: May 10, 2018 DATE REPORTED: Jun 12, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6612766 (9240619)		57	26.3
E6612767 (9240620)		84	58.4
E6612768 (9240621)		165	61.1
E6612769 (9240622)		82	59.0
E6612770 (9240623)		95	60.5
E6612771 (9240624)		81	59.0
E6612772 (9240625)		<5	1.9
E6612773 (9240626)		98	58.8
E6612774 (9240627)		605	50.0
E6612775 (9240628)		148	57.6
E6612776 (9240629)		86	60.1
E6612777 (9240630)		89	60.0
E6612778 (9240631)		85	57.3
E6612779 (9240632)		94	59.3
E6612780 (9240633)		100	56.8
E6612781 (9240634)		218	57.9
E6612782 (9240635)		610	55.6

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 12, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6612703 (9240556)		83
E6612714 (9240567)		83
E6612722 (9240575)		83
E6612733 (9240586)		83
E6612737 (9240590)		85
E6612742 (9240595)		84
E6612755 (9240608)		89
E6612762 (9240615)		87
E6612774 (9240627)		92
E6612782 (9240635)		90

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9240555	< 1	< 1	0.0%	9240566	< 1	< 1	0.0%	9240578	< 1	< 1	0.0%	9240580	1	1	0.0%
Al	9240555	8.50	8.12	4.6%	9240566	8.64	8.67	0.3%	9240578	8.74	8.82	0.9%	9240580	8.50	8.68	2.1%
As	9240555	< 5	< 5	0.0%	9240566	10	12	18.2%	9240578	< 5	< 5	0.0%	9240580	24	23	4.3%
B	9240555	24	21	13.3%	9240566	< 20	< 20	0.0%	9240578	< 20	< 20	0.0%	9240580	26	26	0.0%
Ba	9240555	125	125	0.0%	9240566	200	203	1.5%	9240578	36.3	37.0	1.9%	9240580	102	107	4.8%
Be	9240555	< 5	< 5	0.0%	9240566	< 5	< 5	0.0%	9240578	< 5	< 5	0.0%	9240580	< 5	< 5	0.0%
Bi	9240555	0.2	0.2	0.0%	9240566	0.2	0.2	0.0%	9240578	0.2	0.2	0.0%	9240580	1.27	1.23	3.2%
Ca	9240555	7.85	7.49	4.7%	9240566	6.24	6.22	0.3%	9240578	2.86	2.93	2.4%	9240580	8.35	8.58	2.7%
Cd	9240555	0.6	< 0.2		9240566	< 0.2	0.7		9240578	< 0.2	< 0.2	0.0%	9240580	0.4	0.4	0.0%
Ce	9240555	9.7	9.7	0.0%	9240566	9.40	9.89	5.1%	9240578	8.9	8.7	2.3%	9240580	8.7	8.6	1.2%
Co	9240555	54.0	60.7	11.7%	9240566	57.8	62.9	8.5%	9240578	56.8	53.6	5.8%	9240580	89.6	92.4	3.1%
Cr	9240555	0.027	0.027	0.0%	9240566	0.024	0.024	0.0%	9240578	0.023	0.023	0.0%	9240580	0.021	0.022	4.7%
Cs	9240555	0.3	0.3	0.0%	9240566	0.55	0.60	8.7%	9240578	0.2	0.2	0.0%	9240580	0.2	0.2	0.0%
Cu	9240555	176	173	1.7%	9240566	123	124	0.8%	9240578	168	172	2.4%	9240580	716	761	6.1%
Dy	9240555	4.17	4.35	4.2%	9240566	4.14	4.21	1.7%	9240578	3.50	3.09	12.4%	9240580	3.96	3.95	0.3%
Er	9240555	2.56	2.72	6.1%	9240566	2.32	2.52	8.3%	9240578	2.05	1.99	3.0%	9240580	2.33	2.52	7.8%
Eu	9240555	1.01	1.04	2.9%	9240566	0.90	0.94	4.3%	9240578	0.717	0.684	4.7%	9240580	0.85	0.87	2.3%
Fe	9240555	9.54	9.12	4.5%	9240566	7.95	7.94	0.1%	9240578	5.29	5.44	2.8%	9240580	9.58	9.84	2.7%
Ga	9240555	16.7	18.0	7.5%	9240566	17.7	18.7	5.5%	9240578	16.1	15.0	7.1%	9240580	26.0	26.6	2.3%
Gd	9240555	3.46	3.44	0.6%	9240566	3.10	3.24	4.4%	9240578	2.84	2.67	6.2%	9240580	2.85	3.07	7.4%
Ge	9240555	2	2	0.0%	9240566	2	1		9240578	1	1	0.0%	9240580	2	3	
Hf	9240555	2	2	0.0%	9240566	2	2	0.0%	9240578	2	2	0.0%	9240580	1	1	0.0%
Ho	9240555	0.914	0.953	4.2%	9240566	0.86	0.85	1.2%	9240578	0.671	0.635	5.5%	9240580	0.819	0.837	2.2%
In	9240555	< 0.2	< 0.2	0.0%	9240566	< 0.2	< 0.2	0.0%	9240578	< 0.2	< 0.2	0.0%	9240580	< 0.2	< 0.2	0.0%
K	9240555	0.58	0.56	3.5%	9240566	0.767	0.761	0.8%	9240578	0.27	0.27	0.0%	9240580	0.42	0.42	0.0%
La	9240555	3.85	3.83	0.5%	9240566	3.71	3.96	6.5%	9240578	3.4	3.4	0.0%	9240580	3.6	3.6	0.0%
Li	9240555	10	11	9.5%	9240566	14	15	6.9%	9240578	< 10	< 10	0.0%	9240580	< 10	< 10	0.0%
Lu	9240555	0.43	0.47	8.9%	9240566	0.384	0.395	2.8%	9240578	0.311	0.254	20.2%	9240580	0.39	0.43	9.8%
Mg	9240555	2.40	2.32	3.4%	9240566	2.02	2.02	0.0%	9240578	1.33	1.36	2.2%	9240580	2.09	2.24	6.9%
Mn	9240555	2240	2210	1.3%	9240566	1770	1780	0.6%	9240578	1100	1120	1.8%	9240580	2150	2230	3.7%
Mo	9240555	2	3		9240566	4	4	0.0%	9240578	3	3	0.0%	9240580	4	6	



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Nb	9240555	2	2	0.0%	9240566	2	2	0.0%	9240578	2	2	0.0%	9240580	2	2	0.0%
Nd	9240555	7.89	7.73	2.0%	9240566	7.8	7.8	0.0%	9240578	7.1	6.9	2.9%	9240580	6.8	7.0	2.9%
Ni	9240555	88	88	0.0%	9240566	88	88	0.0%	9240578	73	75	2.7%	9240580	81	87	7.1%
P	9240555	0.04	0.04	0.0%	9240566	0.04	0.04	0.0%	9240578	0.04	0.04	0.0%	9240580	0.03	0.03	0.0%
Pb	9240555	< 5	< 5	0.0%	9240566	9	9	0.0%	9240578	28	26	7.4%	9240580	133	134	0.7%
Pr	9240555	1.46	1.43	2.1%	9240566	1.41	1.42	0.7%	9240578	1.33	1.37	3.0%	9240580	1.22	1.31	7.1%
Rb	9240555	18.5	20.5	10.3%	9240566	26.6	28.4	6.5%	9240578	6.8	6.6	3.0%	9240580	11.7	11.6	0.9%
S	9240555	0.305	0.311	1.9%	9240566	0.353	0.363	2.8%	9240578	0.895	0.932	4.1%	9240580	1.19	1.27	6.5%
Sb	9240555	0.5	0.5	0.0%	9240566	0.32	0.36	11.8%	9240578	0.47	0.45	4.3%	9240580	2.23	2.38	6.5%
Sc	9240555	48	48	0.0%	9240566	45	45	0.0%	9240578	32	33	3.1%	9240580	42	44	4.7%
Si	9240555	23.0	22.0	4.4%	9240566	23.7	23.6	0.4%	9240578	25.8	26.4	2.3%	9240580	21.3	21.8	2.3%
Sm	9240555	2.6	2.7	3.8%	9240566	2.43	2.59	6.4%	9240578	2.24	2.28	1.8%	9240580	2.3	2.3	0.0%
Sn	9240555	< 1	< 1	0.0%	9240566	< 1	< 1	0.0%	9240578	< 1	< 1	0.0%	9240580	< 1	< 1	0.0%
Sr	9240555	143	135	5.8%	9240566	146	146	0.0%	9240578	60.3	61.8	2.5%	9240580	145	149	2.7%
Ta	9240555	< 0.5	< 0.5	0.0%	9240566	< 0.5	< 0.5	0.0%	9240578	< 0.5	< 0.5	0.0%	9240580	< 0.5	< 0.5	0.0%
Tb	9240555	0.581	0.628	7.8%	9240566	0.56	0.57	1.8%	9240578	0.50	0.51	2.0%	9240580	0.55	0.55	0.0%
Th	9240555	0.5	0.5	0.0%	9240566	0.4	0.4	0.0%	9240578	0.4	0.4	0.0%	9240580	0.47	0.39	18.6%
Ti	9240555	0.64	0.62	3.2%	9240566	0.66	0.66	0.0%	9240578	0.66	0.67	1.5%	9240580	0.53	0.54	1.9%
Tl	9240555	< 0.5	< 0.5	0.0%	9240566	< 0.5	< 0.5	0.0%	9240578	< 0.5	< 0.5	0.0%	9240580	< 0.5	< 0.5	0.0%
Tm	9240555	0.39	0.43	9.8%	9240566	0.35	0.37	5.6%	9240578	0.29	0.29	0.0%	9240580	0.39	0.38	2.6%
U	9240555	0.101	0.109	7.6%	9240566	0.104	0.106	1.9%	9240578	0.10	0.10	0.0%	9240580	0.09	0.09	0.0%
V	9240555	323	322	0.3%	9240566	301	302	0.3%	9240578	236	242	2.5%	9240580	295	308	4.3%
W	9240555	1	1	0.0%	9240566	< 1	1		9240578	2	1		9240580	< 1	1	
Y	9240555	22.1	24.2	9.1%	9240566	21.6	22.4	3.6%	9240578	18.3	17.8	2.8%	9240580	22.4	22.2	0.9%
Yb	9240555	2.53	2.66	5.0%	9240566	2.3	2.4	4.3%	9240578	2.0	1.9	5.1%	9240580	2.24	2.51	11.4%
Zn	9240555	88	86	2.3%	9240566	67	69	2.9%	9240578	61	63	3.2%	9240580	146	148	1.4%
Zr	9240555	54.4	58.1	6.6%	9240566	57.9	58.8	1.5%	9240578	62.0	58.0	6.7%	9240580	49.8	48.0	3.7%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9240590	< 1	< 1	0.0%	9240602	< 1	< 1	0.0%	9240605	< 1	< 1	0.0%	9240614	3	< 1	
Al	9240590	7.80	7.69	1.4%	9240602	8.09	8.39	3.6%	9240605	0.12	0.12	0.0%	9240614	8.65	8.54	1.3%
As	9240590	6	6	0.0%	9240602	< 5	< 5	0.0%	9240605	< 5	< 5	0.0%	9240614	< 5	6	
B	9240590	21	21	0.0%	9240602	< 20	< 20	0.0%	9240605	< 20	< 20	0.0%	9240614	< 20	< 20	0.0%
Ba	9240590	136	134	1.5%	9240602	125	126	0.8%	9240605	19.9	19.4	2.5%	9240614	210	207	1.4%



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Be	9240590	< 5	< 5	0.0%	9240602	< 5	< 5	0.0%	9240605	< 5	< 5	0.0%	9240614	< 5	< 5	0.0%
Bi	9240590	0.1	0.1	0.0%	9240602	< 0.1	< 0.1	0.0%	9240605	< 0.1	< 0.1	0.0%	9240614	0.2	0.2	0.0%
Ca	9240590	5.62	5.54	1.4%	9240602	7.44	7.48	0.5%	9240605	34.8	34.8	0.0%	9240614	6.80	6.75	0.7%
Cd	9240590	< 0.2	< 0.2	0.0%	9240602	< 0.2	< 0.2	0.0%	9240605	< 0.2	< 0.2	0.0%	9240614	< 0.2	< 0.2	0.0%
Ce	9240590	10.8	10.5	2.8%	9240602	8.7	9.3	6.7%	9240605	0.8	0.8	0.0%	9240614	9.0	9.9	9.5%
Co	9240590	43.3	41.2	5.0%	9240602	58.4	61.4	5.0%	9240605	1.12	1.02	9.3%	9240614	74.5	72.9	2.2%
Cr	9240590	0.0240	0.0234	2.5%	9240602	0.025	0.025	0.0%	9240605	< 0.005	< 0.005	0.0%	9240614	0.0265	0.0265	0.0%
Cs	9240590	0.56	0.51	9.3%	9240602	0.3	0.3	0.0%	9240605	< 0.1	< 0.1	0.0%	9240614	1.10	1.03	6.6%
Cu	9240590	119	116	2.6%	9240602	85	86	1.2%	9240605	< 5	< 5	0.0%	9240614	227	225	0.9%
Dy	9240590	4.54	4.21	7.5%	9240602	3.60	3.98	10.0%	9240605	0.24	0.26	8.0%	9240614	4.07	4.54	10.9%
Er	9240590	2.71	2.52	7.3%	9240602	2.21	2.33	5.3%	9240605	0.169	0.145	15.3%	9240614	2.48	2.67	7.4%
Eu	9240590	1.02	0.93	9.2%	9240602	0.832	0.889	6.6%	9240605	< 0.05	< 0.05	0.0%	9240614	0.884	0.971	9.4%
Fe	9240590	7.89	7.77	1.5%	9240602	8.58	8.72	1.6%	9240605	0.09	0.09	0.0%	9240614	10.1	10.1	0.0%
Ga	9240590	18.0	16.3	9.9%	9240602	16.6	17.4	4.7%	9240605	0.31	0.31	0.0%	9240614	17.8	17.9	0.6%
Gd	9240590	3.81	3.53	7.6%	9240602	2.98	3.24	8.4%	9240605	0.23	0.25	8.3%	9240614	3.19	3.51	9.6%
Ge	9240590	2	2	0.0%	9240602	1	2		9240605	< 1	< 1	0.0%	9240614	2	2	0.0%
Hf	9240590	2	2	0.0%	9240602	2	2	0.0%	9240605	< 1	< 1	0.0%	9240614	2	2	0.0%
Ho	9240590	0.95	0.92	3.2%	9240602	0.789	0.837	5.9%	9240605	0.053	0.059	10.7%	9240614	0.84	0.92	9.1%
In	9240590	< 0.2	< 0.2	0.0%	9240602	< 0.2	< 0.2	0.0%	9240605	< 0.2	< 0.2	0.0%	9240614	< 0.2	< 0.2	0.0%
K	9240590	0.56	0.55	1.8%	9240602	0.41	0.42	2.4%	9240605	< 0.05	< 0.05	0.0%	9240614	0.581	0.574	1.2%
La	9240590	4.1	4.0	2.5%	9240602	3.21	3.58	10.9%	9240605	1.01	1.06	4.8%	9240614	3.4	3.7	8.5%
Li	9240590	16	14	13.3%	9240602	< 10	< 10	0.0%	9240605	< 10	< 10	0.0%	9240614	18	16	11.8%
Lu	9240590	0.445	0.424	4.8%	9240602	0.375	0.400	6.5%	9240605	< 0.05	< 0.05	0.0%	9240614	0.435	0.446	2.5%
Mg	9240590	2.00	1.95	2.5%	9240602	2.11	2.18	3.3%	9240605	1.45	1.40	3.5%	9240614	2.49	2.43	2.4%
Mn	9240590	1900	1860	2.1%	9240602	2350	2330	0.9%	9240605	49	47	4.2%	9240614	2800	2770	1.1%
Mo	9240590	5	5	0.0%	9240602	4	5	22.2%	9240605	< 2	< 2	0.0%	9240614	5	5	0.0%
Nb	9240590	3	3	0.0%	9240602	2	2	0.0%	9240605	< 1	< 1	0.0%	9240614	2	2	0.0%
Nd	9240590	9.01	8.53	5.5%	9240602	7.33	7.59	3.5%	9240605	0.86	0.82	4.8%	9240614	7.4	8.3	11.5%
Ni	9240590	59	57	3.4%	9240602	96	98	2.1%	9240605	< 5	< 5	0.0%	9240614	98	95	3.1%
P	9240590	0.05	0.05	0.0%	9240602	0.04	0.04	0.0%	9240605	< 0.01	< 0.01	0.0%	9240614	0.04	0.04	0.0%
Pb	9240590	< 5	< 5	0.0%	9240602	< 5	< 5	0.0%	9240605	< 5	< 5	0.0%	9240614	20	20	0.0%
Pr	9240590	1.67	1.55	7.5%	9240602	1.30	1.36	4.5%	9240605	0.172	0.180	4.5%	9240614	1.44	1.53	6.1%
Rb	9240590	23.9	22.7	5.2%	9240602	15.0	15.7	4.6%	9240605	1.27	1.10	14.3%	9240614	26.0	25.5	1.9%
S	9240590	0.18	0.18	0.0%	9240602	0.13	0.13	0.0%	9240605	< 0.01	< 0.01	0.0%	9240614	0.61	0.60	1.7%



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Sb	9240590	0.2	0.2	0.0%	9240602	0.2	0.2	0.0%	9240605	0.1	< 0.1		9240614	0.5	0.5	0.0%
Sc	9240590	43	42	2.4%	9240602	44	44	0.0%	9240605	< 5	< 5	0.0%	9240614	44	43	2.3%
Si	9240590	26.5	26.1	1.5%	9240602	23.3	24.1	3.4%	9240605	3.56	3.46	2.8%	9240614	23.9	23.6	1.3%
Sm	9240590	3.00	2.83	5.8%	9240602	2.3	2.4	4.3%	9240605	0.2	0.2	0.0%	9240614	2.6	2.7	3.8%
Sn	9240590	< 1	< 1	0.0%	9240602	< 1	< 1	0.0%	9240605	< 1	< 1	0.0%	9240614	< 1	< 1	0.0%
Sr	9240590	106	104	1.9%	9240602	129	130	0.8%	9240605	61.2	61.1	0.2%	9240614	120	118	1.7%
Ta	9240590	< 0.5	< 0.5	0.0%	9240602	< 0.5	< 0.5	0.0%	9240605	< 0.5	< 0.5	0.0%	9240614	< 0.5	< 0.5	0.0%
Tb	9240590	0.69	0.64	7.5%	9240602	0.529	0.567	6.9%	9240605	< 0.05	< 0.05	0.0%	9240614	0.59	0.64	8.1%
Th	9240590	0.46	0.44	4.4%	9240602	0.4	0.4	0.0%	9240605	0.1	< 0.1		9240614	0.4	0.7	
Ti	9240590	0.71	0.70	1.4%	9240602	0.65	0.67	3.0%	9240605	< 0.01	< 0.01	0.0%	9240614	0.677	0.668	1.3%
Tl	9240590	< 0.5	< 0.5	0.0%	9240602	< 0.5	< 0.5	0.0%	9240605	< 0.5	< 0.5	0.0%	9240614	< 0.5	< 0.5	0.0%
Tm	9240590	0.41	0.38	7.6%	9240602	0.36	0.40	10.5%	9240605	< 0.05	< 0.05	0.0%	9240614	0.38	0.43	12.3%
U	9240590	0.111	0.093	17.6%	9240602	0.10	0.10	0.0%	9240605	0.14	0.07		9240614	0.105	0.107	1.9%
V	9240590	303	295	2.7%	9240602	310	306	1.3%	9240605	< 5	< 5	0.0%	9240614	308	306	0.7%
W	9240590	< 1	< 1	0.0%	9240602	< 1	1		9240605	< 1	< 1	0.0%	9240614	< 1	< 1	0.0%
Y	9240590	25.1	23.5	6.6%	9240602	20.4	22.5	9.8%	9240605	2.4	2.4	0.0%	9240614	23.6	22.5	4.8%
Yb	9240590	2.7	2.6	3.8%	9240602	2.22	2.52	12.7%	9240605	0.1	0.1	0.0%	9240614	2.6	2.7	3.8%
Zn	9240590	67	66	1.5%	9240602	84	86	2.4%	9240605	< 5	< 5	0.0%	9240614	91	92	1.1%
Zr	9240590	67.2	64.1	4.7%	9240602	55.9	60.7	8.2%	9240605	2.8	2.1	28.6%	9240614	60.4	59.3	1.8%

Parameter	REPLICATE #9				REPLICATE #10												
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Ag	9240626	< 1	< 1	0.0%	9240630	< 1	< 1	0.0%									
Al	9240626	8.55	8.51	0.5%	9240630	8.11	8.33	2.7%									
As	9240626	11	11	0.0%	9240630	< 5	< 5	0.0%									
B	9240626	< 20	< 20	0.0%	9240630	< 20	< 20	0.0%									
Ba	9240626	138	138	0.0%	9240630	145	146	0.7%									
Be	9240626	< 5	< 5	0.0%	9240630	< 5	< 5	0.0%									
Bi	9240626	< 0.1	< 0.1	0.0%	9240630	< 0.1	< 0.1	0.0%									
Ca	9240626	5.17	5.21	0.8%	9240630	8.51	8.62	1.3%									
Cd	9240626	< 0.2	< 0.2	0.0%	9240630	< 0.2	< 0.2	0.0%									
Ce	9240626	9.68	9.51	1.8%	9240630	9.4	8.5	10.1%									
Co	9240626	42.6	42.4	0.5%	9240630	54.8	55.1	0.5%									
Cr	9240626	0.022	0.022	0.0%	9240630	0.028	0.028	0.0%									
Cs	9240626	0.3	0.3	0.0%	9240630	0.5	0.5	0.0%									



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Cu	9240626	31	31	0.0%	9240630	94	96	2.1%									
Dy	9240626	3.83	3.83	0.0%	9240630	3.96	3.88	2.0%									
Er	9240626	2.40	2.30	4.3%	9240630	2.48	2.30	7.5%									
Eu	9240626	0.89	0.93	4.4%	9240630	0.901	0.813	10.3%									
Fe	9240626	7.09	7.07	0.3%	9240630	8.43	8.54	1.3%									
Ga	9240626	16.9	17.1	1.2%	9240630	17.3	17.6	1.7%									
Gd	9240626	3.14	3.06	2.6%	9240630	3.04	3.06	0.7%									
Ge	9240626	1	1	0.0%	9240630	2	2	0.0%									
Hf	9240626	2	2	0.0%	9240630	2	2	0.0%									
Ho	9240626	0.84	0.84	0.0%	9240630	0.819	0.813	0.7%									
In	9240626	< 0.2	< 0.2	0.0%	9240630	< 0.2	< 0.2	0.0%									
K	9240626	0.48	0.48	0.0%	9240630	0.584	0.589	0.9%									
La	9240626	3.7	3.6	2.7%	9240630	3.6	3.4	5.7%									
Li	9240626	18	15	18.2%	9240630	< 10	< 10	0.0%									
Lu	9240626	0.36	0.36	0.0%	9240630	0.406	0.400	1.5%									
Mg	9240626	2.06	2.09	1.4%	9240630	2.26	2.28	0.9%									
Mn	9240626	1770	1770	0.0%	9240630	2230	2250	0.9%									
Mo	9240626	2	3		9240630	6	6	0.0%									
Nb	9240626	2	2	0.0%	9240630	2	2	0.0%									
Nd	9240626	7.82	7.97	1.9%	9240630	7.41	7.21	2.7%									
Ni	9240626	74	73	1.4%	9240630	101	90	11.5%									
P	9240626	0.04	0.04	0.0%	9240630	0.034	0.037	8.5%									
Pb	9240626	31	31	0.0%	9240630	5	5	0.0%									
Pr	9240626	1.44	1.31	9.5%	9240630	1.44	1.32	8.7%									
Rb	9240626	19.5	19.8	1.5%	9240630	29.8	28.5	4.5%									
S	9240626	0.12	0.12	0.0%	9240630	0.14	0.14	0.0%									
Sb	9240626	0.6	0.6	0.0%	9240630	0.3	0.3	0.0%									
Sc	9240626	43	42	2.4%	9240630	44	45	2.2%									
Si	9240626	25.0	25.0	0.0%	9240630	22.9	23.4	2.2%									
Sm	9240626	2.54	2.56	0.8%	9240630	2.41	2.49	3.3%									
Sn	9240626	< 1	< 1	0.0%	9240630	< 1	< 1	0.0%									
Sr	9240626	134	135	0.7%	9240630	159	160	0.6%									
Ta	9240626	< 0.5	< 0.5	0.0%	9240630	< 0.5	< 0.5	0.0%									
Tb	9240626	0.583	0.605	3.7%	9240630	0.570	0.587	2.9%									



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Th	9240626	0.4	0.4	0.0%	9240630	0.4	0.4	0.0%								
Ti	9240626	0.66	0.66	0.0%	9240630	0.63	0.64	1.6%								
Tl	9240626	< 0.5	< 0.5	0.0%	9240630	< 0.5	< 0.5	0.0%								
Tm	9240626	0.37	0.37	0.0%	9240630	0.38	0.36	5.4%								
U	9240626	0.11	0.11	0.0%	9240630	0.104	0.095	9.0%								
V	9240626	291	293	0.7%	9240630	308	313	1.6%								
W	9240626	1	1	0.0%	9240630	< 1	< 1	0.0%								
Y	9240626	21.6	22.5	4.1%	9240630	22.4	21.9	2.3%								
Yb	9240626	2.3	2.3	0.0%	9240630	2.4	2.4	0.0%								
Zn	9240626	98	100	2.0%	9240630	89	87	2.3%								
Zr	9240626	58.8	61.9	5.1%	9240630	60.0	57.3	4.6%								



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	5.6	88%	90% - 110%					6.39	4.87	76%	90% - 110%
Al	10.95	11.12	102%	90% - 110%	4.30	4.2	98%	90% - 110%	10.95	11.05	101%	90% - 110%	4.30	4.13	96%	90% - 110%
Ba	340	333	98%	90% - 110%					340	319	94%	90% - 110%				
Be	2.6	2.8	108%	90% - 110%					2.6	3.1	120%	90% - 110%				
Ca	5.72	5.82	102%	90% - 110%	2.21	2.28	103%	90% - 110%	5.72	5.81	102%	90% - 110%	2.21	2.18	99%	90% - 110%
Ce	122	117	96%	90% - 110%					122	113	93%	90% - 110%				
Co	2.8	2.6	91%	90% - 110%	672	656	98%	90% - 110%	2.8	2.7	95%	90% - 110%	672	696	104%	90% - 110%
Cr					0.032	0.034	105%	90% - 110%					0.032	0.034	105%	90% - 110%
Cs	1.5	1.6	104%	90% - 110%					1.5	1.5	98%	90% - 110%				
Cu					11850	11178	94%	90% - 110%					11850	11297	95%	90% - 110%
Dy	18.2	19.2	106%	90% - 110%					18.2	19.2	105%	90% - 110%				
Er	14.2	13.5	95%	90% - 110%					14.2	13.7	97%	90% - 110%				
Eu	2.0	1.81	91%	90% - 110%					2.0	1.94	97%	90% - 110%				
Fe	4.34	4.46	103%	90% - 110%	25.54	24.77	97%	90% - 110%	4.34	4.54	105%	90% - 110%	25.54	24.14	95%	90% - 110%
Ga	35	34	98%	90% - 110%					35	35	100%	90% - 110%				
Gd	14	14	103%	90% - 110%					14	15	104%	90% - 110%				
Hf	10.6	10.6	100%	90% - 110%					10.6	10.4	98%	90% - 110%				
Ho	4.3	4.4	101%	90% - 110%					4.3	4.3	101%	90% - 110%				
K	1.37	1.49	109%	90% - 110%					1.37	1.48	108%	90% - 110%				
La	58	55	95%	90% - 110%					58	54	94%	90% - 110%				
Li	37	36.8	99%	90% - 110%					37	35.9	97%	90% - 110%				
Lu	2.1	2.1	102%	90% - 110%					2.1	2.2	104%	90% - 110%				
Mg	0.325	0.324	100%	90% - 110%	1.79	1.84	103%	90% - 110%	0.325	0.318	98%	90% - 110%	1.79	1.68	94%	90% - 110%
Mn	836	801	96%	90% - 110%	703	684	97%	90% - 110%	836	769	92%	90% - 110%	703	689	98%	90% - 110%
Nb	13	14	105%	90% - 110%					13	14	104%	90% - 110%				
Nd	57	57	100%	90% - 110%					57	59	103%	90% - 110%				
Ni	9	9	98%	90% - 110%	19530	17965	92%	90% - 110%	9	6	72%	90% - 110%	19530	17831	91%	90% - 110%
Pb	10	10	99%	90% - 110%	58	55	96%	90% - 110%	10	9	95%	90% - 110%	58	55	95%	90% - 110%
Pr	15.0	13.9	93%	90% - 110%					15.0	13.9	92%	90% - 110%				
Rb	55	57	103%	90% - 110%					55	56	101%	90% - 110%				
S					14.14	13.92	98%	90% - 110%					14.14	13.36	95%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Si	23.3	22.7	98%	90% - 110%	15.23	14.67	96%	90% - 110%	23.3	23	99%	90% - 110%	15.23	14.91	98%	90% - 110%
Sm	12.7	12.6	99%	90% - 110%					12.7	13	103%	90% - 110%				
Sn	7.1	7.5	106%	90% - 110%					7.1	7.5	106%	90% - 110%				
Sr	1191	1233	104%	90% - 110%					1191	1212	102%	90% - 110%				
Ta	0.9	0.8	84%	90% - 110%												
Tb	2.6	2.7	106%	90% - 110%					2.6	2.7	106%	90% - 110%				
Th	1.4	1.4	99%	90% - 110%					1.4	1.2	83%	90% - 110%				
Ti	0.172	0.166	97%	90% - 110%					0.172	0.167	97%	90% - 110%				
Tm	2.3	2.3	102%	90% - 110%					2.3	2.3	101%	90% - 110%				
U	0.8	0.9	107%	90% - 110%					0.8	0.9	110%	90% - 110%				
Y	119	122	103%	90% - 110%					119	119	100%	90% - 110%				
Yb	14.8	14.2	96%	90% - 110%					14.8	14.4	98%	90% - 110%				
Zn	93	86.4	93%	90% - 110%	235	253	108%	90% - 110%	93	90.3	97%	90% - 110%	235	250	106%	90% - 110%
Zr	517	545	105%	90% - 110%					517	516	100%	90% - 110%				
CRM #5 (ref.SY-4)																
Parameter	Expect	Actual	Recovery	Limits												
Al	10.95	10.91	100%	90% - 110%												
Ba	340	343	101%	90% - 110%												
Be	2.6	3.2	121%	90% - 110%												
Ca	5.72	5.94	104%	90% - 110%												
Ce	122	113	93%	90% - 110%												
Co	2.8	2.9	104%	90% - 110%												
Cs	1.5	1.5	103%	90% - 110%												
Dy	18.2	19	104%	90% - 110%												
Er	14.2	13.8	97%	90% - 110%												
Eu	2.0	1.95	98%	90% - 110%												
Fe	4.34	4.38	101%	90% - 110%												
Ga	35	35	101%	90% - 110%												
Gd	14	14	102%	90% - 110%												
Hf	10.6	10.8	102%	90% - 110%												
Ho	4.3	4.4	101%	90% - 110%												
K	1.37	1.45	106%	90% - 110%												
La	58	53	92%	90% - 110%												
Li	37	37.3	101%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Lu	2.1	2.2	106%	90% - 110%															
Mg	0.325	0.325	100%	90% - 110%															
Mn	836	857	103%	90% - 110%															
Nb	13	14	106%	90% - 110%															
Nd	57	56	99%	90% - 110%															
Ni	9	8	91%	90% - 110%															
Pb	10	9	95%	90% - 110%															
Pr	15.0	13.5	90%	90% - 110%															
Rb	55	57	103%	90% - 110%															
Si	23.3	23.9	103%	90% - 110%															
Sm	12.7	13.3	105%	90% - 110%															
Sn	7.1	7.5	105%	90% - 110%															
Sr	1191	1242	104%	90% - 110%															
Tb	2.6	2.8	106%	90% - 110%															
Th	1.4	1.1	82%	90% - 110%															
Ti	0.172	0.169	99%	90% - 110%															
Tm	2.3	2.3	99%	90% - 110%															
U	0.8	0.7	91%	90% - 110%															
Y	119	121	101%	90% - 110%															
Yb	14.8	14.6	98%	90% - 110%															
Zn	93	88.0	95%	90% - 110%															
Zr	517	548	106%	90% - 110%															



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-127A
 SAMPLING SITE:

AGAT WORK ORDER: 18B338700
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B338700

PROJECT: DDH-127A

ATTENTION TO: FRANK SANTAGUIDA JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-127B

AGAT WORK ORDER: 18T338981

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jun 07, 2018

PAGES (INCLUDING COVER): 37

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612783 (9242940)		1.35
E6612784 (9242941)		0.94
E6612785 (9242942)		1.93
E6612786 (9242943)		0.01
E6612787 (9242944)		2.70
E6612788 (9242945)		2.24
E6612789 (9242946)		2.48
E6612790 (9242947)		2.66
E6612791 (9242948)		2.30
E6612792 (9242949)		1.41
E6612793 (9242950)		0.78
E6612794 (9242951)		2.64
E6612795 (9242952)		2.31
E6612796 (9242953)		2.08
E6612797 (9242954)		2.74
E6612798 (9242955)		0.98
E6612799 (9242956)		2.70
E6612800 (9242957)		2.43
E6612801 (9242958)		2.54
E6612802 (9242959)		2.75
E6612803 (9242960)		2.57
E6612804 (9242961)		2.62
E6612805 (9242962)		2.67
E6612806 (9242963)		0.01
E6612807 (9242964)		1.50
E6612808 (9242965)		1.32
E6612809 (9242966)		0.01
E6612810 (9242967)		0.88
E6612811 (9242968)		0.87
E6612812 (9242969)		1.36
E6612813 (9242970)		1.60

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612814 (9242971)		2.73
E6612815 (9242972)		2.57
E6612816 (9242973)		2.77
E6612817 (9242974)		2.63
E6612818 (9242975)		2.63
E6612819 (9242976)		3.11
E6612820 (9242977)		2.88
E6612821 (9242978)		2.69
E6612822 (9242979)		2.22
E6612823 (9242980)		2.72
E6612824 (9242981)		1.24
E6612825 (9242982)		2.06
E6612826 (9242983)		0.03
E6612827 (9242984)		2.68
E6612828 (9242985)		2.79
E6612829 (9242986)		3.03
E6612830 (9242987)		2.66
E6612831 (9242988)		3.36
E6612832 (9242989)		1.49
E6612833 (9242990)		2.77
E6612834 (9242991)		2.57
E6612835 (9242992)		3.33
E6612836 (9242993)		2.92
E6612837 (9242994)		3.21
E6612838 (9242995)		3.21
E6612839 (9242996)		2.39
E6612840 (9242997)		0.96
E6612841 (9242998)		0.81
E6612842 (9242999)		1.09
E6612843 (9243000)		3.37
E6612844 (9243001)		3.25

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612845 (9243002)		2.51
E6612846 (9243003)		0.01
E6612847 (9243004)		2.72
E6612848 (9243005)		2.74
E6612849 (9243006)		2.64
E6612850 (9243007)		2.84
E6612851 (9243008)		0.62
E6612852 (9243009)		1.35
E6612853 (9243010)		2.24
E6612854 (9243011)		2.78
E6612855 (9243012)		0.82
E6612856 (9243013)		2.24
E6612857 (9243014)		2.97
E6612858 (9243015)		2.97
E6612859 (9243016)		2.72
E6612860 (9243017)		2.73
E6612861 (9243018)		2.57
E6612862 (9243019)		2.61
E6612863 (9243020)		2.66
E6612864 (9243021)		2.65
E6612865 (9243022)		2.56
E6612866 (9243023)		0.01
E6612867 (9243024)		2.91
E6612868 (9243025)		2.97
E6612869 (9243026)		2.70
E6612870 (9243027)		2.65
E6612871 (9243028)		2.58
E6612872 (9243029)		1.36
E6612873 (9243030)		2.97
E6612874 (9243031)		2.48
E6612875 (9243032)		2.23

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6612876 (9243033)		2.66
E6612877 (9243034)		2.38
E6612878 (9243035)		2.38

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6612783 (9242940)	<1	0.06	<5	<20	15.8	<5	<0.1	35.6	<0.2	1.9	0.8	<0.005	<0.1	5	
E6612784 (9242941)	<1	9.14	139	30	197	<5	0.3	7.60	0.5	11.1	66.8	0.030	0.7	214	
E6612785 (9242942)	<1	9.13	994	21	155	<5	7.6	7.42	<0.2	12.4	379	0.030	0.6	182	
E6612786 (9242943)	101	3.84	127000	<20	0.7	<5	1200	12.8	0.2	31.9	38200	0.031	0.9	74	
E6612787 (9242944)	2	8.72	20	<20	149	<5	3.1	7.70	<0.2	10.3	63.4	0.026	1.1	208	
E6612788 (9242945)	<1	8.60	43	<20	183	<5	2.4	6.35	<0.2	10.5	62.6	0.026	1.1	210	
E6612789 (9242946)	<1	8.55	24	<20	134	<5	1.4	6.29	<0.2	10.7	58.8	0.024	1.1	285	
E6612790 (9242947)	<1	9.40	17	<20	166	<5	0.8	6.75	<0.2	11.2	45.3	0.029	0.6	101	
E6612791 (9242948)	<1	8.94	15	<20	173	<5	0.5	7.79	<0.2	10.8	60.0	0.027	0.6	104	
E6612792 (9242949)	<1	0.07	8	<20	14.8	<5	0.5	35.0	<0.2	1.1	1.6	<0.005	<0.1	6	
E6612793 (9242950)	2	8.44	12700	<20	213	<5	366	7.56	0.5	12.1	3060	0.023	0.7	187	
E6612794 (9242951)	<1	9.12	20	<20	146	<5	1.4	6.72	<0.2	10.9	51.2	0.026	0.6	69	
E6612795 (9242952)	<1	9.27	47	20	151	<5	2.5	7.36	<0.2	11.7	63.9	0.026	0.7	116	
E6612796 (9242953)	<1	8.40	6	<20	131	<5	0.7	8.26	<0.2	10.6	88.7	0.024	0.5	434	
E6612797 (9242954)	<1	8.72	9	<20	159	<5	0.6	7.22	<0.2	11.0	65.5	0.025	0.6	182	
E6612798 (9242955)	<1	8.77	9	<20	155	<5	0.5	7.33	<0.2	10.7	63.6	0.025	0.6	200	
E6612799 (9242956)	<1	9.14	<5	<20	150	<5	0.4	7.83	<0.2	11.5	55.7	0.027	0.4	182	
E6612800 (9242957)	<1	8.99	5	21	112	<5	0.1	7.29	<0.2	11.1	56.5	0.027	0.7	162	
E6612801 (9242958)	<1	9.61	<5	<20	152	<5	<0.1	5.90	<0.2	10.2	44.6	0.027	0.8	86	
E6612802 (9242959)	<1	8.80	6	24	112	<5	0.2	7.42	<0.2	10.4	59.0	0.026	0.7	332	
E6612803 (9242960)	<1	9.00	<5	<20	143	<5	0.2	6.95	<0.2	10.6	68.0	0.026	1.3	176	
E6612804 (9242961)	<1	9.10	26	<20	232	<5	0.4	6.18	<0.2	12.0	49.2	0.026	1.5	151	
E6612805 (9242962)	<1	9.47	18	<20	298	<5	0.3	6.36	<0.2	10.7	54.3	0.026	1.7	102	
E6612806 (9242963)	<1	4.93	543	125	181	<5	7.4	4.34	<0.2	79.2	1010	0.006	2.8	3150	
E6612807 (9242964)	4	4.68	911	<20	22.5	<5	28.9	11.7	3.1	34.6	252	0.182	1.3	884	
E6612808 (9242965)	<1	0.06	7	<20	11.6	<5	0.9	33.0	<0.2	1.0	1.1	<0.005	<0.1	6	
E6612809 (9242966)	46	5.93	61200	<20	22.1	<5	532	7.97	<0.2	17.7	18400	0.022	0.7	64	
E6612810 (9242967)	5	3.97	519	<20	5.3	<5	15.8	6.99	3.4	15.8	64.1	0.218	1.7	151	
E6612811 (9242968)	6	3.34	465	<20	8.2	<5	7.4	9.18	5.4	21.5	93.6	0.179	1.0	382	
E6612812 (9242969)	<1	0.07	17	<20	15.6	<5	1.1	32.4	<0.2	0.9	1.2	<0.005	<0.1	7	
E6612813 (9242970)	<1	8.26	59	<20	158	<5	1.6	5.06	0.2	11.5	54.8	0.032	1.6	106	
E6612814 (9242971)	<1	8.77	9	<20	209	<5	0.4	7.10	<0.2	11.2	52.3	0.026	0.7	72	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6612815 (9242972)	<1	8.50	6	<20	184	<5	0.3	7.41	<0.2	10.6	51.2	0.024	0.8	69
E6612816 (9242973)	<1	8.04	5	<20	171	<5	0.3	7.30	<0.2	11.2	60.1	0.026	1.1	147
E6612817 (9242974)	<1	8.07	20	22	294	<5	0.8	5.97	<0.2	11.8	112	0.023	3.9	292
E6612818 (9242975)	<1	8.09	17	22	300	<5	0.8	5.82	<0.2	12.0	109	0.022	3.8	291
E6612819 (9242976)	<1	7.62	5	<20	236	<5	0.3	6.81	<0.2	29.5	52.6	0.028	0.7	113
E6612820 (9242977)	<1	8.30	6	<20	394	<5	0.3	6.04	<0.2	26.4	52.5	0.027	0.7	104
E6612821 (9242978)	<1	8.31	<5	55	618	<5	0.3	7.29	<0.2	10.9	60.1	0.023	0.9	113
E6612822 (9242979)	<1	8.47	<5	24	541	<5	0.1	6.73	<0.2	11.6	53.8	0.024	0.6	89
E6612823 (9242980)	<1	8.50	<5	31	582	<5	0.2	7.32	<0.2	12.9	54.0	0.023	0.4	73
E6612824 (9242981)	<1	7.98	<5	<20	1120	<5	0.1	6.30	<0.2	16.5	53.8	0.022	0.5	27
E6612825 (9242982)	<1	6.17	6	<20	108	<5	<0.1	6.02	<0.2	72.4	43.9	0.039	0.3	14
E6612826 (9242983)	<1	4.73	549	123	173	<5	7.5	4.13	<0.2	78.3	977	0.006	2.8	3020
E6612827 (9242984)	<1	5.97	6	<20	53.4	<5	0.2	6.14	<0.2	74.4	42.1	0.043	0.3	13
E6612828 (9242985)	<1	8.76	<5	<20	449	<5	0.2	6.70	<0.2	11.6	56.7	0.026	0.7	95
E6612829 (9242986)	<1	8.65	<5	20	469	<5	0.2	7.12	<0.2	11.2	54.8	0.027	1.0	99
E6612830 (9242987)	<1	7.91	<5	21	410	<5	0.2	6.28	<0.2	15.0	50.9	0.021	0.4	208
E6612831 (9242988)	<1	7.55	<5	45	320	<5	0.2	7.31	1.4	54.4	52.8	0.033	0.7	85
E6612832 (9242989)	<1	0.07	<5	<20	13.7	<5	<0.1	33.5	<0.2	0.9	0.7	<0.005	<0.1	5
E6612833 (9242990)	<1	8.95	<5	24	397	<5	0.2	5.97	<0.2	11.9	48.7	0.025	1.2	97
E6612834 (9242991)	<1	8.68	<5	25	363	<5	0.1	7.58	<0.2	11.2	53.8	0.029	0.7	97
E6612835 (9242992)	<1	8.70	10	<20	405	<5	0.1	7.27	<0.2	15.2	58.0	0.025	0.6	157
E6612836 (9242993)	<1	7.00	9	<20	50.4	<5	0.2	5.34	1.1	126	38.8	0.054	0.5	28
E6612837 (9242994)	<1	8.84	18	<20	529	<5	0.2	5.34	1.0	16.2	55.2	0.025	0.6	129
E6612838 (9242995)	<1	8.80	18	<20	513	<5	0.2	5.31	1.0	18.5	54.8	0.027	0.6	123
E6612839 (9242996)	<1	7.80	19	<20	164	<5	<0.1	4.73	<0.2	93.8	52.3	0.030	0.4	89
E6612840 (9242997)	<1	7.53	28	<20	24.3	<5	<0.1	3.46	<0.2	255	41.4	0.024	0.1	27
E6612841 (9242998)	<1	6.04	<5	<20	15.2	<5	<0.1	4.83	<0.2	223	24.0	0.030	0.1	13
E6612842 (9242999)	<1	1.54	11	<20	28.8	<5	0.5	1.18	5.2	12.6	26.7	0.035	0.2	313
E6612843 (9243000)	<1	8.66	15	23	350	<5	0.3	6.20	1.2	12.1	73.6	0.027	0.9	157
E6612844 (9243001)	<1	9.06	7	20	258	<5	0.1	5.65	0.7	10.9	43.7	0.025	1.4	111
E6612845 (9243002)	<1	8.65	5	<20	256	<5	0.2	6.79	<0.2	10.7	53.9	0.026	1.2	74
E6612846 (9243003)	<1	4.64	620	119	169	<5	7.3	4.01	<0.2	80.0	957	0.006	2.8	2930

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6612847 (9243004)	<1	8.13	<5	<20	248	<5	0.3	7.35	<0.2	10.9	58.7	0.024	0.6	100	
E6612848 (9243005)	<1	8.48	<5	<20	251	<5	0.2	5.63	0.3	11.0	57.7	0.025	3.3	80	
E6612849 (9243006)	<1	8.93	6	<20	247	<5	0.1	5.29	0.3	10.9	52.7	0.024	1.3	41	
E6612850 (9243007)	<1	8.07	<5	22	216	<5	0.2	6.56	0.4	11.0	63.7	0.025	1.6	106	
E6612851 (9243008)	<1	7.76	10	<20	96.4	<5	0.1	5.21	0.3	11.8	43.8	0.023	0.9	46	
E6612852 (9243009)	<1	0.07	<5	<20	18.9	<5	<0.1	31.8	<0.2	0.9	0.9	<0.005	<0.1	6	
E6612853 (9243010)	<1	6.13	<5	146	25.4	<5	0.2	8.86	0.4	7.0	28.3	0.014	<0.1	106	
E6612854 (9243011)	<1	7.05	12	625	16.2	<5	0.3	9.96	0.4	9.4	50.5	0.016	0.1	118	
E6612855 (9243012)	<1	6.75	27	161	22.4	<5	0.1	8.85	0.2	10.7	47.9	0.020	<0.1	91	
E6612856 (9243013)	<1	7.37	<5	83	159	<5	0.2	8.16	0.2	10.7	61.2	0.019	0.2	145	
E6612857 (9243014)	<1	8.40	<5	20	158	<5	0.1	6.42	<0.2	11.3	57.1	0.025	0.6	107	
E6612858 (9243015)	<1	8.37	<5	20	155	<5	0.1	6.34	<0.2	11.0	56.8	0.023	0.6	110	
E6612859 (9243016)	<1	8.21	<5	<20	198	<5	<0.1	7.37	<0.2	10.9	57.2	0.023	0.6	108	
E6612860 (9243017)	<1	8.63	<5	<20	158	<5	<0.1	5.91	<0.2	10.7	48.2	0.024	0.6	102	
E6612861 (9243018)	<1	8.65	<5	33	169	<5	<0.1	6.01	<0.2	11.2	44.4	0.023	0.6	115	
E6612862 (9243019)	<1	8.55	<5	26	239	<5	0.2	6.99	0.6	10.8	60.9	0.025	0.6	137	
E6612863 (9243020)	<1	8.71	6	22	197	<5	0.1	6.81	<0.2	10.8	58.6	0.024	0.5	125	
E6612864 (9243021)	<1	8.21	<5	26	229	<5	0.1	7.55	<0.2	12.6	51.2	0.023	0.3	84	
E6612865 (9243022)	<1	8.85	<5	32	221	<5	0.1	6.64	<0.2	10.9	50.7	0.023	1.7	75	
E6612866 (9243023)	<1	4.62	556	118	168	<5	7.5	3.95	<0.2	77.8	951	0.006	2.8	2990	
E6612867 (9243024)	<1	8.51	6	64	135	<5	0.4	5.68	<0.2	10.6	43.8	0.022	1.1	98	
E6612868 (9243025)	<1	8.42	<5	<20	122	<5	0.2	6.59	<0.2	10.6	53.8	0.024	1.0	121	
E6612869 (9243026)	<1	8.33	<5	22	164	<5	0.1	7.40	<0.2	11.3	56.9	0.024	0.3	102	
E6612870 (9243027)	<1	8.59	<5	<20	176	<5	0.2	5.54	<0.2	12.3	68.2	0.024	4.2	126	
E6612871 (9243028)	<1	7.95	<5	33	181	<5	0.2	6.02	<0.2	12.8	59.8	0.023	0.4	105	
E6612872 (9243029)	<1	0.10	<5	<20	14.7	<5	<0.1	32.5	<0.2	1.0	1.2	<0.005	<0.1	7	
E6612873 (9243030)	<1	8.20	6	28	321	<5	<0.1	7.94	<0.2	10.9	55.5	0.023	0.4	60	
E6612874 (9243031)	<1	8.66	<5	<20	293	<5	<0.1	6.03	<0.2	11.2	45.6	0.022	1.2	66	
E6612875 (9243032)	<1	8.61	<5	32	259	<5	0.1	6.62	<0.2	11.1	54.2	0.023	0.5	99	
E6612876 (9243033)	<1	8.49	<5	43	456	<5	0.2	6.57	<0.2	13.0	58.7	0.021	0.5	146	
E6612877 (9243034)	<1	7.59	<5	<20	420	<5	0.1	4.34	0.2	78.3	28.7	0.012	0.3	133	
E6612878 (9243035)	<1	7.67	<5	<20	414	<5	0.1	4.38	<0.2	76.0	29.0	0.012	0.3	135	

Certified By:



AGAT Laboratories

Certificate of Analysis

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PROJECT: DDH-127B

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

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SAMPLE TYPE: Drill Core

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DATE SAMPLED: May 14, 2018

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SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6612783 (9242940)	0.35	0.22	<0.05	0.09	0.43	0.34	<1	<1	0.07	<0.2	<0.05	1.7	<10	<0.05
E6612784 (9242941)	4.20	2.78	0.84	8.53	18.8	3.80	1	2	0.92	<0.2	1.03	4.3	17	0.39
E6612785 (9242942)	4.35	2.63	0.92	7.33	17.9	3.97	1	2	0.90	<0.2	0.74	4.7	16	0.38
E6612786 (9242943)	12.6	6.20	0.95	9.29	15.6	12.9	2	<1	2.45	0.5	<0.05	12.3	34	0.63
E6612787 (9242944)	4.00	2.68	0.88	9.39	18.3	3.60	1	2	0.88	<0.2	0.70	4.0	20	0.40
E6612788 (9242945)	3.88	2.52	0.85	8.48	17.5	3.40	1	2	0.84	<0.2	0.63	4.2	17	0.36
E6612789 (9242946)	4.06	2.57	0.80	9.95	17.1	3.41	1	2	0.88	<0.2	0.49	4.1	18	0.39
E6612790 (9242947)	3.92	2.64	0.93	7.16	19.1	3.65	1	2	0.89	<0.2	0.58	4.2	17	0.36
E6612791 (9242948)	4.16	2.75	0.92	8.78	19.1	3.68	2	2	0.93	<0.2	0.70	4.0	14	0.40
E6612792 (9242949)	0.31	0.20	<0.05	0.11	0.44	0.32	1	<1	0.07	<0.2	<0.05	1.3	<10	<0.05
E6612793 (9242950)	3.82	2.55	0.77	10.4	17.3	3.57	1	2	0.84	<0.2	0.71	4.8	27	0.39
E6612794 (9242951)	4.00	2.47	0.81	7.23	18.9	3.57	2	2	0.85	<0.2	0.62	4.2	16	0.37
E6612795 (9242952)	4.11	2.74	0.87	8.72	17.9	3.70	2	2	0.95	<0.2	0.67	4.5	14	0.40
E6612796 (9242953)	4.21	2.86	0.88	10.6	17.2	3.79	2	2	0.95	<0.2	0.58	4.0	10	0.44
E6612797 (9242954)	4.08	2.64	0.84	9.52	18.0	3.49	2	2	0.91	<0.2	0.67	4.3	16	0.39
E6612798 (9242955)	4.05	2.65	0.89	9.53	17.7	3.44	2	2	0.86	<0.2	0.65	4.1	14	0.40
E6612799 (9242956)	4.16	2.75	0.92	8.32	18.4	3.65	2	2	0.92	<0.2	0.59	4.5	11	0.42
E6612800 (9242957)	3.96	2.62	0.89	8.59	18.8	3.54	2	2	0.90	<0.2	0.46	4.2	12	0.40
E6612801 (9242958)	4.00	2.49	0.75	7.32	18.7	3.53	1	2	0.86	<0.2	0.63	4.0	17	0.38
E6612802 (9242959)	4.10	2.70	0.75	9.24	18.5	3.49	2	2	0.93	<0.2	0.50	3.9	13	0.42
E6612803 (9242960)	3.95	2.69	0.81	9.23	18.6	3.39	1	2	0.92	<0.2	0.63	4.0	17	0.41
E6612804 (9242961)	4.18	2.58	0.96	7.47	17.6	3.79	1	2	0.89	<0.2	0.86	4.6	17	0.38
E6612805 (9242962)	3.87	2.49	0.87	7.85	18.5	3.61	1	2	0.85	<0.2	0.96	4.2	21	0.35
E6612806 (9242963)	3.20	1.98	0.92	3.37	12.1	4.48	2	5	0.69	0.2	3.28	38.7	11	0.29
E6612807 (9242964)	3.75	1.69	0.63	6.62	13.5	5.64	1	1	0.71	0.3	0.10	15.8	57	0.19
E6612808 (9242965)	0.22	0.14	<0.05	0.09	0.17	0.28	<1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6612809 (9242966)	7.68	4.16	0.60	8.02	12.8	7.22	2	<1	1.53	0.3	0.09	6.9	30	0.54
E6612810 (9242967)	2.50	1.36	0.62	7.15	11.5	3.19	2	1	0.48	<0.2	0.06	6.2	49	0.17
E6612811 (9242968)	2.33	1.14	0.59	8.09	10.2	3.37	2	1	0.45	<0.2	0.08	9.5	48	0.14
E6612812 (9242969)	0.21	0.16	<0.05	0.12	0.23	0.24	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6612813 (9242970)	3.78	2.53	0.90	7.73	16.3	3.49	1	2	0.80	<0.2	0.55	4.6	23	0.34
E6612814 (9242971)	4.26	2.71	0.80	8.01	18.5	3.76	2	2	0.91	<0.2	0.70	4.4	14	0.39

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6612815 (9242972)		4.12	2.68	0.83	8.07	18.5	3.56	2	2	0.91	<0.2	0.66	4.0	13	0.41
E6612816 (9242973)		4.32	2.88	0.85	8.82	18.5	3.72	2	2	0.95	<0.2	0.61	4.4	12	0.45
E6612817 (9242974)		4.21	2.81	0.95	10.9	19.2	3.59	2	2	0.96	<0.2	0.95	4.8	24	0.46
E6612818 (9242975)		4.15	2.80	1.04	10.7	18.3	3.82	2	2	0.96	<0.2	0.96	4.8	23	0.44
E6612819 (9242976)		4.51	2.70	1.17	9.60	17.5	4.84	2	2	0.93	<0.2	0.60	12.1	18	0.41
E6612820 (9242977)		4.14	2.45	1.19	7.69	18.6	4.65	1	2	0.94	<0.2	0.94	11.2	18	0.36
E6612821 (9242978)		4.28	2.79	0.82	9.44	18.1	3.79	2	2	0.95	<0.2	1.48	4.3	15	0.43
E6612822 (9242979)		4.30	2.87	0.89	9.01	17.6	3.79	1	2	0.95	<0.2	1.11	4.5	15	0.42
E6612823 (9242980)		4.20	2.71	0.90	9.14	19.0	3.85	2	2	0.94	<0.2	0.94	5.4	15	0.41
E6612824 (9242981)		4.10	2.70	0.85	8.86	17.1	3.63	1	2	0.87	<0.2	1.36	7.9	19	0.39
E6612825 (9242982)		4.38	2.11	2.13	7.64	15.8	7.49	2	4	0.81	<0.2	0.26	29.7	25	0.25
E6612826 (9242983)		3.37	2.05	0.90	3.30	11.8	4.48	2	5	0.67	0.3	3.13	38.6	<10	0.30
E6612827 (9242984)		4.28	1.92	2.14	7.73	16.7	7.33	2	4	0.75	<0.2	0.19	30.9	29	0.23
E6612828 (9242985)		4.18	2.58	0.80	7.48	18.6	3.71	2	2	0.93	<0.2	1.10	4.6	15	0.38
E6612829 (9242986)		4.02	2.67	0.85	8.28	18.4	3.60	2	2	0.90	<0.2	1.26	4.3	16	0.38
E6612830 (9242987)		4.01	2.66	1.00	8.79	17.2	3.72	2	2	0.89	<0.2	0.81	6.6	17	0.38
E6612831 (9242988)		4.23	2.49	1.47	8.65	16.6	5.93	2	2	0.84	<0.2	0.62	23.5	22	0.36
E6612832 (9242989)		0.21	0.15	<0.05	0.10	0.18	0.20	<1	<1	<0.05	<0.2	<0.05	1.3	<10	<0.05
E6612833 (9242990)		4.19	2.71	0.84	7.56	19.6	3.57	2	2	0.91	<0.2	1.03	4.9	20	0.38
E6612834 (9242991)		4.10	2.63	0.95	8.32	18.3	3.59	2	2	0.92	<0.2	1.06	4.3	13	0.37
E6612835 (9242992)		4.54	2.84	1.09	9.34	18.5	4.05	2	2	0.97	<0.2	0.97	6.6	17	0.46
E6612836 (9242993)		5.28	2.40	2.64	10.9	15.3	9.98	1	3	0.98	<0.2	0.16	53.9	35	0.29
E6612837 (9242994)		3.88	2.49	0.95	7.62	18.8	3.82	2	2	0.84	<0.2	1.05	6.7	20	0.37
E6612838 (9242995)		4.08	2.51	1.03	7.60	18.9	4.03	1	2	0.86	<0.2	1.06	7.8	22	0.37
E6612839 (9242996)		3.48	1.92	1.48	8.18	17.7	5.35	1	2	0.71	<0.2	0.47	45.6	19	0.28
E6612840 (9242997)		3.84	1.57	3.19	5.94	15.8	10.2	1	4	0.63	<0.2	0.12	132	<10	0.18
E6612841 (9242998)		4.05	1.74	3.06	7.13	13.3	10.3	2	3	0.71	<0.2	0.11	107	<10	0.20
E6612842 (9242999)		0.63	0.35	0.26	2.18	3.43	0.79	<1	<1	0.11	<0.2	0.13	6.5	<10	<0.05
E6612843 (9243000)		3.97	2.56	0.92	8.46	18.9	3.65	1	2	0.90	<0.2	1.09	5.1	18	0.40
E6612844 (9243001)		3.67	2.38	0.76	6.60	18.9	3.43	1	2	0.78	<0.2	0.76	4.1	16	0.34
E6612845 (9243002)		4.09	2.56	0.84	7.25	19.0	3.38	2	2	0.89	<0.2	0.79	4.0	12	0.37
E6612846 (9243003)		3.27	2.04	0.86	3.23	11.8	4.52	2	5	0.69	0.3	3.10	39.6	<10	0.29

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6612847 (9243004)	4.40	2.83	0.87	8.77	17.8	3.49	2	2	0.94	<0.2	0.80	4.3	11	0.43
E6612848 (9243005)	4.22	2.76	0.83	8.85	18.3	3.64	1	2	0.90	<0.2	0.85	3.9	24	0.41
E6612849 (9243006)	4.13	2.75	0.77	9.01	17.6	3.67	1	2	0.93	<0.2	0.78	4.1	26	0.39
E6612850 (9243007)	3.99	2.65	0.86	9.81	18.2	3.37	2	2	0.88	<0.2	0.68	4.2	19	0.40
E6612851 (9243008)	4.44	2.66	0.97	8.31	15.7	3.85	2	2	0.93	<0.2	0.49	4.6	17	0.39
E6612852 (9243009)	0.21	0.16	<0.05	0.11	0.25	0.23	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6612853 (9243010)	3.13	1.94	1.37	8.54	27.9	2.80	3	<1	0.69	0.5	0.21	3.4	<10	0.29
E6612854 (9243011)	3.43	2.36	1.56	8.34	29.7	3.01	4	<1	0.82	0.3	0.12	4.6	<10	0.38
E6612855 (9243012)	4.08	2.67	1.55	7.09	23.9	3.55	3	1	0.93	0.2	0.19	4.6	<10	0.38
E6612856 (9243013)	3.89	2.60	1.10	9.54	19.7	3.36	2	1	0.87	<0.2	0.51	4.0	<10	0.39
E6612857 (9243014)	4.16	2.73	0.87	8.00	18.9	3.63	2	2	0.92	<0.2	0.58	4.2	13	0.38
E6612858 (9243015)	4.02	2.54	0.87	7.99	18.1	3.46	1	2	0.87	<0.2	0.58	4.2	13	0.37
E6612859 (9243016)	4.09	2.76	0.84	8.59	18.1	3.47	2	2	0.91	<0.2	0.66	4.1	<10	0.41
E6612860 (9243017)	3.96	2.61	0.83	7.17	18.1	3.43	1	2	0.87	<0.2	0.53	3.9	12	0.36
E6612861 (9243018)	3.80	2.51	0.92	6.87	19.0	3.69	1	2	0.86	<0.2	0.61	4.2	12	0.35
E6612862 (9243019)	4.04	2.64	0.91	9.30	19.0	3.55	2	2	0.88	<0.2	0.78	4.2	14	0.42
E6612863 (9243020)	4.17	2.59	0.87	8.16	18.1	3.61	1	2	0.91	<0.2	0.66	4.0	12	0.39
E6612864 (9243021)	4.16	2.77	0.85	8.41	18.3	3.76	1	2	0.94	<0.2	0.72	4.9	<10	0.45
E6612865 (9243022)	4.02	2.59	0.90	7.37	19.4	3.65	1	2	0.88	<0.2	0.77	4.0	16	0.38
E6612866 (9243023)	3.23	1.95	0.92	3.26	11.8	4.40	2	5	0.66	0.2	3.07	37.8	<10	0.29
E6612867 (9243024)	3.76	2.43	0.88	6.66	20.2	3.46	2	2	0.85	<0.2	0.52	3.9	11	0.36
E6612868 (9243025)	4.01	2.65	0.89	7.92	20.2	3.61	2	2	0.89	<0.2	0.45	3.9	11	0.38
E6612869 (9243026)	4.14	2.69	0.84	8.24	18.5	3.58	2	2	0.93	<0.2	0.53	4.3	10	0.42
E6612870 (9243027)	4.17	2.78	0.80	9.27	17.4	3.78	1	2	0.92	<0.2	0.72	4.5	26	0.40
E6612871 (9243028)	4.02	2.62	1.01	7.69	16.6	3.74	1	2	0.87	<0.2	0.53	5.3	<10	0.38
E6612872 (9243029)	0.24	0.18	<0.05	0.14	0.24	0.23	<1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05
E6612873 (9243030)	4.02	2.57	0.74	8.32	17.8	3.39	2	2	0.88	<0.2	0.86	4.1	10	0.38
E6612874 (9243031)	3.90	2.41	0.79	6.55	19.4	3.49	1	2	0.80	<0.2	0.76	4.4	16	0.35
E6612875 (9243032)	4.03	2.71	0.80	7.85	18.3	3.56	2	2	0.92	<0.2	0.73	4.2	11	0.39
E6612876 (9243033)	4.22	2.77	0.79	7.94	19.2	3.57	2	2	0.90	<0.2	0.93	6.5	11	0.38
E6612877 (9243034)	4.71	2.43	1.77	5.86	19.5	7.26	1	4	0.87	<0.2	0.71	35.6	<10	0.32
E6612878 (9243035)	4.76	2.29	1.79	5.90	18.6	7.41	1	4	0.88	<0.2	0.72	35.2	<10	0.32

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6612783 (9242940)		1.91	132	<2	<1	1.3	<5	<0.01	<5	0.33	0.6	0.74	<0.1	<5	3.57
E6612784 (9242941)		2.19	2140	2	<1	8.2	108	0.04	43	1.64	54.0	0.50	0.6	50	23.5
E6612785 (9242942)		2.10	1880	4	<1	9.1	80	0.05	52	1.91	37.9	0.25	2.1	49	24.4
E6612786 (9242943)		4.19	2710	192	<1	24.6	5570	0.05	<5	4.96	2.5	2.36	189	21	8.99
E6612787 (9242944)		2.32	2320	5	<1	7.9	97	0.04	11	1.59	37.9	0.67	0.7	47	23.1
E6612788 (9242945)		2.17	2280	2	<1	7.6	96	0.04	7	1.66	32.8	0.61	<0.1	41	24.7
E6612789 (9242946)		2.46	2710	4	<1	8.0	94	0.03	7	1.60	27.2	0.93	<0.1	44	23.8
E6612790 (9242947)		1.97	2090	2	<1	8.7	108	0.04	9	1.75	31.3	0.34	<0.1	47	24.5
E6612791 (9242948)		2.35	2470	4	<1	8.2	105	0.05	8	1.69	38.8	0.40	0.1	49	23.7
E6612792 (9242949)		2.40	145	<2	<1	1.0	<5	0.01	<5	0.24	0.9	0.74	<0.1	<5	4.17
E6612793 (9242950)		3.08	2650	3	<1	8.7	108	0.04	98	1.78	34.3	0.84	3.7	48	21.2
E6612794 (9242951)		2.17	2080	4	<1	8.2	85	0.04	9	1.66	30.3	0.23	<0.1	46	24.0
E6612795 (9242952)		2.34	2380	<2	<1	8.3	105	0.04	8	1.77	37.5	0.39	<0.1	49	23.8
E6612796 (9242953)		2.60	2530	6	<1	8.0	114	0.03	10	1.63	31.5	1.35	<0.1	49	22.1
E6612797 (9242954)		2.45	2420	<2	<1	8.0	102	0.04	14	1.71	35.9	0.61	<0.1	47	22.7
E6612798 (9242955)		2.49	2450	<2	<1	7.9	109	0.04	8	1.60	34.0	0.63	<0.1	47	22.8
E6612799 (9242956)		2.07	2080	4	<1	8.3	96	0.04	7	1.79	29.3	0.60	0.2	49	23.2
E6612800 (9242957)		2.34	2430	2	<1	8.1	91	0.04	<5	1.69	23.9	0.46	<0.1	49	23.5
E6612801 (9242958)		1.98	2160	3	<1	7.5	83	0.04	6	1.61	33.0	0.29	<0.1	47	25.0
E6612802 (9242959)		2.42	2510	<2	<1	7.7	84	0.04	<5	1.66	26.5	0.69	<0.1	48	23.7
E6612803 (9242960)		2.28	2420	4	<1	7.5	105	0.04	<5	1.56	38.7	0.65	<0.1	47	23.5
E6612804 (9242961)		2.07	1990	<2	<1	8.7	72	0.04	11	1.85	47.6	0.37	0.2	46	24.6
E6612805 (9242962)		2.19	2100	3	<1	7.7	90	0.04	10	1.68	55.8	0.33	0.6	46	24.3
E6612806 (9242963)		2.69	501	12	6	32.3	178	0.07	13	9.04	112	1.71	1.3	7	26.9
E6612807 (9242964)		8.16	2060	5	<1	19.7	496	0.14	505	4.62	5.9	0.52	5.5	22	16.0
E6612808 (9242965)		2.11	126	<2	<1	0.8	<5	<0.01	<5	0.21	0.3	0.71	<0.1	<5	3.97
E6612809 (9242966)		4.94	1950	96	<1	13.1	2610	0.03	<5	2.73	3.1	1.34	94.5	33	14.5
E6612810 (9242967)		12.3	1880	5	<1	10.8	625	0.16	988	2.35	3.7	0.39	5.7	23	18.3
E6612811 (9242968)		10.3	2030	12	<1	12.5	982	0.15	1070	2.89	4.7	2.36	7.4	19	16.6
E6612812 (9242969)		2.69	138	<2	<1	0.9	<5	0.01	<5	0.21	0.3	0.71	<0.1	<5	4.80
E6612813 (9242970)		2.92	1830	2	<1	8.0	100	0.05	88	1.73	29.6	0.54	0.7	40	23.6
E6612814 (9242971)		2.26	2110	<2	<1	8.2	85	0.04	6	1.72	36.2	0.31	0.1	46	22.8

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018	DATE RECEIVED: May 15, 2018					DATE REPORTED: Jun 07, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6612815 (9242972)	2.26	2170	4	<1	8.0	90	0.04	14	1.61	34.9	0.30	<0.1	44	22.4	
E6612816 (9242973)	2.16	2200	2	<1	8.1	90	0.03	<5	1.69	35.5	0.49	<0.1	44	21.3	
E6612817 (9242974)	2.96	2140	<2	<1	8.5	153	0.03	16	1.76	68.7	1.78	1.1	48	21.6	
E6612818 (9242975)	2.94	2120	<2	<1	8.5	151	0.04	17	1.79	67.7	1.79	1.1	49	21.5	
E6612819 (9242976)	3.46	2120	2	2	17.5	144	0.09	6	4.06	28.2	0.44	<0.1	41	21.8	
E6612820 (9242977)	3.00	1760	<2	1	16.1	111	0.08	8	3.70	48.4	0.39	0.2	41	22.7	
E6612821 (9242978)	2.77	2040	2	<1	8.2	93	0.04	6	1.68	65.6	0.47	0.4	48	21.9	
E6612822 (9242979)	2.66	1930	<2	<1	8.4	86	0.04	6	1.78	51.1	0.32	0.1	49	22.6	
E6612823 (9242980)	2.79	1920	3	<1	8.7	94	0.04	6	1.88	41.6	0.34	0.2	47	22.4	
E6612824 (9242981)	3.34	1760	<2	<1	9.4	113	0.03	<5	2.09	60.0	0.24	0.2	44	22.2	
E6612825 (9242982)	5.83	1510	<2	5	40.2	243	0.25	11	9.85	7.8	0.15	0.1	22	23.6	
E6612826 (9242983)	2.74	478	12	6	31.4	163	0.07	12	9.04	113	1.67	1.2	7	26.1	
E6612827 (9242984)	6.18	1540	<2	5	41.2	273	0.26	13	10.1	5.6	0.15	0.2	19	23.0	
E6612828 (9242985)	2.17	1820	5	<1	8.7	84	0.04	<5	1.78	57.3	0.29	<0.1	46	23.3	
E6612829 (9242986)	2.20	1990	3	<1	8.2	88	0.04	<5	1.71	64.2	0.36	<0.1	46	23.7	
E6612830 (9242987)	3.06	2180	3	<1	9.4	82	0.03	23	2.11	32.3	0.51	0.2	44	22.3	
E6612831 (9242988)	4.38	2390	3	2	28.6	127	0.11	417	7.19	26.6	0.38	0.2	42	22.0	
E6612832 (9242989)	2.27	134	<2	<1	0.8	<5	<0.01	<5	0.20	0.3	0.74	<0.1	<5	3.83	
E6612833 (9242990)	2.35	2020	2	<1	8.2	71	0.03	12	1.77	52.7	0.37	<0.1	48	23.7	
E6612834 (9242991)	2.39	2290	5	<1	8.1	88	0.04	14	1.69	50.2	0.31	<0.1	47	23.3	
E6612835 (9242992)	2.65	2340	3	<1	10.2	97	0.04	14	2.18	41.8	0.37	0.2	48	22.3	
E6612836 (9242993)	5.19	3010	<2	10	63.6	155	0.25	138	16.2	4.4	0.19	0.2	33	22.1	
E6612837 (9242994)	2.72	2040	2	<1	10.6	99	0.05	67	2.28	46.2	0.49	0.2	46	23.6	
E6612838 (9242995)	2.75	2020	<2	<1	11.8	100	0.05	77	2.65	45.7	0.47	0.2	44	23.5	
E6612839 (9242996)	3.43	1920	3	1	39.4	164	0.11	15	11.0	20.3	0.46	<0.1	32	23.8	
E6612840 (9242997)	2.76	1310	2	4	103	208	0.21	33	29.4	2.8	0.31	<0.1	14	25.8	
E6612841 (9242998)	3.74	1550	<2	4	95.8	88	0.18	15	26.8	2.0	0.13	<0.1	14	25.9	
E6612842 (9242999)	0.62	380	43	<1	5.3	70	0.02	62	1.46	4.7	0.49	<0.1	7	39.8	
E6612843 (9243000)	2.31	1910	6	<1	8.3	98	0.04	16	1.80	56.3	0.85	<0.1	46	23.5	
E6612844 (9243001)	2.16	1830	3	<1	7.9	59	0.04	11	1.66	45.1	0.30	<0.1	42	24.6	
E6612845 (9243002)	2.18	1920	6	<1	7.9	83	0.04	10	1.63	45.3	0.42	0.2	44	23.0	
E6612846 (9243003)	2.60	465	12	6	31.8	161	0.07	12	9.28	118	1.64	1.1	7	25.8	

Certified By:



Certificate of Analysis

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018	DATE RECEIVED: May 15, 2018					DATE REPORTED: Jun 07, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %	
Sample ID (AGAT ID)	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6612847 (9243004)	2.53	2250	4	<1	8.2	87	0.03	6	1.76	40.0	0.48	<0.1	46	21.6	
E6612848 (9243005)	2.46	2580	3	<1	8.6	83	0.04	22	1.74	59.0	0.47	<0.1	47	22.1	
E6612849 (9243006)	2.98	2570	2	<1	8.1	73	0.04	39	1.68	40.9	0.22	<0.1	50	21.2	
E6612850 (9243007)	2.56	2680	4	<1	8.3	80	0.04	28	1.68	37.2	0.49	<0.1	47	21.8	
E6612851 (9243008)	2.39	2110	<2	<1	8.2	74	0.03	30	1.79	17.8	0.22	<0.1	48	22.8	
E6612852 (9243009)	2.56	131	<2	<1	0.9	<5	0.01	<5	0.21	0.4	0.71	<0.1	<5	3.63	
E6612853 (9243010)	1.70	2400	5	<1	5.0	29	0.02	42	1.04	6.7	0.40	0.8	23	25.1	
E6612854 (9243011)	1.68	3450	4	<1	6.6	52	0.03	60	1.35	3.8	0.53	0.5	31	23.0	
E6612855 (9243012)	1.90	2170	4	<1	7.6	29	0.02	31	1.62	6.3	0.27	0.3	46	23.8	
E6612856 (9243013)	2.62	2760	2	<1	7.9	65	0.03	37	1.58	20.3	0.55	0.5	47	21.1	
E6612857 (9243014)	2.31	2140	3	<1	8.2	84	0.04	8	1.64	33.8	0.33	<0.1	45	22.5	
E6612858 (9243015)	2.32	2130	2	<1	8.0	85	0.04	9	1.69	32.2	0.33	<0.1	44	22.5	
E6612859 (9243016)	2.29	2050	3	<1	8.0	81	0.03	7	1.72	33.3	0.32	<0.1	45	22.1	
E6612860 (9243017)	2.08	2040	2	<1	7.8	68	0.04	10	1.69	27.9	0.27	<0.1	44	23.5	
E6612861 (9243018)	2.01	1840	2	<1	8.3	66	0.04	9	1.75	32.6	0.29	<0.1	43	23.7	
E6612862 (9243019)	2.57	2280	3	<1	7.8	88	0.04	40	1.68	36.6	0.40	<0.1	46	22.2	
E6612863 (9243020)	2.24	2150	3	<1	7.8	87	0.04	13	1.68	32.2	0.39	<0.1	45	23.2	
E6612864 (9243021)	2.42	2210	3	<1	8.6	77	0.04	14	1.90	32.3	0.34	<0.1	47	21.7	
E6612865 (9243022)	2.10	2100	<2	<1	8.0	78	0.04	19	1.68	44.2	0.30	<0.1	44	22.5	
E6612866 (9243023)	2.61	471	12	7	31.1	162	0.07	13	9.05	117	1.66	1.3	7	25.6	
E6612867 (9243024)	1.91	2100	2	<1	7.8	52	0.04	8	1.64	32.0	0.35	<0.1	43	23.8	
E6612868 (9243025)	2.05	2270	4	<1	8.0	68	0.04	5	1.69	25.5	0.37	<0.1	45	22.8	
E6612869 (9243026)	2.27	2120	3	<1	8.4	76	0.03	<5	1.72	24.2	0.36	<0.1	47	21.9	
E6612870 (9243027)	2.53	2740	2	<1	9.4	82	0.04	5	1.88	63.8	0.58	<0.1	52	21.5	
E6612871 (9243028)	2.23	1920	4	<1	8.8	78	0.04	8	1.88	24.5	0.56	<0.1	44	23.5	
E6612872 (9243029)	2.22	136	<2	<1	0.9	<5	<0.01	<5	0.21	0.8	0.73	<0.1	<5	2.50	
E6612873 (9243030)	2.62	2030	5	<1	8.1	101	0.04	6	1.64	39.5	0.26	0.3	44	21.6	
E6612874 (9243031)	2.00	1680	2	<1	8.4	69	0.04	7	1.76	43.7	0.24	<0.1	43	23.1	
E6612875 (9243032)	2.12	2010	<2	<1	8.2	71	0.04	6	1.70	37.9	0.44	<0.1	47	22.7	
E6612876 (9243033)	2.31	2250	<2	<1	8.8	77	0.04	6	1.86	47.7	0.51	<0.1	46	22.3	
E6612877 (9243034)	2.35	1690	<2	4	37.5	51	0.24	11	9.82	31.2	0.38	<0.1	24	25.3	
E6612878 (9243035)	2.34	1700	<2	4	37.7	44	0.23	9	9.74	30.4	0.38	<0.1	24	25.4	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Certified By:



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

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SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6612783 (9242940)	0.3	<1	72.7	<0.5	0.05	0.1	<0.01	<0.5	<0.05	0.14	<5	<1	2.8	0.2
E6612784 (9242941)	2.7	<1	147	<0.5	0.65	0.6	0.69	0.9	0.41	0.09	340	<1	21.6	2.6
E6612785 (9242942)	2.9	<1	141	<0.5	0.71	0.5	0.70	0.8	0.40	0.27	332	<1	22.6	2.5
E6612786 (9242943)	9.1	<1	12.2	<0.5	2.22	0.8	0.21	0.7	0.84	21.2	160	<1	65.6	4.9
E6612787 (9242944)	2.6	<1	152	<0.5	0.63	0.5	0.66	0.8	0.40	0.08	329	<1	21.6	2.6
E6612788 (9242945)	2.4	<1	119	<0.5	0.61	0.5	0.65	0.8	0.36	0.10	309	<1	20.2	2.4
E6612789 (9242946)	2.4	<1	113	<0.5	0.60	0.4	0.63	0.8	0.40	0.08	314	<1	20.6	2.6
E6612790 (9242947)	2.6	<1	159	1.5	0.63	0.5	0.72	0.7	0.37	0.10	330	<1	20.8	2.5
E6612791 (9242948)	2.4	<1	137	<0.5	0.67	0.5	0.69	0.7	0.42	0.08	340	<1	23.5	2.6
E6612792 (9242949)	0.2	<1	69.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.8	0.2
E6612793 (9242950)	2.6	<1	118	<0.5	0.61	0.4	0.64	0.6	0.37	0.11	324	<1	20.8	2.4
E6612794 (9242951)	2.5	<1	140	<0.5	0.61	0.5	0.69	0.6	0.37	0.08	318	<1	21.3	2.4
E6612795 (9242952)	2.6	<1	137	<0.5	0.66	0.5	0.69	0.6	0.40	0.11	337	<1	22.0	2.8
E6612796 (9242953)	2.5	<1	139	<0.5	0.64	0.4	0.63	0.7	0.42	0.09	337	<1	22.8	2.9
E6612797 (9242954)	2.4	<1	129	<0.5	0.61	0.4	0.66	0.6	0.39	0.10	326	<1	21.9	2.6
E6612798 (9242955)	2.5	<1	134	<0.5	0.61	0.4	0.66	0.6	0.38	0.09	327	<1	21.0	2.6
E6612799 (9242956)	2.7	<1	158	<0.5	0.65	0.4	0.69	0.5	0.42	0.09	331	<1	23.6	2.6
E6612800 (9242957)	2.6	<1	144	<0.5	0.64	0.5	0.67	0.6	0.38	0.11	338	<1	21.9	2.6
E6612801 (9242958)	2.3	<1	139	<0.5	0.58	0.4	0.71	0.6	0.37	0.09	330	<1	20.6	2.4
E6612802 (9242959)	2.4	<1	143	<0.5	0.63	0.7	0.67	0.7	0.42	0.11	331	<1	22.6	2.7
E6612803 (9242960)	2.4	<1	127	<0.5	0.62	0.6	0.68	1.0	0.36	0.10	332	<1	21.3	2.6
E6612804 (9242961)	2.9	<1	127	<0.5	0.65	0.5	0.68	0.9	0.37	0.12	314	<1	20.8	2.4
E6612805 (9242962)	2.5	<1	167	<0.5	0.62	0.5	0.71	0.8	0.36	0.11	332	<1	20.8	2.4
E6612806 (9242963)	5.5	<1	28.5	<0.5	0.62	11.3	0.25	1.3	0.29	7.03	63	2	17.4	1.9
E6612807 (9242964)	4.9	<1	52.2	<0.5	0.73	1.4	0.31	0.6	0.23	0.65	165	<1	19.2	1.4
E6612808 (9242965)	0.2	<1	69.6	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.15	<5	<1	2.2	0.1
E6612809 (9242966)	4.9	<1	67.7	<0.5	1.27	0.5	0.21	<0.5	0.59	11.9	163	<1	39.5	3.7
E6612810 (9242967)	2.8	<1	67.4	<0.5	0.45	1.6	0.27	0.7	0.18	0.63	133	<1	12.9	1.1
E6612811 (9242968)	3.1	<1	59.7	<0.5	0.42	1.5	0.22	1.2	0.15	0.52	117	<1	11.8	1.0
E6612812 (9242969)	0.2	<1	66.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.14	<5	<1	2.1	0.1
E6612813 (9242970)	2.4	<1	202	<0.5	0.58	0.5	0.64	0.7	0.35	0.15	281	<1	18.8	2.3
E6612814 (9242971)	2.5	<1	155	<0.5	0.63	0.5	0.66	0.5	0.41	0.10	323	<1	22.5	2.7

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

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SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6612815 (9242972)	2.5	<1	153	<0.5	0.65	0.5	0.64	0.5	0.39	0.11	310	<1	22.5	2.6
E6612816 (9242973)	2.5	<1	137	<0.5	0.67	0.4	0.62	0.6	0.42	0.10	309	<1	23.9	2.9
E6612817 (9242974)	2.5	<1	164	<0.5	0.60	0.4	0.63	1.3	0.41	0.13	334	1	22.2	2.9
E6612818 (9242975)	2.5	<1	162	<0.5	0.65	0.4	0.63	1.4	0.45	0.14	337	<1	22.5	3.0
E6612819 (9242976)	4.2	<1	144	<0.5	0.82	1.2	0.67	0.5	0.42	0.28	287	<1	23.7	2.7
E6612820 (9242977)	3.8	<1	166	<0.5	0.70	1.0	0.69	0.7	0.38	0.27	294	<1	22.3	2.4
E6612821 (9242978)	2.6	<1	188	<0.5	0.64	0.4	0.64	0.8	0.40	0.12	332	<1	23.5	2.7
E6612822 (9242979)	2.6	<1	173	<0.5	0.67	0.7	0.66	0.6	0.42	0.13	339	<1	24.1	2.8
E6612823 (9242980)	2.5	<1	211	<0.5	0.64	0.5	0.65	0.7	0.40	0.12	334	<1	23.5	2.7
E6612824 (9242981)	2.7	<1	200	<0.5	0.63	0.5	0.61	0.7	0.40	0.15	314	<1	22.1	2.6
E6612825 (9242982)	8.3	<1	105	<0.5	0.97	3.8	0.66	<0.5	0.29	1.03	171	<1	21.0	1.8
E6612826 (9242983)	5.6	2	29.8	<0.5	0.64	11.2	0.24	1.1	0.31	6.97	60	2	17.7	2.0
E6612827 (9242984)	8.4	<1	90.7	<0.5	0.94	4.0	0.64	<0.5	0.27	1.02	160	<1	19.6	1.6
E6612828 (9242985)	2.6	<1	178	<0.5	0.65	0.6	0.67	0.6	0.38	0.11	315	<1	22.9	2.6
E6612829 (9242986)	2.7	<1	204	<0.5	0.59	0.5	0.66	0.7	0.38	0.12	318	<1	21.9	2.5
E6612830 (9242987)	2.8	<1	184	<0.5	0.63	0.5	0.61	0.6	0.38	0.17	295	<1	21.8	2.6
E6612831 (9242988)	5.7	<1	209	<0.5	0.81	2.8	0.57	<0.5	0.37	0.44	273	<1	22.1	2.3
E6612832 (9242989)	0.1	<1	71.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.29	<5	<1	2.0	0.1
E6612833 (9242990)	2.6	<1	188	<0.5	0.61	0.5	0.68	0.6	0.39	0.12	320	<1	22.7	2.5
E6612834 (9242991)	2.5	<1	222	<0.5	0.64	0.4	0.66	0.6	0.40	0.14	325	<1	22.3	2.6
E6612835 (9242992)	3.0	<1	197	<0.5	0.68	0.4	0.66	0.5	0.43	0.17	332	<1	24.8	2.9
E6612836 (9242993)	11.6	<1	97.3	<0.5	1.24	6.7	0.54	<0.5	0.34	1.13	235	<1	24.5	2.1
E6612837 (9242994)	2.8	<1	184	<0.5	0.63	0.7	0.67	<0.5	0.38	0.19	317	<1	21.7	2.5
E6612838 (9242995)	3.1	<1	184	<0.5	0.66	0.8	0.66	<0.5	0.37	0.21	306	<1	21.7	2.4
E6612839 (9242996)	6.4	<1	112	<0.5	0.71	7.7	0.56	<0.5	0.27	1.27	230	<1	17.6	1.8
E6612840 (9242997)	14.2	<1	82.6	<0.5	1.03	19.3	0.47	<0.5	0.22	3.31	120	<1	16.4	1.4
E6612841 (9242998)	14.7	<1	48.6	<0.5	1.14	18.1	0.44	<0.5	0.22	3.07	125	<1	17.6	1.4
E6612842 (9242999)	0.9	<1	11.8	<0.5	0.11	0.8	0.11	<0.5	<0.05	0.21	40	<1	3.0	0.3
E6612843 (9243000)	2.5	<1	178	<0.5	0.61	0.6	0.65	0.6	0.39	0.15	323	<1	23.1	2.6
E6612844 (9243001)	2.3	<1	138	<0.5	0.56	0.5	0.68	0.6	0.34	0.11	292	<1	20.4	2.3
E6612845 (9243002)	2.5	<1	173	<0.5	0.59	0.5	0.64	0.5	0.39	0.10	301	<1	21.8	2.5
E6612846 (9243003)	5.6	<1	28.7	<0.5	0.63	11.1	0.23	1.0	0.29	7.03	59	1	18.2	2.0

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6612847 (9243004)	2.5	<1	157	<0.5	0.64	0.7	0.62	<0.5	0.44	0.10	315	1	23.7	2.8
E6612848 (9243005)	2.5	<1	128	<0.5	0.64	0.5	0.65	0.7	0.41	0.09	320	<1	22.9	2.6
E6612849 (9243006)	2.5	<1	112	<0.5	0.63	0.6	0.71	<0.5	0.40	0.11	331	<1	22.6	2.6
E6612850 (9243007)	2.4	<1	127	<0.5	0.62	0.5	0.63	<0.5	0.38	0.11	312	76	22.3	2.6
E6612851 (9243008)	2.7	<1	93.6	<0.5	0.68	0.5	0.69	<0.5	0.39	0.12	266	8	23.1	2.5
E6612852 (9243009)	0.2	<1	68.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.17	<5	<1	2.3	0.1
E6612853 (9243010)	1.6	<1	211	<0.5	0.44	0.1	0.10	<0.5	0.29	0.10	293	4	20.4	1.9
E6612854 (9243011)	1.8	<1	234	<0.5	0.52	0.2	0.32	<0.5	0.36	0.11	316	121	21.1	2.4
E6612855 (9243012)	2.4	<1	193	<0.5	0.60	0.3	0.45	<0.5	0.40	0.13	276	3	23.4	2.5
E6612856 (9243013)	2.5	<1	153	<0.5	0.59	0.3	0.51	<0.5	0.40	0.11	315	4	22.9	2.6
E6612857 (9243014)	2.6	<1	123	<0.5	0.61	0.4	0.65	<0.5	0.40	0.10	312	<1	22.6	2.6
E6612858 (9243015)	2.4	<1	122	<0.5	0.61	0.5	0.65	<0.5	0.40	0.10	310	<1	22.3	2.6
E6612859 (9243016)	2.5	<1	123	<0.5	0.63	0.4	0.64	<0.5	0.41	0.10	312	<1	22.9	2.7
E6612860 (9243017)	2.4	<1	120	<0.5	0.61	0.4	0.64	<0.5	0.36	0.10	299	<1	20.8	2.4
E6612861 (9243018)	2.6	<1	123	<0.5	0.63	0.4	0.65	<0.5	0.38	0.10	291	<1	22.0	2.4
E6612862 (9243019)	2.5	<1	134	<0.5	0.60	0.4	0.64	<0.5	0.39	0.12	326	<1	23.3	2.7
E6612863 (9243020)	2.4	<1	130	<0.5	0.61	0.8	0.65	<0.5	0.40	0.11	320	<1	22.0	2.5
E6612864 (9243021)	2.6	<1	136	<0.5	0.68	0.7	0.61	<0.5	0.44	0.14	327	<1	24.3	2.8
E6612865 (9243022)	2.5	<1	143	<0.5	0.62	0.5	0.65	<0.5	0.38	0.10	308	<1	21.9	2.5
E6612866 (9243023)	5.1	1	28.4	<0.5	0.62	11.1	0.23	1.0	0.30	7.04	59	2	18.0	1.9
E6612867 (9243024)	2.5	<1	157	<0.5	0.60	0.7	0.64	<0.5	0.35	0.10	299	<1	21.5	2.3
E6612868 (9243025)	2.4	<1	153	<0.5	0.62	0.4	0.62	<0.5	0.40	0.10	317	<1	23.0	2.6
E6612869 (9243026)	2.5	<1	148	<0.5	0.64	0.5	0.63	<0.5	0.41	0.11	322	<1	23.9	2.7
E6612870 (9243027)	2.7	<1	119	<0.5	0.66	0.5	0.67	0.7	0.43	0.11	309	<1	23.0	2.6
E6612871 (9243028)	2.7	<1	144	<0.5	0.63	0.5	0.67	<0.5	0.40	0.19	285	<1	22.9	2.6
E6612872 (9243029)	0.2	<1	69.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.07	<5	<1	2.5	0.1
E6612873 (9243030)	2.4	<1	217	<0.5	0.61	0.5	0.62	<0.5	0.41	0.11	302	<1	23.2	2.6
E6612874 (9243031)	2.6	<1	169	<0.5	0.58	0.5	0.65	<0.5	0.38	0.11	302	<1	20.9	2.4
E6612875 (9243032)	2.5	<1	166	<0.5	0.62	0.5	0.64	<0.5	0.38	0.10	314	<1	23.0	2.6
E6612876 (9243033)	2.6	<1	181	<0.5	0.61	0.5	0.63	<0.5	0.38	0.11	313	<1	24.1	2.8
E6612877 (9243034)	7.6	<1	189	<0.5	0.96	6.8	0.46	<0.5	0.35	2.28	188	<1	23.2	2.2
E6612878 (9243035)	7.8	<1	191	<0.5	0.94	6.5	0.47	<0.5	0.33	2.17	187	<1	23.1	2.2

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6612783 (9242940)		7	7.0
E6612784 (9242941)		227	54.7
E6612785 (9242942)		105	55.7
E6612786 (9242943)		49	28.4
E6612787 (9242944)		90	53.6
E6612788 (9242945)		84	52.6
E6612789 (9242946)		89	50.9
E6612790 (9242947)		88	59.0
E6612791 (9242948)		111	59.5
E6612792 (9242949)		<5	3.5
E6612793 (9242950)		277	54.6
E6612794 (9242951)		99	59.6
E6612795 (9242952)		96	57.4
E6612796 (9242953)		107	66.9
E6612797 (9242954)		97	56.4
E6612798 (9242955)		97	55.4
E6612799 (9242956)		74	58.7
E6612800 (9242957)		97	57.6
E6612801 (9242958)		101	57.3
E6612802 (9242959)		95	56.9
E6612803 (9242960)		91	57.4
E6612804 (9242961)		118	55.3
E6612805 (9242962)		86	58.0
E6612806 (9242963)		9	156
E6612807 (9242964)		1060	47.7
E6612808 (9242965)		<5	2.2
E6612809 (9242966)		65	25.0
E6612810 (9242967)		1500	39.8
E6612811 (9242968)		3930	33.3
E6612812 (9242969)		10	2.2
E6612813 (9242970)		164	53.0
E6612814 (9242971)		100	58.9

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018 DATE RECEIVED: May 15, 2018 DATE REPORTED: Jun 07, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6612815 (9242972)		86	59.3
E6612816 (9242973)		93	59.3
E6612817 (9242974)		76	56.9
E6612818 (9242975)		76	54.5
E6612819 (9242976)		98	78.8
E6612820 (9242977)		91	75.2
E6612821 (9242978)		92	58.0
E6612822 (9242979)		86	60.2
E6612823 (9242980)		85	58.6
E6612824 (9242981)		85	56.4
E6612825 (9242982)		91	152
E6612826 (9242983)		10	157
E6612827 (9242984)		99	147
E6612828 (9242985)		85	60.3
E6612829 (9242986)		86	59.5
E6612830 (9242987)		106	56.6
E6612831 (9242988)		481	77.4
E6612832 (9242989)		5	2.7
E6612833 (9242990)		114	60.8
E6612834 (9242991)		135	58.9
E6612835 (9242992)		114	57.7
E6612836 (9242993)		453	124
E6612837 (9242994)		382	62.8
E6612838 (9242995)		400	66.6
E6612839 (9242996)		93	89.2
E6612840 (9242997)		54	144
E6612841 (9242998)		52	135
E6612842 (9242999)		1640	15.6
E6612843 (9243000)		426	58.8
E6612844 (9243001)		326	62.6
E6612845 (9243002)		89	59.7
E6612846 (9243003)		11	158

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6612847 (9243004)		97	60.4
E6612848 (9243005)		169	60.3
E6612849 (9243006)		204	65.6
E6612850 (9243007)		230	57.8
E6612851 (9243008)		152	64.6
E6612852 (9243009)		7	2.7
E6612853 (9243010)		142	9.1
E6612854 (9243011)		194	29.0
E6612855 (9243012)		103	43.0
E6612856 (9243013)		131	50.3
E6612857 (9243014)		91	61.6
E6612858 (9243015)		90	60.9
E6612859 (9243016)		94	61.2
E6612860 (9243017)		84	60.4
E6612861 (9243018)		90	61.4
E6612862 (9243019)		270	60.3
E6612863 (9243020)		92	58.8
E6612864 (9243021)		87	61.1
E6612865 (9243022)		86	62.0
E6612866 (9243023)		13	159
E6612867 (9243024)		72	61.8
E6612868 (9243025)		87	59.4
E6612869 (9243026)		92	58.9
E6612870 (9243027)		85	64.3
E6612871 (9243028)		100	64.0
E6612872 (9243029)		<5	2.9
E6612873 (9243030)		92	59.3
E6612874 (9243031)		78	61.0
E6612875 (9243032)		84	60.8
E6612876 (9243033)		103	62.5
E6612877 (9243034)		126	137
E6612878 (9243035)		119	136

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AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 07, 2018

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 14, 2018 DATE RECEIVED: May 15, 2018 DATE REPORTED: Jun 07, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6612784 (9242941)		72
E6612785 (9242942)		76
E6612787 (9242944)		68
E6612788 (9242945)		80
E6612789 (9242946)		84
E6612799 (9242956)		76
E6612800 (9242957)		4
E6612803 (9242960)		82
E6612813 (9242970)		86
E6612823 (9242980)		84
E6612833 (9242990)		74
E6612834 (9242991)		78
E6612835 (9242992)		80
E6612843 (9243000)		83
E6612847 (9243004)		62
E6612848 (9243005)		76
E6612849 (9243006)		85
E6612850 (9243007)		84
E6612851 (9243008)		78
E6612853 (9243010)		81
E6612863 (9243020)		83

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9242940	< 1	< 1	0.0%	9242951	< 1	< 1	0.0%	9242964	4	4	0.0%	9242965	< 1	< 1	0.0%
Al	9242940	0.06	0.06	0.0%	9242951	9.12	9.57	4.8%	9242964	4.68	4.80	2.5%	9242965	0.062	0.066	6.3%
As	9242940	< 5	< 5	0.0%	9242951	20	20	0.0%	9242964	911	914	0.3%	9242965	7	< 5	
B	9242940	< 20	< 20	0.0%	9242951	< 20	21		9242964	< 20	< 20	0.0%	9242965	< 20	< 20	0.0%
Ba	9242940	15.8	15.0	5.2%	9242951	146	148	1.4%	9242964	22.5	23.1	2.6%	9242965	11.6	13.2	12.9%
Be	9242940	< 5	< 5	0.0%	9242951	< 5	< 5	0.0%	9242964	< 5	< 5	0.0%	9242965	< 5	< 5	0.0%
Bi	9242940	< 0.1	< 0.1	0.0%	9242951	1.4	1.3	7.4%	9242964	28.9	21.9	27.6%	9242965	0.9	0.6	
Ca	9242940	35.6	35.7	0.3%	9242951	6.72	7.06	4.9%	9242964	11.7	11.8	0.9%	9242965	33.0	33.4	1.2%
Cd	9242940	< 0.2	< 0.2	0.0%	9242951	< 0.2	< 0.2	0.0%	9242964	3.1	3.0	3.3%	9242965	< 0.2	< 0.2	0.0%
Ce	9242940	1.9	1.6	17.1%	9242951	10.9	11.0	0.9%	9242964	34.6	33.9	2.0%	9242965	1.01	0.94	7.2%
Co	9242940	0.8	0.8	0.0%	9242951	51.2	49.6	3.2%	9242964	252	252	0.0%	9242965	1.1	1.1	0.0%
Cr	9242940	< 0.005	< 0.005	0.0%	9242951	0.026	0.026	0.0%	9242964	0.182	0.187	2.7%	9242965	< 0.005	< 0.005	0.0%
Cs	9242940	< 0.1	< 0.1	0.0%	9242951	0.64	0.67	4.6%	9242964	1.3	1.3	0.0%	9242965	< 0.1	< 0.1	0.0%
Cu	9242940	5	5	0.0%	9242951	69	71	2.9%	9242964	884	894	1.1%	9242965	6	7	15.4%
Dy	9242940	0.35	0.30	15.4%	9242951	4.00	3.91	2.3%	9242964	3.75	3.67	2.2%	9242965	0.22	0.22	0.0%
Er	9242940	0.22	0.19	14.6%	9242951	2.47	2.41	2.5%	9242964	1.69	1.73	2.3%	9242965	0.14	0.13	7.4%
Eu	9242940	< 0.05	< 0.05	0.0%	9242951	0.812	0.872	7.1%	9242964	0.63	0.63	0.0%	9242965	< 0.05	< 0.05	0.0%
Fe	9242940	0.09	0.09	0.0%	9242951	7.23	7.64	5.5%	9242964	6.62	6.77	2.2%	9242965	0.093	0.101	8.2%
Ga	9242940	0.43	0.38	12.3%	9242951	18.9	17.8	6.0%	9242964	13.5	12.9	4.5%	9242965	0.170	0.209	20.6%
Gd	9242940	0.34	0.29	15.9%	9242951	3.57	3.65	2.2%	9242964	5.64	5.53	2.0%	9242965	0.28	0.24	15.4%
Ge	9242940	< 1	< 1	0.0%	9242951	2	1		9242964	1	1	0.0%	9242965	< 1	< 1	0.0%
Hf	9242940	< 1	< 1	0.0%	9242951	2	2	0.0%	9242964	1	1	0.0%	9242965	< 1	< 1	0.0%
Ho	9242940	0.07	< 0.05		9242951	0.854	0.866	1.4%	9242964	0.708	0.715	1.0%	9242965	< 0.05	< 0.05	0.0%
In	9242940	< 0.2	< 0.2	0.0%	9242951	< 0.2	< 0.2	0.0%	9242964	0.3	0.3	0.0%	9242965	< 0.2	< 0.2	0.0%
K	9242940	< 0.05	< 0.05	0.0%	9242951	0.621	0.669	7.4%	9242964	0.10	0.10	0.0%	9242965	< 0.05	< 0.05	0.0%
La	9242940	1.66	1.44	14.2%	9242951	4.16	4.14	0.5%	9242964	15.8	15.5	1.9%	9242965	1.2	1.2	0.0%
Li	9242940	< 10	< 10	0.0%	9242951	16	16	0.0%	9242964	57	56	1.8%	9242965	< 10	< 10	0.0%
Lu	9242940	< 0.05	< 0.05	0.0%	9242951	0.37	0.36	2.7%	9242964	0.193	0.200	3.6%	9242965	< 0.05	< 0.05	0.0%
Mg	9242940	1.91	1.90	0.5%	9242951	2.17	2.16	0.5%	9242964	8.16	8.54	4.6%	9242965	2.11	2.20	4.2%
Mn	9242940	132	131	0.8%	9242951	2080	2110	1.4%	9242964	2060	2050	0.5%	9242965	126	130	3.1%
Mo	9242940	< 2	< 2	0.0%	9242951	4	3	28.6%	9242964	5	5	0.0%	9242965	< 2	< 2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9242940	< 1	< 1	0.0%	9242951	< 1	< 1	0.0%	9242964	< 1	< 1	0.0%	9242965	< 1	< 1	0.0%
Nd	9242940	1.3	1.1	16.7%	9242951	8.2	8.2	0.0%	9242964	19.7	19.4	1.5%	9242965	0.82	0.85	3.6%
Ni	9242940	< 5	< 5	0.0%	9242951	85	85	0.0%	9242964	496	511	3.0%	9242965	< 5	< 5	0.0%
P	9242940	< 0.01	0.01		9242951	0.04	0.04	0.0%	9242964	0.14	0.14	0.0%	9242965	< 0.01	0.01	
Pb	9242940	< 5	< 5	0.0%	9242951	9	8	11.8%	9242964	505	508	0.6%	9242965	< 5	< 5	0.0%
Pr	9242940	0.33	0.28	16.4%	9242951	1.66	1.72	3.6%	9242964	4.62	4.62	0.0%	9242965	0.21	0.21	0.0%
Rb	9242940	0.6	0.5	18.2%	9242951	30.3	30.2	0.3%	9242964	5.87	5.61	4.5%	9242965	0.31	0.37	17.6%
S	9242940	0.74	0.71	4.1%	9242951	0.23	0.23	0.0%	9242964	0.524	0.541	3.2%	9242965	0.71	0.72	1.4%
Sb	9242940	< 0.1	< 0.1	0.0%	9242951	< 0.1	< 0.1	0.0%	9242964	5.5	5.5	0.0%	9242965	< 0.1	< 0.1	0.0%
Sc	9242940	< 5	< 5	0.0%	9242951	46	46	0.0%	9242964	22	22	0.0%	9242965	< 5	< 5	0.0%
Si	9242940	3.57	3.45	3.4%	9242951	24.0	25.5	6.1%	9242964	16.0	16.4	2.5%	9242965	3.97	4.10	3.2%
Sm	9242940	0.3	0.2		9242951	2.5	2.5	0.0%	9242964	4.92	5.02	2.0%	9242965	0.2	0.2	0.0%
Sn	9242940	< 1	< 1	0.0%	9242951	< 1	< 1	0.0%	9242964	< 1	< 1	0.0%	9242965	< 1	< 1	0.0%
Sr	9242940	72.7	73.0	0.4%	9242951	140	145	3.5%	9242964	52.2	54.6	4.5%	9242965	69.6	69.4	0.3%
Ta	9242940	< 0.5	< 0.5	0.0%	9242951	< 0.5	< 0.5	0.0%	9242964	< 0.5	0.9		9242965	< 0.5	< 0.5	0.0%
Tb	9242940	0.05	< 0.05		9242951	0.61	0.61	0.0%	9242964	0.728	0.736	1.1%	9242965	< 0.05	< 0.05	0.0%
Th	9242940	0.1	< 0.1		9242951	0.47	0.45	4.3%	9242964	1.4	1.3	7.4%	9242965	0.1	< 0.1	
Ti	9242940	< 0.01	< 0.01	0.0%	9242951	0.69	0.72	4.3%	9242964	0.313	0.322	2.8%	9242965	< 0.01	< 0.01	0.0%
Tl	9242940	< 0.5	< 0.5	0.0%	9242951	0.6	0.6	0.0%	9242964	0.6	0.6	0.0%	9242965	< 0.5	< 0.5	0.0%
Tm	9242940	< 0.05	< 0.05	0.0%	9242951	0.37	0.37	0.0%	9242964	0.229	0.220	4.0%	9242965	< 0.05	< 0.05	0.0%
U	9242940	0.14	0.12	15.4%	9242951	0.080	0.087	8.4%	9242964	0.648	0.666	2.7%	9242965	0.147	0.134	9.3%
V	9242940	< 5	< 5	0.0%	9242951	318	323	1.6%	9242964	165	169	2.4%	9242965	< 5	< 5	0.0%
W	9242940	< 1	< 1	0.0%	9242951	< 1	< 1	0.0%	9242964	< 1	< 1	0.0%	9242965	< 1	< 1	0.0%
Y	9242940	2.8	2.2	24.0%	9242951	21.3	21.4	0.5%	9242964	19.2	18.9	1.6%	9242965	2.18	2.13	2.3%
Yb	9242940	0.2	0.1		9242951	2.4	2.4	0.0%	9242964	1.4	1.4	0.0%	9242965	0.1	0.1	0.0%
Zn	9242940	7	5		9242951	99	102	3.0%	9242964	1060	1070	0.9%	9242965	< 5	8	
Zr	9242940	7.0	6.7	4.4%	9242951	59.6	58.8	1.4%	9242964	47.7	40.2	17.1%	9242965	2.2	1.8	20.0%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9242975	< 1	< 1	0.0%	9242987	< 1	< 1	0.0%	9242990	< 1	< 1	0.0%	9242999	< 1	< 1	0.0%
Al	9242975	8.09	8.04	0.6%	9242987	7.91	7.91	0.0%	9242990	8.95	9.00	0.6%	9242999	1.54	1.57	1.9%
As	9242975	17	19	11.1%	9242987	< 5	< 5	0.0%	9242990	< 5	7		9242999	11	13	16.7%
B	9242975	22	22	0.0%	9242987	21	22	4.7%	9242990	24	24	0.0%	9242999	< 20	< 20	0.0%
Ba	9242975	300	293	2.4%	9242987	410	407	0.7%	9242990	397	392	1.3%	9242999	28.8	28.1	2.5%



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Be	9242975	< 5	< 5	0.0%	9242987	< 5	< 5	0.0%	9242990	< 5	< 5	0.0%	9242999	< 5	< 5	0.0%
Bi	9242975	0.8	0.8	0.0%	9242987	0.2	0.1		9242990	0.2	0.2	0.0%	9242999	0.5	0.5	0.0%
Ca	9242975	5.82	5.89	1.2%	9242987	6.28	6.07	3.4%	9242990	5.97	5.98	0.2%	9242999	1.18	1.21	2.5%
Cd	9242975	< 0.2	< 0.2	0.0%	9242987	< 0.2	< 0.2	0.0%	9242990	< 0.2	< 0.2	0.0%	9242999	5.24	5.14	1.9%
Ce	9242975	12.0	11.8	1.7%	9242987	15.0	14.5	3.4%	9242990	11.9	12.4	4.1%	9242999	12.6	12.3	2.4%
Co	9242975	109	113	3.6%	9242987	50.9	49.7	2.4%	9242990	48.7	50.4	3.4%	9242999	26.7	26.5	0.8%
Cr	9242975	0.022	0.022	0.0%	9242987	0.021	0.021	0.0%	9242990	0.0248	0.0243	2.0%	9242999	0.0351	0.0356	1.4%
Cs	9242975	3.8	3.8	0.0%	9242987	0.4	0.4	0.0%	9242990	1.2	1.2	0.0%	9242999	0.15	0.15	0.0%
Cu	9242975	291	291	0.0%	9242987	208	206	1.0%	9242990	97	95	2.1%	9242999	313	311	0.6%
Dy	9242975	4.15	4.22	1.7%	9242987	4.01	3.95	1.5%	9242990	4.19	4.10	2.2%	9242999	0.63	0.65	3.1%
Er	9242975	2.80	2.93	4.5%	9242987	2.66	2.58	3.1%	9242990	2.71	2.59	4.5%	9242999	0.35	0.33	5.9%
Eu	9242975	1.04	1.06	1.9%	9242987	0.996	0.971	2.5%	9242990	0.84	0.93	10.2%	9242999	0.257	0.229	11.5%
Fe	9242975	10.7	10.8	0.9%	9242987	8.79	8.80	0.1%	9242990	7.56	7.57	0.1%	9242999	2.18	2.25	3.2%
Ga	9242975	18.3	18.7	2.2%	9242987	17.2	17.2	0.0%	9242990	19.6	19.5	0.5%	9242999	3.43	3.31	3.6%
Gd	9242975	3.82	3.55	7.3%	9242987	3.72	3.48	6.7%	9242990	3.57	3.74	4.7%	9242999	0.789	0.836	5.8%
Ge	9242975	2	2	0.0%	9242987	2	1		9242990	2	1		9242999	< 1	< 1	0.0%
Hf	9242975	2	2	0.0%	9242987	2	2	0.0%	9242990	2	2	0.0%	9242999	< 1	< 1	0.0%
Ho	9242975	0.96	0.94	2.1%	9242987	0.89	0.87	2.3%	9242990	0.91	0.94	3.2%	9242999	0.11	0.11	0.0%
In	9242975	< 0.2	< 0.2	0.0%	9242987	< 0.2	< 0.2	0.0%	9242990	< 0.2	< 0.2	0.0%	9242999	< 0.2	< 0.2	0.0%
K	9242975	0.96	0.96	0.0%	9242987	0.813	0.828	1.8%	9242990	1.03	1.01	2.0%	9242999	0.13	0.13	0.0%
La	9242975	4.8	4.8	0.0%	9242987	6.57	6.40	2.6%	9242990	4.93	5.21	5.5%	9242999	6.45	6.26	3.0%
Li	9242975	23	23	0.0%	9242987	17	18	5.7%	9242990	20	20	0.0%	9242999	< 10	< 10	0.0%
Lu	9242975	0.443	0.457	3.1%	9242987	0.383	0.375	2.1%	9242990	0.378	0.395	4.4%	9242999	< 0.05	< 0.05	0.0%
Mg	9242975	2.94	2.90	1.4%	9242987	3.06	3.06	0.0%	9242990	2.35	2.35	0.0%	9242999	0.62	0.62	0.0%
Mn	9242975	2120	2140	0.9%	9242987	2180	2150	1.4%	9242990	2020	2010	0.5%	9242999	380	378	0.5%
Mo	9242975	< 2	< 2	0.0%	9242987	3	3	0.0%	9242990	2	3		9242999	43	43	0.0%
Nb	9242975	< 1	< 1	0.0%	9242987	< 1	< 1	0.0%	9242990	< 1	< 1	0.0%	9242999	< 1	< 1	0.0%
Nd	9242975	8.46	8.43	0.4%	9242987	9.4	9.0	4.3%	9242990	8.25	8.59	4.0%	9242999	5.3	5.3	0.0%
Ni	9242975	151	149	1.3%	9242987	82	79	3.7%	9242990	71	71	0.0%	9242999	70	71	1.4%
P	9242975	0.037	0.032	14.5%	9242987	0.034	0.036	5.7%	9242990	0.035	0.039	10.8%	9242999	0.02	0.02	0.0%
Pb	9242975	17	16	6.1%	9242987	23	23	0.0%	9242990	12	13	8.0%	9242999	62	60	3.3%
Pr	9242975	1.79	1.75	2.3%	9242987	2.11	2.02	4.4%	9242990	1.77	1.88	6.0%	9242999	1.46	1.47	0.7%
Rb	9242975	67.7	67.9	0.3%	9242987	32.3	31.4	2.8%	9242990	52.7	54.1	2.6%	9242999	4.7	4.5	4.3%
S	9242975	1.79	1.76	1.7%	9242987	0.51	0.50	2.0%	9242990	0.372	0.379	1.9%	9242999	0.49	0.49	0.0%



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Sb	9242975	1.1	1.1	0.0%	9242987	0.2	0.2	0.0%	9242990	< 0.1	< 0.1	0.0%	9242999	< 0.1	< 0.1	0.0%
Sc	9242975	49	48	2.1%	9242987	44	44	0.0%	9242990	48	47	2.1%	9242999	7	7	0.0%
Si	9242975	21.5	21.5	0.0%	9242987	22.3	22.4	0.4%	9242990	23.7	23.8	0.4%	9242999	39.8	40.2	1.0%
Sm	9242975	2.52	2.43	3.6%	9242987	2.8	2.5	11.3%	9242990	2.6	2.6	0.0%	9242999	0.9	0.9	0.0%
Sn	9242975	< 1	< 1	0.0%	9242987	< 1	< 1	0.0%	9242990	< 1	< 1	0.0%	9242999	< 1	< 1	0.0%
Sr	9242975	162	165	1.8%	9242987	184	178	3.3%	9242990	188	188	0.0%	9242999	11.8	12.4	5.0%
Ta	9242975	< 0.5	< 0.5	0.0%	9242987	< 0.5	< 0.5	0.0%	9242990	< 0.5	< 0.5	0.0%	9242999	< 0.5	< 0.5	0.0%
Tb	9242975	0.649	0.623	4.1%	9242987	0.626	0.600	4.2%	9242990	0.614	0.628	2.3%	9242999	0.11	0.11	0.0%
Th	9242975	0.4	0.4	0.0%	9242987	0.5	0.5	0.0%	9242990	0.5	0.5	0.0%	9242999	0.79	0.70	12.1%
Ti	9242975	0.63	0.63	0.0%	9242987	0.61	0.61	0.0%	9242990	0.68	0.68	0.0%	9242999	0.11	0.11	0.0%
Tl	9242975	1.4	1.3	7.4%	9242987	0.6	0.6	0.0%	9242990	0.6	0.6	0.0%	9242999	< 0.5	< 0.5	0.0%
Tm	9242975	0.450	0.431	4.3%	9242987	0.38	0.37	2.7%	9242990	0.39	0.38	2.6%	9242999	< 0.05	< 0.05	0.0%
U	9242975	0.137	0.133	3.0%	9242987	0.172	0.180	4.5%	9242990	0.122	0.136	10.9%	9242999	0.205	0.194	5.5%
V	9242975	337	333	1.2%	9242987	295	292	1.0%	9242990	320	317	0.9%	9242999	40	39	2.5%
W	9242975	< 1	< 1	0.0%	9242987	< 1	< 1	0.0%	9242990	< 1	< 1	0.0%	9242999	< 1	< 1	0.0%
Y	9242975	22.5	22.7	0.9%	9242987	21.8	21.6	0.9%	9242990	22.7	22.2	2.2%	9242999	3.04	3.10	2.0%
Yb	9242975	3.02	2.83	6.5%	9242987	2.61	2.43	7.1%	9242990	2.54	2.62	3.1%	9242999	0.3	0.3	0.0%
Zn	9242975	76	78	2.6%	9242987	106	104	1.9%	9242990	114	102	11.1%	9242999	1640	1680	2.4%
Zr	9242975	54.5	56.0	2.7%	9242987	56.6	54.6	3.6%	9242990	60.8	58.7	3.5%	9242999	15.6	14.8	5.3%

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9243011	< 1	< 1	0.0%	9243015	< 1	< 1	0.0%	9243024	< 1	< 1	0.0%	9243035	< 1	< 1	0.0%
Al	9243011	7.05	7.04	0.1%	9243015	8.37	8.41	0.5%	9243024	8.51	8.57	0.7%	9243035	7.67	7.63	0.5%
As	9243011	12	12	0.0%	9243015	< 5	< 5	0.0%	9243024	6	6	0.0%	9243035	< 5	< 5	0.0%
B	9243011	625	609	2.6%	9243015	20	18	10.5%	9243024	64	65	1.6%	9243035	< 20	< 20	0.0%
Ba	9243011	16.2	16.0	1.2%	9243015	155	159	2.5%	9243024	135	134	0.7%	9243035	414	417	0.7%
Be	9243011	< 5	< 5	0.0%	9243015	< 5	< 5	0.0%	9243024	< 5	< 5	0.0%	9243035	< 5	< 5	0.0%
Bi	9243011	0.3	0.3	0.0%	9243015	0.1	0.1	0.0%	9243024	0.4	0.1		9243035	0.1	0.3	
Ca	9243011	9.96	9.75	2.1%	9243015	6.34	6.39	0.8%	9243024	5.68	5.63	0.9%	9243035	4.38	4.37	0.2%
Cd	9243011	0.42	0.48	13.3%	9243015	< 0.2	< 0.2	0.0%	9243024	< 0.2	< 0.2	0.0%	9243035	0.2	0.2	0.0%
Ce	9243011	9.4	9.2	2.2%	9243015	11.0	11.1	0.9%	9243024	10.6	10.5	0.9%	9243035	76.0	74.9	1.5%
Co	9243011	50.5	49.4	2.2%	9243015	56.8	56.2	1.1%	9243024	43.8	43.3	1.1%	9243035	29.0	29.6	2.0%
Cr	9243011	0.016	0.016	0.0%	9243015	0.023	0.024	4.3%	9243024	0.022	0.022	0.0%	9243035	0.012	0.012	0.0%
Cs	9243011	0.1	< 0.1		9243015	0.6	0.6	0.0%	9243024	1.1	1.0	9.5%	9243035	0.3	0.3	0.0%



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Cu	9243011	118	118	0.0%	9243015	110	109	0.9%	9243024	98	98	0.0%	9243035	135	137	1.5%
Dy	9243011	3.43	3.46	0.9%	9243015	4.02	4.09	1.7%	9243024	3.76	3.87	2.9%	9243035	4.76	4.65	2.3%
Er	9243011	2.36	2.40	1.7%	9243015	2.54	2.57	1.2%	9243024	2.43	2.54	4.4%	9243035	2.29	2.39	4.3%
Eu	9243011	1.56	1.51	3.3%	9243015	0.87	0.90	3.4%	9243024	0.88	0.90	2.2%	9243035	1.79	1.84	2.8%
Fe	9243011	8.34	8.34	0.0%	9243015	7.99	8.02	0.4%	9243024	6.66	6.63	0.5%	9243035	5.90	5.88	0.3%
Ga	9243011	29.7	29.3	1.4%	9243015	18.1	18.2	0.6%	9243024	20.2	19.8	2.0%	9243035	18.6	19.3	3.7%
Gd	9243011	3.01	3.02	0.3%	9243015	3.46	3.54	2.3%	9243024	3.46	3.56	2.8%	9243035	7.41	7.25	2.2%
Ge	9243011	4	4	0.0%	9243015	1	1	0.0%	9243024	2	2	0.0%	9243035	1	2	
Hf	9243011	< 1	< 1	0.0%	9243015	2	2	0.0%	9243024	2	2	0.0%	9243035	4	4	0.0%
Ho	9243011	0.82	0.77	6.3%	9243015	0.873	0.889	1.8%	9243024	0.85	0.86	1.2%	9243035	0.877	0.850	3.1%
In	9243011	0.3	0.3	0.0%	9243015	< 0.2	< 0.2	0.0%	9243024	< 0.2	< 0.2	0.0%	9243035	< 0.2	< 0.2	0.0%
K	9243011	0.12	0.12	0.0%	9243015	0.577	0.574	0.5%	9243024	0.515	0.513	0.4%	9243035	0.72	0.72	0.0%
La	9243011	4.62	4.55	1.5%	9243015	4.2	4.2	0.0%	9243024	3.91	4.00	2.3%	9243035	35.2	35.1	0.3%
Li	9243011	< 10	< 10	0.0%	9243015	13	10	26.1%	9243024	11	11	0.0%	9243035	< 10	< 10	0.0%
Lu	9243011	0.375	0.362	3.5%	9243015	0.37	0.39	5.3%	9243024	0.36	0.36	0.0%	9243035	0.32	0.32	0.0%
Mg	9243011	1.68	1.66	1.2%	9243015	2.32	2.34	0.9%	9243024	1.91	1.91	0.0%	9243035	2.34	2.35	0.4%
Mn	9243011	3450	3330	3.5%	9243015	2130	2170	1.9%	9243024	2100	2080	1.0%	9243035	1700	1720	1.2%
Mo	9243011	4	4	0.0%	9243015	2	3		9243024	2	2	0.0%	9243035	< 2	< 2	0.0%
Nb	9243011	< 1	< 1	0.0%	9243015	< 1	< 1	0.0%	9243024	< 1	< 1	0.0%	9243035	4	4	0.0%
Nd	9243011	6.6	6.4	3.1%	9243015	8.01	8.21	2.5%	9243024	7.85	8.10	3.1%	9243035	37.7	37.1	1.6%
Ni	9243011	52	46	12.2%	9243015	85	86	1.2%	9243024	52	51	1.9%	9243035	44	44	0.0%
P	9243011	0.03	0.03	0.0%	9243015	0.04	0.04	0.0%	9243024	0.04	0.04	0.0%	9243035	0.23	0.23	0.0%
Pb	9243011	60	59	1.7%	9243015	9	8	11.8%	9243024	8	8	0.0%	9243035	9	9	0.0%
Pr	9243011	1.35	1.29	4.5%	9243015	1.69	1.73	2.3%	9243024	1.64	1.62	1.2%	9243035	9.74	9.72	0.2%
Rb	9243011	3.8	3.9	2.6%	9243015	32.2	31.8	1.3%	9243024	32.0	30.4	5.1%	9243035	30.4	31.2	2.6%
S	9243011	0.53	0.52	1.9%	9243015	0.33	0.33	0.0%	9243024	0.345	0.344	0.3%	9243035	0.38	0.38	0.0%
Sb	9243011	0.49	0.56	13.3%	9243015	< 0.1	< 0.1	0.0%	9243024	< 0.1	< 0.1	0.0%	9243035	< 0.1	< 0.1	0.0%
Sc	9243011	31	31	0.0%	9243015	44	45	2.2%	9243024	43	42	2.4%	9243035	24	24	0.0%
Si	9243011	23.0	23.1	0.4%	9243015	22.5	22.6	0.4%	9243024	23.8	23.7	0.4%	9243035	25.4	25.2	0.8%
Sm	9243011	1.84	1.96	6.3%	9243015	2.41	2.45	1.6%	9243024	2.5	2.3	8.3%	9243035	7.78	7.72	0.8%
Sn	9243011	< 1	< 1	0.0%	9243015	< 1	< 1	0.0%	9243024	< 1	< 1	0.0%	9243035	< 1	< 1	0.0%
Sr	9243011	234	230	1.7%	9243015	122	122	0.0%	9243024	157	158	0.6%	9243035	191	191	0.0%
Ta	9243011	< 0.5	< 0.5	0.0%	9243015	< 0.5	< 0.5	0.0%	9243024	< 0.5	< 0.5	0.0%	9243035	< 0.5	< 0.5	0.0%
Tb	9243011	0.518	0.494	4.7%	9243015	0.61	0.61	0.0%	9243024	0.599	0.593	1.0%	9243035	0.944	0.949	0.5%



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Th	9243011	0.2	0.2	0.0%	9243015	0.48	0.43	11.0%	9243024	0.7	0.5		9243035	6.5	6.6	1.5%
Ti	9243011	0.32	0.32	0.0%	9243015	0.65	0.65	0.0%	9243024	0.64	0.64	0.0%	9243035	0.47	0.47	0.0%
Tl	9243011	< 0.5	< 0.5	0.0%	9243015	< 0.5	< 0.5	0.0%	9243024	< 0.5	< 0.5	0.0%	9243035	< 0.5	< 0.5	0.0%
Tm	9243011	0.36	0.35	2.8%	9243015	0.400	0.415	3.7%	9243024	0.35	0.36	2.8%	9243035	0.33	0.34	3.0%
U	9243011	0.11	0.10	9.5%	9243015	0.099	0.092	7.3%	9243024	0.10	0.10	0.0%	9243035	2.17	2.27	4.5%
V	9243011	316	317	0.3%	9243015	310	314	1.3%	9243024	299	298	0.3%	9243035	187	189	1.1%
W	9243011	121	121	0.0%	9243015	< 1	< 1	0.0%	9243024	< 1	< 1	0.0%	9243035	< 1	1	
Y	9243011	21.1	21.5	1.9%	9243015	22.3	21.7	2.7%	9243024	21.5	20.3	5.7%	9243035	23.1	23.2	0.4%
Yb	9243011	2.4	2.3	4.3%	9243015	2.62	2.55	2.7%	9243024	2.3	2.3	0.0%	9243035	2.2	2.2	0.0%
Zn	9243011	194	190	2.1%	9243015	90	95	5.4%	9243024	72	71	1.4%	9243035	119	122	2.5%
Zr	9243011	29.0	29.7	2.4%	9243015	60.9	60.1	1.3%	9243024	61.8	57.0	8.1%	9243035	136	137	0.7%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	11.48	105%	90% - 110%	4.30	4.25	99%	90% - 110%	10.95	11.19	102%	90% - 110%	4.30	4.41	102%	90% - 110%
As					2.49	2.59	104%	90% - 110%					2.49	2.05	82%	90% - 110%
Ba	340	342	101%	90% - 110%					340	337	99%	90% - 110%				
Be	2.6	2.8	108%	90% - 110%					2.6	3.1	120%	90% - 110%				
Ca	5.72	5.92	104%	90% - 110%	2.21	2.14	97%	90% - 110%	5.72	5.81	102%	90% - 110%	2.21	2.19	99%	90% - 110%
Ce	122	125	102%	90% - 110%					122	133	109%	90% - 110%				
Co	2.8	2.7	95%	90% - 110%	672	698	104%	90% - 110%	2.8	2.9	102%	90% - 110%	672	713	106%	90% - 110%
Cr					0.032	0.0340	106%	90% - 110%					0.032	0.034	106%	90% - 110%
Cs	1.5	1.6	108%	90% - 110%					1.5	1.6	104%	90% - 110%				
Cu	7	7	99%	90% - 110%	11850	11400	96%	90% - 110%	7	6	82%	90% - 110%	11850	11309	95%	90% - 110%
Dy	18.2	18.9	104%	90% - 110%					18.2	18.8	103%	90% - 110%				
Er	14.2	14.4	101%	90% - 110%					14.2	14.7	103%	90% - 110%				
Eu	2.0	1.87	93%	90% - 110%					2.0	1.88	94%	90% - 110%				
Fe	4.34	4.45	103%	90% - 110%	25.54	24.2	95%	90% - 110%	4.34	4.46	103%	90% - 110%	25.54	25.07	98%	90% - 110%
Ga	35	37	107%	90% - 110%					35	36	102%	90% - 110%				
Gd	14	15	109%	90% - 110%					14	15	110%	90% - 110%				
Hf	10.6	10.4	98%	90% - 110%					10.6	10.9	103%	90% - 110%				
Ho	4.3	4.5	105%	90% - 110%					4.3	4.6	107%	90% - 110%				
K	1.37	1.37	100%	90% - 110%					1.37	1.33	97%	90% - 110%				
La	58	58	100%	90% - 110%					58	62	107%	90% - 110%				
Li	37	37.1	100%	90% - 110%					37	34.0	92%	90% - 110%				
Lu	2.1	2.1	102%	90% - 110%					2.1	2.1	102%	90% - 110%				
Mg	0.325	0.319	98%	90% - 110%	1.79	1.7	95%	90% - 110%	0.325	0.325	100%	90% - 110%	1.79	1.83	102%	90% - 110%
Mn	836	870	104%	90% - 110%	703	659	94%	90% - 110%	836	837	100%	90% - 110%	703	658	94%	90% - 110%
Nb	13	13	98%	90% - 110%					13	12	94%	90% - 110%				
Nd	57	59	103%	90% - 110%					57	58	102%	90% - 110%				
Ni	9	11	119%	90% - 110%	19530	18100	93%	90% - 110%	9	8	91%	90% - 110%	19530	18251	93%	90% - 110%
Pb	10	9	94%	90% - 110%	58	55	95%	90% - 110%	10	9	93%	90% - 110%	58	59	101%	90% - 110%
Pr	15.0	15.2	101%	90% - 110%					15.0	16.2	108%	90% - 110%				
Rb	55	56	101%	90% - 110%					55	55	100%	90% - 110%				
S					14.14	12.8	91%	90% - 110%					14.14	13.29	94%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	23.3	22.6	97%	90% - 110%	15.23	14.0	92%	90% - 110%	23.3	22.3	96%	90% - 110%	15.23	14.51	95%	90% - 110%
Sm	12.7	12.6	99%	90% - 110%					12.7	12.5	98%	90% - 110%				
Sn	7.1	7.3	102%	90% - 110%					7.1	6.9	97%	90% - 110%				
Sr	1191	1227	103%	90% - 110%					1191	1229	103%	90% - 110%				
Ta	0.9	0.827	92%	90% - 110%												
Tb	2.6	2.8	109%	90% - 110%					2.6	2.8	110%	90% - 110%				
Th	1.4	1.4	103%	90% - 110%					1.4	1.2	85%	90% - 110%				
Ti	0.172	0.175	102%	90% - 110%					0.172	0.17	99%	90% - 110%				
Tm	2.3	2.3	102%	90% - 110%					2.3	2.4	103%	90% - 110%				
U	0.8	0.9	109%	90% - 110%					0.8	0.8	97%	90% - 110%				
V	8	10	122%	90% - 110%					8	10	124%	90% - 110%				
Y	119	114	96%	90% - 110%					119	116	98%	90% - 110%				
Yb	14.8	14.9	101%	90% - 110%					14.8	15.2	103%	90% - 110%				
Zn	93	95	102%	90% - 110%	235	251	107%	90% - 110%	93	98	106%	90% - 110%	235	254	108%	90% - 110%
Zr	517	489	95%	90% - 110%					517	545	105%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	10.95	10.87	99%	90% - 110%	4.30	4.21	98%	90% - 110%								
As					2.49	2.64	106%	90% - 110%								
Ba	340	324	95%	90% - 110%												
Be	2.6	2.8	110%	90% - 110%												
Ca	5.72	5.43	95%	90% - 110%	2.21	2.08	94%	90% - 110%								
Ce	122	126	103%	90% - 110%												
Co	2.8	2.5	91%	90% - 110%	672	735	109%	90% - 110%								
Cr					0.032	0.034	105%	90% - 110%								
Cs	1.5	1.6	109%	90% - 110%												
Cu	7	5	77%	90% - 110%	11850	11216	95%	90% - 110%								
Dy	18.2	18.5	101%	90% - 110%												
Er	14.2	14.3	100%	90% - 110%												
Eu	2.0	1.81	90%	90% - 110%												
Fe	4.34	4.25	98%	90% - 110%	25.54	24.71	97%	90% - 110%								
Ga	35	35	101%	90% - 110%												
Gd	14	15	109%	90% - 110%												
Hf	10.6	11	104%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Ho	4.3	4.5	106%	90% - 110%																
K	1.37	1.31	95%	90% - 110%																
La	58	60	104%	90% - 110%																
Li	37	32.3	87%	90% - 110%																
Lu	2.1	2.1	101%	90% - 110%																
Mg	0.325	0.316	97%	90% - 110%	1.79	1.77	99%	90% - 110%												
Mn	836	827	99%	90% - 110%	703	640	91%	90% - 110%												
Nb	13	12	93%	90% - 110%																
Nd	57	57	101%	90% - 110%																
Ni	9	7	83%	90% - 110%	19530	17578	90%	90% - 110%												
Pb	10	10	97%	90% - 110%	58	58	99%	90% - 110%												
Pr	15.0	15.8	105%	90% - 110%																
Rb	55	57	103%	90% - 110%																
S					14.14	13	92%	90% - 110%												
Si	23.3	21.7	93%	90% - 110%	15.23	14.06	92%	90% - 110%												
Sm	12.7	12.2	96%	90% - 110%																
Sn	7.1	6.8	96%	90% - 110%																
Sr	1191	1169	98%	90% - 110%																
Tb	2.6	2.7	104%	90% - 110%																
Th	1.4	1.2	84%	90% - 110%																
Ti	0.172	0.163	95%	90% - 110%																
Tm	2.3	2.3	98%	90% - 110%																
U	0.8	0.8	95%	90% - 110%																
V	8	9	118%	90% - 110%																
Y	119	115	96%	90% - 110%																
Yb	14.8	15.2	103%	90% - 110%																
Zn	93	96	103%	90% - 110%	235	253	108%	90% - 110%												
Zr	517	541	105%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-127B
 SAMPLING SITE:

AGAT WORK ORDER: 18T338981
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T338981

PROJECT: DDH-127B

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-127C

AGAT WORK ORDER: 18T338982

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jun 21, 2018

PAGES (INCLUDING COVER): 38

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612879 (9243036)		1.74
E6612880 (9243037)		2.19
E6612881 (9243038)		2.37
E6612882 (9243039)		2.61
E6612883 (9243040)		2.49
E6612884 (9243041)		2.51
E6612885 (9243042)		2.61
E6612886 (9243043)		0.01
E6612887 (9243044)		2.36
E6612888 (9243045)		2.70
E6612889 (9243046)		2.70
E6612890 (9243047)		2.38
E6612891 (9243048)		3.15
E6612892 (9243049)		1.49
E6612893 (9243050)		2.15
E6612894 (9243051)		2.62
E6612895 (9243052)		2.36
E6612896 (9243053)		2.59
E6612897 (9243054)		2.29
E6612898 (9243055)		2.29
E6612899 (9243056)		3.25
E6612900 (9243057)		2.21
E6612901 (9243058)		2.76
E6612902 (9243059)		2.07
E6612903 (9243060)		3.05
E6612904 (9243061)		2.55
E6612905 (9243062)		2.33
E6612906 (9243063)		0.01
E6612907 (9243064)		2.73
E6612908 (9243065)		2.66
E6612909 (9243066)		2.30

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018 DATE RECEIVED: May 15, 2018 DATE REPORTED: Jun 21, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612910 (9243067)		2.89
E6612911 (9243068)		2.90
E6612912 (9243069)		1.46
E6612913 (9243070)		2.92
E6612914 (9243071)		2.67
E6612915 (9243072)		2.94
E6612916 (9243073)		2.95
E6612917 (9243074)		2.10
E6612918 (9243075)		2.10
E6612919 (9243076)		2.72
E6612920 (9243077)		2.69
E6612921 (9243078)		2.32
E6612922 (9243079)		2.49
E6612923 (9243080)		2.25
E6612924 (9243081)		0.01
E6612925 (9243082)		2.37
E6612926 (9243083)		2.84
E6612927 (9243084)		2.70
E6612928 (9243085)		2.58
E6612929 (9243086)		2.32
E6612930 (9243087)		1.28
E6612931 (9243088)		2.00
E6612932 (9243089)		2.93
E6612933 (9243090)		2.43
E6612934 (9243091)		2.67
E6612935 (9243092)		2.71
E6612936 (9243093)		2.71
E6612937 (9243094)		2.76
E6612938 (9243095)		2.85
E6612939 (9243096)		2.76
E6612940 (9243097)		2.76

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018 DATE RECEIVED: May 15, 2018 DATE REPORTED: Jun 21, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6612941 (9243098)		2.89
E6612942 (9243099)		0.01
E6612943 (9243100)		3.12
E6612944 (9243101)		2.77
E6612945 (9243102)		3.10
E6612946 (9243103)		2.02
E6612947 (9243104)		2.62
E6612948 (9243105)		1.24
E6612949 (9243106)		2.61
E6612950 (9243107)		2.39
E6561101 (9243108)		2.77
E6561102 (9243109)		2.48
E6561103 (9243110)		0.76
E6561104 (9243111)		1.82
E6561105 (9243112)		2.63
E6561106 (9243113)		0.01
E6561107 (9243114)		2.77
E6561108 (9243115)		2.33
E6561109 (9243116)		2.17
E6561110 (9243117)		2.24
E6561111 (9243118)		2.04
E6561112 (9243119)		1.34
E6561113 (9243120)		1.93
E6561114 (9243121)		0.76
E6561115 (9243122)		0.01
E6561116 (9243123)		2.58
E6561117 (9243124)		2.35
E6561118 (9243125)		2.35
E6561119 (9243126)		2.47
E6561120 (9243127)		2.75
E6561121 (9243128)		2.67

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6561122 (9243129)		2.72
E6561123 (9243130)		2.58
E6561124 (9243131)		3.11

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
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 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6612879 (9243036)	<1	7.76	6	<20	1190	<5	0.1	5.41	<0.2	87.1	22.8	0.014	0.4	101	
E6612880 (9243037)	<1	7.76	<5	<20	697	<5	0.2	4.68	<0.2	81.6	27.5	0.014	0.4	311	
E6612881 (9243038)	<1	9.57	<5	<20	376	<5	0.2	6.01	<0.2	12.9	48.6	0.026	1.7	91	
E6612882 (9243039)	<1	9.81	<5	29	302	<5	0.2	6.53	<0.2	10.5	48.3	0.026	0.6	132	
E6612883 (9243040)	<1	9.68	19	61	248	<5	0.5	6.51	3.3	10.3	91.0	0.024	0.5	451	
E6612884 (9243041)	<1	9.15	<5	23	245	<5	0.2	7.69	<0.2	9.9	57.0	0.027	1.0	189	
E6612885 (9243042)	<1	9.10	<5	37	376	<5	0.2	7.99	<0.2	9.7	61.5	0.027	0.7	196	
E6612886 (9243043)	<1	5.16	599	110	173	<5	7.5	4.64	<0.2	65.3	988	0.006	2.5	3050	
E6612887 (9243044)	<1	8.82	<5	<20	375	<5	0.2	6.81	0.5	11.4	62.1	0.024	0.4	185	
E6612888 (9243045)	<1	9.75	<5	<20	372	<5	0.1	6.03	0.5	10.1	38.8	0.027	0.7	92	
E6612889 (9243046)	<1	9.40	<5	33	222	<5	0.2	9.27	<0.2	10.4	52.0	0.025	0.3	148	
E6612890 (9243047)	<1	9.51	<5	24	222	<5	0.1	7.39	<0.2	9.9	49.9	0.028	0.4	153	
E6612891 (9243048)	<1	9.31	<5	<20	184	<5	<0.1	7.40	<0.2	9.0	52.5	0.026	1.0	125	
E6612892 (9243049)	<1	0.10	<5	<20	15.1	<5	<0.1	36.3	<0.2	0.8	1.4	<0.005	<0.1	6	
E6612893 (9243050)	<1	9.89	<5	20	257	<5	<0.1	5.60	<0.2	10.2	37.5	0.025	0.8	71	
E6612894 (9243051)	<1	9.07	<5	<20	262	<5	0.2	6.62	1.4	40.2	40.0	0.029	0.9	120	
E6612895 (9243052)	<1	8.73	<5	<20	322	<5	<0.1	6.47	0.8	37.9	40.2	0.035	1.0	114	
E6612896 (9243053)	<1	9.32	<5	39	301	<5	0.1	6.96	<0.2	10.8	49.7	0.024	0.5	108	
E6612897 (9243054)	<1	9.38	<5	<20	225	<5	<0.1	5.20	<0.2	12.8	32.0	0.026	0.6	49	
E6612898 (9243055)	<1	9.35	<5	<20	225	<5	<0.1	5.19	<0.2	13.1	34.0	0.025	0.7	50	
E6612899 (9243056)	<1	9.44	<5	<20	245	<5	0.1	6.65	<0.2	14.3	48.1	0.028	0.6	100	
E6612900 (9243057)	<1	9.24	<5	23	188	<5	0.2	8.66	<0.2	9.1	57.7	0.026	0.4	299	
E6612901 (9243058)	<1	9.15	<5	23	265	<5	0.2	7.83	<0.2	10.5	57.7	0.024	0.4	239	
E6612902 (9243059)	<1	9.61	<5	<20	286	<5	0.1	6.15	<0.2	9.8	42.6	0.025	0.5	72	
E6612903 (9243060)	<1	9.62	<5	22	208	<5	0.1	7.68	<0.2	10.1	54.0	0.028	0.4	118	
E6612904 (9243061)	<1	9.70	<5	20	234	<5	0.2	8.64	<0.2	9.2	48.2	0.028	0.3	253	
E6612905 (9243062)	<1	10.0	<5	27	231	<5	0.2	7.81	<0.2	10.0	48.9	0.025	0.4	219	
E6612906 (9243063)	<1	5.09	582	117	183	<5	7.6	4.50	<0.2	70.9	1030	0.006	2.6	3040	
E6612907 (9243064)	<1	9.09	<5	<20	226	<5	<0.1	8.05	<0.2	10.6	38.2	0.026	0.1	61	
E6612908 (9243065)	<1	8.52	<5	<20	211	<5	0.1	7.83	<0.2	48.2	55.7	0.030	0.2	224	
E6612909 (9243066)	<1	9.65	<5	33	406	<5	0.1	8.67	<0.2	10.4	46.5	0.028	0.3	85	
E6612910 (9243067)	<1	8.90	<5	30	396	<5	0.1	8.60	0.2	9.8	55.2	0.024	0.5	94	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018	DATE RECEIVED: May 15, 2018					DATE REPORTED: Jun 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6612911 (9243068)	<1	9.51	<5	<20	299	<5	<0.1	6.94	<0.2	9.9	44.5	0.029	0.7	33	
E6612912 (9243069)	<1	0.09	<5	<20	15.0	<5	<0.1	34.7	<0.2	0.9	1.0	<0.005	<0.1	6	
E6612913 (9243070)	<1	9.37	<5	<20	295	<5	<0.1	5.79	<0.2	11.6	38.2	0.026	1.7	55	
E6612914 (9243071)	<1	8.81	<5	<20	259	<5	0.1	7.56	<0.2	10.5	41.9	0.025	0.5	83	
E6612915 (9243072)	<1	7.69	<5	20	192	<5	0.1	7.78	<0.2	9.2	54.8	0.023	0.3	112	
E6612916 (9243073)	<1	8.10	<5	<20	198	<5	0.1	7.83	<0.2	9.9	55.8	0.024	0.7	150	
E6612917 (9243074)	<1	9.95	<5	<20	223	<5	<0.1	6.81	<0.2	13.4	39.1	0.028	1.8	132	
E6612918 (9243075)	<1	8.92	<5	<20	209	<5	0.3	6.23	<0.2	14.1	40.8	0.026	1.9	132	
E6612919 (9243076)	<1	8.26	<5	<20	167	<5	0.1	8.07	<0.2	12.4	51.0	0.025	0.7	107	
E6612920 (9243077)	<1	8.20	<5	30	215	<5	0.2	7.79	0.9	10.6	57.6	0.023	0.4	184	
E6612921 (9243078)	<1	8.47	<5	<20	260	<5	<0.1	5.03	<0.2	9.7	37.5	0.022	0.3	34	
E6612922 (9243079)	<1	8.75	<5	22	291	<5	<0.1	6.03	<0.2	9.8	43.5	0.022	0.4	33	
E6612923 (9243080)	<1	8.43	<5	24	284	<5	<0.1	7.67	0.4	16.9	51.1	0.027	0.6	79	
E6612924 (9243081)	<1	4.72	590	109	170	<5	7.5	4.46	<0.2	71.6	995	0.006	2.7	3090	
E6612925 (9243082)	<1	8.84	<5	21	263	<5	0.3	8.10	<0.2	10.0	48.6	0.025	0.9	89	
E6612926 (9243083)	<1	8.61	<5	<20	320	<5	0.2	7.62	<0.2	15.5	46.5	0.028	0.8	68	
E6612927 (9243084)	<1	8.43	<5	30	235	<5	0.3	7.39	2.1	10.5	70.5	0.022	0.5	449	
E6612928 (9243085)	<1	8.97	<5	23	224	<5	0.1	7.61	<0.2	10.5	53.0	0.025	0.5	103	
E6612929 (9243086)	<1	8.50	<5	56	372	<5	0.2	9.55	0.3	11.0	79.4	0.021	0.2	360	
E6612930 (9243087)	<1	0.08	<5	<20	13.9	<5	<0.1	38.1	<0.2	0.9	1.0	<0.005	<0.1	5	
E6612931 (9243088)	<1	9.20	<5	23	233	<5	0.2	7.87	<0.2	9.3	55.6	0.024	0.5	108	
E6612932 (9243089)	<1	9.30	<5	26	176	<5	0.1	8.33	<0.2	10.2	57.1	0.024	0.5	107	
E6612933 (9243090)	<1	9.17	<5	<20	156	<5	0.1	8.03	<0.2	10.3	54.3	0.024	0.6	115	
E6612934 (9243091)	<1	8.98	<5	25	208	<5	0.1	8.67	<0.2	9.9	59.5	0.025	0.3	79	
E6612935 (9243092)	<1	8.92	<5	21	270	<5	<0.1	8.56	<0.2	10.4	51.6	0.023	0.4	71	
E6612936 (9243093)	<1	9.00	<5	<20	271	<5	<0.1	8.61	<0.2	10.0	52.4	0.024	0.4	67	
E6612937 (9243094)	<1	9.43	<5	<20	265	<5	<0.1	6.73	<0.2	10.0	44.7	0.024	1.9	69	
E6612938 (9243095)	<1	9.18	<5	43	401	<5	0.1	7.90	<0.2	10.3	56.3	0.024	0.4	144	
E6612939 (9243096)	<1	8.96	<5	24	218	<5	0.1	9.83	<0.2	9.7	58.4	0.024	0.2	102	
E6612940 (9243097)	<1	8.61	<5	36	488	<5	0.1	7.95	<0.2	9.4	61.6	0.025	0.6	186	
E6612941 (9243098)	<1	8.68	<5	25	848	<5	0.2	6.07	0.9	15.9	31.0	0.023	0.6	118	
E6612942 (9243099)	<1	4.59	581	112	181	<5	7.6	4.37	<0.2	73.3	994	0.007	2.7	3090	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018	DATE RECEIVED: May 15, 2018					DATE REPORTED: Jun 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6612943 (9243100)	<1	5.73	14	<20	271	<5	0.1	6.00	<0.2	37.3	48.8	0.080	1.3	13	
E6612944 (9243101)	<1	5.28	<5	<20	60.9	<5	<0.1	8.45	<0.2	35.6	43.0	0.086	1.2	17	
E6612945 (9243102)	<1	5.44	<5	<20	186	<5	<0.1	7.64	<0.2	117	38.9	0.074	0.8	127	
E6612946 (9243103)	<1	8.35	<5	45	445	<5	0.3	4.21	1.3	46.6	38.5	0.022	0.7	511	
E6612947 (9243104)	<1	8.35	<5	<20	451	<5	0.1	5.52	<0.2	10.8	56.2	0.023	3.7	109	
E6612948 (9243105)	<1	0.07	<5	<20	14.9	<5	<0.1	34.6	<0.2	1.0	1.2	<0.005	<0.1	<5	
E6612949 (9243106)	<1	8.03	<5	<20	398	<5	0.2	7.44	<0.2	11.6	56.6	0.022	0.5	103	
E6612950 (9243107)	<1	7.91	<5	24	335	<5	0.1	7.19	<0.2	10.4	53.3	0.022	0.6	80	
E6561101 (9243108)	<1	7.89	30	<20	556	<5	0.9	5.95	<0.2	11.6	56.7	0.021	0.7	101	
E6561102 (9243109)	1	8.40	46	<20	608	<5	0.7	4.95	0.8	12.6	41.5	0.021	0.9	34	
E6561103 (9243110)	2	7.03	1140	<20	387	<5	5.8	7.46	0.6	32.9	164	0.017	0.8	111	
E6561104 (9243111)	<1	7.43	34	<20	342	<5	0.2	4.21	0.4	10.8	38.4	0.021	1.4	46	
E6561105 (9243112)	<1	7.34	30	31	253	<5	0.5	6.84	<0.2	10.8	63.5	0.018	0.5	112	
E6561106 (9243113)	<1	4.61	592	99	160	<5	7.6	4.01	<0.2	71.2	987	0.005	2.7	2990	
E6561107 (9243114)	<1	7.25	12	23	297	<5	0.3	6.68	<0.2	10.5	57.9	0.020	0.8	46	
E6561108 (9243115)	<1	8.31	<5	24	296	<5	0.2	5.59	<0.2	11.0	48.7	0.021	1.0	59	
E6561109 (9243116)	<1	6.79	<5	<20	243	<5	0.2	7.10	<0.2	10.4	74.2	0.020	0.7	103	
E6561110 (9243117)	<1	7.06	29	<20	237	<5	0.2	5.82	<0.2	59.6	61.4	0.024	0.5	91	
E6561111 (9243118)	<1	9.04	56	50	278	<5	0.2	6.16	<0.2	11.5	73.3	0.027	3.7	98	
E6561112 (9243119)	<1	0.07	<5	<20	14.2	<5	<0.1	33.1	<0.2	1.0	1.3	<0.005	<0.1	<5	
E6561113 (9243120)	<1	8.46	77	<20	337	<5	3.2	6.56	0.7	12.3	53.8	0.026	0.6	134	
E6561114 (9243121)	35	8.06	6570	<20	292	<5	227	7.16	0.5	30.8	1660	0.026	0.9	778	
E6561115 (9243122)	46	6.08	59400	<20	24.7	<5	489	8.20	0.3	18.3	19100	0.026	0.6	68	
E6561116 (9243123)	1	8.81	77	<20	463	<5	0.9	6.21	<0.2	13.4	62.3	0.030	0.8	94	
E6561117 (9243124)	<1	9.22	122	<20	312	<5	6.9	7.00	<0.2	12.3	75.6	0.027	0.5	64	
E6561118 (9243125)	<1	9.03	42	<20	314	<5	0.8	6.94	<0.2	12.0	50.7	0.028	0.5	43	
E6561119 (9243126)	<1	8.49	150	<20	368	<5	0.7	5.53	<0.2	13.9	72.6	0.026	0.7	105	
E6561120 (9243127)	<1	8.80	60	<20	317	<5	0.5	4.51	1.0	10.4	53.7	0.026	1.4	167	
E6561121 (9243128)	<1	8.22	56	<20	248	<5	0.4	5.24	<0.2	10.9	64.8	0.024	1.0	321	
E6561122 (9243129)	<1	8.54	52	<20	286	<5	0.3	7.04	0.2	10.6	60.4	0.028	0.6	270	
E6561123 (9243130)	<1	8.27	45	<20	230	<5	0.2	6.09	<0.2	17.1	47.1	0.033	0.7	105	
E6561124 (9243131)	<1	8.02	46	<20	178	<5	0.2	8.60	<0.2	12.3	53.5	0.026	0.3	237	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6612879 (9243036)	4.56	2.22	2.31	5.75	21.1	8.54	2	4	0.81	<0.2	1.68	42.2	11	0.29
E6612880 (9243037)	4.46	2.15	2.11	5.92	20.6	7.90	1	4	0.80	<0.2	0.79	37.5	13	0.32
E6612881 (9243038)	3.69	2.31	0.81	7.79	20.6	3.30	1	2	0.80	<0.2	1.02	5.9	27	0.37
E6612882 (9243039)	3.85	2.39	0.84	8.27	20.3	3.38	1	2	0.82	<0.2	0.94	4.5	16	0.39
E6612883 (9243040)	3.47	2.28	0.93	7.74	22.6	3.26	2	2	0.79	<0.2	0.78	4.0	13	0.33
E6612884 (9243041)	3.92	2.64	0.85	9.41	20.5	3.37	2	2	0.82	<0.2	0.67	4.2	17	0.42
E6612885 (9243042)	3.65	2.42	0.84	9.18	19.2	3.23	2	2	0.82	<0.2	1.20	3.9	14	0.36
E6612886 (9243043)	3.01	1.73	0.93	3.58	12.5	4.27	2	4	0.60	0.2	3.57	34.0	<10	0.30
E6612887 (9243044)	3.78	2.48	0.92	9.36	18.0	3.37	1	2	0.83	<0.2	0.96	4.8	17	0.42
E6612888 (9243045)	3.74	2.33	0.86	6.86	20.2	3.22	1	2	0.75	<0.2	0.82	4.1	17	0.38
E6612889 (9243046)	4.19	2.74	0.92	9.72	19.9	3.57	2	2	0.94	<0.2	0.70	4.2	11	0.46
E6612890 (9243047)	3.88	2.49	0.95	7.97	19.1	3.36	1	2	0.81	<0.2	0.74	3.9	10	0.38
E6612891 (9243048)	3.73	2.48	0.89	8.36	20.4	3.23	2	2	0.87	<0.2	0.65	3.6	16	0.39
E6612892 (9243049)	0.23	0.13	<0.05	0.13	0.30	0.24	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6612893 (9243050)	3.82	2.33	0.97	5.89	20.1	3.45	1	2	0.81	<0.2	0.87	4.2	19	0.31
E6612894 (9243051)	4.11	2.19	1.65	7.04	21.5	5.54	2	3	0.79	<0.2	0.65	17.2	23	0.31
E6612895 (9243052)	4.29	2.20	1.45	7.65	20.3	5.63	2	3	0.82	<0.2	0.75	15.8	30	0.32
E6612896 (9243053)	4.39	2.78	0.98	8.11	20.0	3.83	1	2	0.93	<0.2	0.80	4.3	15	0.42
E6612897 (9243054)	3.81	2.35	0.94	6.81	18.6	3.53	1	2	0.82	<0.2	0.76	5.2	22	0.35
E6612898 (9243055)	3.82	2.25	0.98	6.83	19.2	3.49	1	2	0.80	<0.2	0.76	5.4	22	0.34
E6612899 (9243056)	4.02	2.71	1.04	8.31	20.5	3.76	2	2	0.83	<0.2	0.74	5.6	17	0.40
E6612900 (9243057)	4.12	2.85	0.90	10.2	21.4	3.59	2	2	0.94	<0.2	0.55	4.0	13	0.45
E6612901 (9243058)	4.01	2.71	0.98	9.29	21.0	3.54	2	2	0.93	<0.2	0.71	4.3	12	0.44
E6612902 (9243059)	3.74	2.56	0.92	8.17	19.5	3.39	1	2	0.85	<0.2	0.85	3.9	17	0.40
E6612903 (9243060)	4.11	2.77	0.90	9.54	19.5	3.62	1	2	0.91	<0.2	0.70	3.9	13	0.45
E6612904 (9243061)	3.85	2.42	0.82	9.59	19.4	3.45	2	2	0.86	<0.2	0.64	3.6	13	0.40
E6612905 (9243062)	3.77	2.58	0.97	9.49	20.0	3.36	2	2	0.84	<0.2	0.74	3.9	15	0.39
E6612906 (9243063)	3.07	1.88	0.93	3.55	12.4	4.26	2	4	0.61	0.2	3.49	34.6	<10	0.29
E6612907 (9243064)	4.13	2.72	0.90	8.75	18.2	3.39	1	2	0.90	<0.2	0.71	4.5	<10	0.41
E6612908 (9243065)	3.83	2.42	1.24	9.41	19.1	4.70	2	2	0.85	<0.2	0.54	22.2	15	0.41
E6612909 (9243066)	4.17	2.66	1.00	9.10	20.4	3.57	2	2	0.90	<0.2	1.22	4.2	11	0.42
E6612910 (9243067)	3.63	2.46	0.90	10.1	19.4	3.27	2	2	0.82	<0.2	1.25	4.0	19	0.39

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6612911 (9243068)	4.01	2.59	0.82	7.89	20.1	3.31	1	2	0.87	<0.2	0.86	4.0	17	0.37
E6612912 (9243069)	0.20	0.16	<0.05	0.12	0.25	0.27	<1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05
E6612913 (9243070)	3.73	2.35	0.95	6.55	20.3	3.42	1	2	0.80	<0.2	0.83	4.4	22	0.36
E6612914 (9243071)	3.76	2.42	0.91	7.94	18.7	3.46	1	2	0.82	<0.2	0.69	4.0	15	0.38
E6612915 (9243072)	3.88	2.56	0.85	9.04	18.7	3.41	2	2	0.88	<0.2	0.51	3.6	12	0.45
E6612916 (9243073)	3.97	2.54	0.83	8.08	19.8	3.57	2	2	0.88	<0.2	0.58	3.8	13	0.43
E6612917 (9243074)	3.51	2.28	0.80	7.73	19.6	3.60	1	2	0.78	<0.2	0.89	5.5	23	0.35
E6612918 (9243075)	3.63	2.35	0.83	7.03	20.0	3.39	1	2	0.81	<0.2	0.81	5.7	20	0.35
E6612919 (9243076)	3.79	2.59	1.31	9.10	20.1	3.55	2	2	0.88	<0.2	0.62	5.0	14	0.40
E6612920 (9243077)	3.86	2.62	0.96	9.29	19.8	3.53	2	2	0.84	<0.2	0.67	4.3	13	0.39
E6612921 (9243078)	3.52	2.23	0.74	7.22	16.2	3.17	1	2	0.76	<0.2	0.84	3.8	22	0.33
E6612922 (9243079)	3.73	2.38	0.86	7.60	17.5	3.22	1	2	0.80	<0.2	0.91	3.9	22	0.33
E6612923 (9243080)	4.05	2.64	1.06	8.41	19.4	3.90	2	2	0.86	<0.2	0.84	6.9	17	0.40
E6612924 (9243081)	3.02	1.86	0.96	3.48	12.5	4.32	2	4	0.63	0.2	3.68	35.8	<10	0.29
E6612925 (9243082)	3.79	2.59	0.86	8.06	19.9	3.57	1	2	0.86	<0.2	0.87	3.9	14	0.39
E6612926 (9243083)	3.84	2.44	0.98	8.39	18.1	3.76	2	2	0.83	<0.2	1.03	6.7	21	0.37
E6612927 (9243084)	3.72	2.50	0.90	10.0	18.8	3.39	2	2	0.86	<0.2	0.82	4.3	19	0.40
E6612928 (9243085)	4.07	2.59	0.89	8.37	20.1	3.65	2	2	0.90	<0.2	0.92	4.1	13	0.39
E6612929 (9243086)	4.15	2.98	0.94	10.6	20.4	3.68	2	2	0.95	<0.2	1.07	4.7	16	0.49
E6612930 (9243087)	0.21	0.16	<0.05	0.14	0.25	0.26	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05
E6612931 (9243088)	4.00	2.57	0.89	9.67	18.6	3.35	2	2	0.88	<0.2	0.89	3.6	17	0.41
E6612932 (9243089)	3.97	2.65	0.92	9.26	19.1	3.58	2	2	0.90	<0.2	0.88	4.1	15	0.41
E6612933 (9243090)	4.01	2.67	0.94	8.67	19.9	3.69	2	2	0.87	<0.2	0.75	4.1	16	0.42
E6612934 (9243091)	4.16	2.70	0.93	9.29	19.8	3.43	2	2	0.88	<0.2	0.84	3.9	<10	0.44
E6612935 (9243092)	3.97	2.64	0.88	8.72	19.1	3.40	2	2	0.84	<0.2	0.94	3.9	12	0.39
E6612936 (9243093)	4.03	2.52	0.88	8.77	19.8	3.55	2	2	0.88	<0.2	0.96	3.9	13	0.41
E6612937 (9243094)	3.77	2.44	0.85	7.98	19.4	3.15	1	2	0.81	<0.2	1.14	3.8	20	0.37
E6612938 (9243095)	3.88	2.71	0.85	8.63	19.7	3.63	2	2	0.86	<0.2	1.41	4.1	15	0.41
E6612939 (9243096)	4.15	2.76	0.93	9.54	20.9	3.62	2	2	0.91	<0.2	0.83	3.9	10	0.45
E6612940 (9243097)	4.01	2.79	0.90	8.51	20.3	3.39	2	2	0.91	<0.2	1.19	4.0	13	0.41
E6612941 (9243098)	4.08	2.67	1.07	6.23	19.7	3.80	2	2	0.87	<0.2	1.47	6.6	15	0.38
E6612942 (9243099)	3.12	1.93	0.98	3.33	12.5	4.28	2	4	0.64	0.2	3.33	36.2	<10	0.31

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6612943 (9243100)	2.34	1.37	0.85	8.93	14.9	3.79	1	2	0.48	<0.2	0.82	16.0	57	0.21
E6612944 (9243101)	2.19	1.24	1.08	8.35	14.6	3.36	2	2	0.42	<0.2	0.37	16.8	52	0.18
E6612945 (9243102)	3.10	1.67	1.91	8.66	15.7	5.90	2	2	0.59	<0.2	1.13	63.8	45	0.23
E6612946 (9243103)	5.89	3.65	3.17	7.02	17.2	6.73	1	2	1.23	<0.2	0.87	15.8	35	0.48
E6612947 (9243104)	3.92	2.54	0.94	7.68	19.3	3.39	1	2	0.85	<0.2	1.50	4.3	37	0.41
E6612948 (9243105)	0.25	0.16	<0.05	0.11	0.23	0.26	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6612949 (9243106)	4.18	2.82	0.92	8.56	19.8	3.64	2	2	0.93	<0.2	1.23	4.9	15	0.44
E6612950 (9243107)	4.07	2.72	0.89	8.19	18.4	3.54	2	2	0.85	<0.2	1.16	4.1	13	0.41
E6561101 (9243108)	4.30	2.62	0.86	8.34	18.5	3.57	2	2	0.91	<0.2	1.55	4.9	31	0.40
E6561102 (9243109)	4.05	2.57	0.96	6.92	18.9	3.68	1	2	0.91	<0.2	1.66	5.4	47	0.40
E6561103 (9243110)	5.54	3.12	0.79	5.95	17.8	6.11	1	2	1.14	<0.2	1.39	13.9	41	0.40
E6561104 (9243111)	3.80	2.39	0.90	6.11	19.3	3.30	1	2	0.77	<0.2	1.13	4.2	28	0.33
E6561105 (9243112)	4.08	2.76	0.88	7.97	19.3	3.72	2	2	0.92	<0.2	1.15	4.3	17	0.42
E6561106 (9243113)	3.02	1.92	0.93	3.2	12.4	4.22	2	4	0.64	0.2	3.2	35.9	<10	0.29
E6561107 (9243114)	4.02	2.86	0.96	7.42	21.1	3.66	2	2	0.91	<0.2	1.09	4.1	18	0.43
E6561108 (9243115)	3.93	2.58	0.90	7.66	19.6	3.36	1	2	0.88	<0.2	1.22	4.5	24	0.39
E6561109 (9243116)	4.04	2.68	0.88	8.66	20.8	3.50	2	2	0.98	<0.2	0.77	4.5	17	0.44
E6561110 (9243117)	3.80	2.39	1.59	6.87	20.0	5.00	2	2	0.78	<0.2	0.70	28.6	14	0.36
E6561111 (9243118)	3.86	2.60	0.82	8.40	19.7	3.37	2	2	0.85	<0.2	1.08	5.1	41	0.41
E6561112 (9243119)	0.21	0.15	0.08	0.09	0.26	0.24	<1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05
E6561113 (9243120)	4.14	2.82	0.98	8.52	19.5	3.93	1	2	0.93	<0.2	1.12	5.4	26	0.43
E6561114 (9243121)	6.87	4.02	1.04	8.89	18.9	7.50	2	2	1.42	<0.2	1.08	12.3	37	0.54
E6561115 (9243122)	7.33	4.16	0.66	8.57	13.8	6.88	1	<1	1.47	0.2	0.09	7.1	38	0.53
E6561116 (9243123)	4.25	2.81	0.96	8.50	19.8	3.66	2	2	0.91	<0.2	1.49	5.6	22	0.43
E6561117 (9243124)	4.60	2.94	1.00	8.22	20.4	3.85	1	2	0.99	<0.2	1.19	4.6	25	0.43
E6561118 (9243125)	4.51	2.87	1.04	8.03	20.4	3.92	2	2	0.98	<0.2	1.17	4.6	25	0.42
E6561119 (9243126)	4.52	2.87	1.00	7.90	18.9	3.94	1	2	0.96	<0.2	1.24	5.5	23	0.44
E6561120 (9243127)	3.86	2.36	1.33	7.10	20.4	3.35	1	2	0.87	<0.2	1.14	4.0	30	0.38
E6561121 (9243128)	4.24	2.56	1.66	9.64	18.7	3.73	2	2	0.92	<0.2	0.75	4.1	26	0.42
E6561122 (9243129)	4.30	3.00	0.85	9.39	18.9	3.73	1	2	0.96	<0.2	0.88	3.9	27	0.47
E6561123 (9243130)	4.20	2.44	1.04	7.74	18.5	4.22	1	2	0.86	<0.2	0.72	7.1	27	0.36
E6561124 (9243131)	3.60	2.51	0.96	9.47	22.0	3.33	2	2	0.81	<0.2	0.46	5.7	17	0.43

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6612879 (9243036)	2.50	1550	6	7	44.8	45	0.32	17	11.0	59.2	0.22	0.1	17	24.7
E6612880 (9243037)	2.39	1390	4	6	40.8	38	0.29	13	9.88	28.2	0.51	<0.1	17	26.1
E6612881 (9243038)	2.23	1850	4	2	8.5	71	0.05	6	1.78	58.1	0.43	0.1	44	24.2
E6612882 (9243039)	2.20	1910	4	3	7.7	73	0.04	12	1.62	40.3	0.35	0.2	47	24.7
E6612883 (9243040)	1.71	1750	4	2	7.6	85	0.05	24	1.58	36.9	1.18	0.5	42	24.0
E6612884 (9243041)	2.46	2100	6	2	7.3	76	0.04	8	1.51	30.6	0.48	0.6	48	22.6
E6612885 (9243042)	2.55	2070	6	2	7.1	97	0.04	9	1.46	57.5	0.42	0.2	45	23.0
E6612886 (9243043)	2.59	471	12	9	29.0	163	0.08	16	7.88	111	1.70	1.4	7	27.2
E6612887 (9243044)	2.75	2160	4	2	7.8	83	0.04	26	1.63	39.4	0.68	0.2	44	23.3
E6612888 (9243045)	1.87	1550	6	3	7.4	59	0.05	13	1.59	37.1	0.46	<0.1	42	25.4
E6612889 (9243046)	2.39	2170	4	2	7.8	80	0.04	9	1.51	23.9	0.31	0.3	51	22.7
E6612890 (9243047)	1.93	1910	5	2	7.5	79	0.05	7	1.57	29.4	0.26	0.2	45	24.2
E6612891 (9243048)	2.18	2060	5	3	7.3	79	0.04	5	1.49	30.9	0.24	0.2	45	23.0
E6612892 (9243049)	2.57	64	<2	<1	0.8	<5	<0.01	<5	0.20	0.7	<0.01	<0.1	<5	5.04
E6612893 (9243050)	1.83	1520	3	3	7.8	57	0.04	8	1.57	41.3	0.05	0.1	43	25.9
E6612894 (9243051)	3.04	1720	3	4	24.0	72	0.17	23	5.52	28.5	0.18	0.3	34	25.5
E6612895 (9243052)	3.63	1940	4	4	24.2	88	0.19	16	5.43	32.5	0.15	0.3	33	24.5
E6612896 (9243053)	2.15	1880	4	2	8.4	68	0.04	5	1.78	34.2	0.30	0.2	53	22.4
E6612897 (9243054)	2.07	1660	4	3	9.2	67	0.06	13	1.94	35.6	0.10	0.1	41	24.9
E6612898 (9243055)	2.09	1670	3	3	9.5	57	0.06	19	1.94	36.7	0.10	<0.1	41	24.8
E6612899 (9243056)	2.13	1930	5	3	10.1	75	0.06	5	2.11	33.9	0.22	0.1	46	23.7
E6612900 (9243057)	2.39	2270	5	2	7.4	79	0.04	8	1.45	21.8	0.58	0.6	54	21.7
E6612901 (9243058)	2.24	2060	4	2	8.3	76	0.04	8	1.60	26.6	0.53	0.5	49	22.0
E6612902 (9243059)	2.05	2100	4	2	7.4	73	0.04	9	1.54	37.1	0.11	0.1	45	24.4
E6612903 (9243060)	2.13	2140	6	2	7.8	84	0.04	<5	1.60	28.4	0.21	0.2	49	24.1
E6612904 (9243061)	2.38	2280	5	2	7.3	78	0.05	6	1.40	23.6	0.33	0.2	48	24.3
E6612905 (9243062)	2.28	2180	3	2	7.5	73	0.04	6	1.56	28.6	0.48	0.5	48	24.4
E6612906 (9243063)	2.78	507	12	8	29.8	174	0.08	12	8.19	111	1.79	1.5	7	28.5
E6612907 (9243064)	2.43	2060	3	2	8.3	87	0.04	7	1.66	22.0	0.15	0.7	50	24.8
E6612908 (9243065)	3.53	2220	4	3	23.4	130	0.08	9	6.04	17.3	0.41	0.2	43	24.6
E6612909 (9243066)	2.24	2030	5	2	8.0	85	0.05	7	1.70	45.4	0.16	0.3	50	25.7
E6612910 (9243067)	3.47	2640	3	2	7.5	108	0.05	21	1.52	54.4	0.16	0.3	47	24.1

Certified By:



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AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

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MISSISSAUGA, ONTARIO
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TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6612911 (9243068)		2.25	2110	4	3	7.7	86	0.05	7	1.58	37.8	0.05	0.1	51	25.3
E6612912 (9243069)		2.74	81	<2	<1	0.9	<5	0.01	<5	0.20	0.6	<0.01	<0.1	<5	3.81
E6612913 (9243070)		2.01	1830	4	3	8.6	61	0.05	8	1.75	45.4	0.13	0.1	42	25.5
E6612914 (9243071)		2.20	2200	4	2	7.8	70	0.04	5	1.61	26.2	0.17	0.1	43	24.7
E6612915 (9243072)		2.20	2400	5	2	7.2	83	0.03	6	1.44	18.1	0.30	0.2	44	20.4
E6612916 (9243073)		2.05	2160	5	2	7.7	74	0.03	7	1.52	25.8	0.29	0.2	43	21.0
E6612917 (9243074)		2.58	1970	4	3	9.7	73	0.06	6	2.07	40.5	0.14	0.2	43	28.6
E6612918 (9243075)		2.40	1870	4	3	9.9	69	0.06	6	2.14	39.9	0.14	<0.1	41	25.9
E6612919 (9243076)		2.45	2310	5	2	8.8	74	0.04	9	1.85	22.8	0.25	0.2	46	23.3
E6612920 (9243077)		2.75	2370	3	2	8.1	79	0.05	26	1.59	23.4	0.32	0.3	45	23.0
E6612921 (9243078)		2.26	1810	4	2	7.4	60	0.05	19	1.52	29.7	0.07	<0.1	37	24.8
E6612922 (9243079)		2.43	2010	3	2	7.6	69	0.04	26	1.57	30.6	0.11	<0.1	39	24.8
E6612923 (9243080)		2.94	2140	4	3	11.3	80	0.07	12	2.48	31.0	0.15	0.2	42	23.0
E6612924 (9243081)		2.86	463	13	8	30.8	162	0.08	12	8.42	109	1.68	1.5	7	26.4
E6612925 (9243082)		2.30	1990	4	2	7.9	79	0.04	11	1.54	35.0	0.16	0.2	45	23.4
E6612926 (9243083)		3.08	2090	3	3	10.6	90	0.07	60	2.27	40.9	0.11	0.1	41	24.0
E6612927 (9243084)		3.04	2400	3	2	7.8	102	0.04	184	1.63	28.5	0.71	0.4	44	22.8
E6612928 (9243085)		2.32	2060	4	2	8.2	82	0.04	13	1.70	36.9	0.26	0.2	46	24.5
E6612929 (9243086)		3.22	2590	2	2	8.2	136	0.04	17	1.65	34.9	0.62	0.4	48	22.7
E6612930 (9243087)		2.38	65	<2	<1	0.9	<5	<0.01	<5	0.21	<0.2	<0.01	<0.1	<5	4.96
E6612931 (9243088)		3.04	2440	3	2	7.5	90	0.04	10	1.52	32.1	0.30	0.2	47	24.7
E6612932 (9243089)		2.41	2170	3	2	7.9	98	0.04	7	1.61	34.0	0.26	0.2	45	24.9
E6612933 (9243090)		2.60	2190	3	2	7.9	85	0.04	7	1.62	29.6	0.21	0.2	46	24.4
E6612934 (9243091)		2.42	2200	4	2	7.7	102	0.04	6	1.57	30.5	0.25	0.4	49	24.1
E6612935 (9243092)		2.55	2200	3	2	7.9	85	0.04	7	1.59	32.8	0.16	0.3	47	24.0
E6612936 (9243093)		2.58	2190	3	2	7.8	85	0.04	7	1.57	33.1	0.16	0.3	47	24.1
E6612937 (9243094)		2.14	1920	3	2	7.7	66	0.05	7	1.56	54.4	0.15	0.2	46	25.8
E6612938 (9243095)		2.43	2110	3	2	8.0	84	0.04	141	1.58	46.1	0.25	0.6	47	24.3
E6612939 (9243096)		2.66	2070	4	2	7.7	98	0.04	7	1.51	23.8	0.27	0.6	51	23.1
E6612940 (9243097)		2.17	1860	4	2	7.6	112	0.04	10	1.45	44.1	0.39	1.1	46	24.5
E6612941 (9243098)		2.23	1510	3	3	10.2	69	0.04	42	2.28	52.6	0.04	0.8	41	26.2
E6612942 (9243099)		2.60	478	13	8	30.6	177	0.08	12	8.84	111	1.61	1.5	7	28.0

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018	DATE RECEIVED: May 15, 2018					DATE REPORTED: Jun 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6612943 (9243100)	6.43	2280	2	3	20.6	388	0.16	11	5.07	24.8	<0.01	0.4	21	23.7	
E6612944 (9243101)	5.75	2240	<2	3	19.5	396	0.15	5	4.77	14.2	<0.01	0.4	21	23.3	
E6612945 (9243102)	5.37	2100	<2	3	45.2	310	0.12	6	13.0	33.5	<0.01	0.5	20	22.9	
E6612946 (9243103)	3.09	1690	<2	3	30.5	156	0.04	34	7.49	32.0	0.15	0.7	42	24.6	
E6612947 (9243104)	2.37	1840	3	2	7.8	89	0.04	12	1.68	95.2	0.18	0.3	42	24.1	
E6612948 (9243105)	2.28	65	<2	<1	0.9	<5	0.01	<5	0.21	0.4	<0.01	<0.1	<5	3.51	
E6612949 (9243106)	2.27	1960	3	2	8.4	98	0.04	7	1.74	50.0	0.24	0.8	46	22.8	
E6612950 (9243107)	2.26	2090	4	2	8.1	93	0.03	8	1.68	51.1	0.21	0.7	43	23.8	
E6561101 (9243108)	2.54	2060	2	2	8.5	94	0.04	47	1.78	70.8	0.29	1.2	45	23.1	
E6561102 (9243109)	2.24	1810	<2	2	9.3	81	0.04	42	1.93	84.4	0.07	0.9	44	24.2	
E6561103 (9243110)	1.99	1480	8	2	20.0	70	0.03	331	4.67	60.3	0.04	2.2	36	21.5	
E6561104 (9243111)	2.00	1640	2	2	7.8	68	0.04	48	1.57	65.4	0.13	0.8	36	23.8	
E6561105 (9243112)	1.89	1750	3	2	7.8	85	0.03	21	1.65	58.2	0.27	1.6	37	21.5	
E6561106 (9243113)	2.21	427	13	8	30.2	156	0.06	12	8.58	110	1.45	1.6	6	26.9	
E6561107 (9243114)	2.09	2070	3	2	8.1	76	0.03	19	1.63	57.5	0.13	1.3	40	21.0	
E6561108 (9243115)	1.89	1700	3	2	8.2	75	0.04	10	1.66	59.2	0.23	0.5	39	24.4	
E6561109 (9243116)	2.30	2120	3	2	7.7	93	0.03	11	1.59	41.2	0.71	1.1	43	19.2	
E6561110 (9243117)	2.48	1610	3	3	28.4	122	0.07	33	7.36	33.1	0.36	1.1	33	21.6	
E6561111 (9243118)	2.22	2440	3	3	7.9	95	0.05	12	1.69	76.3	0.45	1.5	50	25.7	
E6561112 (9243119)	1.61	50	<2	<1	0.9	6	<0.01	<5	0.24	0.4	<0.01	<0.1	<5	2.57	
E6561113 (9243120)	2.25	2230	3	2	8.7	99	0.04	29	1.83	48.3	0.39	1.0	52	24.2	
E6561114 (9243121)	2.51	2100	8	2	21.5	144	0.03	1210	4.66	47.2	0.47	5.8	50	22.4	
E6561115 (9243122)	4.76	2080	102	<1	13.8	2830	0.03	<5	2.80	3.0	1.20	85.9	38	16.2	
E6561116 (9243123)	2.29	2160	4	3	9.3	104	0.04	19	2.04	65.5	0.37	1.5	51	25.3	
E6561117 (9243124)	1.94	2250	3	2	9.1	90	0.04	52	1.90	51.5	0.14	1.4	52	25.7	
E6561118 (9243125)	1.93	2240	3	2	8.9	96	0.04	18	1.89	51.8	0.14	1.3	52	25.2	
E6561119 (9243126)	1.99	2170	4	2	9.8	84	0.04	39	2.05	53.5	0.34	1.6	51	25.2	
E6561120 (9243127)	1.86	1930	3	2	8.2	69	0.04	62	1.71	57.8	0.57	1.3	51	26.5	
E6561121 (9243128)	2.03	2290	4	2	8.5	94	0.03	45	1.79	32.3	1.45	2.2	48	26.0	
E6561122 (9243129)	2.20	2440	4	2	8.0	109	0.03	39	1.69	34.8	0.76	2.9	55	23.7	
E6561123 (9243130)	2.59	2150	5	3	12.0	90	0.09	54	2.49	33.5	0.32	1.4	45	26.0	
E6561124 (9243131)	2.63	2320	4	2	8.3	100	0.05	23	1.82	16.2	0.41	3.9	51	22.6	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6612879 (9243036)	8.9	<1	298	<0.5	1.01	8.1	0.43	<0.5	0.32	2.58	149	4	24.6	2.1
E6612880 (9243037)	8.2	<1	328	<0.5	0.97	8.2	0.43	<0.5	0.31	2.48	143	3	22.6	2.0
E6612881 (9243038)	2.4	<1	179	<0.5	0.56	0.7	0.68	0.6	0.34	0.15	298	1	22.0	2.4
E6612882 (9243039)	2.4	<1	169	<0.5	0.57	0.5	0.70	<0.5	0.38	0.12	310	1	23.4	2.5
E6612883 (9243040)	2.3	<1	159	<0.5	0.55	0.4	0.66	<0.5	0.35	0.13	275	1	20.9	2.4
E6612884 (9243041)	2.3	<1	170	<0.5	0.57	0.4	0.66	<0.5	0.41	0.10	319	1	23.8	2.8
E6612885 (9243042)	2.3	<1	157	<0.5	0.56	0.4	0.64	<0.5	0.36	0.10	299	1	22.3	2.5
E6612886 (9243043)	4.9	<1	32.9	<0.5	0.55	10.6	0.25	0.9	0.28	6.27	56	4	18.4	1.9
E6612887 (9243044)	2.4	<1	142	<0.5	0.60	0.7	0.63	<0.5	0.39	0.13	293	1	23.0	2.6
E6612888 (9243045)	2.4	<1	141	<0.5	0.55	0.6	0.70	<0.5	0.36	0.11	282	2	21.8	2.5
E6612889 (9243046)	2.4	<1	187	<0.5	0.61	0.5	0.68	<0.5	0.41	0.10	326	1	25.5	2.9
E6612890 (9243047)	2.4	3	167	<0.5	0.57	0.5	0.68	<0.5	0.39	0.10	299	2	22.3	2.5
E6612891 (9243048)	2.3	<1	157	<0.5	0.57	0.4	0.66	<0.5	0.38	0.10	310	1	23.4	2.5
E6612892 (9243049)	0.2	<1	55.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.2	0.1
E6612893 (9243050)	2.4	<1	151	<0.5	0.59	0.4	0.72	<0.5	0.37	0.10	295	2	21.6	2.2
E6612894 (9243051)	5.4	<1	167	<0.5	0.73	1.9	0.68	<0.5	0.32	0.60	250	<1	22.7	2.2
E6612895 (9243052)	5.3	<1	171	<0.5	0.79	2.2	0.65	<0.5	0.33	0.63	243	3	23.2	2.3
E6612896 (9243053)	2.7	<1	159	<0.5	0.66	0.4	0.66	<0.5	0.43	0.11	315	1	25.3	2.9
E6612897 (9243054)	2.6	<1	148	<0.5	0.56	0.5	0.69	<0.5	0.33	0.16	276	1	21.2	2.2
E6612898 (9243055)	2.7	<1	150	<0.5	0.56	0.6	0.68	<0.5	0.34	0.17	277	1	22.0	2.3
E6612899 (9243056)	3.0	<1	174	<0.5	0.63	0.6	0.69	<0.5	0.41	0.18	305	1	24.4	2.6
E6612900 (9243057)	2.4	<1	167	<0.5	0.60	0.3	0.64	<0.5	0.44	0.09	353	1	26.5	3.0
E6612901 (9243058)	2.5	<1	173	<0.5	0.61	0.4	0.63	<0.5	0.42	0.11	318	1	25.2	2.9
E6612902 (9243059)	2.4	<1	140	<0.5	0.56	0.3	0.69	<0.5	0.40	0.10	302	1	23.2	2.6
E6612903 (9243060)	2.6	<1	146	<0.5	0.63	0.4	0.69	<0.5	0.40	0.10	323	1	24.7	2.7
E6612904 (9243061)	2.3	<1	166	<0.5	0.58	0.3	0.68	<0.5	0.39	0.09	320	2	23.6	2.5
E6612905 (9243062)	2.4	<1	170	<0.5	0.56	0.3	0.70	<0.5	0.39	0.11	327	3	23.3	2.6
E6612906 (9243063)	5.3	1	31.5	<0.5	0.59	10.9	0.26	0.8	0.30	6.40	59	4	18.0	1.8
E6612907 (9243064)	2.6	<1	163	<0.5	0.58	0.7	0.72	<0.5	0.39	0.10	333	1	24.4	2.7
E6612908 (9243065)	4.8	<1	193	<0.5	0.71	4.3	0.66	<0.5	0.37	0.65	285	1	22.0	2.5
E6612909 (9243066)	2.6	<1	184	<0.5	0.62	0.6	0.74	<0.5	0.42	0.10	331	<1	24.0	2.6
E6612910 (9243067)	2.4	2	195	<0.5	0.56	0.5	0.68	<0.5	0.36	0.10	313	1	22.2	2.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6612911 (9243068)	2.5	<1	160	<0.5	0.58	0.5	0.73	<0.5	0.39	0.10	338	1	23.5	2.5
E6612912 (9243069)	0.2	<1	52.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.08	<5	<1	2.4	0.1
E6612913 (9243070)	2.6	<1	151	<0.5	0.57	0.4	0.71	<0.5	0.36	0.11	291	1	22.0	2.3
E6612914 (9243071)	2.3	<1	142	<0.5	0.57	0.4	0.69	<0.5	0.39	0.10	303	<1	22.3	2.4
E6612915 (9243072)	2.4	<1	136	<0.5	0.59	0.3	0.60	<0.5	0.40	0.10	295	2	24.1	2.8
E6612916 (9243073)	2.4	<1	138	<0.5	0.61	0.4	0.62	<0.5	0.40	0.09	289	2	23.3	2.7
E6612917 (9243074)	2.7	<1	171	<0.5	0.56	0.6	0.77	<0.5	0.33	0.17	288	1	20.8	2.3
E6612918 (9243075)	2.7	<1	163	<0.5	0.58	0.6	0.70	<0.5	0.36	0.17	276	1	20.6	2.3
E6612919 (9243076)	2.5	<1	187	<0.5	0.58	0.4	0.63	<0.5	0.38	0.11	301	4	23.9	2.5
E6612920 (9243077)	2.5	<1	163	<0.5	0.58	0.4	0.64	<0.5	0.40	0.12	290	2	23.2	2.6
E6612921 (9243078)	2.3	<1	113	<0.5	0.54	0.4	0.67	<0.5	0.33	0.12	262	2	20.6	2.2
E6612922 (9243079)	2.4	<1	138	<0.5	0.56	0.4	0.68	<0.5	0.35	0.10	289	2	20.9	2.3
E6612923 (9243080)	3.2	<1	179	<0.5	0.61	0.7	0.66	<0.5	0.39	0.23	283	1	23.1	2.5
E6612924 (9243081)	5.3	<1	30.4	<0.5	0.62	10.6	0.24	0.8	0.29	6.24	54	4	18.4	1.8
E6612925 (9243082)	2.4	<1	169	<0.5	0.60	0.6	0.68	<0.5	0.39	0.11	305	1	23.4	2.6
E6612926 (9243083)	3.0	<1	176	<0.5	0.60	0.8	0.68	<0.5	0.36	0.21	283	2	23.0	2.5
E6612927 (9243084)	2.4	<1	142	<0.5	0.59	0.4	0.64	<0.5	0.38	0.13	300	2	23.1	2.6
E6612928 (9243085)	2.6	<1	172	<0.5	0.61	0.7	0.70	<0.5	0.39	0.10	308	14	23.5	2.6
E6612929 (9243086)	2.5	<1	194	<0.5	0.66	0.6	0.64	<0.5	0.44	0.11	322	1	25.1	3.1
E6612930 (9243087)	0.2	<1	55.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.15	<5	<1	2.3	0.1
E6612931 (9243088)	2.6	<1	155	<0.5	0.60	0.4	0.70	<0.5	0.42	0.10	315	2	22.9	2.8
E6612932 (9243089)	2.5	<1	151	<0.5	0.64	0.4	0.72	<0.5	0.39	0.10	308	1	23.3	2.8
E6612933 (9243090)	2.6	<1	152	<0.5	0.60	0.4	0.70	<0.5	0.41	0.11	306	2	23.0	2.7
E6612934 (9243091)	2.4	<1	177	<0.5	0.59	0.4	0.68	<0.5	0.41	0.09	326	1	23.5	2.8
E6612935 (9243092)	2.4	<1	175	<0.5	0.58	0.4	0.69	<0.5	0.38	0.10	312	2	23.6	2.6
E6612936 (9243093)	2.5	<1	174	<0.5	0.59	0.4	0.70	<0.5	0.39	0.10	309	1	24.0	2.6
E6612937 (9243094)	2.4	<1	155	<0.5	0.57	0.4	0.73	0.6	0.34	0.10	307	2	21.5	2.3
E6612938 (9243095)	2.5	<1	195	<0.5	0.62	0.3	0.70	<0.5	0.40	0.10	322	2	23.5	2.5
E6612939 (9243096)	2.4	<1	219	<0.5	0.61	0.3	0.68	<0.5	0.45	0.11	334	1	25.8	3.0
E6612940 (9243097)	2.6	<1	199	<0.5	0.58	0.4	0.66	<0.5	0.42	0.14	319	<1	24.1	2.7
E6612941 (9243098)	2.9	<1	183	<0.5	0.62	0.4	0.68	<0.5	0.39	0.27	285	1	24.0	2.5
E6612942 (9243099)	5.2	<1	31.0	<0.5	0.63	10.7	0.24	1.0	0.29	6.33	59	4	18.6	2.0

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6612943 (9243100)	4.1	<1	70.5	<0.5	0.50	4.1	0.37	<0.5	0.20	0.92	152	<1	13.3	1.4
E6612944 (9243101)	3.7	<1	39.2	<0.5	0.46	3.9	0.37	<0.5	0.19	0.89	168	<1	12.1	1.2
E6612945 (9243102)	7.3	<1	52.8	<0.5	0.70	4.5	0.34	<0.5	0.24	1.15	155	<1	16.2	1.6
E6612946 (9243103)	7.0	2	101	<0.5	1.01	0.9	0.65	<0.5	0.52	1.35	276	<1	30.1	3.4
E6612947 (9243104)	2.5	<1	159	<0.5	0.60	0.5	0.65	0.9	0.38	0.12	293	1	21.9	2.6
E6612948 (9243105)	0.2	<1	53.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.31	<5	<1	2.4	0.1
E6612949 (9243106)	2.8	<1	204	<0.5	0.64	0.4	0.63	<0.5	0.42	0.10	310	2	24.1	3.0
E6612950 (9243107)	2.6	<1	170	<0.5	0.61	0.4	0.61	<0.5	0.41	0.11	294	2	22.9	2.6
E6561101 (9243108)	2.6	<1	157	<0.5	0.64	0.3	0.62	0.6	0.40	0.11	305	1	23.5	2.8
E6561102 (9243109)	2.8	<1	165	<0.5	0.65	0.4	0.65	0.6	0.40	0.10	295	1	23.1	2.6
E6561103 (9243110)	5.6	<1	86.5	<0.5	0.94	0.3	0.51	0.5	0.45	0.95	243	1	30.4	2.8
E6561104 (9243111)	2.4	<1	110	<0.5	0.60	0.3	0.58	0.6	0.33	0.10	246	1	20.8	2.2
E6561105 (9243112)	2.5	<1	147	<0.5	0.62	0.3	0.58	0.6	0.42	0.11	247	2	24.6	2.7
E6561106 (9243113)	5.1	<1	30.3	<0.5	0.60	10.8	0.20	1.0	0.29	6.51	52	4	18.1	2.0
E6561107 (9243114)	2.5	<1	171	<0.5	0.65	0.5	0.56	<0.5	0.42	0.12	272	2	24.8	2.9
E6561108 (9243115)	2.6	2	138	<0.5	0.60	0.4	0.66	0.5	0.39	0.11	263	1	22.6	2.6
E6561109 (9243116)	2.6	<1	161	<0.5	0.64	0.3	0.53	<0.5	0.46	0.10	299	2	25.7	3.1
E6561110 (9243117)	5.3	<1	205	<0.5	0.73	4.7	0.54	<0.5	0.34	0.91	233	2	21.5	2.4
E6561111 (9243118)	2.4	<1	180	<0.5	0.57	0.5	0.78	0.9	0.38	0.10	333	11	22.0	2.5
E6561112 (9243119)	0.2	<1	56.0	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.08	<5	<1	2.3	0.2
E6561113 (9243120)	2.8	<1	142	<0.5	0.67	0.4	0.74	<0.5	0.41	0.12	299	1	24.0	2.8
E6561114 (9243121)	6.3	<1	110	<0.5	1.19	0.3	0.71	0.5	0.56	0.23	294	1	40.0	3.6
E6561115 (9243122)	5.1	<1	75.0	<0.5	1.24	0.4	0.24	<0.5	0.56	11.2	157	<1	43.2	3.6
E6561116 (9243123)	2.8	<1	173	<0.5	0.62	0.5	0.75	0.6	0.40	0.16	302	2	24.1	2.7
E6561117 (9243124)	3.0	<1	163	<0.5	0.67	0.7	0.79	<0.5	0.41	0.11	308	2	24.9	2.9
E6561118 (9243125)	2.9	<1	165	<0.5	0.67	0.5	0.78	<0.5	0.44	0.11	311	2	25.0	2.7
E6561119 (9243126)	3.1	<1	149	<0.5	0.69	0.5	0.74	<0.5	0.42	0.12	296	2	24.5	2.9
E6561120 (9243127)	2.6	<1	143	<0.5	0.56	0.4	0.75	<0.5	0.38	0.10	289	2	22.1	2.4
E6561121 (9243128)	2.8	<1	132	<0.5	0.63	0.4	0.69	<0.5	0.42	0.10	287	67	23.8	2.7
E6561122 (9243129)	2.8	<1	165	<0.5	0.68	0.4	0.75	<0.5	0.45	0.11	323	4	24.8	3.1
E6561123 (9243130)	3.5	<1	147	<0.5	0.65	1.2	0.75	<0.5	0.36	0.27	281	3	23.1	2.5
E6561124 (9243131)	2.5	<1	158	<0.5	0.53	0.7	0.68	<0.5	0.37	0.23	329	3	21.3	2.5

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AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6612879 (9243036)		132	162
E6612880 (9243037)		90	153
E6612881 (9243038)		71	62.5
E6612882 (9243039)		74	62.2
E6612883 (9243040)		1180	59.8
E6612884 (9243041)		73	60.5
E6612885 (9243042)		87	59.6
E6612886 (9243043)		10	159
E6612887 (9243044)		217	57.1
E6612888 (9243045)		226	63.3
E6612889 (9243046)		92	60.2
E6612890 (9243047)		77	60.1
E6612891 (9243048)		77	61.6
E6612892 (9243049)		<5	2.5
E6612893 (9243050)		64	64.5
E6612894 (9243051)		557	98.5
E6612895 (9243052)		369	105
E6612896 (9243053)		64	61.6
E6612897 (9243054)		62	65.0
E6612898 (9243055)		64	67.1
E6612899 (9243056)		73	68.6
E6612900 (9243057)		69	60.4
E6612901 (9243058)		63	58.3
E6612902 (9243059)		82	59.8
E6612903 (9243060)		76	60.0
E6612904 (9243061)		78	59.8
E6612905 (9243062)		72	59.4
E6612906 (9243063)		7	157
E6612907 (9243064)		67	59.7
E6612908 (9243065)		79	76.9
E6612909 (9243066)		77	60.1
E6612910 (9243067)		155	57.7

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6612911 (9243068)		71	62.7
E6612912 (9243069)		<5	2.3
E6612913 (9243070)		93	64.7
E6612914 (9243071)		66	59.9
E6612915 (9243072)		72	59.9
E6612916 (9243073)		72	61.4
E6612917 (9243074)		67	67.2
E6612918 (9243075)		64	68.0
E6612919 (9243076)		72	59.5
E6612920 (9243077)		380	61.7
E6612921 (9243078)		93	61.1
E6612922 (9243079)		89	60.7
E6612923 (9243080)		164	68.4
E6612924 (9243081)		9	161
E6612925 (9243082)		76	62.2
E6612926 (9243083)		108	68.8
E6612927 (9243084)		673	56.2
E6612928 (9243085)		117	60.3
E6612929 (9243086)		157	58.4
E6612930 (9243087)		<5	2.0
E6612931 (9243088)		107	57.7
E6612932 (9243089)		84	59.2
E6612933 (9243090)		89	61.3
E6612934 (9243091)		104	58.2
E6612935 (9243092)		86	60.6
E6612936 (9243093)		90	61.6
E6612937 (9243094)		82	60.8
E6612938 (9243095)		98	60.5
E6612939 (9243096)		71	59.3
E6612940 (9243097)		70	60.3
E6612941 (9243098)		290	62.6
E6612942 (9243099)		10	160

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6612943 (9243100)		125	87.6
E6612944 (9243101)		113	83.7
E6612945 (9243102)		125	90.6
E6612946 (9243103)		435	59.1
E6612947 (9243104)		89	61.7
E6612948 (9243105)		<5	2.2
E6612949 (9243106)		73	58.5
E6612950 (9243107)		88	57.9
E6561101 (9243108)		115	58.9
E6561102 (9243109)		312	60.4
E6561103 (9243110)		217	48.7
E6561104 (9243111)		161	58.5
E6561105 (9243112)		117	58.6
E6561106 (9243113)		5	158
E6561107 (9243114)		82	62.8
E6561108 (9243115)		64	60.7
E6561109 (9243116)		76	59.1
E6561110 (9243117)		90	81.3
E6561111 (9243118)		103	66.5
E6561112 (9243119)		<5	2.1
E6561113 (9243120)		259	60.0
E6561114 (9243121)		227	57.7
E6561115 (9243122)		57	28.6
E6561116 (9243123)		87	64.2
E6561117 (9243124)		93	62.5
E6561118 (9243125)		90	63.5
E6561119 (9243126)		117	60.0
E6561120 (9243127)		367	61.9
E6561121 (9243128)		108	55.6
E6561122 (9243129)		96	61.2
E6561123 (9243130)		90	82.7
E6561124 (9243131)		69	64.3

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PROJECT: DDH-127C

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-998) 3 Acid Digestion, Ag, ICP-OES Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag
Unit:	ppm
RDL:	0.5
Sample ID (AGAT ID)	E6561114 (9243121)
	30.0

Comments: RDL - Reported Detection Limit
9243121 As, Sb values may be low due to digestion losses.

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338982

PROJECT: DDH-127C

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 14, 2018 DATE RECEIVED: May 15, 2018 DATE REPORTED: Jun 21, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6612879 (9243036)		65
E6612880 (9243037)		54
E6612881 (9243038)		71
E6612882 (9243039)		92
E6612888 (9243045)		80
E6612898 (9243055)		98
E6612908 (9243065)		86
E6612918 (9243075)		97
E6612919 (9243076)		76
E6612920 (9243077)		81
E6612926 (9243083)		79
E6612927 (9243084)		81
E6612928 (9243085)		77
E6612929 (9243086)		85
E6612938 (9243095)		83
E6612949 (9243106)		82
E6561108 (9243115)		83
E6561113 (9243120)		83
E6561117 (9243124)		80

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9243036	< 1	< 1	0.0%	9243047	< 1	< 1	0.0%	9243059	< 1	< 1	0.0%	9243061	< 1	< 1	0.0%
Al	9243036	7.76	7.77	0.1%	9243047	9.51	8.29	13.7%	9243059	9.61	10.0	4.0%	9243061	9.70	9.72	0.2%
As	9243036	6	5	18.2%	9243047	< 5	< 5	0.0%	9243059	< 5	< 5	0.0%	9243061	< 5	< 5	0.0%
B	9243036	< 20	< 20	0.0%	9243047	24	18	28.6%	9243059	19	21	10.0%	9243061	20	22	9.5%
Ba	9243036	1190	1210	1.7%	9243047	222	214	3.7%	9243059	286	297	3.8%	9243061	234	229	2.2%
Be	9243036	< 5	< 5	0.0%	9243047	< 5	< 5	0.0%	9243059	< 5	< 5	0.0%	9243061	< 5	< 5	0.0%
Bi	9243036	0.1	0.1	0.0%	9243047	0.1	< 0.1		9243059	0.1	< 0.1		9243061	0.15	0.13	14.3%
Ca	9243036	5.41	5.25	3.0%	9243047	7.39	6.52	12.5%	9243059	6.15	6.43	4.5%	9243061	8.64	8.65	0.1%
Cd	9243036	< 0.2	< 0.2	0.0%	9243047	< 0.2	< 0.2	0.0%	9243059	< 0.2	< 0.2	0.0%	9243061	< 0.2	< 0.2	0.0%
Ce	9243036	87.1	87.0	0.1%	9243047	9.87	9.38	5.1%	9243059	9.83	9.99	1.6%	9243061	9.18	8.99	2.1%
Co	9243036	22.8	22.0	3.6%	9243047	49.9	51.5	3.2%	9243059	42.6	43.3	1.6%	9243061	48.2	49.4	2.5%
Cr	9243036	0.014	0.013	7.4%	9243047	0.0276	0.0268	2.9%	9243059	0.0249	0.0255	2.4%	9243061	0.0276	0.0272	1.5%
Cs	9243036	0.4	0.4	0.0%	9243047	0.44	0.48	8.7%	9243059	0.5	0.5	0.0%	9243061	0.32	0.37	14.5%
Cu	9243036	101	103	2.0%	9243047	153	152	0.7%	9243059	72	76	5.4%	9243061	253	252	0.4%
Dy	9243036	4.56	4.62	1.3%	9243047	3.88	3.71	4.5%	9243059	3.74	3.86	3.2%	9243061	3.85	3.75	2.6%
Er	9243036	2.22	2.19	1.4%	9243047	2.49	2.45	1.6%	9243059	2.56	2.58	0.8%	9243061	2.42	2.48	2.4%
Eu	9243036	2.31	2.19	5.3%	9243047	0.95	0.90	5.4%	9243059	0.92	1.02	10.3%	9243061	0.82	0.87	5.9%
Fe	9243036	5.75	5.75	0.0%	9243047	7.97	7.02	12.7%	9243059	8.17	8.48	3.7%	9243061	9.59	9.61	0.2%
Ga	9243036	21.1	20.8	1.4%	9243047	19.1	19.5	2.1%	9243059	19.5	20.0	2.5%	9243061	19.4	19.6	1.0%
Gd	9243036	8.54	8.58	0.5%	9243047	3.36	3.31	1.5%	9243059	3.39	3.43	1.2%	9243061	3.45	3.30	4.4%
Ge	9243036	2	2	0.0%	9243047	1	1	0.0%	9243059	1	1	0.0%	9243061	2	2	0.0%
Hf	9243036	4	4	0.0%	9243047	2	2	0.0%	9243059	2	2	0.0%	9243061	2	2	0.0%
Ho	9243036	0.811	0.831	2.4%	9243047	0.81	0.82	1.2%	9243059	0.851	0.877	3.0%	9243061	0.862	0.843	2.2%
In	9243036	< 0.2	< 0.2	0.0%	9243047	< 0.2	< 0.2	0.0%	9243059	< 0.2	< 0.2	0.0%	9243061	< 0.2	< 0.2	0.0%
K	9243036	1.68	1.67	0.6%	9243047	0.742	0.652	12.9%	9243059	0.855	0.893	4.3%	9243061	0.64	0.64	0.0%
La	9243036	42.2	41.5	1.7%	9243047	3.9	3.7	5.3%	9243059	3.9	4.1	5.0%	9243061	3.6	3.6	0.0%
Li	9243036	11	12	8.7%	9243047	10	9	10.5%	9243059	17	15	12.5%	9243061	13	14	7.4%
Lu	9243036	0.291	0.300	3.0%	9243047	0.38	0.38	0.0%	9243059	0.40	0.39	2.5%	9243061	0.40	0.38	5.1%
Mg	9243036	2.50	2.48	0.8%	9243047	1.93	1.83	5.3%	9243059	2.05	2.09	1.9%	9243061	2.38	2.36	0.8%
Mn	9243036	1550	1570	1.3%	9243047	1910	1870	2.1%	9243059	2100	2170	3.3%	9243061	2280	2280	0.0%
Mo	9243036	6	5	18.2%	9243047	5	6	18.2%	9243059	4	4	0.0%	9243061	5	5	0.0%



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Nb	9243036	7	6	15.4%	9243047	2	2	0.0%	9243059	2	2	0.0%	9243061	2	2	0.0%
Nd	9243036	44.8	43.3	3.4%	9243047	7.5	7.3	2.7%	9243059	7.4	8.1	9.0%	9243061	7.25	7.24	0.1%
Ni	9243036	45	43	4.5%	9243047	79	74	6.5%	9243059	73	76	4.0%	9243061	78	78	0.0%
P	9243036	0.316	0.313	1.0%	9243047	0.05	0.05	0.0%	9243059	0.045	0.047	4.3%	9243061	0.049	0.043	13.0%
Pb	9243036	17	17	0.0%	9243047	7	10	35.3%	9243059	9	10	10.5%	9243061	6	6	0.0%
Pr	9243036	11.0	11.1	0.9%	9243047	1.57	1.47	6.6%	9243059	1.54	1.58	2.6%	9243061	1.40	1.51	7.6%
Rb	9243036	59.2	58.5	1.2%	9243047	29.4	30.3	3.0%	9243059	37.1	37.6	1.3%	9243061	23.6	24.1	2.1%
S	9243036	0.22	0.22	0.0%	9243047	0.265	0.267	0.8%	9243059	0.11	0.11	0.0%	9243061	0.327	0.321	1.9%
Sb	9243036	0.1	< 0.1		9243047	0.2	0.2	0.0%	9243059	0.1	0.1	0.0%	9243061	0.2	0.2	0.0%
Sc	9243036	17	18	5.7%	9243047	45	44	2.2%	9243059	45	47	4.3%	9243061	48	48	0.0%
Si	9243036	24.7	24.6	0.4%	9243047	24.2	21.3	12.7%	9243059	24.4	25.4	4.0%	9243061	24.3	24.4	0.4%
Sm	9243036	8.94	8.98	0.4%	9243047	2.37	2.31	2.6%	9243059	2.4	2.5	4.1%	9243061	2.31	2.24	3.1%
Sn	9243036	< 1	< 1	0.0%	9243047	3	2	40.0%	9243059	< 1	< 1	0.0%	9243061	< 1	< 1	0.0%
Sr	9243036	298	304	2.0%	9243047	167	165	1.2%	9243059	140	142	1.4%	9243061	166	167	0.6%
Ta	9243036	< 0.5	< 0.5	0.0%	9243047	< 0.5	< 0.5	0.0%	9243059	< 0.5	< 0.5	0.0%	9243061	< 0.5	< 0.5	0.0%
Tb	9243036	1.01	1.02	1.0%	9243047	0.57	0.57	0.0%	9243059	0.56	0.60	6.9%	9243061	0.58	0.57	1.7%
Th	9243036	8.09	8.36	3.3%	9243047	0.47	0.43	8.9%	9243059	0.35	0.35	0.0%	9243061	0.3	0.3	0.0%
Ti	9243036	0.43	0.43	0.0%	9243047	0.68	0.60	12.5%	9243059	0.686	0.715	4.1%	9243061	0.68	0.68	0.0%
Tl	9243036	< 0.5	< 0.5	0.0%	9243047	< 0.5	< 0.5	0.0%	9243059	< 0.5	< 0.5	0.0%	9243061	< 0.5	< 0.5	0.0%
Tm	9243036	0.317	0.294	7.5%	9243047	0.39	0.36	8.0%	9243059	0.40	0.40	0.0%	9243061	0.39	0.36	8.0%
U	9243036	2.58	2.58	0.0%	9243047	0.10	0.10	0.0%	9243059	0.10	0.10	0.0%	9243061	0.09	0.09	0.0%
V	9243036	149	154	3.3%	9243047	299	298	0.3%	9243059	302	315	4.2%	9243061	320	320	0.0%
W	9243036	4	4	0.0%	9243047	2	2	0.0%	9243059	1	1	0.0%	9243061	2	2	0.0%
Y	9243036	24.6	23.8	3.3%	9243047	22.3	22.8	2.2%	9243059	23.2	23.3	0.4%	9243061	23.6	23.9	1.3%
Yb	9243036	2.1	2.1	0.0%	9243047	2.46	2.44	0.8%	9243059	2.59	2.55	1.6%	9243061	2.53	2.43	4.0%
Zn	9243036	132	137	3.7%	9243047	77	69	11.0%	9243059	82	82	0.0%	9243061	78	78	0.0%
Zr	9243036	162	158	2.5%	9243047	60.1	61.0	1.5%	9243059	59.8	60.9	1.8%	9243061	59.8	60.4	1.0%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9243071	< 1	< 1	0.0%	9243083	< 1	< 1	0.0%	9243086	< 1	< 1	0.0%	9243095	< 1	< 1	0.0%
Al	9243071	8.81	7.95	10.3%	9243083	8.61	8.59	0.2%	9243086	8.50	8.81	3.6%	9243095	9.18	9.26	0.9%
As	9243071	< 5	< 5	0.0%	9243083	< 5	< 5	0.0%	9243086	< 5	< 5	0.0%	9243095	< 5	< 5	0.0%
B	9243071	< 20	< 20	0.0%	9243083	< 20	< 20	0.0%	9243086	56	54	3.6%	9243095	43	46	6.7%
Ba	9243071	259	236	9.3%	9243083	320	323	0.9%	9243086	372	346	7.2%	9243095	401	393	2.0%



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Be	9243071	< 5	< 5	0.0%	9243083	< 5	< 5	0.0%	9243086	< 5	< 5	0.0%	9243095	< 5	< 5	0.0%
Bi	9243071	0.1	< 0.1		9243083	0.2	0.1		9243086	0.2	0.2	0.0%	9243095	0.1	0.1	0.0%
Ca	9243071	7.56	6.70	12.1%	9243083	7.62	7.55	0.9%	9243086	9.55	9.97	4.3%	9243095	7.90	7.96	0.8%
Cd	9243071	< 0.2	< 0.2	0.0%	9243083	< 0.2	< 0.2	0.0%	9243086	0.3	0.3	0.0%	9243095	< 0.2	< 0.2	0.0%
Ce	9243071	10.5	9.9	5.9%	9243083	15.5	15.1	2.6%	9243086	11.0	11.1	0.9%	9243095	10.3	9.92	3.8%
Co	9243071	41.9	41.0	2.2%	9243083	46.5	47.3	1.7%	9243086	79.4	78.5	1.1%	9243095	56.3	54.7	2.9%
Cr	9243071	0.025	0.023	8.3%	9243083	0.0282	0.0289	2.5%	9243086	0.0214	0.0205	4.3%	9243095	0.0237	0.0229	3.4%
Cs	9243071	0.5	0.5	0.0%	9243083	0.8	0.8	0.0%	9243086	0.20	0.15	28.6%	9243095	0.4	0.4	0.0%
Cu	9243071	83	74	11.5%	9243083	68	71	4.3%	9243086	360	338	6.3%	9243095	144	143	0.7%
Dy	9243071	3.76	3.83	1.8%	9243083	3.84	3.76	2.1%	9243086	4.15	4.15	0.0%	9243095	3.88	3.97	2.3%
Er	9243071	2.42	2.46	1.6%	9243083	2.44	2.50	2.4%	9243086	2.98	2.88	3.4%	9243095	2.71	2.51	7.7%
Eu	9243071	0.91	0.90	1.1%	9243083	0.98	1.01	3.0%	9243086	0.94	0.94	0.0%	9243095	0.85	0.91	6.8%
Fe	9243071	7.94	7.07	11.6%	9243083	8.39	8.40	0.1%	9243086	10.6	11.0	3.7%	9243095	8.63	8.69	0.7%
Ga	9243071	18.7	18.8	0.5%	9243083	18.1	18.8	3.8%	9243086	20.4	20.3	0.5%	9243095	19.7	19.8	0.5%
Gd	9243071	3.46	3.42	1.2%	9243083	3.76	3.80	1.1%	9243086	3.68	3.59	2.5%	9243095	3.63	3.42	6.0%
Ge	9243071	1	1	0.0%	9243083	2	2	0.0%	9243086	2	2	0.0%	9243095	2	2	0.0%
Hf	9243071	2	2	0.0%	9243083	2	2	0.0%	9243086	2	2	0.0%	9243095	2	2	0.0%
Ho	9243071	0.824	0.825	0.1%	9243083	0.83	0.81	2.4%	9243086	0.95	0.95	0.0%	9243095	0.86	0.87	1.2%
In	9243071	< 0.2	< 0.2	0.0%	9243083	< 0.2	< 0.2	0.0%	9243086	< 0.2	< 0.2	0.0%	9243095	< 0.2	< 0.2	0.0%
K	9243071	0.69	0.63	9.1%	9243083	1.03	1.04	1.0%	9243086	1.07	1.10	2.8%	9243095	1.41	1.42	0.7%
La	9243071	4.0	4.0	0.0%	9243083	6.70	6.55	2.3%	9243086	4.65	4.38	6.0%	9243095	4.1	4.1	0.0%
Li	9243071	15	13	14.3%	9243083	21	20	4.9%	9243086	16	15	6.5%	9243095	15	13	14.3%
Lu	9243071	0.38	0.39	2.6%	9243083	0.370	0.386	4.2%	9243086	0.49	0.45	8.5%	9243095	0.41	0.40	2.5%
Mg	9243071	2.20	2.01	9.0%	9243083	3.08	3.18	3.2%	9243086	3.22	3.08	4.4%	9243095	2.43	2.41	0.8%
Mn	9243071	2200	2010	9.0%	9243083	2090	2100	0.5%	9243086	2590	2430	6.4%	9243095	2110	2090	1.0%
Mo	9243071	4	5	22.2%	9243083	3	3	0.0%	9243086	2	2	0.0%	9243095	3	2	
Nb	9243071	2	2	0.0%	9243083	3	3	0.0%	9243086	2	2	0.0%	9243095	2	2	0.0%
Nd	9243071	7.8	7.4	5.3%	9243083	10.6	10.8	1.9%	9243086	8.2	8.0	2.5%	9243095	8.0	8.0	0.0%
Ni	9243071	70	62	12.1%	9243083	90	93	3.3%	9243086	136	134	1.5%	9243095	84	79	6.1%
P	9243071	0.04	0.04	0.0%	9243083	0.07	0.07	0.0%	9243086	0.04	0.04	0.0%	9243095	0.04	0.04	0.0%
Pb	9243071	5	5	0.0%	9243083	60	60	0.0%	9243086	17	17	0.0%	9243095	141	142	0.7%
Pr	9243071	1.61	1.53	5.1%	9243083	2.27	2.27	0.0%	9243086	1.65	1.66	0.6%	9243095	1.58	1.55	1.9%
Rb	9243071	26.2	26.4	0.8%	9243083	40.9	41.3	1.0%	9243086	34.9	34.4	1.4%	9243095	46.1	46.3	0.4%
S	9243071	0.170	0.162	4.8%	9243083	0.113	0.121	6.8%	9243086	0.624	0.575	8.2%	9243095	0.25	0.24	4.1%



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Sb	9243071	0.15	0.18	18.2%	9243083	0.1	0.1	0.0%	9243086	0.4	0.4	0.0%	9243095	0.6	0.6	0.0%
Sc	9243071	43	39	9.8%	9243083	41	43	4.8%	9243086	48	45	6.5%	9243095	47	47	0.0%
Si	9243071	24.7	22.0	11.6%	9243083	24.0	24.0	0.0%	9243086	22.7	23.5	3.5%	9243095	24.3	24.5	0.8%
Sm	9243071	2.3	2.3	0.0%	9243083	3.0	3.0	0.0%	9243086	2.5	2.5	0.0%	9243095	2.5	2.6	3.9%
Sn	9243071	< 1	< 1	0.0%	9243083	< 1	< 1	0.0%	9243086	< 1	< 1	0.0%	9243095	< 1	< 1	0.0%
Sr	9243071	142	129	9.6%	9243083	176	180	2.2%	9243086	194	182	6.4%	9243095	195	194	0.5%
Ta	9243071	< 0.5	< 0.5	0.0%	9243083	< 0.5	< 0.5	0.0%	9243086	< 0.5	< 0.5	0.0%	9243095	< 0.5	< 0.5	0.0%
Tb	9243071	0.572	0.578	1.0%	9243083	0.60	0.60	0.0%	9243086	0.66	0.62	6.3%	9243095	0.62	0.60	3.3%
Th	9243071	0.4	0.4	0.0%	9243083	0.77	0.73	5.3%	9243086	0.6	0.4		9243095	0.33	0.35	5.9%
Ti	9243071	0.685	0.610	11.6%	9243083	0.68	0.68	0.0%	9243086	0.643	0.667	3.7%	9243095	0.702	0.707	0.7%
Tl	9243071	< 0.5	< 0.5	0.0%	9243083	< 0.5	< 0.5	0.0%	9243086	< 0.5	< 0.5	0.0%	9243095	< 0.5	< 0.5	0.0%
Tm	9243071	0.39	0.38	2.6%	9243083	0.364	0.373	2.4%	9243086	0.441	0.447	1.4%	9243095	0.40	0.38	5.1%
U	9243071	0.096	0.087	9.8%	9243083	0.21	0.21	0.0%	9243086	0.109	0.104	4.7%	9243095	0.104	0.095	9.0%
V	9243071	303	277	9.0%	9243083	283	289	2.1%	9243086	322	298	7.7%	9243095	322	314	2.5%
W	9243071	< 1	< 1	0.0%	9243083	2	2	0.0%	9243086	1	1	0.0%	9243095	2	2	0.0%
Y	9243071	22.3	21.8	2.3%	9243083	23.0	22.9	0.4%	9243086	25.1	24.8	1.2%	9243095	23.5	23.4	0.4%
Yb	9243071	2.4	2.5	4.1%	9243083	2.45	2.38	2.9%	9243086	3.08	2.93	5.0%	9243095	2.53	2.66	5.0%
Zn	9243071	66	57	14.6%	9243083	108	109	0.9%	9243086	157	163	3.8%	9243095	98	103	5.0%
Zr	9243071	59.9	60.6	1.2%	9243083	68.8	68.3	0.7%	9243086	58.4	57.9	0.9%	9243095	60.5	60.2	0.5%

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9243107	< 1	< 1	0.0%	9243111	< 1	< 1	0.0%	9243119	< 1	< 1	0.0%	9243131	< 1	< 1	0.0%
Al	9243107	7.91	7.78	1.7%	9243111	7.43	6.67	10.8%	9243119	0.07	0.07	0.0%	9243131	8.02	8.10	1.0%
As	9243107	< 5	< 5	0.0%	9243111	34	31	9.2%	9243119	< 5	< 5	0.0%	9243131	46	47	2.2%
B	9243107	24	22	8.7%	9243111	< 20	< 20	0.0%	9243119	< 20	< 20	0.0%	9243131	< 20	< 20	0.0%
Ba	9243107	335	329	1.8%	9243111	342	310	9.8%	9243119	14.2	13.1	8.1%	9243131	178	192	7.6%
Be	9243107	< 5	< 5	0.0%	9243111	< 5	< 5	0.0%	9243119	< 5	< 5	0.0%	9243131	< 5	< 5	0.0%
Bi	9243107	0.1	0.1	0.0%	9243111	0.2	0.2	0.0%	9243119	< 0.1	< 0.1	0.0%	9243131	0.16	0.14	13.3%
Ca	9243107	7.19	7.06	1.8%	9243111	4.21	3.74	11.8%	9243119	33.1	32.4	2.1%	9243131	8.60	8.67	0.8%
Cd	9243107	< 0.2	< 0.2	0.0%	9243111	0.4	0.4	0.0%	9243119	< 0.2	< 0.2	0.0%	9243131	< 0.2	< 0.2	0.0%
Ce	9243107	10.4	10.3	1.0%	9243111	10.8	10.7	0.9%	9243119	1.0	1.0	0.0%	9243131	12.3	12.7	3.2%
Co	9243107	53.3	53.3	0.0%	9243111	38.4	38.0	1.0%	9243119	1.26	1.24	1.6%	9243131	53.5	52.8	1.3%
Cr	9243107	0.0223	0.0215	3.7%	9243111	0.021	0.018	15.4%	9243119	< 0.005	< 0.005	0.0%	9243131	0.0260	0.0278	6.7%
Cs	9243107	0.6	0.6	0.0%	9243111	1.4	1.4	0.0%	9243119	< 0.1	< 0.1	0.0%	9243131	0.3	0.3	0.0%



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Cu	9243107	80	76	5.1%	9243111	46	36	24.4%	9243119	< 5	< 5	0.0%	9243131	237	254	6.9%
Dy	9243107	4.07	4.02	1.2%	9243111	3.80	3.75	1.3%	9243119	0.21	0.23	9.1%	9243131	3.60	3.72	3.3%
Er	9243107	2.72	2.64	3.0%	9243111	2.39	2.34	2.1%	9243119	0.15	0.17	12.5%	9243131	2.51	2.56	2.0%
Eu	9243107	0.89	0.92	3.3%	9243111	0.90	0.90	0.0%	9243119	0.08	0.06	28.6%	9243131	0.96	1.02	6.1%
Fe	9243107	8.19	8.06	1.6%	9243111	6.11	5.45	11.4%	9243119	0.09	0.09	0.0%	9243131	9.47	9.59	1.3%
Ga	9243107	18.4	18.4	0.0%	9243111	19.3	18.8	2.6%	9243119	0.258	0.229	11.9%	9243131	22.0	21.9	0.5%
Gd	9243107	3.54	3.43	3.2%	9243111	3.30	3.43	3.9%	9243119	0.245	0.280	13.3%	9243131	3.33	3.46	3.8%
Ge	9243107	2	2	0.0%	9243111	1	1	0.0%	9243119	< 1	< 1	0.0%	9243131	2	2	0.0%
Hf	9243107	2	2	0.0%	9243111	2	2	0.0%	9243119	< 1	< 1	0.0%	9243131	2	2	0.0%
Ho	9243107	0.852	0.869	2.0%	9243111	0.77	0.82	6.3%	9243119	0.053	0.060	12.4%	9243131	0.81	0.83	2.4%
In	9243107	< 0.2	< 0.2	0.0%	9243111	< 0.2	< 0.2	0.0%	9243119	< 0.2	< 0.2	0.0%	9243131	< 0.2	< 0.2	0.0%
K	9243107	1.16	1.12	3.5%	9243111	1.13	1.01	11.2%	9243119	< 0.05	< 0.05	0.0%	9243131	0.46	0.47	2.2%
La	9243107	4.1	4.1	0.0%	9243111	4.2	4.2	0.0%	9243119	1.24	1.30	4.7%	9243131	5.74	5.88	2.4%
Li	9243107	13	14	7.4%	9243111	28	26	7.4%	9243119	< 10	< 10	0.0%	9243131	17	18	5.7%
Lu	9243107	0.41	0.41	0.0%	9243111	0.33	0.35	5.9%	9243119	< 0.05	< 0.05	0.0%	9243131	0.431	0.411	4.8%
Mg	9243107	2.26	2.25	0.4%	9243111	2.00	1.77	12.2%	9243119	1.61	1.48	8.4%	9243131	2.63	2.70	2.6%
Mn	9243107	2090	2030	2.9%	9243111	1640	1480	10.3%	9243119	50	46	8.3%	9243131	2320	2470	6.3%
Mo	9243107	4	4	0.0%	9243111	2	2	0.0%	9243119	< 2	< 2	0.0%	9243131	4	5	22.2%
Nb	9243107	2	2	0.0%	9243111	2	2	0.0%	9243119	< 1	< 1	0.0%	9243131	2	2	0.0%
Nd	9243107	8.13	8.23	1.2%	9243111	7.8	7.9	1.3%	9243119	0.92	0.97	5.3%	9243131	8.3	8.7	4.7%
Ni	9243107	93	96	3.2%	9243111	68	55	21.1%	9243119	6	5	18.2%	9243131	100	102	2.0%
P	9243107	0.03	0.03	0.0%	9243111	0.037	0.032	14.5%	9243119	< 0.01	< 0.01	0.0%	9243131	0.05	0.05	0.0%
Pb	9243107	8	9	11.8%	9243111	48	45	6.5%	9243119	< 5	< 5	0.0%	9243131	23	24	4.3%
Pr	9243107	1.68	1.63	3.0%	9243111	1.57	1.68	6.8%	9243119	0.24	0.24	0.0%	9243131	1.82	1.79	1.7%
Rb	9243107	51.1	51.5	0.8%	9243111	65.4	64.8	0.9%	9243119	0.4	0.4	0.0%	9243131	16.2	16.1	0.6%
S	9243107	0.21	0.20	4.9%	9243111	0.129	0.104	21.5%	9243119	< 0.01	< 0.01	0.0%	9243131	0.412	0.446	7.9%
Sb	9243107	0.7	0.7	0.0%	9243111	0.78	0.75	3.9%	9243119	< 0.1	< 0.1	0.0%	9243131	3.9	3.8	2.6%
Sc	9243107	43	42	2.4%	9243111	36	33	8.7%	9243119	< 5	< 5	0.0%	9243131	51	54	5.7%
Si	9243107	23.8	23.4	1.7%	9243111	23.8	21.6	9.7%	9243119	2.57	2.41	6.4%	9243131	22.6	23.0	1.8%
Sm	9243107	2.6	2.6	0.0%	9243111	2.4	2.4	0.0%	9243119	0.2	0.2	0.0%	9243131	2.53	2.68	5.8%
Sn	9243107	< 1	< 1	0.0%	9243111	< 1	< 1	0.0%	9243119	< 1	< 1	0.0%	9243131	< 1	< 1	0.0%
Sr	9243107	170	164	3.6%	9243111	110	101	8.5%	9243119	56.0	53.0	5.5%	9243131	158	168	6.1%
Ta	9243107	< 0.5	< 0.5	0.0%	9243111	< 0.5	< 0.5	0.0%	9243119	< 0.5	< 0.5	0.0%	9243131	< 0.5	< 0.5	0.0%
Tb	9243107	0.61	0.60	1.7%	9243111	0.60	0.58	3.4%	9243119	< 0.05	< 0.05	0.0%	9243131	0.529	0.556	5.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Th	9243107	0.4	0.4	0.0%	9243111	0.3	0.3	0.0%	9243119	< 0.1	< 0.1	0.0%	9243131	0.75	0.77	2.6%
Ti	9243107	0.61	0.60	1.7%	9243111	0.58	0.52	10.9%	9243119	< 0.01	< 0.01	0.0%	9243131	0.68	0.69	1.5%
Tl	9243107	< 0.5	< 0.5	0.0%	9243111	0.6	0.6	0.0%	9243119	< 0.5	< 0.5	0.0%	9243131	< 0.5	< 0.5	0.0%
Tm	9243107	0.406	0.384	5.6%	9243111	0.33	0.37	11.4%	9243119	< 0.05	< 0.05	0.0%	9243131	0.37	0.38	2.7%
U	9243107	0.11	0.10	9.5%	9243111	0.099	0.091	8.4%	9243119	0.08	0.09	11.8%	9243131	0.23	0.24	4.3%
V	9243107	294	286	2.8%	9243111	246	221	10.7%	9243119	< 5	< 5	0.0%	9243131	329	348	5.6%
W	9243107	2	2	0.0%	9243111	1	1	0.0%	9243119	< 1	< 1	0.0%	9243131	3	3	0.0%
Y	9243107	22.9	23.4	2.2%	9243111	20.8	20.9	0.5%	9243119	2.31	2.38	3.0%	9243131	21.3	22.2	4.1%
Yb	9243107	2.6	2.5	3.9%	9243111	2.22	2.28	2.7%	9243119	0.15	0.14	6.9%	9243131	2.5	2.6	3.9%
Zn	9243107	88	84	4.7%	9243111	161	139	14.7%	9243119	< 5	< 5	0.0%	9243131	69	69	0.0%
Zr	9243107	57.9	57.9	0.0%	9243111	58.5	58.0	0.9%	9243119	2.05	1.60	24.7%	9243131	64.3	65.5	1.8%

(201-998) 3 Acid Digestion, Ag, ICP-OES Finish

Parameter	REPLICATE #1				RPD											
	Sample ID	Original	Replicate	RPD												
Ag	9243121	30.0	26.4	12.8%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	5.11	80%	90% - 110%								
Al	10.95	11.59	106%	90% - 110%	4.30	4.46	104%	90% - 110%	10.95	11.5	105%	90% - 110%	4.30	4.22	98%	90% - 110%
Ba	340	337	99%	90% - 110%					340	345	102%	90% - 110%				
Be	2.6	2.80	108%	90% - 110%					2.6	3	116%	90% - 110%				
Ca	5.72	6.08	106%	90% - 110%	2.21	2.13	96%	90% - 110%	5.72	5.88	103%	90% - 110%	2.21	2.43	110%	90% - 110%
Ce	122	112	92%	90% - 110%					122	111	91%	90% - 110%				
Co	2.8	2.6	94%	90% - 110%	672	695	103%	90% - 110%	2.8	2.5	90%	90% - 110%	672	687	102%	90% - 110%
Cr					0.032	0.033	102%	90% - 110%					0.032	0.034	107%	90% - 110%
Cs	1.5	1.4	95%	90% - 110%					1.5	1.4	93%	90% - 110%				
Cu	7	5	77%	90% - 110%	11850	11309	95%	90% - 110%	7	5	72%	90% - 110%	11850	12246	103%	90% - 110%
Dy	18.2	17.2	95%	90% - 110%					18.2	18.4	101%	90% - 110%				
Er	14.2	13.8	98%	90% - 110%					14.2	13.9	98%	90% - 110%				
Eu	2.0	1.80	90%	90% - 110%					2.0	1.84	92%	90% - 110%				
Fe	4.34	4.5	104%	90% - 110%	25.54	25.4	99%	90% - 110%	4.34	4.60	106%	90% - 110%	25.54	26.21	103%	90% - 110%
Ga	35	38	109%	90% - 110%					35	38	110%	90% - 110%				
Gd	14	15	104%	90% - 110%					14	14	103%	90% - 110%				
Hf	10.6	10.7	101%	90% - 110%					10.6	10.1	95%	90% - 110%				
Ho	4.3	4.2	98%	90% - 110%					4.3	4.3	100%	90% - 110%				
K	1.37	1.43	104%	90% - 110%					1.37	1.45	106%	90% - 110%				
La	58	53	91%	90% - 110%					58	54	93%	90% - 110%				
Li	37	36.7	99%	90% - 110%					37	39.4	106%	90% - 110%				
Lu	2.1	2.2	102%	90% - 110%					2.1	2.1	102%	90% - 110%				
Mg	0.325	0.321	99%	90% - 110%	1.79	1.76	98%	90% - 110%	0.325	0.330	102%	90% - 110%	1.79	1.96	109%	90% - 110%
Mn	836	832	99%	90% - 110%	703	696	99%	90% - 110%	836	853	102%	90% - 110%	703	731	104%	90% - 110%
Nb	13	14	104%	90% - 110%					13	14	104%	90% - 110%				
Nd	57	55	96%	90% - 110%					57	54	95%	90% - 110%				
Ni	9	11	120%	90% - 110%	19530	17977	92%	90% - 110%	9	8	92%	90% - 110%	19530	18566	95%	90% - 110%
Pb	10	10	99%	90% - 110%	58	59	102%	90% - 110%	10	9	93%	90% - 110%	58	58	99%	90% - 110%
Pr	15.0	13.7	91%	90% - 110%					15.0	13.6	91%	90% - 110%				
Rb	55	54	99%	90% - 110%					55	55	100%	90% - 110%				
S					14.14	13.81	98%	90% - 110%					14.14	14.78	105%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	23.3	21.8	94%	90% - 110%	15.23	14.09	93%	90% - 110%	23.3	23.3	100%	90% - 110%	15.23	14.49	95%	90% - 110%
Sm	12.7	11.6	92%	90% - 110%					12.7	12.3	97%	90% - 110%				
Sn	7.1	7.1	101%	90% - 110%					7.1	6.6	92%	90% - 110%				
Sr	1191	1280	107%	90% - 110%					1191	1220	103%	90% - 110%				
Tb	2.6	2.5	97%	90% - 110%					2.6	2.6	100%	90% - 110%				
Th	1.4	1.1	81%	90% - 110%					1.4	1.2	86%	90% - 110%				
Ti	0.172	0.168	97%	90% - 110%					0.172	0.177	103%	90% - 110%				
Tm	2.3	2.2	97%	90% - 110%					2.3	2.3	101%	90% - 110%				
U	0.8	0.8	94%	90% - 110%					0.8	0.7	91%	90% - 110%				
V	8	6	75%	90% - 110%					8	6	74%	90% - 110%				
Y	119	119	100%	90% - 110%					119	120	101%	90% - 110%				
Yb	14.8	14.7	99%	90% - 110%					14.8	15.3	103%	90% - 110%				
Zn	93	89.5	96%	90% - 110%	235	256	109%	90% - 110%	93	88	95%	90% - 110%	235	233	99%	90% - 110%
Zr	517	564	109%	90% - 110%					517	538	104%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	10.95	10.63	97%	90% - 110%	4.30	4.1	95%	90% - 110%								
Ba	340	332	98%	90% - 110%												
Be	2.6	2.85	109%	90% - 110%												
Ca	5.72	5.76	101%	90% - 110%	2.21	2.06	93%	90% - 110%								
Ce	122	123	101%	90% - 110%												
Co	2.8	2.6	92%	90% - 110%	672	670	100%	90% - 110%								
Cr					0.032	0.035	109%	90% - 110%								
Cs	1.5	1.6	104%	90% - 110%												
Cu					11850	12072	102%	90% - 110%								
Dy	18.2	19	104%	90% - 110%												
Er	14.2	14.9	105%	90% - 110%												
Eu	2.0	1.94	97%	90% - 110%												
Fe	4.34	4.27	98%	90% - 110%	25.54	24.55	96%	90% - 110%								
Ga	35	37	107%	90% - 110%												
Gd	14	15	110%	90% - 110%												
Hf	10.6	10.5	99%	90% - 110%												
Ho	4.3	4.5	105%	90% - 110%												
K	1.37	1.39	102%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

La	58	58	101%	90% - 110%														
Li	37	37.4	101%	90% - 110%														
Lu	2.1	2.2	103%	90% - 110%														
Mg	0.325	0.306	94%	90% - 110%														
Mn	836	818	98%	90% - 110%	703	737	105%	90% - 110%										
Nb	13	13	102%	90% - 110%														
Nd	57	59	104%	90% - 110%														
Ni	9	9	95%	90% - 110%	19530	18406	94%	90% - 110%										
Pb	10	10	101%	90% - 110%	58	63	108%	90% - 110%										
Pr	15.0	15.4	103%	90% - 110%														
Rb	55	55	100%	90% - 110%														
S					14.14	12.74	90%	90% - 110%										
Si	23.3	23.3	100%	90% - 110%	15.23	14.81	97%	90% - 110%										
Sm	12.7	13.1	103%	90% - 110%														
Sn	7.1	6.4	90%	90% - 110%														
Sr	1191	1227	103%	90% - 110%														
Tb	2.6	2.8	106%	90% - 110%														
Th	1.4	1.2	88%	90% - 110%														
Ti	0.172	0.168	97%	90% - 110%														
Tm	2.3	2.4	106%	90% - 110%														
U	0.8	0.7	93%	90% - 110%														
V	8	6	79%	90% - 110%														
Y	119	119	100%	90% - 110%														
Yb	14.8	16.2	110%	90% - 110%														
Zn	93	93	100%	90% - 110%	235	243	103%	90% - 110%										
Zr	517	542	105%	90% - 110%														

(201-998) 3 Acid Digestion, Ag, ICP-OES Finish

CRM #1																		
Parameter	Expect	Actual	Recovery	Limits														
Ag	34.0	32.7	96%	90% - 110%														



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-127C
 SAMPLING SITE:

AGAT WORK ORDER: 18T338982
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-127C
SAMPLING SITE:

AGAT WORK ORDER: 18T338982
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Ag	MIN-200-12002/12020		ICP/OES
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-127D

AGAT WORK ORDER: 18T338983

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jun 13, 2018

PAGES (INCLUDING COVER): 33

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018 DATE RECEIVED: May 15, 2018 DATE REPORTED: Jun 13, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561125 (9243132)		3.00
E6561126 (9243133)		0.01
E6561127 (9243134)		2.75
E6561128 (9243135)		3.07
E6561129 (9243136)		2.50
E6561130 (9243137)		2.88
E6561131 (9243138)		2.53
E6561132 (9243139)		1.43
E6561133 (9243140)		2.43
E6561134 (9243141)		2.93
E6561135 (9243142)		2.97
E6561136 (9243143)		2.51
E6561137 (9243144)		2.48
E6561138 (9243145)		2.48
E6561139 (9243146)		2.79
E6561140 (9243147)		2.78
E6561141 (9243148)		2.13
E6561142 (9243149)		2.32
E6561143 (9243150)		2.21
E6561144 (9243151)		2.17
E6561145 (9243152)		0.74
E6561146 (9243153)		0.01
E6561147 (9243154)		1.05
E6561148 (9243155)		2.39
E6561149 (9243156)		2.05
E6561150 (9243157)		2.66
E6561151 (9243158)		1.86
E6561152 (9243159)		1.27
E6561153 (9243160)		1.96
E6561154 (9243161)		1.66
E6561155 (9243162)		2.73

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561156 (9243163)		2.75
E6561157 (9243164)		2.69
E6561158 (9243165)		2.69
E6561159 (9243166)		2.53
E6561160 (9243167)		2.41
E6561161 (9243168)		2.75
E6561162 (9243169)		2.99
E6561163 (9243170)		2.97
E6561164 (9243171)		2.53
E6561165 (9243172)		3.96
E6561166 (9243173)		0.01
E6561167 (9243174)		3.21
E6561168 (9243175)		2.98
E6561169 (9243176)		2.38
E6561170 (9243177)		2.78
E6561171 (9243178)		2.92
E6561172 (9243179)		1.43
E6561173 (9243180)		2.81
E6561174 (9243181)		2.84
E6561175 (9243182)		3.21
E6561176 (9243183)		2.88
E6561177 (9243184)		2.72
E6561178 (9243185)		2.72
E6561179 (9243186)		1.11
E6561180 (9243187)		1.07
E6561181 (9243188)		1.00
E6561182 (9243189)		1.46
E6561183 (9243190)		1.64
E6561184 (9243191)		2.13
E6561185 (9243192)		2.39
E6561186 (9243193)		0.01

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

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CANADA L4Z 1N9
TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6561187 (9243194)		2.37
E6561188 (9243195)		2.68
E6561189 (9243196)		2.87
E6561190 (9243197)		3.65
E6561191 (9243198)		3.36
E6561192 (9243199)		1.37
E6561193 (9243200)		3.04
E6561194 (9243201)		3.17
E6561195 (9243202)		3.21
E6561196 (9243203)		3.33

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6561125 (9243132)	<1	8.82	18	<20	231	<5	0.1	5.18	<0.2	10.2	39.8	0.025	1.0	61	
E6561126 (9243133)	<1	4.50	563	101	150	<5	7.4	3.96	<0.2	74.2	980	<0.005	2.7	2920	
E6561127 (9243134)	<1	8.31	8	<20	221	<5	0.2	6.08	<0.2	9.9	45.2	0.024	0.6	90	
E6561128 (9243135)	<1	7.46	<5	<20	144	<5	0.2	7.36	<0.2	9.6	73.1	0.019	0.2	304	
E6561129 (9243136)	<1	8.32	<5	<20	189	<5	<0.1	5.34	<0.2	10.3	47.7	0.022	0.4	80	
E6561130 (9243137)	<1	8.88	9	<20	166	<5	<0.1	4.98	<0.2	9.4	44.5	0.022	1.0	48	
E6561131 (9243138)	<1	7.72	265	<20	169	<5	3.7	6.33	0.3	12.6	121	0.024	0.9	257	
E6561132 (9243139)	<1	0.08	<5	<20	16.2	<5	<0.1	34.6	<0.2	0.8	1.1	<0.005	<0.1	<5	
E6561133 (9243140)	<1	8.06	30	<20	216	<5	0.4	6.35	<0.2	9.0	47.6	0.020	0.7	85	
E6561134 (9243141)	<1	7.93	34	<20	200	<5	0.4	6.67	<0.2	9.3	55.8	0.020	0.6	123	
E6561135 (9243142)	<1	8.41	27	20	204	<5	0.3	7.11	<0.2	9.2	42.6	0.023	0.4	75	
E6561136 (9243143)	<1	8.39	22	22	205	<5	0.1	4.17	<0.2	9.2	34.3	0.024	0.6	71	
E6561137 (9243144)	<1	10.6	45	30	207	<5	0.1	8.91	<0.2	9.0	62.8	0.020	0.5	139	
E6561138 (9243145)	<1	8.16	40	<20	223	<5	0.1	7.31	<0.2	9.2	59.9	0.023	0.5	145	
E6561139 (9243146)	<1	7.33	35	<20	253	<5	0.2	6.77	<0.2	9.4	63.1	0.022	0.5	164	
E6561140 (9243147)	<1	8.56	22	<20	213	<5	<0.1	5.56	<0.2	9.0	39.8	0.025	0.6	172	
E6561141 (9243148)	<1	7.98	41	<20	276	<5	0.4	6.39	0.3	9.8	67.5	0.022	0.5	275	
E6561142 (9243149)	<1	7.29	70	21	112	<5	0.4	5.84	<0.2	10.1	84.7	0.023	0.3	345	
E6561143 (9243150)	<1	7.99	67	<20	354	<5	0.3	5.69	<0.2	10.3	70.8	0.022	0.5	252	
E6561144 (9243151)	<1	7.67	400	23	197	<5	63.4	6.42	0.9	10.0	67.3	0.022	0.7	377	
E6561145 (9243152)	4	6.20	89600	<20	194	<5	1610	3.85	0.2	18.7	22000	0.018	0.3	267	
E6561146 (9243153)	102	3.36	117000	25	3.5	<5	1100	11.5	0.5	30.3	38700	0.029	0.8	65	
E6561147 (9243154)	3	7.83	2700	24	298	<5	270	5.07	0.4	12.4	121	0.021	0.7	577	
E6561148 (9243155)	2	7.80	1310	<20	268	<5	23.2	6.01	0.7	11.1	309	0.021	0.9	413	
E6561149 (9243156)	10	6.13	5280	<20	152	<5	47.1	8.42	0.5	41.0	826	0.018	0.5	2110	
E6561150 (9243157)	1	6.98	110	<20	251	<5	2.8	6.36	<0.2	9.2	57.5	0.019	0.4	261	
E6561151 (9243158)	<1	8.04	69	<20	264	<5	0.6	7.01	<0.2	9.5	54.5	0.023	0.5	130	
E6561152 (9243159)	<1	0.07	<5	<20	13.8	<5	0.2	29.7	<0.2	0.9	1.0	<0.005	<0.1	5	
E6561153 (9243160)	<1	5.99	48	<20	566	<5	0.5	5.84	<0.2	61.0	47.5	0.040	2.0	76	
E6561154 (9243161)	<1	8.01	29	<20	323	<5	0.4	6.95	<0.2	11.0	49.8	0.024	1.0	80	
E6561155 (9243162)	<1	7.72	48	<20	171	<5	0.3	7.06	<0.2	9.4	60.7	0.023	0.5	138	
E6561156 (9243163)	<1	7.48	44	<20	194	<5	0.3	5.89	<0.2	10.9	49.2	0.020	0.3	89	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6561157 (9243164)	<1	8.03	31	<20	213	<5	0.4	5.74	1.3	10.6	42.1	0.022	0.4	60	
E6561158 (9243165)	<1	8.33	33	<20	222	<5	0.4	6.01	1.3	10.5	42.3	0.022	0.5	59	
E6561159 (9243166)	<1	8.25	31	<20	187	<5	0.2	5.15	0.2	9.5	35.0	0.023	0.7	63	
E6561160 (9243167)	<1	7.58	48	<20	169	<5	0.5	6.45	0.2	11.6	39.3	0.021	0.9	129	
E6561161 (9243168)	<1	8.28	51	<20	311	<5	0.5	6.53	<0.2	10.7	44.7	0.023	0.6	339	
E6561162 (9243169)	1	7.91	56	<20	239	<5	0.3	6.96	<0.2	10.8	40.6	0.022	0.4	68	
E6561163 (9243170)	<1	8.10	119	<20	16.7	<5	0.4	11.8	<0.2	7.2	31.8	0.021	0.1	36	
E6561164 (9243171)	<1	8.35	159	<20	26.4	<5	0.2	11.8	<0.2	13.6	39.6	0.019	0.4	38	
E6561165 (9243172)	<1	7.62	64	<20	197	<5	0.5	8.07	<0.2	12.3	48.1	0.021	0.2	106	
E6561166 (9243173)	<1	4.39	557	103	166	<5	7.8	4.03	<0.2	74.7	952	0.005	2.5	2900	
E6561167 (9243174)	<1	7.88	28	<20	279	<5	0.4	7.15	<0.2	10.7	46.8	0.023	0.7	182	
E6561168 (9243175)	<1	7.76	12	<20	245	<5	0.4	7.65	<0.2	10.2	51.3	0.023	0.3	209	
E6561169 (9243176)	1	8.59	13	<20	186	<5	0.2	5.29	<0.2	10.4	52.3	0.022	0.6	142	
E6561170 (9243177)	<1	8.42	<5	<20	163	<5	0.1	3.37	<0.2	10.5	29.3	0.023	0.4	73	
E6561171 (9243178)	1	7.89	12	<20	203	<5	0.2	5.60	<0.2	10.0	46.7	0.021	0.3	90	
E6561172 (9243179)	<1	0.08	<5	<20	16.8	<5	<0.1	29.0	<0.2	0.9	1.1	<0.005	<0.1	<5	
E6561173 (9243180)	<1	7.67	26	<20	151	<5	0.1	5.99	<0.2	9.5	49.1	0.021	0.3	28	
E6561174 (9243181)	1	7.39	20	<20	164	<5	<0.1	6.03	<0.2	8.2	54.6	0.019	1.8	29	
E6561175 (9243182)	<1	7.10	30	<20	196	<5	0.1	6.59	<0.2	8.5	57.6	0.019	0.7	37	
E6561176 (9243183)	<1	7.05	34	<20	228	<5	0.1	5.61	0.2	9.7	52.9	0.021	0.3	28	
E6561177 (9243184)	1	7.15	28	<20	247	<5	0.2	5.98	<0.2	11.2	44.7	0.018	0.3	28	
E6561178 (9243185)	2	7.28	27	<20	251	<5	0.2	6.28	<0.2	10.8	43.0	0.019	0.3	29	
E6561179 (9243186)	4	7.17	26	<20	167	<5	0.2	2.68	<0.2	6.1	48.2	0.018	0.4	10	
E6561180 (9243187)	3	7.81	28	<20	210	<5	1.0	4.07	0.4	12.1	35.4	0.020	0.4	9	
E6561181 (9243188)	8	6.19	12800	<20	44.7	<5	1190	3.06	<0.2	21.5	2570	0.017	0.2	277	
E6561182 (9243189)	1	7.04	117	<20	167	<5	56.2	6.15	<0.2	9.4	48.9	0.020	0.3	92	
E6561183 (9243190)	1	7.56	72	<20	187	<5	6.3	4.87	<0.2	9.8	49.1	0.020	0.4	66	
E6561184 (9243191)	<1	7.93	29	<20	164	<5	1.2	5.78	<0.2	9.1	50.1	0.021	0.3	33	
E6561185 (9243192)	<1	7.70	<5	<20	193	<5	0.3	6.01	<0.2	9.9	43.6	0.022	0.2	82	
E6561186 (9243193)	<1	4.56	576	104	173	<5	8.0	3.96	0.2	73.7	957	0.007	2.7	3030	
E6561187 (9243194)	<1	8.07	<5	<20	166	<5	0.3	7.64	<0.2	10.2	56.2	0.025	0.2	96	
E6561188 (9243195)	<1	7.71	8	<20	161	<5	0.2	7.92	<0.2	9.9	62.8	0.022	0.2	86	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6561189 (9243196)		<1	8.40	<5	<20	147	<5	0.1	6.61	<0.2	10.3	51.0	0.021	0.2	64
E6561190 (9243197)		<1	7.35	<5	<20	120	<5	0.1	7.33	<0.2	9.1	53.5	0.023	0.2	67
E6561191 (9243198)		<1	7.56	<5	<20	162	<5	0.1	7.46	<0.2	12.0	55.5	0.023	0.3	73
E6561192 (9243199)		<1	0.07	<5	<20	12.6	<5	<0.1	31.9	<0.2	0.9	0.9	<0.005	<0.1	5
E6561193 (9243200)		<1	8.13	<5	<20	111	<5	0.1	8.21	<0.2	9.9	49.0	0.022	0.1	56
E6561194 (9243201)		<1	8.00	<5	26	113	<5	0.1	7.49	<0.2	10.1	60.1	0.023	0.2	121
E6561195 (9243202)		<1	8.29	<5	<20	187	<5	<0.1	7.66	<0.2	10.7	65.7	0.023	0.4	118
E6561196 (9243203)		<1	8.13	<5	<20	147	<5	0.1	8.02	<0.2	10.0	61.5	0.025	0.3	124

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6561125 (9243132)	3.88	2.45	0.84	6.33	17.9	3.24	1	2	0.81	<0.2	0.77	3.8	23	0.36
E6561126 (9243133)	3.26	1.85	0.89	3.09	11.5	4.48	1	4	0.68	0.2	3.04	35.6	<10	0.30
E6561127 (9243134)	3.74	2.37	0.86	6.37	18.9	3.23	1	2	0.86	<0.2	0.79	3.6	18	0.35
E6561128 (9243135)	4.35	2.84	0.84	9.67	17.7	3.66	2	2	0.99	<0.2	0.48	3.8	<10	0.50
E6561129 (9243136)	3.79	2.58	0.85	7.70	16.6	3.59	1	2	0.88	<0.2	0.61	3.8	16	0.39
E6561130 (9243137)	3.65	2.13	0.76	6.10	18.0	3.09	1	2	0.76	<0.2	0.74	3.3	24	0.35
E6561131 (9243138)	4.13	2.67	0.84	7.11	17.4	3.64	1	2	0.89	<0.2	0.65	5.1	21	0.43
E6561132 (9243139)	0.23	0.15	0.06	0.10	0.19	0.24	<1	<1	0.06	<0.2	<0.05	1.1	<10	<0.05
E6561133 (9243140)	3.77	2.56	1.82	8.30	17.5	3.29	2	2	0.85	<0.2	0.83	3.5	19	0.39
E6561134 (9243141)	3.98	2.58	1.28	8.68	17.3	3.28	2	2	0.91	<0.2	0.75	3.4	17	0.45
E6561135 (9243142)	3.94	2.54	0.84	7.42	19.2	3.17	2	2	0.80	<0.2	0.80	3.5	17	0.36
E6561136 (9243143)	3.60	2.14	0.80	5.52	18.9	3.10	1	2	0.72	<0.2	0.78	3.5	27	0.30
E6561137 (9243144)	3.97	2.63	0.76	11.2	18.0	3.23	2	2	0.83	<0.2	1.08	3.4	24	0.38
E6561138 (9243145)	4.15	2.64	0.82	8.91	18.2	3.41	2	2	0.83	<0.2	0.83	3.5	19	0.39
E6561139 (9243146)	4.40	2.85	0.82	9.13	17.7	3.66	2	2	0.90	<0.2	0.81	3.6	21	0.43
E6561140 (9243147)	3.89	2.31	0.86	6.67	18.5	3.17	2	2	0.75	<0.2	0.91	3.3	27	0.31
E6561141 (9243148)	3.87	2.44	0.87	8.89	17.4	3.23	1	2	0.78	<0.2	0.85	3.8	18	0.37
E6561142 (9243149)	3.99	2.68	0.96	8.22	17.4	3.24	1	2	0.81	<0.2	0.41	4.0	17	0.37
E6561143 (9243150)	4.34	2.88	0.87	8.85	17.1	3.61	1	2	0.93	<0.2	1.04	4.0	27	0.42
E6561144 (9243151)	4.58	2.91	0.87	10.5	17.0	3.63	2	2	0.91	<0.2	0.79	3.8	21	0.44
E6561145 (9243152)	5.85	3.42	0.78	8.46	13.7	5.50	1	2	1.10	0.3	0.74	7.1	37	0.41
E6561146 (9243153)	13.9	6.69	0.95	8.34	15.7	13.0	2	<1	2.39	0.5	<0.05	11.7	36	0.68
E6561147 (9243154)	4.51	2.83	0.89	7.76	17.2	3.69	1	2	0.87	<0.2	1.21	5.0	31	0.38
E6561148 (9243155)	4.16	2.71	0.82	9.28	17.5	3.53	2	2	0.86	<0.2	1.03	4.6	30	0.42
E6561149 (9243156)	8.41	4.42	0.97	7.88	15.3	10.8	2	2	1.57	0.5	0.57	15.8	39	0.56
E6561150 (9243157)	3.94	2.70	0.84	9.52	16.4	3.25	2	2	0.88	<0.2	0.70	3.5	18	0.40
E6561151 (9243158)	4.21	2.69	0.86	9.08	18.2	3.59	2	2	0.88	<0.2	0.75	3.7	19	0.42
E6561152 (9243159)	0.24	0.18	<0.05	0.11	0.23	0.32	1	<1	0.06	<0.2	<0.05	1.1	<10	<0.05
E6561153 (9243160)	4.44	2.10	1.89	6.97	17.3	6.91	1	4	0.75	<0.2	1.05	26.3	56	0.25
E6561154 (9243161)	4.17	2.72	0.84	8.82	17.7	3.64	2	2	0.85	<0.2	0.89	4.3	24	0.38
E6561155 (9243162)	4.13	2.84	0.90	9.17	18.5	3.48	2	2	0.85	<0.2	0.56	3.7	22	0.40
E6561156 (9243163)	4.70	3.04	1.07	7.36	19.1	3.98	2	2	0.98	<0.2	0.63	4.1	19	0.44

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6561157 (9243164)	4.12	2.69	0.88	7.13	19.3	3.64	2	2	0.85	<0.2	0.73	4.0	22	0.37
E6561158 (9243165)	4.13	2.62	0.86	7.34	18.9	3.46	1	2	0.85	<0.2	0.74	4.1	23	0.36
E6561159 (9243166)	3.88	2.48	0.79	5.95	17.5	3.37	1	2	0.79	<0.2	0.73	3.5	24	0.32
E6561160 (9243167)	3.94	2.38	0.91	7.76	16.5	3.30	1	2	0.80	<0.2	0.55	4.9	25	0.37
E6561161 (9243168)	4.30	2.73	0.92	8.02	17.8	3.64	1	2	0.86	<0.2	1.01	4.4	27	0.40
E6561162 (9243169)	4.43	2.80	0.91	7.96	16.1	3.80	1	2	0.89	<0.2	0.73	4.4	19	0.41
E6561163 (9243170)	2.78	1.92	0.73	8.82	23.1	2.19	2	2	0.57	<0.2	0.20	3.5	11	0.31
E6561164 (9243171)	4.88	3.16	1.17	8.61	26.0	3.90	2	2	0.98	<0.2	0.16	5.6	<10	0.39
E6561165 (9243172)	4.78	3.11	1.09	8.76	20.4	3.87	2	2	0.99	<0.2	0.64	5.0	17	0.50
E6561166 (9243173)	3.38	2.02	0.93	3.05	11.2	4.32	2	5	0.64	0.2	3.21	36.9	11	0.30
E6561167 (9243174)	4.59	2.96	0.92	8.40	18.4	3.75	2	2	0.94	<0.2	0.77	4.1	15	0.42
E6561168 (9243175)	4.57	2.94	0.83	9.33	18.2	3.78	2	2	0.96	<0.2	0.66	4.2	15	0.48
E6561169 (9243176)	3.88	2.51	0.88	6.97	20.0	3.48	1	2	0.81	<0.2	0.63	4.0	20	0.32
E6561170 (9243177)	4.00	2.56	0.88	5.17	20.4	3.31	1	2	0.79	<0.2	0.48	3.9	20	0.35
E6561171 (9243178)	3.86	2.48	0.81	6.40	19.7	3.32	1	2	0.78	<0.2	0.68	3.8	20	0.34
E6561172 (9243179)	0.20	0.14	<0.05	0.09	0.21	0.24	<1	<1	<0.05	<0.2	<0.05	1.0	<10	<0.05
E6561173 (9243180)	3.72	2.41	0.87	6.23	17.2	3.29	1	2	0.76	<0.2	0.55	3.6	21	0.31
E6561174 (9243181)	3.75	2.38	0.76	6.62	17.0	3.13	2	2	0.75	<0.2	0.71	3.0	28	0.34
E6561175 (9243182)	3.64	2.36	0.72	7.53	16.2	2.99	2	2	0.73	<0.2	0.80	3.2	26	0.31
E6561176 (9243183)	3.65	2.44	0.76	7.12	15.0	3.26	1	2	0.77	<0.2	0.72	3.6	25	0.36
E6561177 (9243184)	3.61	2.39	0.79	6.46	17.3	3.19	2	2	0.75	<0.2	0.78	4.9	25	0.33
E6561178 (9243185)	3.66	2.28	0.83	6.50	17.2	3.16	1	2	0.75	<0.2	0.78	4.9	27	0.33
E6561179 (9243186)	2.64	1.84	0.47	6.36	15.3	2.10	1	2	0.57	<0.2	0.91	2.4	68	0.27
E6561180 (9243187)	3.40	2.09	0.80	6.01	17.3	3.06	1	2	0.63	<0.2	1.03	5.7	52	0.31
E6561181 (9243188)	4.20	2.49	0.70	10.4	18.0	4.51	1	2	0.79	0.2	0.25	10.2	58	0.35
E6561182 (9243189)	4.19	2.80	0.81	7.30	16.6	3.38	1	2	0.83	<0.2	0.59	3.8	26	0.41
E6561183 (9243190)	3.57	2.28	0.74	6.36	15.7	3.17	1	2	0.72	<0.2	0.71	4.0	31	0.34
E6561184 (9243191)	3.79	2.53	0.76	7.10	17.1	3.30	1	2	0.81	<0.2	0.62	3.4	24	0.33
E6561185 (9243192)	4.17	2.87	0.84	7.37	17.1	3.78	2	2	0.93	<0.2	0.65	3.7	23	0.42
E6561186 (9243193)	3.28	2.03	0.92	3.15	11.7	4.54	2	5	0.63	0.2	3.22	35.3	<10	0.29
E6561187 (9243194)	4.51	2.95	0.90	8.31	18.6	3.66	2	2	0.89	<0.2	0.55	3.9	17	0.45
E6561188 (9243195)	4.20	2.93	0.82	8.62	17.6	3.39	1	2	0.93	<0.2	0.49	3.7	18	0.42

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6561189 (9243196)		4.25	2.62	0.84	7.62	18.3	3.49	2	2	0.86	<0.2	0.55	3.9	21	0.37
E6561190 (9243197)		4.23	2.55	0.82	7.22	17.6	3.20	2	2	0.86	<0.2	0.40	3.4	16	0.39
E6561191 (9243198)		4.08	2.69	0.84	7.69	16.8	3.61	1	2	0.85	<0.2	0.51	4.8	21	0.37
E6561192 (9243199)		0.23	0.17	0.05	0.10	0.18	0.23	<1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6561193 (9243200)		4.08	2.62	0.81	7.75	17.6	3.30	2	2	0.81	<0.2	0.45	3.8	23	0.41
E6561194 (9243201)		4.08	2.72	0.93	7.54	17.5	3.48	1	2	0.87	<0.2	0.38	3.9	23	0.39
E6561195 (9243202)		4.42	2.81	1.09	8.37	17.3	3.55	1	2	0.93	<0.2	0.57	4.1	24	0.44
E6561196 (9243203)		4.22	2.66	0.92	7.79	17.0	3.55	1	2	0.87	<0.2	0.44	3.8	20	0.38

Certified By:



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PROJECT: DDH-127D

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018	DATE RECEIVED: May 15, 2018					DATE REPORTED: Jun 13, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561125 (9243132)	1.76	1670	4	2	7.8	67	0.04	7	1.46	42.2	0.27	0.7	39	22.2	
E6561126 (9243133)	2.32	427	12	8	30.8	163	0.07	12	7.72	110	1.45	1.5	6	25.9	
E6561127 (9243134)	1.69	1700	5	3	7.8	60	0.04	7	1.40	42.6	0.39	0.6	38	21.0	
E6561128 (9243135)	2.00	1970	5	2	7.6	92	0.03	14	1.34	18.1	1.52	2.0	40	18.5	
E6561129 (9243136)	1.89	1950	3	2	8.1	84	0.03	10	1.47	28.0	0.52	1.2	41	20.8	
E6561130 (9243137)	1.78	1840	3	2	7.7	73	0.04	13	1.38	44.9	0.23	0.6	39	22.4	
E6561131 (9243138)	2.19	1940	5	2	9.4	84	0.03	172	1.79	38.9	0.45	2.2	40	19.2	
E6561132 (9243139)	1.75	50	<2	<1	0.9	<5	<0.01	<5	0.19	0.4	<0.01	<0.1	<5	3.81	
E6561133 (9243140)	2.07	1850	4	2	7.8	74	0.03	34	1.34	41.2	0.49	2.5	39	19.9	
E6561134 (9243141)	2.37	2020	3	2	7.4	82	0.03	44	1.35	37.0	0.66	3.4	41	19.8	
E6561135 (9243142)	1.96	1930	4	2	6.7	77	0.04	43	1.40	30.7	0.40	4.5	44	23.7	
E6561136 (9243143)	1.63	1620	3	2	6.8	58	0.03	573	1.35	41.5	0.34	1.4	37	25.7	
E6561137 (9243144)	2.39	2060	4	2	7.0	74	0.04	26	1.41	32.4	0.63	3.6	40	30.3	
E6561138 (9243145)	2.40	2220	4	2	7.2	78	0.04	27	1.34	33.1	0.71	3.8	43	23.7	
E6561139 (9243146)	2.66	2390	5	2	7.3	90	0.03	29	1.50	30.8	0.87	4.1	49	21.7	
E6561140 (9243147)	1.96	1920	3	2	6.9	73	0.04	24	1.38	46.1	0.31	2.2	43	24.8	
E6561141 (9243148)	2.43	1960	4	2	6.9	83	0.03	112	1.40	32.1	1.43	6.2	45	23.8	
E6561142 (9243149)	2.15	1710	4	2	7.1	84	0.03	114	1.52	17.4	1.71	6.4	43	22.9	
E6561143 (9243150)	2.59	1960	3	2	7.5	87	0.03	45	1.55	38.2	1.09	4.8	47	23.6	
E6561144 (9243151)	2.71	2440	4	2	7.4	115	0.04	118	1.52	32.9	1.72	9.3	46	22.8	
E6561145 (9243152)	2.13	1750	13	2	12.5	331	0.03	114	2.70	30.6	1.99	26.7	35	18.9	
E6561146 (9243153)	3.70	2440	199	1	23.1	5250	0.04	<5	4.73	2.3	1.92	176	19	8.74	
E6561147 (9243154)	2.46	2080	3	2	8.8	82	0.03	112	1.82	51.2	0.75	6.3	42	22.9	
E6561148 (9243155)	2.79	2380	2	2	7.8	101	0.04	68	1.62	43.9	1.18	5.7	42	22.6	
E6561149 (9243156)	2.64	2260	11	2	26.9	89	0.03	119	5.92	23.0	0.69	12.4	36	18.5	
E6561150 (9243157)	2.64	2390	2	2	6.8	87	0.03	28	1.33	25.4	0.79	9.7	42	21.3	
E6561151 (9243158)	2.82	2400	3	2	7.3	102	0.04	12	1.43	27.1	0.65	7.3	48	22.2	
E6561152 (9243159)	2.45	70	<2	<1	0.9	<5	0.01	<5	0.19	0.4	<0.01	<0.1	<5	3.74	
E6561153 (9243160)	5.38	1720	<2	6	33.2	236	0.21	49	7.83	48.2	0.13	1.2	22	22.7	
E6561154 (9243161)	2.74	2280	3	2	8.0	107	0.04	8	1.64	37.8	0.43	3.2	45	22.8	
E6561155 (9243162)	2.63	2280	3	2	7.4	99	0.04	27	1.46	19.6	0.71	4.6	45	21.7	
E6561156 (9243163)	1.99	1780	2	2	8.9	92	0.04	35	1.71	25.8	0.47	4.2	44	21.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6561157 (9243164)	2.12	1800	5	2	7.4	79	0.04	92	1.53	32.3	0.27	2.4	44	22.4
E6561158 (9243165)	2.18	1860	5	2	7.5	83	0.04	94	1.52	31.5	0.26	2.4	45	23.3
E6561159 (9243166)	2.06	1660	3	2	7.2	64	0.04	42	1.45	33.0	0.18	1.2	41	24.5
E6561160 (9243167)	2.63	1950	2	2	7.6	93	0.05	24	1.66	23.7	0.28	1.7	44	22.1
E6561161 (9243168)	2.64	1820	2	2	7.7	94	0.04	23	1.59	36.3	0.41	2.4	47	23.6
E6561162 (9243169)	2.69	1800	3	2	7.7	94	0.04	8	1.59	26.0	0.29	2.3	49	23.7
E6561163 (9243170)	2.31	1690	2	3	4.5	89	0.06	10	0.95	5.8	0.15	7.0	41	20.0
E6561164 (9243171)	1.78	1580	3	3	8.6	80	0.02	8	1.85	5.4	0.10	8.3	41	19.9
E6561165 (9243172)	2.47	1710	3	2	9.7	104	0.03	33	1.83	21.6	0.74	4.3	47	21.4
E6561166 (9243173)	2.32	448	12	8	31.0	156	0.06	12	8.68	105	1.44	1.5	6	26.3
E6561167 (9243174)	2.20	2020	5	2	7.9	94	0.04	9	1.62	29.9	0.80	2.0	47	22.1
E6561168 (9243175)	2.49	2060	3	2	7.7	87	0.03	12	1.56	20.9	0.95	1.8	48	21.6
E6561169 (9243176)	1.73	1500	2	3	7.6	60	0.04	6	1.55	25.6	0.72	0.9	43	24.4
E6561170 (9243177)	1.58	1350	<2	2	7.8	49	0.04	5	1.57	23.8	0.24	0.4	40	23.3
E6561171 (9243178)	1.88	1310	2	2	7.4	97	0.03	9	1.47	29.8	0.46	9.8	42	21.6
E6561172 (9243179)	2.05	60	<2	<1	0.7	<5	<0.01	<5	0.18	<0.2	<0.01	<0.1	<5	3.43
E6561173 (9243180)	2.22	1460	2	2	7.2	122	0.02	8	1.43	25.2	0.18	1.6	41	20.6
E6561174 (9243181)	2.57	1480	5	2	6.2	177	0.03	7	1.27	46.2	0.14	1.4	39	21.4
E6561175 (9243182)	3.33	1720	4	2	6.5	144	0.03	9	1.29	44.3	0.18	1.8	38	20.4
E6561176 (9243183)	3.39	1770	4	2	6.9	151	0.03	10	1.40	32.6	0.18	1.7	42	21.1
E6561177 (9243184)	2.86	1430	4	2	7.2	109	0.03	10	1.53	32.1	0.13	3.8	37	20.5
E6561178 (9243185)	2.85	1470	4	2	7.2	113	0.03	10	1.51	32.2	0.14	3.5	38	20.8
E6561179 (9243186)	3.16	1550	3	2	4.3	122	0.03	6	0.91	31.0	0.10	7.0	50	21.9
E6561180 (9243187)	2.99	1190	4	2	7.6	102	0.03	37	1.65	33.0	0.19	4.1	39	23.0
E6561181 (9243188)	3.37	1760	16	2	12.3	101	0.02	125	2.77	8.5	2.93	15.9	43	16.6
E6561182 (9243189)	2.73	1720	2	2	7.0	74	0.02	36	1.40	20.8	0.26	8.2	45	20.7
E6561183 (9243190)	2.45	1750	2	2	6.8	84	0.03	14	1.36	28.6	0.17	2.0	41	22.7
E6561184 (9243191)	2.35	1810	3	2	6.7	80	0.03	8	1.37	21.2	0.24	2.3	42	24.0
E6561185 (9243192)	2.33	2090	3	2	7.4	131	0.03	7	1.47	24.9	0.25	1.2	44	22.4
E6561186 (9243193)	2.40	474	12	8	30.3	165	0.07	11	8.45	110	1.46	1.6	7	26.9
E6561187 (9243194)	2.35	2080	4	2	7.7	93	0.03	6	1.50	17.8	0.42	1.4	49	22.5
E6561188 (9243195)	2.72	2160	3	2	7.6	95	0.04	5	1.52	15.8	0.41	1.5	48	22.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6561189 (9243196)		2.34	1910	3	2	7.6	81	0.03	5	1.59	18.1	0.23	0.7	42	23.6
E6561190 (9243197)		2.12	1900	5	2	7.0	90	0.03	6	1.37	13.4	0.25	0.6	41	21.2
E6561191 (9243198)		2.30	2000	4	2	8.5	88	0.03	6	1.72	17.3	0.26	0.5	41	21.9
E6561192 (9243199)		1.77	55	<2	<1	0.8	<5	<0.01	<5	0.19	0.2	<0.01	0.1	<5	3.22
E6561193 (9243200)		2.23	1950	4	2	7.2	95	0.04	6	1.49	13.2	0.19	0.5	44	23.1
E6561194 (9243201)		2.15	1960	4	2	7.6	88	0.03	8	1.54	12.4	0.38	0.4	46	23.3
E6561195 (9243202)		2.64	2340	6	2	7.8	111	0.04	6	1.57	19.4	0.33	0.5	50	23.2
E6561196 (9243203)		2.44	2330	5	2	7.5	92	0.04	6	1.53	14.5	0.28	0.7	46	23.5

Certified By:



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AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018	DATE RECEIVED: May 15, 2018					DATE REPORTED: Jun 13, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6561125 (9243132)	2.4	<1	124	<0.5	0.57	0.5	0.63	<0.5	0.35	0.12	274	5	20.0	2.4	
E6561126 (9243133)	5.5	<1	25.5	<0.5	0.63	9.8	0.21	0.8	0.29	6.28	53	4	18.6	1.9	
E6561127 (9243134)	2.4	<1	120	<0.5	0.55	0.5	0.60	<0.5	0.36	0.11	261	3	22.2	2.4	
E6561128 (9243135)	2.5	<1	126	<0.5	0.64	0.4	0.52	<0.5	0.43	0.11	255	7	24.5	3.1	
E6561129 (9243136)	2.7	<1	107	<0.5	0.60	0.4	0.60	<0.5	0.38	0.10	273	5	22.8	2.5	
E6561130 (9243137)	2.4	<1	136	<0.5	0.56	0.7	0.64	<0.5	0.34	0.10	266	3	20.7	2.2	
E6561131 (9243138)	2.8	<1	129	<0.5	0.63	0.4	0.57	<0.5	0.39	0.26	280	2	24.6	2.8	
E6561132 (9243139)	0.2	<1	53.0	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.20	<5	<1	2.2	0.1	
E6561133 (9243140)	2.5	<1	124	<0.5	0.57	0.4	0.58	<0.5	0.36	0.11	267	3	22.5	2.4	
E6561134 (9243141)	2.5	<1	121	<0.5	0.57	0.3	0.57	<0.5	0.41	0.10	274	4	23.2	2.6	
E6561135 (9243142)	2.4	<1	159	<0.5	0.57	0.4	0.65	<0.5	0.33	0.09	304	4	21.2	2.4	
E6561136 (9243143)	2.3	<1	129	<0.5	0.52	0.4	0.66	<0.5	0.29	0.08	275	2	19.6	2.1	
E6561137 (9243144)	2.4	<1	126	<0.5	0.58	0.4	0.84	<0.5	0.37	0.07	268	3	22.7	2.6	
E6561138 (9243145)	2.4	<1	137	<0.5	0.58	0.4	0.65	<0.5	0.39	0.08	291	3	23.2	2.5	
E6561139 (9243146)	2.6	2	125	<0.5	0.62	0.3	0.59	<0.5	0.41	0.08	320	3	24.8	2.9	
E6561140 (9243147)	2.4	<1	144	<0.5	0.56	0.4	0.67	<0.5	0.35	0.10	301	3	21.4	2.2	
E6561141 (9243148)	2.3	<1	144	<0.5	0.55	0.3	0.61	<0.5	0.36	0.13	300	2	22.3	2.4	
E6561142 (9243149)	2.4	<1	148	<0.5	0.56	0.3	0.58	<0.5	0.36	0.16	278	2	22.1	2.5	
E6561143 (9243150)	2.5	<1	154	<0.5	0.62	0.3	0.63	<0.5	0.42	0.14	311	2	24.0	2.9	
E6561144 (9243151)	2.6	<1	145	<0.5	0.64	0.6	0.61	<0.5	0.41	0.11	304	2	24.0	2.9	
E6561145 (9243152)	4.4	<1	81.3	<0.5	0.94	0.4	0.52	<0.5	0.45	1.62	244	2	28.8	3.1	
E6561146 (9243153)	9.7	<1	15.3	<0.5	2.15	0.8	0.19	<0.5	0.84	24.4	144	<1	70.6	5.0	
E6561147 (9243154)	3.0	<1	145	<0.5	0.62	0.4	0.63	<0.5	0.40	0.14	291	2	23.3	2.7	
E6561148 (9243155)	2.7	<1	153	<0.5	0.62	0.4	0.61	0.6	0.37	0.14	295	3	23.4	2.7	
E6561149 (9243156)	9.3	<1	71.2	<0.5	1.53	0.3	0.51	<0.5	0.60	1.07	263	3	47.8	4.0	
E6561150 (9243157)	2.4	<1	129	<0.5	0.58	0.3	0.56	<0.5	0.40	0.12	286	3	23.3	2.7	
E6561151 (9243158)	2.6	<1	173	<0.5	0.61	0.4	0.63	<0.5	0.40	0.11	317	2	23.7	2.8	
E6561152 (9243159)	0.2	<1	48.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.16	<5	<1	2.2	0.1	
E6561153 (9243160)	7.7	<1	302	<0.5	0.86	3.0	0.67	<0.5	0.25	0.84	170	1	20.5	1.7	
E6561154 (9243161)	2.7	<1	206	<0.5	0.62	0.5	0.64	<0.5	0.39	0.14	303	2	22.8	2.5	
E6561155 (9243162)	2.4	<1	154	<0.5	0.57	0.4	0.61	<0.5	0.39	0.11	304	2	23.2	2.7	
E6561156 (9243163)	3.0	1	151	<0.5	0.65	0.4	0.59	<0.5	0.41	0.11	366	4	24.4	3.0	

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AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

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 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561157 (9243164)	2.6	<1	161	<0.5	0.60	0.4	0.63	<0.5	0.41	0.13	293	3	23.2	2.6
E6561158 (9243165)	2.6	<1	166	<0.5	0.56	0.4	0.65	<0.5	0.36	0.13	304	3	22.9	2.4
E6561159 (9243166)	2.5	<1	167	<0.5	0.58	0.4	0.65	<0.5	0.35	0.11	286	1	20.9	2.3
E6561160 (9243167)	2.4	<1	146	<0.5	0.57	0.4	0.62	<0.5	0.35	0.24	290	1	21.6	2.4
E6561161 (9243168)	2.6	<1	178	<0.5	0.59	0.4	0.66	<0.5	0.38	0.13	315	1	23.4	2.7
E6561162 (9243169)	2.7	<1	171	<0.5	0.62	0.4	0.66	<0.5	0.39	0.15	313	1	23.8	2.8
E6561163 (9243170)	1.6	<1	319	<0.5	0.38	0.3	0.60	<0.5	0.27	0.20	242	<1	16.4	1.9
E6561164 (9243171)	3.0	<1	365	<0.5	0.70	0.6	0.54	<0.5	0.45	0.28	318	1	27.7	3.0
E6561165 (9243172)	3.0	1	202	<0.5	0.69	0.4	0.61	<0.5	0.46	0.14	370	2	26.1	3.2
E6561166 (9243173)	5.8	<1	28.9	0.6	0.59	10.2	0.23	0.7	0.29	6.41	54	4	18.1	1.9
E6561167 (9243174)	2.7	<1	190	<0.5	0.65	0.6	0.62	<0.5	0.43	0.10	308	2	24.9	2.8
E6561168 (9243175)	2.7	<1	169	<0.5	0.63	0.4	0.62	<0.5	0.45	0.12	323	2	26.2	3.0
E6561169 (9243176)	2.6	<1	161	<0.5	0.60	0.5	0.70	<0.5	0.34	0.11	296	2	22.1	2.2
E6561170 (9243177)	2.5	<1	147	<0.5	0.56	0.4	0.64	<0.5	0.36	0.12	290	1	21.2	2.2
E6561171 (9243178)	2.6	<1	163	<0.5	0.55	0.4	0.60	<0.5	0.35	0.11	293	2	21.8	2.4
E6561172 (9243179)	0.2	<1	47.6	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.2	0.1
E6561173 (9243180)	2.4	<1	145	<0.5	0.57	0.4	0.57	<0.5	0.35	0.15	254	1	20.8	2.3
E6561174 (9243181)	2.2	<1	140	<0.5	0.53	0.4	0.56	<0.5	0.36	0.10	262	2	20.2	2.3
E6561175 (9243182)	2.2	<1	154	<0.5	0.49	0.3	0.52	<0.5	0.31	0.10	255	<1	19.4	2.2
E6561176 (9243183)	2.3	<1	141	<0.5	0.57	0.4	0.53	<0.5	0.36	0.13	281	<1	20.0	2.3
E6561177 (9243184)	2.3	<1	158	<0.5	0.52	0.3	0.53	<0.5	0.34	0.11	254	1	20.1	2.3
E6561178 (9243185)	2.4	3	163	<0.5	0.51	0.3	0.53	<0.5	0.32	0.11	260	1	20.0	2.3
E6561179 (9243186)	1.5	<1	78.6	<0.5	0.38	0.3	0.55	<0.5	0.26	0.10	250	1	14.0	1.8
E6561180 (9243187)	2.4	1	102	<0.5	0.51	0.3	0.58	<0.5	0.31	0.12	272	2	17.5	2.0
E6561181 (9243188)	3.5	<1	49.8	<0.5	0.64	0.3	0.46	5.7	0.36	0.86	302	1	22.8	2.5
E6561182 (9243189)	2.4	<1	123	<0.5	0.58	0.3	0.55	<0.5	0.39	0.18	291	1	22.8	2.9
E6561183 (9243190)	2.2	<1	129	<0.5	0.53	0.3	0.56	<0.5	0.33	0.23	275	1	20.1	2.3
E6561184 (9243191)	2.3	<1	134	<0.5	0.54	0.3	0.60	<0.5	0.35	0.11	283	1	20.8	2.4
E6561185 (9243192)	2.7	<1	148	<0.5	0.64	0.4	0.61	<0.5	0.40	0.11	301	3	22.0	2.8
E6561186 (9243193)	5.7	<1	31.7	0.6	0.62	10.2	0.23	0.7	0.31	6.57	57	4	18.2	1.9
E6561187 (9243194)	2.6	<1	162	<0.5	0.64	0.5	0.62	<0.5	0.43	0.11	318	2	24.1	2.9
E6561188 (9243195)	2.5	<1	150	<0.5	0.61	0.4	0.60	<0.5	0.41	0.12	325	1	23.7	2.8

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6561189 (9243196)	2.6	<1	122	<0.5	0.58	0.4	0.64	<0.5	0.39	0.11	291	2	22.4	2.6
E6561190 (9243197)	2.4	<1	117	<0.5	0.59	0.4	0.57	<0.5	0.37	0.11	275	3	21.8	2.5
E6561191 (9243198)	2.5	<1	115	<0.5	0.59	0.4	0.59	<0.5	0.38	0.11	283	2	21.8	2.6
E6561192 (9243199)	0.2	<1	56.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.2	0.1
E6561193 (9243200)	2.6	<1	135	<0.5	0.57	0.4	0.64	<0.5	0.40	0.10	301	2	22.2	2.7
E6561194 (9243201)	2.6	3	135	<0.5	0.60	0.3	0.62	<0.5	0.38	0.11	305	3	22.5	2.5
E6561195 (9243202)	2.6	2	148	<0.5	0.62	0.4	0.65	<0.5	0.43	0.10	308	2	24.1	2.8
E6561196 (9243203)	2.6	<1	147	<0.5	0.60	0.4	0.63	<0.5	0.40	0.14	307	3	22.6	2.7

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm	ppm
E6561125 (9243132)		74	63.6
E6561126 (9243133)		5	166
E6561127 (9243134)		65	65.5
E6561128 (9243135)		82	56.4
E6561129 (9243136)		84	61.2
E6561130 (9243137)		84	63.2
E6561131 (9243138)		147	60.9
E6561132 (9243139)		<5	2.3
E6561133 (9243140)		83	60.0
E6561134 (9243141)		93	60.4
E6561135 (9243142)		97	59.8
E6561136 (9243143)		88	61.7
E6561137 (9243144)		121	60.1
E6561138 (9243145)		109	61.0
E6561139 (9243146)		121	59.0
E6561140 (9243147)		81	62.7
E6561141 (9243148)		173	56.3
E6561142 (9243149)		97	57.4
E6561143 (9243150)		113	61.2
E6561144 (9243151)		365	58.9
E6561145 (9243152)		107	52.9
E6561146 (9243153)		48	31.5
E6561147 (9243154)		163	63.5
E6561148 (9243155)		267	60.0
E6561149 (9243156)		200	52.8
E6561150 (9243157)		113	57.4
E6561151 (9243158)		112	61.0
E6561152 (9243159)		<5	2.1
E6561153 (9243160)		137	145
E6561154 (9243161)		108	65.3
E6561155 (9243162)		115	61.2
E6561156 (9243163)		94	66.5

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561157 (9243164)		414	66.3
E6561158 (9243165)		421	64.7
E6561159 (9243166)		108	65.9
E6561160 (9243167)		110	64.1
E6561161 (9243168)		326	62.5
E6561162 (9243169)		70	63.6
E6561163 (9243170)		49	61.2
E6561164 (9243171)		57	54.4
E6561165 (9243172)		73	65.3
E6561166 (9243173)		6	167
E6561167 (9243174)		76	63.2
E6561168 (9243175)		96	62.7
E6561169 (9243176)		68	68.1
E6561170 (9243177)		67	70.5
E6561171 (9243178)		90	65.0
E6561172 (9243179)		<5	2.7
E6561173 (9243180)		58	61.6
E6561174 (9243181)		62	59.2
E6561175 (9243182)		70	54.5
E6561176 (9243183)		97	55.9
E6561177 (9243184)		48	56.1
E6561178 (9243185)		51	56.0
E6561179 (9243186)		46	58.3
E6561180 (9243187)		128	58.2
E6561181 (9243188)		77	55.6
E6561182 (9243189)		57	58.8
E6561183 (9243190)		59	58.2
E6561184 (9243191)		55	60.6
E6561185 (9243192)		66	61.0
E6561186 (9243193)		7	169
E6561187 (9243194)		65	62.0
E6561188 (9243195)		67	59.9

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TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561189 (9243196)		68	62.9
E6561190 (9243197)		68	60.6
E6561191 (9243198)		67	58.8
E6561192 (9243199)		<5	2.0
E6561193 (9243200)		62	61.0
E6561194 (9243201)		81	60.9
E6561195 (9243202)		83	62.1
E6561196 (9243203)		99	62.6

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 14, 2018

DATE RECEIVED: May 15, 2018

DATE REPORTED: Jun 13, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Pass % % 0.01
E6561125 (9243132)		78
E6561127 (9243134)		84
E6561135 (9243142)		82
E6561145 (9243152)		92
E6561155 (9243162)		87
E6561165 (9243172)		86
E6561175 (9243182)		88
E6561185 (9243192)		85
E6561189 (9243196)		88
E6561195 (9243202)		87

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9243132	< 1	< 1	0.0%	9243135	< 1	< 1	0.0%	9243155	2	2	0.0%	9243157	1	1	0.0%
Al	9243143	8.39	8.27	1.4%	9243155	7.80	7.27	7.0%	9243157	6.98	7.41	6.0%	9243167	7.58	7.88	3.9%
As	9243132	18	17	5.7%	9243135	< 5	< 5	0.0%	9243155	1310	1310	0.0%	9243167	48	50	4.1%
B	9243143	22	< 20		9243155	< 20	< 20	0.0%	9243157	< 20	< 20	0.0%	9243167	< 20	< 20	0.0%
Ba	9243143	205	194	5.5%	9243155	268	274	2.2%	9243157	251	259	3.1%	9243167	169	175	3.5%
Be	9243132	< 5	< 5	0.0%	9243135	< 5	< 5	0.0%	9243155	< 5	< 5	0.0%	9243157	< 5	< 5	0.0%
Bi	9243132	0.1	0.1	0.0%	9243135	0.2	0.2	0.0%	9243155	23.2	25.5	9.4%	9243157	2.8	3.4	19.4%
Ca	9243143	4.17	4.04	3.2%	9243155	6.01	5.70	5.3%	9243157	6.36	6.80	6.7%	9243167	6.45	6.62	2.6%
Cd	9243132	< 0.2	< 0.2	0.0%	9243135	< 0.2	< 0.2	0.0%	9243155	0.7	0.7	0.0%	9243157	< 0.2	< 0.2	0.0%
Ce	9243132	10.2	9.02	12.3%	9243135	9.57	9.22	3.7%	9243155	11.1	11.2	0.9%	9243157	9.2	10.5	13.2%
Co	9243132	39.8	41.8	4.9%	9243135	73.1	71.1	2.8%	9243155	309	307	0.6%	9243157	57.5	75.3	26.8%
Cr	9243132	0.0251	0.0224	11.4%	9243135	0.019	0.019	0.0%	9243155	0.021	0.021	0.0%	9243157	0.019	0.020	5.1%
Cs	9243132	1.0	1.0	0.0%	9243135	0.2	0.2	0.0%	9243155	0.86	0.85	1.2%	9243157	0.4	0.4	0.0%
Cu	9243143	71	67	5.8%	9243155	413	422	2.2%	9243157	261	319	20.0%	9243167	129	134	3.8%
Dy	9243132	3.88	3.68	5.3%	9243135	4.35	4.23	2.8%	9243155	4.16	4.02	3.4%	9243157	3.94	4.37	10.3%
Er	9243132	2.45	2.27	7.6%	9243135	2.84	2.72	4.3%	9243155	2.71	2.67	1.5%	9243157	2.70	2.80	3.6%
Eu	9243132	0.84	0.76	10.0%	9243135	0.845	0.905	6.9%	9243155	0.822	0.841	2.3%	9243157	0.84	0.84	0.0%
Fe	9243143	5.52	5.43	1.6%	9243155	9.28	8.80	5.3%	9243157	9.52	9.93	4.2%	9243167	7.76	8.11	4.4%
Ga	9243132	17.9	18.3	2.2%	9243135	17.7	17.2	2.9%	9243155	17.5	17.6	0.6%	9243157	16.4	16.7	1.8%
Gd	9243132	3.24	3.15	2.8%	9243135	3.66	3.29	10.6%	9243155	3.53	3.45	2.3%	9243157	3.25	3.53	8.3%
Ge	9243132	1	1	0.0%	9243135	2	2	0.0%	9243155	2	2	0.0%	9243157	2	2	0.0%
Hf	9243132	2	2	0.0%	9243135	2	1		9243155	2	2	0.0%	9243157	2	2	0.0%
Ho	9243132	0.806	0.789	2.1%	9243135	0.99	0.91	8.4%	9243155	0.86	0.84	2.4%	9243157	0.88	0.84	4.7%
In	9243132	< 0.2	< 0.2	0.0%	9243135	< 0.2	< 0.2	0.0%	9243155	< 0.2	< 0.2	0.0%	9243157	0.2	0.2	0.0%
K	9243143	0.775	0.769	0.8%	9243155	1.03	0.974	5.6%	9243157	0.703	0.749	6.3%	9243167	0.55	0.56	1.8%
La	9243132	3.76	3.43	9.2%	9243135	3.76	3.57	5.2%	9243155	4.6	4.6	0.0%	9243157	3.51	4.00	13.0%
Li	9243143	27	28	3.6%	9243155	30	26	14.3%	9243157	18	17	5.7%	9243167	25	28	11.3%
Lu	9243132	0.36	0.36	0.0%	9243135	0.497	0.464	6.9%	9243155	0.42	0.41	2.4%	9243157	0.40	0.40	0.0%
Mg	9243143	1.63	1.59	2.5%	9243155	2.79	2.70	3.3%	9243157	2.64	2.81	6.2%	9243167	2.63	2.76	4.8%
Mn	9243143	1620	1570	3.1%	9243155	2380	2440	2.5%	9243157	2390	2500	4.5%	9243167	1950	2010	3.0%
Mo	9243132	4	3	28.6%	9243135	5	5	0.0%	9243155	2	2	0.0%	9243157	2	3	



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9243132	2	3		9243135	2	2	0.0%	9243155	2	2	0.0%	9243157	2	2	0.0%
Nd	9243132	7.8	7.5	3.9%	9243135	7.59	7.02	7.8%	9243155	7.8	7.6	2.6%	9243157	6.80	7.67	12.0%
Ni	9243143	58	56	3.5%	9243155	101	100	1.0%	9243157	87	92	5.6%	9243167	93	94	1.1%
P	9243143	0.035	0.043	20.5%	9243155	0.036	0.032	11.8%	9243157	0.03	0.03	0.0%	9243167	0.045	0.045	0.0%
Pb	9243132	7	7	0.0%	9243135	14	13	7.4%	9243155	68	68	0.0%	9243157	28	29	3.5%
Pr	9243132	1.46	1.32	10.1%	9243135	1.34	1.31	2.3%	9243155	1.62	1.57	3.1%	9243157	1.33	1.56	15.9%
Rb	9243132	42.2	42.3	0.2%	9243135	18.1	17.0	6.3%	9243155	43.9	44.1	0.5%	9243157	25.4	25.2	0.8%
S	9243143	0.340	0.331	2.7%	9243155	1.18	1.19	0.8%	9243157	0.792	0.835	5.3%	9243167	0.28	0.28	0.0%
Sb	9243132	0.75	0.79	5.2%	9243135	2.0	2.0	0.0%	9243155	5.74	5.79	0.9%	9243157	9.7	9.7	0.0%
Sc	9243143	37	35	5.6%	9243155	42	44	4.7%	9243157	42	45	6.9%	9243167	44	46	4.4%
Si	9243143	25.7	25.3	1.6%	9243155	22.6	21.3	5.9%	9243157	21.3	22.3	4.6%	9243167	22.1	22.9	3.6%
Sm	9243132	2.4	2.4	0.0%	9243135	2.48	2.33	6.2%	9243155	2.7	2.7	0.0%	9243157	2.4	2.7	11.8%
Sn	9243132	< 1	< 1	0.0%	9243135	< 1	< 1	0.0%	9243155	< 1	< 1	0.0%	9243157	< 1	< 1	0.0%
Sr	9243143	129	126	2.4%	9243155	153	158	3.2%	9243157	129	135	4.5%	9243167	146	151	3.4%
Ta	9243132	< 0.5	< 0.5	0.0%	9243135	< 0.5	< 0.5	0.0%	9243155	< 0.5	< 0.5	0.0%	9243157	< 0.5	< 0.5	0.0%
Tb	9243132	0.57	0.54	5.4%	9243135	0.64	0.57	11.6%	9243155	0.621	0.604	2.8%	9243157	0.58	0.62	6.7%
Th	9243132	0.47	0.40	16.1%	9243135	0.4	0.4	0.0%	9243155	0.38	0.35	8.2%	9243157	0.3	0.3	0.0%
Ti	9243143	0.658	0.650	1.2%	9243155	0.61	0.58	5.0%	9243157	0.56	0.59	5.2%	9243167	0.62	0.64	3.2%
Tl	9243132	< 0.5	< 0.5	0.0%	9243135	< 0.5	< 0.5	0.0%	9243155	0.6	0.6	0.0%	9243157	< 0.5	< 0.5	0.0%
Tm	9243132	0.352	0.332	5.8%	9243135	0.425	0.412	3.1%	9243155	0.372	0.389	4.5%	9243157	0.40	0.40	0.0%
U	9243132	0.12	0.10	18.2%	9243135	0.112	0.092	19.6%	9243155	0.144	0.146	1.4%	9243157	0.12	0.13	8.0%
V	9243143	275	264	4.1%	9243155	295	304	3.0%	9243157	286	299	4.4%	9243167	290	299	3.1%
W	9243132	5	5	0.0%	9243135	7	7	0.0%	9243155	3	3	0.0%	9243157	3	3	0.0%
Y	9243132	20.0	20.5	2.5%	9243135	24.5	24.4	0.4%	9243155	23.4	23.7	1.3%	9243157	23.3	23.9	2.5%
Yb	9243132	2.39	2.22	7.4%	9243135	3.08	3.00	2.6%	9243155	2.7	2.7	0.0%	9243157	2.70	2.64	2.2%
Zn	9243143	88	74	17.3%	9243155	267	255	4.6%	9243157	113	122	7.7%	9243167	110	120	8.7%
Zr	9243132	63.6	64.2	0.9%	9243135	56.4	54.6	3.2%	9243155	60.0	59.5	0.8%	9243157	57.4	58.5	1.9%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9243167	< 1	< 1	0.0%	9243179	< 1	< 1	0.0%	9243182	< 1	< 1	0.0%	9243191	< 1	< 1	0.0%
Al	9243179	0.08	0.08	0.0%	9243182	7.10	7.26	2.2%	9243191	7.93	7.27	8.7%	9243203	8.13	8.14	0.1%
As	9243167	48	47	2.1%	9243179	< 5	< 5	0.0%	9243182	30	31	3.3%	9243191	29	28	3.5%
B	9243179	< 20	< 20	0.0%	9243182	< 20	< 20	0.0%	9243191	< 20	< 20	0.0%	9243203	< 20	< 20	0.0%
Ba	9243179	16.8	13.5	21.8%	9243182	196	197	0.5%	9243191	164	152	7.6%	9243203	147	142	3.5%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9243167	< 5	< 5	0.0%	9243179	< 5	< 5	0.0%	9243182	< 5	< 5	0.0%	9243191	< 5	< 5	0.0%
Bi	9243167	0.5	0.5	0.0%	9243179	< 0.1	< 0.1	0.0%	9243182	0.1	0.1	0.0%	9243191	1.2	0.7	
Ca	9243179	29.0	29.7	2.4%	9243182	6.59	6.68	1.4%	9243191	5.78	5.26	9.4%	9243203	8.02	7.92	1.3%
Cd	9243167	0.2	0.2	0.0%	9243179	< 0.2	< 0.2	0.0%	9243182	< 0.2	< 0.2	0.0%	9243191	< 0.2	< 0.2	0.0%
Ce	9243167	11.6	11.4	1.7%	9243179	0.86	0.82	4.8%	9243182	8.5	8.7	2.3%	9243191	9.1	9.7	6.4%
Co	9243167	39.3	39.6	0.8%	9243179	1.06	1.05	0.9%	9243182	57.6	57.6	0.0%	9243191	50.1	48.9	2.4%
Cr	9243167	0.0211	0.0220	4.2%	9243179	< 0.005	< 0.005	0.0%	9243182	0.019	0.019	0.0%	9243191	0.021	0.020	4.9%
Cs	9243167	0.9	0.9	0.0%	9243179	< 0.1	< 0.1	0.0%	9243182	0.7	0.7	0.0%	9243191	0.27	0.20	29.8%
Cu	9243179	< 5	< 5	0.0%	9243182	37	35	5.6%	9243191	33	29	12.9%	9243203	124	99	22.4%
Dy	9243167	3.94	3.78	4.1%	9243179	0.203	0.240	16.7%	9243182	3.64	3.45	5.4%	9243191	3.79	3.85	1.6%
Er	9243167	2.38	2.56	7.3%	9243179	0.14	0.14	0.0%	9243182	2.36	2.46	4.1%	9243191	2.53	2.52	0.4%
Eu	9243167	0.91	0.91	0.0%	9243179	< 0.05	< 0.05	0.0%	9243182	0.722	0.737	2.1%	9243191	0.76	0.83	8.8%
Fe	9243179	0.09	0.09	0.0%	9243182	7.53	7.67	1.8%	9243191	7.10	6.45	9.6%	9243203	7.79	7.82	0.4%
Ga	9243167	16.5	16.7	1.2%	9243179	0.21	0.20	4.9%	9243182	16.2	16.4	1.2%	9243191	17.1	17.1	0.0%
Gd	9243167	3.30	3.25	1.5%	9243179	0.24	0.24	0.0%	9243182	2.99	2.88	3.7%	9243191	3.30	3.43	3.9%
Ge	9243167	1	1	0.0%	9243179	< 1	1		9243182	2	2	0.0%	9243191	1	1	0.0%
Hf	9243167	2	2	0.0%	9243179	< 1	< 1	0.0%	9243182	2	2	0.0%	9243191	2	2	0.0%
Ho	9243167	0.80	0.82	2.5%	9243179	0.05	0.05	0.0%	9243182	0.73	0.71	2.8%	9243191	0.810	0.804	0.7%
In	9243167	< 0.2	< 0.2	0.0%	9243179	< 0.2	< 0.2	0.0%	9243182	< 0.2	< 0.2	0.0%	9243191	< 0.2	< 0.2	0.0%
K	9243179	< 0.05	< 0.05	0.0%	9243182	0.801	0.818	2.1%	9243191	0.619	0.562	9.7%	9243203	0.439	0.432	1.6%
La	9243167	4.9	4.8	2.1%	9243179	1.05	1.06	0.9%	9243182	3.2	3.3	3.1%	9243191	3.4	3.6	5.7%
Li	9243179	< 10	< 10	0.0%	9243182	26	26	0.0%	9243191	24	22	8.7%	9243203	20	20	0.0%
Lu	9243167	0.37	0.37	0.0%	9243179	< 0.05	< 0.05	0.0%	9243182	0.315	0.325	3.1%	9243191	0.330	0.348	5.3%
Mg	9243179	2.05	2.05	0.0%	9243182	3.33	3.31	0.6%	9243191	2.35	2.17	8.0%	9243203	2.44	2.42	0.8%
Mn	9243179	60	57	5.1%	9243182	1720	1740	1.2%	9243191	1810	1650	9.2%	9243203	2330	2280	2.2%
Mo	9243167	2	2	0.0%	9243179	< 2	< 2	0.0%	9243182	4	4	0.0%	9243191	3	2	
Nb	9243167	2	2	0.0%	9243179	< 1	< 1	0.0%	9243182	2	2	0.0%	9243191	2	2	0.0%
Nd	9243167	7.6	7.6	0.0%	9243179	0.73	0.78	6.6%	9243182	6.46	6.38	1.2%	9243191	6.7	7.2	7.2%
Ni	9243179	< 5	< 5	0.0%	9243182	144	144	0.0%	9243191	80	74	7.8%	9243203	92	92	0.0%
P	9243179	< 0.01	< 0.01	0.0%	9243182	0.03	0.03	0.0%	9243191	0.03	0.03	0.0%	9243203	0.037	0.030	20.9%
Pb	9243167	24	22	8.7%	9243179	< 5	< 5	0.0%	9243182	9	8	11.8%	9243191	8	7	13.3%
Pr	9243167	1.66	1.64	1.2%	9243179	0.183	0.186	1.6%	9243182	1.29	1.27	1.6%	9243191	1.37	1.42	3.6%
Rb	9243167	23.7	24.2	2.1%	9243179	0.19	0.25	27.3%	9243182	44.3	43.6	1.6%	9243191	21.2	21.4	0.9%
S	9243179	< 0.01	< 0.01	0.0%	9243182	0.177	0.172	2.9%	9243191	0.24	0.23	4.3%	9243203	0.277	0.261	5.9%



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Sb	9243167	1.67	1.62	3.0%	9243179	< 0.1	< 0.1	0.0%	9243182	1.8	1.9	5.4%	9243191	2.31	2.22	4.0%
Sc	9243179	< 5	< 5	0.0%	9243182	38	38	0.0%	9243191	42	38	10.0%	9243203	46	45	2.2%
Si	9243179	3.43	3.40	0.9%	9243182	20.4	20.9	2.4%	9243191	24.0	21.8	9.6%	9243203	23.5	23.4	0.4%
Sm	9243167	2.42	2.55	5.2%	9243179	0.2	0.2	0.0%	9243182	2.2	2.1	4.7%	9243191	2.35	2.49	5.8%
Sn	9243167	< 1	< 1	0.0%	9243179	< 1	< 1	0.0%	9243182	< 1	< 1	0.0%	9243191	< 1	< 1	0.0%
Sr	9243179	47.6	49.4	3.7%	9243182	154	159	3.2%	9243191	134	120	11.0%	9243203	147	145	1.4%
Ta	9243167	< 0.5	< 0.5	0.0%	9243179	< 0.5	< 0.5	0.0%	9243182	< 0.5	< 0.5	0.0%	9243191	< 0.5	< 0.5	0.0%
Tb	9243167	0.571	0.580	1.6%	9243179	< 0.05	< 0.05	0.0%	9243182	0.49	0.49	0.0%	9243191	0.544	0.588	7.8%
Th	9243167	0.4	0.4	0.0%	9243179	< 0.1	< 0.1	0.0%	9243182	0.3	0.3	0.0%	9243191	0.3	0.6	
Ti	9243179	< 0.01	< 0.01	0.0%	9243182	0.523	0.535	2.3%	9243191	0.600	0.544	9.8%	9243203	0.634	0.639	0.8%
Tl	9243167	< 0.5	< 0.5	0.0%	9243179	< 0.5	< 0.5	0.0%	9243182	< 0.5	< 0.5	0.0%	9243191	< 0.5	< 0.5	0.0%
Tm	9243167	0.35	0.39	10.8%	9243179	< 0.05	< 0.05	0.0%	9243182	0.31	0.33	6.3%	9243191	0.350	0.357	2.0%
U	9243167	0.238	0.224	6.1%	9243179	0.134	0.135	0.7%	9243182	0.10	0.10	0.0%	9243191	0.112	0.122	8.5%
V	9243179	< 5	< 5	0.0%	9243182	255	259	1.6%	9243191	283	257	9.6%	9243203	307	302	1.6%
W	9243167	1	1	0.0%	9243179	< 1	< 1	0.0%	9243182	< 1	< 1	0.0%	9243191	1	2	
Y	9243167	21.6	21.8	0.9%	9243179	2.2	2.2	0.0%	9243182	19.4	20.1	3.5%	9243191	20.8	21.1	1.4%
Yb	9243167	2.40	2.56	6.5%	9243179	0.1	0.1	0.0%	9243182	2.23	2.32	4.0%	9243191	2.37	2.46	3.7%
Zn	9243179	< 5	< 5	0.0%	9243182	70	73	4.2%	9243191	55	53	3.7%	9243203	99	96	3.1%
Zr	9243167	64.1	65.0	1.4%	9243179	2.74	2.34	15.7%	9243182	54.5	55.8	2.4%	9243191	60.6	60.7	0.2%

REPLICATE #9																
Parameter	Sample ID	Original	Replicate	RPD												
Ag	9243203	< 1	< 1	0.0%												
Al	9243203	8.13	8.14	0.1%												
As	9243203	< 5	< 5	0.0%												
B	9243203	< 20	< 20	0.0%												
Ba	9243203	147	142	3.5%												
Be	9243203	< 5	< 5	0.0%												
Bi	9243203	0.1	< 0.1													
Ca	9243203	8.02	7.92	1.3%												
Cd	9243203	< 0.2	< 0.2	0.0%												
Ce	9243203	10.0	9.43	5.9%												
Co	9243203	61.5	54.1	12.8%												
Cr	9243203	0.025	0.024	4.1%												
Cs	9243203	0.3	0.3	0.0%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Cu	9243203	124	99	22.4%																		
Dy	9243203	4.22	4.03	4.6%																		
Er	9243203	2.66	2.62	1.5%																		
Eu	9243203	0.922	0.883	4.3%																		
Fe	9243203	8.33	8.37	0.5%																		
Ga	9243203	17.0	16.3	4.2%																		
Gd	9243203	3.55	3.28	7.9%																		
Ge	9243203	1	2																			
Hf	9243203	2	2	0.0%																		
Ho	9243203	0.87	0.87	0.0%																		
In	9243203	< 0.2	< 0.2	0.0%																		
K	9243203	0.439	0.432	1.6%																		
La	9243203	3.8	3.6	5.4%																		
Li	9243203	17	17	0.0%																		
Lu	9243203	0.381	0.371	2.7%																		
Mg	9243203	2.61	2.59	0.8%																		
Mn	9243203	2330	2280	2.2%																		
Mo	9243203	5	3																			
Nb	9243203	2	2	0.0%																		
Nd	9243203	7.51	7.11	5.5%																		
Ni	9243203	92	92	0.0%																		
P	9243203	0.037	0.030	20.9%																		
Pb	9243203	6	6	0.0%																		
Pr	9243203	1.53	1.39	9.6%																		
Rb	9243203	14.5	13.7	5.7%																		
S	9243203	0.277	0.261	5.9%																		
Sb	9243203	0.7	0.7	0.0%																		
Sc	9243203	46	45	2.2%																		
Si	9243203	23.0	22.9	0.4%																		
Sm	9243203	2.58	2.42	6.4%																		
Sn	9243203	< 1	< 1	0.0%																		
Sr	9243203	147	145	1.4%																		
Ta	9243203	< 0.5	< 0.5	0.0%																		
Tb	9243203	0.60	0.58	3.4%																		



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Th	9243203	0.41	0.34	18.7%													
Ti	9243203	0.634	0.639	0.8%													
Tl	9243203	< 0.5	< 0.5	0.0%													
Tm	9243203	0.40	0.39	2.5%													
U	9243203	0.135	0.102	27.8%													
V	9243203	307	302	1.6%													
W	9243203	3	3	0.0%													
Y	9243203	22.6	22.1	2.2%													
Yb	9243203	2.7	2.5	7.7%													
Zn	9243203	99	96	3.1%													
Zr	9243203	62.6	60.8	2.9%													



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.ME-1304)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	34	33	96%	90% - 110%									6.39	5.07	79%	90% - 110%
Al					4.30	4.12	96%	90% - 110%								
Ba									340	327	96%	90% - 110%				
Be									2.6	2.6	98%	90% - 110%				
Ca					2.21	2.22	101%	90% - 110%								
Ce									122	120	98%	90% - 110%				
Co									2.8	2.5	90%	90% - 110%	672	656	98%	90% - 110%
Cr													0.032	0.034	106%	90% - 110%
Cs									1.5	1.5	98%	90% - 110%				
Cu					11850	11504	97%	90% - 110%					11850	11504	97%	90% - 110%
Dy									18.2	19	104%	90% - 110%				
Er									14.2	14.1	99%	90% - 110%				
Eu									2.0	1.96	98%	90% - 110%				
Fe					25.54	24.12	94%	90% - 110%								
Ga									35	33	94%	90% - 110%				
Gd									14	15	109%	90% - 110%				
Hf									10.6	10.8	102%	90% - 110%				
Ho									4.3	4.5	104%	90% - 110%				
K									1.37	1.42	103%	90% - 110%				
La									58	55	94%	90% - 110%				
Li									37	37.9	103%	90% - 110%				
Lu									2.1	2.1	99%	90% - 110%				
Mg					1.79	1.67	93%	90% - 110%								
Mn					703	688	98%	90% - 110%								
Nb									13	13	99%	90% - 110%				
Nd									57	58	101%	90% - 110%				
Ni					19530	18644	95%	90% - 110%								
Pb									10	10	97%	90% - 110%	58	60	104%	90% - 110%
Pr									15.0	13.7	91%	90% - 110%				
Rb									55	52	95%	90% - 110%				
S					14.14	12.89	91%	90% - 110%					14.14	12.89	91%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si					15.23	15.29	100%	90% - 110%								
Sm									12.7	13	103%	90% - 110%				
Sn									7.1	7.3	103%	90% - 110%				
Sr									1191	1250	105%	90% - 110%				
Ta									0.9	0.9	95%	90% - 110%				
Tb									2.6	2.8	107%	90% - 110%				
Th									1.4	1.3	91%	90% - 110%				
Ti									0.172	0.167	97%	90% - 110%				
Tm									2.3	2.3	100%	90% - 110%				
U									0.8	0.8	106%	90% - 110%				
V									8	6	78%	90% - 110%				
Y									119	113	95%	90% - 110%				
Yb									14.8	14.9	101%	90% - 110%				
Zn					235	222	94%	90% - 110%								
Zr									517	567	110%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)				CRM #7 (ref.SY-4)				CRM #8 (ref.SU-1b)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag													6.39	5.80	91%	90% - 110%
Al	10.95	9.97	91%	90% - 110%	4.30	3.87	90%	90% - 110%								
Ba	340	315	93%	90% - 110%					340	315	93%	90% - 110%				
Be									2.6	2.8	109%	90% - 110%				
Ca	5.72	5.29	93%	90% - 110%	2.21	1.99	90%	90% - 110%								
Ce									122	115	94%	90% - 110%				
Co									2.8	2.6	93%	90% - 110%	672	639	95%	90% - 110%
Cr													0.032	0.0308	96%	90% - 110%
Cs									1.5	1.5	99%	90% - 110%				
Cu					11850	11082	93%	90% - 110%					11850	11400	97%	90% - 110%
Dy									18.2	19.2	105%	90% - 110%				
Er									14.2	14.7	104%	90% - 110%				
Eu									2.0	1.91	96%	90% - 110%				
Fe	4.34	3.97	92%	90% - 110%	25.54	22.99	90%	90% - 110%								
Ga									35	35	101%	90% - 110%				
Gd									14	15	105%	90% - 110%				
Hf									10.6	10.3	97%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Ho									4.3	4.2	98%	90% - 110%					
K	1.37	1.32	97%	90% - 110%					1.37	1.32	97%	90% - 110%					
La									58	54	93%	90% - 110%					
Li	37	39	105%	90% - 110%					37	34.8	94%	90% - 110%					
Lu									2.1	2	96%	90% - 110%					
Mg	0.325	0.302	92%	90% - 110%	1.79	1.68	93%	90% - 110%									
Mn	836	766	92%	90% - 110%	703	634	90%	90% - 110%									
Nb									13	13	101%	90% - 110%					
Nd									57	53	93%	90% - 110%					
Ni	9	7	77%	90% - 110%	19530	17865	91%	90% - 110%					19530	18000	92%	90% - 110%	
Pb									10	9	94%	90% - 110%	58	60	104%	90% - 110%	
Pr									15.0	13.7	92%	90% - 110%					
Rb									55	54	99%	90% - 110%					
S					14.14	12.97	91%	90% - 110%					14.14	13.0	91%	90% - 110%	
Si	23.3	21.7	93%	90% - 110%	15.23	13.95	92%	90% - 110%									
Sm									12.7	13.1	103%	90% - 110%					
Sn									7.1	7.3	102%	90% - 110%					
Sr	1191	1200	101%	90% - 110%					1191	1200	101%	90% - 110%					
Ta									0.9	0.7	78%	90% - 110%					
Tb									2.6	2.7	102%	90% - 110%					
Th									1.4	1.2	85%	90% - 110%					
Ti	0.172	0.158	92%	90% - 110%					0.172	0.174	101%	90% - 110%					
Tm									2.3	2.2	95%	90% - 110%					
U									0.8	0.7	92%	90% - 110%					
V	8	6	72%	90% - 110%					8	6	72%	90% - 110%					
Y									119	116	97%	90% - 110%					
Yb									14.8	15.4	104%	90% - 110%					
Zn	93	100	108%	90% - 110%	235	218	93%	90% - 110%									
Zr									517	544	105%	90% - 110%					
	CRM #9 (ref.SY-4)				CRM #10 (ref.SY-4)												
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits									
Al	10.95	10.53	96%	90% - 110%	10.95	10.53	96%	90% - 110%									
Ba	340	331	97%	90% - 110%	340	331	97%	90% - 110%									
Be					2.6	2.8	109%	90% - 110%									



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Ca	5.72	5.51	96%	90% - 110%	5.72	5.51	96%	90% - 110%										
Ce					122	120	98%	90% - 110%										
Co					2.8	2.6	92%	90% - 110%										
Cs					1.5	1.6	105%	90% - 110%										
Dy					18.2	19.6	108%	90% - 110%										
Er					14.2	15	105%	90% - 110%										
Eu					2.0	1.86	93%	90% - 110%										
Fe	4.34	4.11	95%	90% - 110%	4.34	4.4	101%	90% - 110%										
Ga					35	36	102%	90% - 110%										
Gd					14	15	110%	90% - 110%										
Hf					10.6	10.8	102%	90% - 110%										
Ho					4.3	4.4	103%	90% - 110%										
K	1.37	1.37	100%	90% - 110%	1.37	1.37	100%	90% - 110%										
La					58	56	97%	90% - 110%										
Li	37	42	113%	90% - 110%	37	37.5	101%	90% - 110%										
Lu					2.1	2.1	98%	90% - 110%										
Mg	0.325	0.293	90%	90% - 110%	0.325	0.314	97%	90% - 110%										
Mn	836	812	97%	90% - 110%	836	812	97%	90% - 110%										
Nb					13	13	102%	90% - 110%										
Nd					57	55	97%	90% - 110%										
Pb					10	9	93%	90% - 110%										
Pr					15.0	14.3	95%	90% - 110%										
Rb					55	54	98%	90% - 110%										
Si	23.3	22.6	97%	90% - 110%	23.3	22.2	95%	90% - 110%										
Sm					12.7	13.5	106%	90% - 110%										
Sn					7.1	6.4	90%	90% - 110%										
Sr	1191	1269	107%	90% - 110%	1191	1269	107%	90% - 110%										
Ta					0.9	0.7	80%	90% - 110%										
Tb					2.6	2.7	105%	90% - 110%										
Th					1.4	1.3	92%	90% - 110%										
Ti	0.172	0.166	97%	90% - 110%	0.172	0.166	97%	90% - 110%										
Tm					2.3	2.3	99%	90% - 110%										
U					0.8	1	128%	90% - 110%										
V	8	6	78%	90% - 110%	8	6	78%	90% - 110%										



AGAT Laboratories

Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Y					119	115	97%	90% - 110%								
Yb					14.8	15.6	105%	90% - 110%								
Zn	93	91	98%	90% - 110%	93	91	98%	90% - 110%								
Zr					517	548	106%	90% - 110%								



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-127D
 SAMPLING SITE:

AGAT WORK ORDER: 18T338983
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS

Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T338983

PROJECT: DDH-127D

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-128A

AGAT WORK ORDER: 18T350344

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Aug 02, 2018

PAGES (INCLUDING COVER): 39

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563601 (9326162)		3.24
E6563602 (9326163)		2.98
E6563603 (9326164)		2.68
E6563604 (9326165)		2.69
E6563605 (9326166)		2.77
E6563606 (9326167)		0.05
E6563607 (9326168)		2.68
E6563608 (9326169)		2.84
E6563609 (9326170)		2.67
E6563610 (9326171)		2.96
E6563611 (9326172)		2.45
E6563612 (9326173)		0.83
E6563613 (9326174)		2.56
E6563614 (9326175)		2.67
E6563615 (9326176)		2.86
E6563616 (9326177)		3.23
E6563617 (9326178)		3.06
E6563618 (9326179)		3.06
E6563619 (9326180)		2.80
E6563620 (9326181)		2.98
E6563621 (9326182)		2.79
E6563622 (9326183)		1.94
E6563623 (9326184)		2.82
E6563624 (9326185)		2.51
E6563625 (9326186)		2.77
E6563626 (9326187)		0.05
E6563627 (9326188)		2.40
E6563628 (9326189)		3.07
E6563629 (9326190)		3.36
E6563630 (9326191)		2.75
E6563631 (9326192)		2.74

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563632 (9326193)		1.19
E6563633 (9326194)		2.57
E6563634 (9326195)		2.76
E6563635 (9326196)		3.06
E6563636 (9326197)		2.82
E6563637 (9326198)		2.40
E6563638 (9326199)		2.40
E6563639 (9326200)		2.90
E6563640 (9326201)		2.55
E6563641 (9326202)		2.56
E6563642 (9326203)		2.87
E6563643 (9326204)		2.58
E6563644 (9326205)		2.90
E6563645 (9326206)		2.60
E6563646 (9326207)		2.60
E6563647 (9326208)		2.92
E6563648 (9326209)		2.49
E6563649 (9326210)		2.81
E6563650 (9326211)		2.57
E6563651 (9326212)		2.67
E6563652 (9326213)		1.88
E6563653 (9326214)		2.75
E6563654 (9326215)		2.88
E6563655 (9326216)		2.61
E6563656 (9326217)		2.87
E6563657 (9326218)		2.53
E6563658 (9326219)		2.53
E6563659 (9326220)		2.62
E6563660 (9326221)		2.89
E6563661 (9326222)		2.82
E6563662 (9326223)		0.93

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563663 (9326224)		1.00
E6563664 (9326225)		1.72
E6563665 (9326226)		1.30
E6563666 (9326227)		0.05
E6563667 (9326228)		2.71
E6563668 (9326229)		3.05
E6563669 (9326230)		2.96
E6563670 (9326231)		2.58
E6563671 (9326232)		2.69
E6563672 (9326233)		1.13
E6563673 (9326234)		2.61
E6563674 (9326235)		3.03
E6563675 (9326236)		2.75
E6563676 (9326237)		2.69
E6563677 (9326238)		2.73
E6563678 (9326239)		2.73
E6563679 (9326240)		2.63
E6563680 (9326241)		2.40
E6563681 (9326242)		3.03
E6563682 (9326243)		2.38
E6563683 (9326244)		2.77
E6563684 (9326245)		2.27
E6563685 (9326246)		2.52
E6563686 (9326247)		0.05
E6563687 (9326248)		2.44
E6563688 (9326249)		2.66
E6563689 (9326250)		2.40
E6563690 (9326251)		2.77
E6563691 (9326252)		3.06
E6563692 (9326253)		1.42
E6563693 (9326254)		2.95

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Aug 02, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6563694 (9326255)		2.70
E6563695 (9326256)		2.80
E6563696 (9326257)		1.91

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563601 (9326162)	<1	8.57	6	23	168	<5	0.1	7.06	<0.2	10.0	48.3	0.021	0.4	65	
E6563602 (9326163)	<1	8.74	<5	<20	164	<5	0.3	6.57	<0.2	9.6	56.4	0.021	0.6	194	
E6563603 (9326164)	<1	8.38	<5	<20	181	<5	0.2	7.16	<0.2	9.6	56.6	0.022	0.4	234	
E6563604 (9326165)	<1	8.30	<5	<20	141	<5	0.2	7.42	0.2	9.9	82.2	0.022	0.5	128	
E6563605 (9326166)	<1	8.53	<5	22	146	<5	0.2	7.02	<0.2	9.1	58.5	0.021	0.5	123	
E6563606 (9326167)	<1	4.62	566	104	171	<5	8.1	4.07	<0.2	68.2	1020	0.006	2.7	2980	
E6563607 (9326168)	1	7.91	7	<20	109	<5	0.5	6.59	0.2	9.5	69.8	0.020	1.2	232	
E6563608 (9326169)	<1	8.70	<5	<20	160	<5	0.4	5.56	<0.2	14.2	47.8	0.021	0.7	174	
E6563609 (9326170)	<1	8.60	5	22	168	<5	0.2	6.75	<0.2	9.6	53.6	0.021	0.4	121	
E6563610 (9326171)	<1	8.44	<5	28	265	<5	0.1	6.66	<0.2	9.0	47.7	0.020	0.7	109	
E6563611 (9326172)	<1	8.18	<5	<20	210	<5	0.1	5.97	<0.2	11.2	48.6	0.021	0.3	72	
E6563612 (9326173)	<1	0.17	<5	<20	15.0	<5	<0.1	32.7	<0.2	1.0	1.6	<0.005	<0.1	8	
E6563613 (9326174)	<1	8.50	<5	22	156	<5	0.1	5.24	<0.2	9.4	46.9	0.021	0.4	33	
E6563614 (9326175)	<1	8.55	9	28	129	<5	0.2	6.03	<0.2	9.9	55.2	0.020	0.3	158	
E6563615 (9326176)	<1	8.66	<5	22	150	<5	0.1	7.10	<0.2	9.7	51.6	0.022	0.6	65	
E6563616 (9326177)	<1	8.11	<5	<20	118	<5	0.2	7.63	<0.2	9.6	60.8	0.022	0.4	118	
E6563617 (9326178)	<1	8.30	<5	<20	100	<5	0.2	7.00	<0.2	8.5	54.6	0.025	0.6	111	
E6563618 (9326179)	<1	8.35	<5	<20	101	<5	0.2	7.10	<0.2	9.6	53.8	0.021	0.6	110	
E6563619 (9326180)	<1	8.52	<5	22	174	<5	0.1	7.10	<0.2	9.9	47.5	0.021	0.6	46	
E6563620 (9326181)	<1	8.26	<5	21	155	<5	0.1	7.72	<0.2	9.7	55.2	0.021	0.6	102	
E6563621 (9326182)	<1	8.35	<5	<20	160	<5	0.1	7.87	<0.2	8.9	52.8	0.021	0.5	106	
E6563622 (9326183)	<1	8.42	<5	<20	116	<5	0.1	7.95	<0.2	9.0	56.9	0.021	0.5	117	
E6563623 (9326184)	<1	8.74	<5	<20	200	<5	0.1	7.27	<0.2	10.2	52.6	0.022	0.7	88	
E6563624 (9326185)	<1	8.73	<5	<20	183	<5	0.1	7.09	<0.2	10.5	49.4	0.021	0.7	84	
E6563625 (9326186)	<1	8.63	<5	<20	139	<5	0.2	6.65	<0.2	10.0	52.0	0.021	1.0	92	
E6563626 (9326187)	<1	4.68	569	105	170	<5	8.4	4.04	<0.2	68.7	1050	0.006	2.8	3000	
E6563627 (9326188)	<1	8.67	<5	<20	131	<5	0.3	7.35	<0.2	10.4	51.4	0.021	0.8	157	
E6563628 (9326189)	1	8.41	<5	<20	126	<5	0.1	8.17	<0.2	10.1	55.8	0.020	0.5	135	
E6563629 (9326190)	1	8.28	<5	<20	114	<5	0.1	6.04	<0.2	8.9	55.5	0.020	1.1	116	
E6563630 (9326191)	<1	8.81	<5	<20	154	<5	<0.1	7.42	<0.2	10.9	47.5	0.021	0.6	83	
E6563631 (9326192)	<1	8.58	<5	<20	136	<5	<0.1	7.23	<0.2	9.9	50.7	0.022	0.5	128	
E6563632 (9326193)	<1	0.11	<5	<20	15.5	<5	<0.1	31.9	<0.2	1.5	1.4	<0.005	<0.1	6	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563633 (9326194)	<1	8.32	<5	20	142	<5	0.2	8.47	<0.2	10.1	64.0	0.019	0.4	182	
E6563634 (9326195)	1	8.42	<5	<20	254	<5	0.2	6.57	<0.2	11.3	54.7	0.021	0.6	84	
E6563635 (9326196)	<1	7.98	<5	30	51.5	<5	0.5	7.72	<0.2	9.8	67.4	0.020	0.2	319	
E6563636 (9326197)	<1	8.69	<5	23	176	<5	0.1	7.06	<0.2	10.7	49.5	0.021	1.0	149	
E6563637 (9326198)	1	8.42	<5	<20	188	<5	0.2	8.71	0.8	10.6	58.8	0.021	0.5	204	
E6563638 (9326199)	1	8.14	<5	<20	182	<5	0.2	8.14	0.8	10.7	52.8	0.021	0.4	196	
E6563639 (9326200)	<1	8.74	<5	26	193	<5	<0.1	6.28	<0.2	11.1	43.9	0.022	1.3	63	
E6563640 (9326201)	<1	8.48	<5	<20	120	<5	0.1	7.68	<0.2	10.6	44.8	0.021	0.5	115	
E6563641 (9326202)	<1	8.74	<5	26	165	<5	<0.1	6.40	<0.2	10.4	44.0	0.021	0.8	58	
E6563642 (9326203)	<1	8.41	<5	<20	196	<5	0.1	6.88	0.4	10.1	58.0	0.021	0.6	176	
E6563643 (9326204)	<1	7.79	<5	<20	131	<5	<0.1	5.46	<0.2	9.6	39.9	0.020	1.0	89	
E6563644 (9326205)	<1	4.70	552	108	174	<5	8.3	4.18	<0.2	70.4	1020	0.006	2.8	3000	
E6563645 (9326206)	<1	8.80	<5	21	189	<5	0.2	7.38	<0.2	10.5	59.6	0.022	0.8	96	
E6563646 (9326207)	<1	8.84	<5	<20	148	<5	0.1	6.92	<0.2	9.9	48.9	0.022	0.8	70	
E6563647 (9326208)	<1	8.55	<5	<20	147	<5	0.1	7.85	<0.2	10.6	61.5	0.023	0.6	138	
E6563648 (9326209)	<1	8.51	<5	21	129	<5	0.2	8.22	<0.2	9.4	50.4	0.022	0.4	99	
E6563649 (9326210)	<1	8.35	<5	<20	112	<5	0.1	7.66	<0.2	9.7	53.4	0.021	0.6	94	
E6563650 (9326211)	<1	8.65	<5	<20	126	<5	0.2	7.22	<0.2	10.3	57.7	0.021	0.5	103	
E6563651 (9326212)	<1	8.62	<5	21	161	<5	0.1	7.50	<0.2	9.6	49.0	0.021	0.6	56	
E6563652 (9326213)	<1	0.10	<5	<20	11.9	<5	<0.1	32.6	<0.2	1.1	1.1	<0.005	<0.1	7	
E6563653 (9326214)	<1	7.59	<5	23	113	<5	0.3	9.38	<0.2	9.8	64.9	0.019	0.4	181	
E6563654 (9326215)	<1	8.11	<5	<20	104	<5	0.1	7.99	<0.2	9.8	53.4	0.020	0.5	121	
E6563655 (9326216)	<1	8.40	<5	23	92.7	<5	0.1	7.96	<0.2	11.7	56.7	0.021	0.4	88	
E6563656 (9326217)	<1	8.32	<5	<20	117	<5	0.1	6.99	<0.2	10.5	46.5	0.021	0.5	89	
E6563657 (9326218)	<1	8.20	<5	<20	140	<5	0.2	7.37	0.3	11.5	59.6	0.032	0.7	154	
E6563658 (9326219)	<1	8.13	<5	22	131	<5	0.1	7.32	0.3	11.5	56.0	0.033	0.6	134	
E6563659 (9326220)	<1	7.87	<5	<20	92.7	<5	0.1	7.80	0.2	10.0	58.1	0.037	0.8	127	
E6563660 (9326221)	<1	8.41	<5	23	125	<5	<0.1	7.41	<0.2	10.2	51.4	0.035	0.8	82	
E6563661 (9326222)	<1	8.29	<5	<20	157	<5	0.1	7.51	<0.2	10.4	55.4	0.032	1.3	68	
E6563662 (9326223)	<1	7.90	<5	28	213	<5	0.2	8.54	0.3	10.1	55.3	0.024	0.5	158	
E6563663 (9326224)	<1	7.40	<5	22	168	<5	0.4	6.38	3.9	14.5	56.5	0.020	1.4	343	
E6563664 (9326225)	<1	8.99	<5	<20	155	<5	0.1	6.17	<0.2	11.0	43.9	0.026	1.7	88	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563665 (9326226)	<1	8.22	8	<20	119	<5	0.2	7.05	<0.2	10.3	56.6	0.029	0.9	115	
E6563666 (9326227)	<1	4.65	556	108	171	<5	8.8	4.07	<0.2	75.8	1010	0.006	2.9	2940	
E6563667 (9326228)	<1	8.70	<5	<20	134	<5	0.2	6.66	<0.2	11.6	49.3	0.028	0.8	107	
E6563668 (9326229)	<1	8.86	<5	27	141	<5	0.2	8.26	<0.2	11.4	59.9	0.027	0.7	145	
E6563669 (9326230)	<1	8.74	5	<20	175	<5	0.1	5.50	0.3	10.2	42.8	0.033	1.3	79	
E6563670 (9326231)	<1	8.77	6	<20	173	<5	0.1	6.01	0.5	11.9	42.8	0.029	0.6	104	
E6563671 (9326232)	<1	8.71	<5	<20	137	<5	<0.1	4.62	<0.2	10.3	38.8	0.026	0.5	37	
E6563672 (9326233)	<1	0.10	<5	<20	12.5	<5	<0.1	32.8	<0.2	1.1	1.3	<0.005	<0.1	8	
E6563673 (9326234)	<1	8.55	<5	<20	138	<5	0.1	5.99	<0.2	10.8	46.7	0.023	1.2	85	
E6563674 (9326235)	<1	8.02	<5	31	114	<5	0.2	8.71	<0.2	9.7	62.0	0.023	0.4	214	
E6563675 (9326236)	<1	8.50	<5	<20	121	<5	0.1	7.29	<0.2	10.3	60.4	0.025	1.5	101	
E6563676 (9326237)	<1	8.24	<5	41	110	<5	<0.1	7.95	<0.2	9.7	55.1	0.028	0.6	80	
E6563677 (9326238)	<1	7.56	<5	25	63.4	<5	0.2	7.47	<0.2	12.1	52.6	0.022	1.1	102	
E6563678 (9326239)	<1	7.68	<5	22	64.9	<5	0.2	7.82	<0.2	12.8	56.8	0.023	1.1	91	
E6563679 (9326240)	1	8.37	<5	<20	111	<5	<0.1	7.21	0.2	9.9	55.9	0.041	0.6	100	
E6563680 (9326241)	<1	8.33	9	22	159	<5	0.1	6.78	0.3	10.4	66.9	0.045	0.6	96	
E6563681 (9326242)	<1	8.54	<5	<20	174	<5	0.1	6.61	<0.2	11.2	50.7	0.024	0.7	99	
E6563682 (9326243)	<1	8.27	14	23	116	<5	0.1	6.99	<0.2	10.8	67.2	0.023	1.1	117	
E6563683 (9326244)	<1	8.13	<5	21	134	<5	0.1	6.91	<0.2	10.3	51.6	0.022	0.5	83	
E6563684 (9326245)	<1	8.26	<5	23	132	<5	0.1	7.04	<0.2	11.1	55.6	0.022	0.6	82	
E6563685 (9326246)	<1	8.13	7	<20	207	<5	0.2	5.39	1.3	12.3	38.6	0.021	0.7	41	
E6563686 (9326247)	<1	4.66	550	103	169	<5	8.5	4.02	<0.2	75.4	974	0.006	2.8	2950	
E6563687 (9326248)	<1	8.73	<5	24	127	<5	0.1	7.17	0.2	10.2	49.8	0.021	0.8	55	
E6563688 (9326249)	<1	8.34	10	24	158	<5	0.1	8.30	0.2	9.0	61.4	0.019	0.7	52	
E6563689 (9326250)	<1	8.13	<5	23	66.0	<5	0.2	7.43	<0.2	9.7	54.9	0.019	0.9	98	
E6563690 (9326251)	<1	8.50	<5	22	61.9	<5	0.2	8.00	<0.2	10.1	57.3	0.020	0.5	65	
E6563691 (9326252)	<1	8.40	<5	<20	77.7	<5	0.1	6.79	<0.2	10.2	54.7	0.021	1.1	101	
E6563692 (9326253)	<1	0.15	<5	<20	12.9	<5	<0.1	32.4	<0.2	1.1	1.4	<0.005	<0.1	8	
E6563693 (9326254)	<1	8.48	6	20	97.2	<5	0.2	6.68	<0.2	9.8	55.6	0.020	0.8	85	
E6563694 (9326255)	<1	7.85	<5	20	82.5	<5	0.1	7.69	<0.2	9.3	48.6	0.019	0.6	103	
E6563695 (9326256)	<1	8.61	6	20	178	<5	0.1	6.72	<0.2	10.0	49.8	0.020	0.8	79	
E6563696 (9326257)	<1	8.22	5	49	168	<5	0.1	6.49	<0.2	10.5	41.9	0.020	0.3	40	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563601 (9326162)	3.77	2.38	0.90	8.24	16.7	3.36	1	2	0.82	<0.2	0.71	3.9	16	0.37	
E6563602 (9326163)	3.87	2.47	0.94	8.17	17.4	3.41	1	2	0.81	<0.2	0.77	3.7	18	0.36	
E6563603 (9326164)	3.89	2.59	0.86	8.55	17.0	3.39	2	2	0.80	<0.2	0.79	3.7	21	0.39	
E6563604 (9326165)	4.06	2.60	0.89	9.16	17.0	3.56	2	2	0.85	<0.2	0.68	3.7	16	0.39	
E6563605 (9326166)	3.79	2.47	0.83	8.90	16.9	3.21	2	2	0.77	<0.2	0.70	3.3	17	0.36	
E6563606 (9326167)	2.92	1.90	0.94	3.28	10.9	4.32	2	4	0.59	0.3	3.29	33.2	<10	0.26	
E6563607 (9326168)	4.04	2.76	0.86	9.79	17.5	3.78	2	2	0.90	<0.2	0.56	3.6	16	0.38	
E6563608 (9326169)	3.57	2.27	1.11	7.12	16.1	3.40	1	2	0.77	<0.2	0.78	6.1	20	0.32	
E6563609 (9326170)	3.76	2.42	0.90	7.76	17.5	3.32	3	3	0.82	<0.2	0.77	3.7	20	0.35	
E6563610 (9326171)	3.50	2.29	0.87	7.96	16.5	3.33	1	2	0.75	<0.2	1.06	3.3	22	0.35	
E6563611 (9326172)	3.71	2.49	0.95	8.28	16.6	3.34	1	2	0.78	<0.2	0.74	4.4	11	0.31	
E6563612 (9326173)	0.24	0.15	<0.05	0.19	0.34	0.23	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05	
E6563613 (9326174)	3.73	2.36	0.83	7.88	15.9	3.19	1	2	0.79	<0.2	0.81	3.5	26	0.34	
E6563614 (9326175)	3.97	2.68	0.97	8.27	17.7	3.63	2	2	0.85	<0.2	0.61	3.8	19	0.38	
E6563615 (9326176)	3.82	2.36	0.92	7.91	17.1	3.50	2	2	0.81	<0.2	0.76	3.7	15	0.35	
E6563616 (9326177)	4.00	2.69	0.90	8.85	17.2	3.38	2	2	0.86	<0.2	0.59	3.6	13	0.40	
E6563617 (9326178)	3.70	2.58	0.86	8.89	16.9	3.36	2	2	0.80	<0.2	0.49	3.2	<10	0.37	
E6563618 (9326179)	4.15	2.75	0.92	8.95	17.2	3.58	2	2	0.89	<0.2	0.49	3.7	<10	0.39	
E6563619 (9326180)	3.91	2.41	0.94	7.91	17.5	3.26	2	2	0.82	<0.2	0.76	3.8	19	0.36	
E6563620 (9326181)	3.98	2.73	0.95	8.89	17.5	3.53	2	2	0.88	<0.2	0.65	3.6	16	0.42	
E6563621 (9326182)	3.69	2.53	0.81	9.46	15.6	3.31	2	2	0.84	<0.2	0.71	3.4	<10	0.38	
E6563622 (9326183)	3.84	2.61	0.84	8.88	18.0	3.51	2	2	0.83	<0.2	0.41	3.5	12	0.38	
E6563623 (9326184)	4.08	2.67	1.03	8.82	17.8	3.57	2	2	0.87	<0.2	0.64	3.9	16	0.38	
E6563624 (9326185)	4.19	2.64	0.96	8.29	17.9	3.72	1	2	0.87	<0.2	0.63	4.0	22	0.39	
E6563625 (9326186)	3.99	2.62	0.92	8.36	17.8	3.64	1	2	0.87	<0.2	0.45	3.8	12	0.39	
E6563626 (9326187)	3.07	1.80	0.95	3.33	11.0	4.45	2	4	0.61	0.3	3.28	32.8	11	0.29	
E6563627 (9326188)	4.11	2.73	1.09	8.09	18.8	3.59	2	2	0.86	<0.2	0.51	3.9	18	0.38	
E6563628 (9326189)	4.00	2.68	0.89	9.54	18.4	3.62	2	2	0.87	<0.2	0.45	3.9	18	0.39	
E6563629 (9326190)	3.63	2.52	0.71	8.49	17.3	3.18	2	2	0.79	<0.2	0.44	3.4	18	0.37	
E6563630 (9326191)	4.06	2.52	0.98	7.11	18.8	3.64	2	2	0.86	<0.2	0.64	4.1	14	0.38	
E6563631 (9326192)	3.87	2.68	0.89	8.06	16.9	3.63	2	2	0.84	<0.2	0.53	3.7	15	0.39	
E6563632 (9326193)	0.24	0.17	<0.05	0.17	0.29	0.25	1	<1	0.05	<0.2	0.05	1.3	<10	<0.05	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563633 (9326194)	4.03	2.68	0.96	9.18	17.5	3.66	2	2	0.86	<0.2	0.59	3.8	20	0.40	
E6563634 (9326195)	3.95	2.65	0.99	8.20	18.5	3.55	2	2	0.85	<0.2	0.91	4.4	39	0.39	
E6563635 (9326196)	3.92	2.48	1.12	9.16	19.7	3.46	2	2	0.78	<0.2	0.31	3.8	12	0.37	
E6563636 (9326197)	3.97	2.57	0.96	7.29	18.8	3.47	1	2	0.84	<0.2	0.76	4.2	19	0.37	
E6563637 (9326198)	4.37	2.83	0.96	9.05	18.5	3.94	2	2	0.92	<0.2	0.73	4.2	19	0.42	
E6563638 (9326199)	4.31	2.82	1.01	8.71	17.5	3.70	2	2	0.93	<0.2	0.70	4.1	16	0.42	
E6563639 (9326200)	3.93	2.71	0.97	6.07	18.6	3.67	1	2	0.86	<0.2	0.69	4.3	18	0.38	
E6563640 (9326201)	4.07	2.85	1.08	8.00	17.1	3.68	1	2	0.90	<0.2	0.51	4.0	18	0.39	
E6563641 (9326202)	4.03	2.71	0.98	7.21	17.6	3.57	1	2	0.85	<0.2	0.55	3.9	18	0.38	
E6563642 (9326203)	3.99	2.58	0.91	8.58	17.8	3.52	2	2	0.86	<0.2	0.71	3.8	27	0.39	
E6563643 (9326204)	3.88	2.52	0.84	8.40	17.1	3.29	2	2	0.80	<0.2	0.46	3.7	19	0.37	
E6563644 (9326205)	3.11	1.91	1.01	3.36	11.0	4.37	2	5	0.65	0.3	3.28	33.6	<10	0.29	
E6563645 (9326206)	4.24	2.81	0.99	9.30	18.4	3.75	2	2	0.88	<0.2	0.71	4.0	22	0.39	
E6563646 (9326207)	3.98	2.64	0.89	8.29	17.1	3.59	2	2	0.89	<0.2	0.65	3.6	22	0.39	
E6563647 (9326208)	4.30	2.82	1.00	9.67	17.8	3.79	2	2	0.91	<0.2	0.66	3.9	13	0.43	
E6563648 (9326209)	3.92	2.77	0.92	9.00	16.7	3.48	2	2	0.86	<0.2	0.54	3.6	<10	0.41	
E6563649 (9326210)	3.96	2.60	1.00	8.71	17.1	3.51	2	2	0.84	<0.2	0.47	3.6	12	0.39	
E6563650 (9326211)	4.20	2.68	0.90	8.16	17.5	3.57	2	2	0.88	<0.2	0.55	3.9	<10	0.40	
E6563651 (9326212)	4.02	2.61	0.90	8.50	16.5	3.55	1	2	0.83	<0.2	0.71	3.8	14	0.38	
E6563652 (9326213)	0.22	0.17	0.06	0.16	0.23	0.26	<1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05	
E6563653 (9326214)	4.32	2.91	0.97	9.61	16.1	3.70	2	2	0.94	<0.2	0.47	3.8	<10	0.45	
E6563654 (9326215)	4.06	2.66	0.91	8.71	16.3	3.47	2	2	0.89	<0.2	0.47	3.6	10	0.40	
E6563655 (9326216)	4.32	2.89	1.08	8.13	19.3	3.79	2	2	0.89	<0.2	0.40	4.6	<10	0.40	
E6563656 (9326217)	4.00	2.50	0.94	7.45	16.8	3.50	1	2	0.80	<0.2	0.50	4.0	14	0.37	
E6563657 (9326218)	4.44	2.91	1.12	9.73	17.6	3.89	2	2	0.94	<0.2	0.63	4.5	14	0.42	
E6563658 (9326219)	4.23	2.75	1.11	9.79	17.0	3.66	2	2	0.93	<0.2	0.59	4.4	14	0.43	
E6563659 (9326220)	4.26	2.85	0.90	10.7	17.2	3.57	2	2	0.86	<0.2	0.45	3.9	<10	0.43	
E6563660 (9326221)	3.92	2.56	0.93	9.29	16.6	3.36	1	2	0.85	<0.2	0.56	3.9	13	0.38	
E6563661 (9326222)	3.99	2.49	0.95	9.36	17.3	3.57	2	2	0.85	<0.2	0.59	4.0	17	0.42	
E6563662 (9326223)	4.20	2.91	0.75	10.3	17.1	3.70	2	2	0.91	<0.2	0.61	3.9	<10	0.47	
E6563663 (9326224)	4.21	2.65	1.42	10.5	18.3	3.83	2	2	0.84	0.3	0.57	6.3	33	0.39	
E6563664 (9326225)	3.94	2.42	0.88	6.72	18.6	3.64	2	2	0.81	<0.2	0.60	4.3	15	0.37	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6563665 (9326226)		3.80	2.62	0.96	9.38	17.2	3.53	2	2	0.81	<0.2	0.51	4.0	11	0.40
E6563666 (9326227)		3.20	1.97	1.00	3.30	11.3	4.57	2	5	0.62	0.3	3.25	37.1	<10	0.29
E6563667 (9326228)		3.83	2.51	1.01	7.86	17.5	3.75	2	2	0.81	<0.2	0.57	4.4	10	0.36
E6563668 (9326229)		4.46	2.95	1.11	9.03	19.8	4.01	2	2	0.98	<0.2	0.50	4.3	11	0.43
E6563669 (9326230)		3.70	2.42	0.94	7.44	17.4	3.27	1	2	0.75	<0.2	0.66	3.8	20	0.35
E6563670 (9326231)		4.04	2.64	1.02	7.90	19.3	3.64	2	2	0.85	<0.2	0.67	4.6	25	0.37
E6563671 (9326232)		3.79	2.35	0.83	7.15	16.6	3.43	1	2	0.78	<0.2	0.67	3.8	33	0.35
E6563672 (9326233)		0.21	0.17	0.06	0.24	0.27	0.24	1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05
E6563673 (9326234)		3.89	2.45	1.06	7.34	17.3	3.64	1	2	0.80	<0.2	0.57	4.1	18	0.35
E6563674 (9326235)		4.20	2.76	0.95	9.77	17.0	3.55	2	2	0.87	<0.2	0.46	3.7	<10	0.45
E6563675 (9326236)		4.12	2.70	0.87	9.13	17.7	3.61	2	2	0.88	<0.2	0.59	3.8	14	0.42
E6563676 (9326237)		3.98	2.47	0.88	9.11	16.6	3.35	2	2	0.83	<0.2	0.55	3.7	11	0.40
E6563677 (9326238)		4.03	2.54	2.04	9.47	17.8	3.58	2	2	0.86	0.3	0.31	5.1	11	0.35
E6563678 (9326239)		4.07	2.46	2.16	9.50	19.2	3.56	2	2	0.85	0.3	0.30	5.3	<10	0.36
E6563679 (9326240)		3.86	2.63	0.92	10.2	16.8	3.40	2	2	0.83	<0.2	0.59	3.8	<10	0.39
E6563680 (9326241)		4.21	2.79	0.97	11.2	18.2	3.67	2	2	0.93	<0.2	0.79	4.0	12	0.46
E6563681 (9326242)		4.05	2.62	1.00	8.99	17.4	3.55	1	2	0.86	<0.2	0.75	4.3	23	0.45
E6563682 (9326243)		4.18	2.82	0.99	9.46	17.7	3.77	2	2	0.91	<0.2	0.60	4.1	15	0.43
E6563683 (9326244)		3.94	2.81	0.89	9.47	16.6	3.59	2	2	0.89	<0.2	0.57	3.9	25	0.44
E6563684 (9326245)		4.28	2.82	0.94	9.52	17.8	3.70	2	2	0.93	<0.2	0.57	4.4	26	0.47
E6563685 (9326246)		4.23	2.56	1.18	8.01	16.5	3.78	1	2	0.84	<0.2	0.75	5.0	30	0.39
E6563686 (9326247)		3.16	2.03	1.00	3.33	10.8	4.51	2	5	0.67	0.3	3.21	36.8	<10	0.31
E6563687 (9326248)		3.78	2.37	0.88	6.81	17.2	3.28	1	2	0.79	<0.2	0.75	3.8	21	0.36
E6563688 (9326249)		3.38	2.29	0.82	8.51	15.4	2.88	2	2	0.71	<0.2	0.97	3.4	16	0.32
E6563689 (9326250)		3.90	2.50	0.88	9.19	16.4	3.29	2	2	0.78	<0.2	0.60	3.6	21	0.37
E6563690 (9326251)		3.77	2.48	0.84	8.14	16.6	3.26	2	2	0.80	<0.2	0.60	3.8	20	0.36
E6563691 (9326252)		3.85	2.44	0.94	7.95	17.2	3.32	2	2	0.79	<0.2	0.65	3.8	18	0.36
E6563692 (9326253)		0.23	0.16	0.08	0.21	0.32	0.25	1	<1	0.05	<0.2	<0.05	1.1	<10	<0.05
E6563693 (9326254)		3.65	2.39	0.85	8.28	16.5	3.10	1	2	0.78	<0.2	0.79	3.7	20	0.35
E6563694 (9326255)		3.42	2.22	0.86	9.51	17.2	3.03	2	2	0.73	<0.2	0.56	3.5	15	0.35
E6563695 (9326256)		3.59	2.29	0.88	8.91	16.8	3.14	2	2	0.77	<0.2	1.03	3.8	26	0.36
E6563696 (9326257)		3.48	2.25	0.98	7.86	17.3	3.10	2	2	0.75	<0.2	0.72	4.1	15	0.34

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Certified By:



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AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %	
Sample ID (AGAT ID)	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563601 (9326162)	2.42	1780	4	3	7.4	104	0.04	<5	1.46	26.6	0.18	0.8	44	23.9	
E6563602 (9326163)	2.12	1810	3	3	7.4	87	0.04	14	1.45	35.2	0.28	0.6	46	24.2	
E6563603 (9326164)	2.29	1910	4	3	7.2	105	0.04	<5	1.46	36.3	0.21	0.6	45	23.7	
E6563604 (9326165)	2.34	1950	6	3	7.3	119	0.04	8	1.44	31.5	0.51	0.6	49	22.9	
E6563605 (9326166)	2.43	2030	3	3	6.9	102	0.04	6	1.37	30.9	0.21	0.3	44	23.2	
E6563606 (9326167)	2.60	459	13	8	28.2	174	0.07	12	7.77	107	1.57	1.5	7	26.4	
E6563607 (9326168)	2.79	2380	6	3	7.8	98	0.04	9	1.47	22.0	0.56	0.6	42	22.7	
E6563608 (9326169)	2.05	1750	3	3	9.2	85	0.04	10	1.93	33.5	0.45	0.4	45	24.6	
E6563609 (9326170)	2.02	1820	5	4	7.5	87	0.03	11	1.40	32.9	0.21	1.7	44	24.2	
E6563610 (9326171)	2.32	1830	3	3	6.8	89	0.04	6	1.37	51.6	0.10	0.6	43	23.5	
E6563611 (9326172)	2.56	1940	3	3	8.1	82	0.04	9	1.63	26.6	0.31	0.9	42	23.6	
E6563612 (9326173)	2.37	81	<2	<1	0.9	<5	<0.01	<5	0.21	0.7	<0.01	<0.1	<5	4.56	
E6563613 (9326174)	2.34	1750	<2	3	7.3	83	0.04	7	1.40	31.3	0.21	0.7	44	24.2	
E6563614 (9326175)	2.35	1870	2	3	7.6	94	0.04	7	1.48	21.4	0.26	0.9	45	23.4	
E6563615 (9326176)	2.19	1880	4	3	7.5	86	0.04	<5	1.51	35.1	0.08	0.4	44	23.6	
E6563616 (9326177)	2.39	2210	4	3	7.4	97	0.04	<5	1.44	27.5	0.19	0.4	45	22.5	
E6563617 (9326178)	2.30	2250	3	3	6.7	81	0.04	<5	1.31	21.8	0.24	0.2	45	22.7	
E6563618 (9326179)	2.28	2280	3	3	7.3	86	0.03	6	1.47	21.8	0.24	0.2	45	22.8	
E6563619 (9326180)	2.13	1920	<2	3	7.5	89	0.04	<5	1.47	35.7	0.07	0.5	44	23.0	
E6563620 (9326181)	2.58	2070	3	3	7.3	107	0.03	6	1.46	30.6	0.16	0.8	47	22.6	
E6563621 (9326182)	2.60	2190	3	2	7.0	105	0.03	<5	1.36	30.3	0.22	0.2	46	22.3	
E6563622 (9326183)	2.39	2200	3	3	6.8	93	0.03	<5	1.39	17.4	0.16	0.1	44	23.1	
E6563623 (9326184)	2.28	2110	2	3	7.8	90	0.04	<5	1.52	26.5	0.16	0.4	48	22.9	
E6563624 (9326185)	2.35	1900	2	3	7.9	82	0.05	16	1.55	24.8	0.18	1.5	45	23.7	
E6563625 (9326186)	2.45	2060	3	3	7.6	75	0.03	7	1.50	20.8	0.29	0.2	46	24.1	
E6563626 (9326187)	2.64	459	13	8	28.5	170	0.07	12	7.81	107	1.55	1.6	7	26.8	
E6563627 (9326188)	1.98	1950	3	3	8.0	75	0.04	11	1.54	23.5	0.26	0.3	44	24.5	
E6563628 (9326189)	2.69	2270	2	3	7.8	85	0.03	18	1.50	16.7	0.24	0.6	48	22.5	
E6563629 (9326190)	2.27	2110	2	3	6.8	92	0.04	16	1.35	18.4	0.25	0.2	43	23.6	
E6563630 (9326191)	2.13	1690	2	3	8.1	87	0.04	26	1.59	28.4	0.07	0.3	45	23.5	
E6563631 (9326192)	2.19	2010	3	3	7.8	85	0.04	<5	1.45	23.0	0.19	0.2	48	23.0	
E6563632 (9326193)	2.11	70	<2	<1	1.1	6	0.01	<5	0.24	1.2	<0.01	<0.1	<5	5.02	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563633 (9326194)	2.32	1970	2	3	7.6	106	0.03	14	1.49	21.3	0.42	0.6	46	22.4	
E6563634 (9326195)	2.30	1700	3	3	8.3	87	0.05	5	1.65	33.2	0.28	0.9	44	23.1	
E6563635 (9326196)	2.36	2120	5	3	7.4	76	0.03	24	1.47	7.9	0.90	0.8	39	23.7	
E6563636 (9326197)	2.07	1740	4	3	8.4	83	0.04	9	1.62	36.4	0.26	0.6	43	23.9	
E6563637 (9326198)	2.62	2010	4	3	8.0	106	0.03	29	1.58	31.2	0.26	0.7	50	23.1	
E6563638 (9326199)	2.60	1970	5	3	8.1	100	0.02	31	1.61	28.9	0.25	0.7	49	22.3	
E6563639 (9326200)	1.90	1610	4	3	8.3	75	0.04	10	1.65	36.4	0.06	0.2	44	24.7	
E6563640 (9326201)	2.36	1890	3	3	8.1	78	0.03	17	1.57	18.4	0.17	0.4	47	23.1	
E6563641 (9326202)	2.29	1960	4	3	8.1	74	0.04	8	1.61	23.4	0.05	<0.1	46	24.9	
E6563642 (9326203)	2.40	2040	4	3	7.6	88	0.04	59	1.49	29.3	0.32	1.4	45	23.5	
E6563643 (9326204)	2.28	2170	4	3	7.5	64	0.03	6	1.43	20.9	0.15	0.2	41	25.0	
E6563644 (9326205)	2.69	468	13	8	30.0	179	0.07	13	8.02	107	1.59	1.5	7	26.9	
E6563645 (9326206)	2.50	2150	3	3	8.0	101	0.04	9	1.60	29.5	0.28	1.0	48	24.1	
E6563646 (9326207)	2.36	2070	3	3	7.6	86	0.04	6	1.51	29.9	0.12	0.4	46	24.7	
E6563647 (9326208)	2.39	2200	6	3	8.0	102	0.04	7	1.60	32.3	0.27	0.3	48	24.3	
E6563648 (9326209)	2.15	2170	4	3	7.5	94	0.04	<5	1.45	22.9	0.18	0.3	47	23.2	
E6563649 (9326210)	2.24	2120	4	3	7.5	93	0.04	<5	1.44	20.8	0.15	0.2	45	23.5	
E6563650 (9326211)	2.14	1990	3	3	7.8	91	0.04	10	1.53	23.2	0.23	0.2	44	23.7	
E6563651 (9326212)	2.38	2030	3	3	7.5	97	0.04	8	1.43	32.9	0.10	0.2	46	23.1	
E6563652 (9326213)	2.37	72	<2	<1	1.0	<5	<0.01	<5	0.23	0.5	<0.01	<0.1	<5	4.16	
E6563653 (9326214)	2.58	2270	2	2	7.6	97	0.04	6	1.52	20.2	0.46	0.5	47	21.9	
E6563654 (9326215)	2.46	2140	3	3	7.5	92	0.03	9	1.46	22.2	0.17	0.2	44	22.5	
E6563655 (9326216)	2.15	1900	3	3	8.6	86	0.04	8	1.72	17.3	0.17	0.5	44	22.8	
E6563656 (9326217)	2.26	1870	3	3	8.1	86	0.04	7	1.54	22.3	0.15	0.2	44	23.5	
E6563657 (9326218)	2.38	2270	42	4	8.7	345	0.03	18	1.67	29.5	0.21	0.3	45	22.9	
E6563658 (9326219)	2.30	2240	49	4	8.6	403	0.03	15	1.73	27.7	0.19	0.3	44	22.5	
E6563659 (9326220)	2.45	2510	62	5	7.9	470	0.03	6	1.50	21.2	0.19	0.3	45	21.7	
E6563660 (9326221)	2.17	2220	49	4	7.9	391	0.03	9	1.53	27.7	0.13	0.2	47	23.1	
E6563661 (9326222)	2.54	2250	40	4	8.1	343	0.03	6	1.56	29.9	0.13	0.3	45	22.4	
E6563662 (9326223)	2.84	2500	18	3	7.9	191	0.03	40	1.50	24.4	0.30	1.2	50	21.7	
E6563663 (9326224)	3.11	1760	7	3	9.8	127	0.04	534	2.07	24.9	1.12	0.7	43	20.0	
E6563664 (9326225)	1.98	1770	15	3	8.7	154	0.03	10	1.66	29.1	0.15	0.2	43	24.8	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563665 (9326226)	2.17	2230	32	4	7.8	293	0.04	<5	1.58	20.6	0.20	0.4	44	23.0	
E6563666 (9326227)	2.63	461	13	8	32.3	174	0.07	13	8.62	108	1.57	1.6	7	26.5	
E6563667 (9326228)	1.97	1930	22	3	8.8	217	0.03	8	1.75	23.9	0.13	0.3	44	24.0	
E6563668 (9326229)	2.43	2100	21	4	8.9	204	0.04	15	1.68	21.1	0.26	0.6	48	22.8	
E6563669 (9326230)	2.08	1770	45	4	7.7	369	0.04	38	1.56	31.2	0.11	0.2	41	24.5	
E6563670 (9326231)	2.13	1820	36	4	8.9	272	0.04	29	1.79	28.6	0.12	0.4	42	24.4	
E6563671 (9326232)	2.29	1740	19	3	7.9	180	0.04	17	1.59	25.5	0.07	0.4	44	24.9	
E6563672 (9326233)	2.68	89	4	<1	0.9	<5	<0.01	<5	0.23	0.5	<0.01	0.2	<5	4.02	
E6563673 (9326234)	1.87	1800	10	3	8.1	120	0.04	11	1.59	29.2	0.16	0.2	43	24.7	
E6563674 (9326235)	2.54	2410	10	3	7.8	155	0.03	7	1.52	18.0	0.36	0.4	50	21.8	
E6563675 (9326236)	2.34	2210	15	3	7.9	181	0.02	<5	1.52	31.5	0.25	0.2	45	23.1	
E6563676 (9326237)	2.34	2340	24	3	7.6	252	0.03	7	1.44	24.6	0.12	0.2	44	23.0	
E6563677 (9326238)	1.89	2790	14	3	8.7	157	0.03	8	1.74	15.8	0.22	0.5	38	23.4	
E6563678 (9326239)	1.95	2800	15	3	9.2	156	0.03	7	1.83	16.8	0.23	0.4	38	23.5	
E6563679 (9326240)	2.15	2290	78	5	7.7	624	0.04	6	1.49	28.7	0.15	0.3	44	23.2	
E6563680 (9326241)	2.31	2380	101	5	8.2	750	0.03	8	1.57	41.5	0.17	0.4	46	22.6	
E6563681 (9326242)	2.31	2140	14	3	8.2	177	0.04	10	1.65	33.1	0.14	0.3	45	23.3	
E6563682 (9326243)	2.41	2390	6	3	8.2	111	0.03	7	1.65	30.6	0.25	0.3	46	23.1	
E6563683 (9326244)	2.77	2230	4	3	7.8	109	0.03	8	1.55	23.6	0.16	0.4	51	22.3	
E6563684 (9326245)	2.78	2200	5	3	8.6	104	0.04	9	1.69	25.2	0.16	0.5	50	22.5	
E6563685 (9326246)	2.72	1660	4	3	9.1	81	0.04	140	1.81	31.0	0.18	0.4	43	23.9	
E6563686 (9326247)	2.66	456	13	8	32.6	169	0.06	13	8.69	110	1.53	1.6	7	26.6	
E6563687 (9326248)	2.81	1460	5	3	7.7	130	0.04	89	1.55	36.6	0.04	0.3	43	24.5	
E6563688 (9326249)	3.36	1650	4	2	6.8	189	0.04	9	1.35	47.0	0.07	0.3	41	23.0	
E6563689 (9326250)	3.77	1840	4	3	7.5	129	0.03	14	1.47	35.6	0.09	0.2	41	22.4	
E6563690 (9326251)	3.06	1440	4	3	7.6	144	0.03	44	1.49	33.3	0.10	0.2	42	23.0	
E6563691 (9326252)	3.47	1640	4	3	7.8	122	0.04	11	1.53	41.4	0.10	0.3	44	23.2	
E6563692 (9326253)	2.90	77	<2	<1	0.9	6	0.02	<5	0.19	0.9	<0.01	0.1	<5	5.04	
E6563693 (9326254)	3.50	1630	4	3	7.5	106	0.04	18	1.48	46.3	0.20	0.3	43	23.4	
E6563694 (9326255)	3.73	1730	6	2	6.8	95	0.04	7	1.39	28.6	0.10	0.3	39	22.6	
E6563695 (9326256)	3.55	1880	4	3	7.4	113	0.04	15	1.49	53.8	0.11	0.4	43	24.0	
E6563696 (9326257)	3.20	1650	5	3	7.8	100	0.03	48	1.56	28.2	0.16	0.6	41	24.1	

Certified By:



AGAT Laboratories

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AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 02, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1	
E6563601 (9326162)	2.4	<1	177	<0.5	0.60	0.5	0.64	<0.5	0.33	0.11	298	1	21.6	2.3	
E6563602 (9326163)	2.4	<1	156	<0.5	0.60	0.4	0.66	<0.5	0.37	0.09	309	1	22.1	2.3	
E6563603 (9326164)	2.4	<1	156	<0.5	0.61	0.4	0.64	<0.5	0.36	0.10	305	1	22.2	2.4	
E6563604 (9326165)	2.4	1	175	<0.5	0.61	0.4	0.63	<0.5	0.38	0.10	318	1	23.1	2.6	
E6563605 (9326166)	2.3	<1	151	<0.5	0.57	0.4	0.64	<0.5	0.36	0.09	300	1	22.1	2.4	
E6563606 (9326167)	5.0	2	30.1	0.7	0.62	10.9	0.23	0.8	0.28	5.96	55	4	17.4	1.7	
E6563607 (9326168)	2.4	<1	129	<0.5	0.63	0.4	0.58	<0.5	0.38	0.11	300	3	25.4	2.6	
E6563608 (9326169)	2.6	<1	155	<0.5	0.56	0.4	0.66	<0.5	0.31	0.09	302	3	20.0	2.1	
E6563609 (9326170)	2.5	2	175	0.6	0.56	0.4	0.65	<0.5	0.35	0.10	297	2	21.6	2.2	
E6563610 (9326171)	2.3	2	158	<0.5	0.54	0.4	0.62	<0.5	0.33	0.08	289	1	20.2	2.2	
E6563611 (9326172)	2.5	<1	158	<0.5	0.58	0.5	0.63	<0.5	0.34	0.12	287	2	21.6	2.3	
E6563612 (9326173)	0.2	<1	54.9	<0.5	<0.05	<0.1	0.01	<0.5	<0.05	0.11	<5	<1	2.3	0.1	
E6563613 (9326174)	2.3	<1	142	<0.5	0.55	0.4	0.65	<0.5	0.36	0.11	299	1	20.7	2.3	
E6563614 (9326175)	2.6	<1	169	<0.5	0.63	0.4	0.65	<0.5	0.37	0.10	300	2	23.7	2.5	
E6563615 (9326176)	2.3	<1	165	<0.5	0.59	0.4	0.66	<0.5	0.35	0.10	299	1	22.5	2.3	
E6563616 (9326177)	2.5	<1	152	<0.5	0.58	0.4	0.63	<0.5	0.38	0.10	309	2	22.7	2.5	
E6563617 (9326178)	2.3	<1	144	<0.5	0.56	0.4	0.63	<0.5	0.35	0.10	299	2	21.6	2.3	
E6563618 (9326179)	2.5	1	145	<0.5	0.61	0.4	0.63	<0.5	0.40	0.10	301	2	22.5	2.5	
E6563619 (9326180)	2.4	<1	158	<0.5	0.58	0.4	0.64	<0.5	0.37	0.08	301	1	22.5	2.4	
E6563620 (9326181)	2.5	2	160	<0.5	0.61	0.4	0.63	<0.5	0.39	0.10	313	1	23.5	2.6	
E6563621 (9326182)	2.3	<1	128	<0.5	0.57	0.4	0.62	<0.5	0.37	0.09	303	1	21.4	2.5	
E6563622 (9326183)	2.3	<1	126	<0.5	0.58	0.4	0.64	<0.5	0.39	0.11	301	1	23.2	2.5	
E6563623 (9326184)	2.5	<1	155	<0.5	0.63	0.4	0.66	<0.5	0.38	0.10	323	1	22.9	2.4	
E6563624 (9326185)	2.7	<1	172	<0.5	0.64	0.4	0.66	<0.5	0.40	0.09	308	2	23.3	2.6	
E6563625 (9326186)	2.6	<1	119	<0.5	0.65	0.4	0.65	<0.5	0.38	0.10	300	1	22.8	2.6	
E6563626 (9326187)	5.1	2	29.3	0.7	0.63	11.1	0.23	0.8	0.27	6.13	54	4	18.1	1.7	
E6563627 (9326188)	2.5	1	136	<0.5	0.63	0.5	0.65	<0.5	0.39	0.11	306	1	23.3	2.4	
E6563628 (9326189)	2.6	<1	134	<0.5	0.65	0.4	0.63	<0.5	0.39	0.10	314	1	23.7	2.6	
E6563629 (9326190)	2.3	<1	121	<0.5	0.56	0.4	0.62	<0.5	0.36	0.10	296	1	21.3	2.4	
E6563630 (9326191)	2.6	11	133	<0.5	0.65	0.5	0.66	<0.5	0.38	0.09	305	<1	22.5	2.5	
E6563631 (9326192)	2.4	<1	136	<0.5	0.60	0.4	0.65	<0.5	0.36	0.10	318	1	22.2	2.5	
E6563632 (9326193)	0.2	<1	54.3	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.2	0.1	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
E6563633 (9326194)		2.5	<1	150	<0.5	0.60	0.4	0.62	<0.5	0.40	0.10	305	1	23.8	2.6
E6563634 (9326195)		2.5	<1	164	<0.5	0.62	0.5	0.65	<0.5	0.37	0.16	307	2	22.6	2.4
E6563635 (9326196)		2.4	<1	109	<0.5	0.57	0.4	0.60	<0.5	0.35	0.09	281	3	21.4	2.3
E6563636 (9326197)		2.6	<1	145	<0.5	0.61	0.5	0.64	<0.5	0.37	0.10	293	2	22.3	2.5
E6563637 (9326198)		2.6	<1	167	<0.5	0.68	0.4	0.63	<0.5	0.43	0.11	322	1	25.5	2.8
E6563638 (9326199)		2.7	<1	162	<0.5	0.64	0.5	0.60	<0.5	0.42	0.11	315	1	23.5	2.7
E6563639 (9326200)		2.7	<1	147	<0.5	0.65	0.5	0.66	<0.5	0.35	0.11	299	1	21.2	2.2
E6563640 (9326201)		2.7	3	132	<0.5	0.65	0.4	0.64	<0.5	0.39	0.10	304	1	23.0	2.6
E6563641 (9326202)		2.5	<1	125	<0.5	0.62	0.5	0.66	<0.5	0.39	0.10	297	1	22.1	2.4
E6563642 (9326203)		2.5	<1	146	<0.5	0.60	0.4	0.63	<0.5	0.39	0.10	312	1	22.0	2.6
E6563643 (9326204)		2.4	<1	99.0	<0.5	0.59	0.5	0.59	<0.5	0.35	0.11	285	2	21.2	2.3
E6563644 (9326205)		5.5	2	30.4	0.6	0.61	11.0	0.23	0.8	0.28	6.13	57	4	17.2	1.8
E6563645 (9326206)		2.6	<1	157	<0.5	0.67	0.5	0.65	<0.5	0.42	0.11	314	1	23.6	2.7
E6563646 (9326207)		2.5	<1	137	<0.5	0.62	0.5	0.67	<0.5	0.38	0.10	306	1	22.2	2.4
E6563647 (9326208)		2.6	<1	127	<0.5	0.66	0.4	0.64	<0.5	0.42	0.11	316	1	24.2	2.8
E6563648 (9326209)		2.6	<1	139	<0.5	0.61	0.4	0.63	<0.5	0.41	0.11	312	1	22.2	2.7
E6563649 (9326210)		2.5	<1	139	<0.5	0.61	0.4	0.63	<0.5	0.38	0.11	298	1	22.5	2.5
E6563650 (9326211)		2.5	8	136	<0.5	0.64	0.5	0.65	<0.5	0.40	0.11	297	2	23.0	2.6
E6563651 (9326212)		2.4	<1	143	<0.5	0.60	0.4	0.64	<0.5	0.37	0.09	307	<1	22.2	2.4
E6563652 (9326213)		0.2	<1	55.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.14	<5	<1	2.3	0.1
E6563653 (9326214)		2.5	1	150	<0.5	0.65	0.4	0.57	<0.5	0.45	0.11	305	1	23.9	3.0
E6563654 (9326215)		2.4	<1	138	<0.5	0.60	0.4	0.60	<0.5	0.39	0.11	295	1	21.6	2.6
E6563655 (9326216)		2.8	1	150	<0.5	0.67	0.5	0.63	<0.5	0.41	0.12	304	2	24.5	2.7
E6563656 (9326217)		2.6	<1	136	<0.5	0.62	0.4	0.62	<0.5	0.36	0.10	296	2	21.5	2.4
E6563657 (9326218)		2.8	3	139	<0.5	0.71	0.5	0.62	<0.5	0.42	0.13	355	1	24.7	2.7
E6563658 (9326219)		2.8	1	133	<0.5	0.66	0.5	0.61	<0.5	0.40	0.11	361	1	23.2	2.8
E6563659 (9326220)		2.5	1	121	<0.5	0.64	0.4	0.59	<0.5	0.40	0.12	377	2	23.2	2.8
E6563660 (9326221)		2.7	<1	130	<0.5	0.61	0.4	0.63	<0.5	0.36	0.10	370	1	22.7	2.6
E6563661 (9326222)		2.6	<1	137	<0.5	0.60	0.4	0.61	<0.5	0.36	0.11	350	2	22.6	2.5
E6563662 (9326223)		2.6	<1	147	<0.5	0.64	0.4	0.59	<0.5	0.41	0.11	335	2	24.5	3.0
E6563663 (9326224)		3.0	1	87.1	<0.5	0.67	0.5	0.58	<0.5	0.37	0.30	283	4	23.0	2.5
E6563664 (9326225)		2.6	<1	144	<0.5	0.63	0.5	0.67	<0.5	0.34	0.10	305	1	21.9	2.4

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AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563665 (9326226)	2.6	1	138	<0.5	0.62	0.4	0.61	<0.5	0.35	0.10	338	1	21.9	2.5
E6563666 (9326227)	5.6	2	30.3	0.7	0.62	12.0	0.23	0.9	0.28	6.70	56	7	18.2	2.0
E6563667 (9326228)	2.7	2	133	<0.5	0.59	0.5	0.65	<0.5	0.36	0.10	322	1	22.0	2.4
E6563668 (9326229)	2.9	1	166	<0.5	0.68	0.5	0.66	<0.5	0.40	0.10	353	2	25.2	2.9
E6563669 (9326230)	2.5	1	130	<0.5	0.57	0.4	0.66	<0.5	0.31	0.09	353	2	19.6	2.3
E6563670 (9326231)	2.9	1	129	<0.5	0.63	0.5	0.65	<0.5	0.38	0.10	333	2	22.3	2.5
E6563671 (9326232)	2.6	1	118	<0.5	0.57	0.5	0.67	<0.5	0.36	0.09	325	3	20.6	2.3
E6563672 (9326233)	0.2	<1	53.5	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.27	7	<1	2.2	0.1
E6563673 (9326234)	2.6	<1	138	<0.5	0.59	0.4	0.63	<0.5	0.35	0.11	303	3	21.4	2.3
E6563674 (9326235)	2.7	<1	140	<0.5	0.65	0.5	0.60	<0.5	0.42	0.13	338	2	24.6	2.9
E6563675 (9326236)	2.6	2	123	<0.5	0.61	0.4	0.64	<0.5	0.37	0.11	324	2	23.6	2.7
E6563676 (9326237)	2.6	<1	126	<0.5	0.58	0.4	0.62	<0.5	0.37	0.10	329	2	21.9	2.5
E6563677 (9326238)	2.8	3	157	<0.5	0.62	0.4	0.53	<0.5	0.36	0.10	298	2	21.8	2.4
E6563678 (9326239)	2.8	1	159	<0.5	0.65	0.4	0.53	<0.5	0.35	0.10	298	1	23.0	2.3
E6563679 (9326240)	2.5	1	127	<0.5	0.61	0.4	0.63	<0.5	0.38	0.10	408	3	21.6	2.6
E6563680 (9326241)	2.7	1	126	<0.5	0.63	0.5	0.62	<0.5	0.42	0.11	458	2	24.0	2.9
E6563681 (9326242)	2.7	1	140	<0.5	0.65	0.4	0.64	<0.5	0.40	0.10	323	2	22.8	2.6
E6563682 (9326243)	2.7	1	130	<0.5	0.65	0.5	0.63	<0.5	0.41	0.11	314	2	23.6	2.8
E6563683 (9326244)	2.7	<1	145	<0.5	0.63	0.4	0.62	<0.5	0.39	0.10	335	3	23.2	2.7
E6563684 (9326245)	2.8	1	143	<0.5	0.68	0.4	0.63	<0.5	0.42	0.11	331	2	24.8	3.0
E6563685 (9326246)	2.9	1	111	<0.5	0.64	0.5	0.61	<0.5	0.38	0.14	295	2	21.6	2.5
E6563686 (9326247)	5.9	2	30.5	0.7	0.63	11.9	0.23	0.8	0.27	6.67	55	5	18.1	2.0
E6563687 (9326248)	2.4	2	145	<0.5	0.59	0.5	0.61	<0.5	0.34	0.11	288	1	20.1	2.3
E6563688 (9326249)	2.3	1	161	<0.5	0.49	0.4	0.58	<0.5	0.31	0.10	275	<1	19.1	2.2
E6563689 (9326250)	2.4	1	143	<0.5	0.58	0.4	0.58	<0.5	0.35	0.11	279	<1	21.3	2.5
E6563690 (9326251)	2.6	1	152	<0.5	0.60	0.4	0.61	<0.5	0.38	0.10	287	<1	21.5	2.4
E6563691 (9326252)	2.5	1	163	<0.5	0.58	0.5	0.60	<0.5	0.36	0.12	291	<1	21.2	2.4
E6563692 (9326253)	0.2	<1	52.2	<0.5	<0.05	<0.1	0.01	<0.5	<0.05	0.14	<5	<1	2.2	0.1
E6563693 (9326254)	2.4	1	137	<0.5	0.55	0.4	0.61	<0.5	0.34	0.12	286	<1	20.2	2.3
E6563694 (9326255)	2.2	1	188	<0.5	0.51	0.4	0.57	<0.5	0.34	0.10	268	1	19.9	2.3
E6563695 (9326256)	2.4	<1	139	<0.5	0.54	0.4	0.61	<0.5	0.32	0.11	293	1	20.0	2.2
E6563696 (9326257)	2.5	1	162	<0.5	0.54	0.5	0.59	<0.5	0.33	0.13	286	1	19.8	2.2

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AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Certified By:



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563601 (9326162)		70	58.9
E6563602 (9326163)		99	61.6
E6563603 (9326164)		71	62.0
E6563604 (9326165)		107	59.6
E6563605 (9326166)		82	61.3
E6563606 (9326167)		<5	165
E6563607 (9326168)		114	58.0
E6563608 (9326169)		78	58.1
E6563609 (9326170)		91	63.3
E6563610 (9326171)		105	58.8
E6563611 (9326172)		79	64.5
E6563612 (9326173)		<5	2.4
E6563613 (9326174)		59	61.8
E6563614 (9326175)		65	64.0
E6563615 (9326176)		88	63.2
E6563616 (9326177)		88	61.9
E6563617 (9326178)		92	60.4
E6563618 (9326179)		97	62.6
E6563619 (9326180)		76	62.5
E6563620 (9326181)		94	62.2
E6563621 (9326182)		85	56.9
E6563622 (9326183)		94	63.7
E6563623 (9326184)		98	62.2
E6563624 (9326185)		83	64.9
E6563625 (9326186)		83	65.6
E6563626 (9326187)		<5	169
E6563627 (9326188)		68	62.6
E6563628 (9326189)		99	65.1
E6563629 (9326190)		93	59.2
E6563630 (9326191)		71	65.2
E6563631 (9326192)		83	62.2
E6563632 (9326193)		<5	3.0

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563633 (9326194)		63	59.7
E6563634 (9326195)		48	64.6
E6563635 (9326196)		43	57.5
E6563636 (9326197)		62	63.3
E6563637 (9326198)		243	65.7
E6563638 (9326199)		228	62.7
E6563639 (9326200)		81	66.8
E6563640 (9326201)		83	59.8
E6563641 (9326202)		110	64.8
E6563642 (9326203)		148	61.2
E6563643 (9326204)		91	62.6
E6563644 (9326205)		<5	164
E6563645 (9326206)		78	64.7
E6563646 (9326207)		96	65.9
E6563647 (9326208)		88	63.4
E6563648 (9326209)		83	60.7
E6563649 (9326210)		89	61.6
E6563650 (9326211)		84	63.9
E6563651 (9326212)		115	61.1
E6563652 (9326213)		<5	2.3
E6563653 (9326214)		82	59.6
E6563654 (9326215)		89	59.2
E6563655 (9326216)		70	67.0
E6563656 (9326217)		87	61.5
E6563657 (9326218)		133	64.4
E6563658 (9326219)		127	60.0
E6563659 (9326220)		101	61.1
E6563660 (9326221)		90	60.3
E6563661 (9326222)		83	61.9
E6563662 (9326223)		142	62.5
E6563663 (9326224)		1020	56.2
E6563664 (9326225)		84	67.1

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6563665 (9326226)		102	59.8
E6563666 (9326227)		<5	173
E6563667 (9326228)		102	62.5
E6563668 (9326229)		100	67.5
E6563669 (9326230)		109	61.7
E6563670 (9326231)		186	65.6
E6563671 (9326232)		68	64.3
E6563672 (9326233)		<5	1.8
E6563673 (9326234)		82	63.1
E6563674 (9326235)		83	60.4
E6563675 (9326236)		83	63.5
E6563676 (9326237)		97	60.2
E6563677 (9326238)		85	51.2
E6563678 (9326239)		82	54.3
E6563679 (9326240)		89	59.8
E6563680 (9326241)		83	62.7
E6563681 (9326242)		74	61.2
E6563682 (9326243)		84	62.1
E6563683 (9326244)		74	59.1
E6563684 (9326245)		76	63.9
E6563685 (9326246)		382	62.0
E6563686 (9326247)		7	169
E6563687 (9326248)		109	61.9
E6563688 (9326249)		133	53.3
E6563689 (9326250)		91	58.4
E6563690 (9326251)		82	60.6
E6563691 (9326252)		83	61.0
E6563692 (9326253)		<5	2.4
E6563693 (9326254)		75	60.4
E6563694 (9326255)		76	55.2
E6563695 (9326256)		108	59.4
E6563696 (9326257)		70	56.0

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563601 (9326162)		90
E6563610 (9326171)		85
E6563620 (9326181)		85
E6563630 (9326191)		87
E6563640 (9326201)		88
E6563650 (9326211)		83
E6563657 (9326218)		85
E6563667 (9326228)		84
E6563677 (9326238)		87
E6563687 (9326248)		86

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 02, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563633 (9326194)		85
E6563657 (9326218)		90

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9326162	< 1	< 1	0.0%	9326173	< 1	< 1	0.0%	9326185	< 1	< 1	0.0%	9326188	< 1	< 1	0.0%
Al	9326162	8.57	8.45	1.4%	9326173	0.17	0.14	19.4%	9326185	8.73	8.62	1.3%	9326188	8.67	8.33	4.0%
As	9326162	6	6	0.0%	9326173	< 5	< 5	0.0%	9326185	< 5	< 5	0.0%	9326188	< 5	< 5	0.0%
B	9326162	23	26	12.2%	9326173	< 20	< 20	0.0%	9326185	< 20	< 20	0.0%	9326188	< 20	< 20	0.0%
Ba	9326162	168	164	2.4%	9326173	15.0	15.2	1.3%	9326185	183	184	0.5%	9326188	131	133	1.5%
Be	9326162	< 5	< 5	0.0%	9326173	< 5	< 5	0.0%	9326185	< 5	< 5	0.0%	9326188	< 5	< 5	0.0%
Bi	9326162	0.1	0.1	0.0%	9326173	< 0.1	< 0.1	0.0%	9326185	0.1	0.1	0.0%	9326188	0.27	0.24	11.8%
Ca	9326162	7.06	6.99	1.0%	9326173	32.7	33.3	1.8%	9326185	7.09	7.01	1.1%	9326188	7.35	7.07	3.9%
Cd	9326162	< 0.2	< 0.2	0.0%	9326173	< 0.2	< 0.2	0.0%	9326185	< 0.2	< 0.2	0.0%	9326188	< 0.2	< 0.2	0.0%
Ce	9326162	10.0	10.0	0.0%	9326173	1.02	1.08	5.7%	9326185	10.5	10.0	4.9%	9326188	10.4	9.4	10.1%
Co	9326162	48.3	47.8	1.0%	9326173	1.58	1.49	5.9%	9326185	49.4	48.5	1.8%	9326188	51.4	48.5	5.8%
Cr	9326162	0.021	0.021	0.0%	9326173	< 0.005	< 0.005	0.0%	9326185	0.0215	0.0216	0.5%	9326188	0.021	0.021	0.0%
Cs	9326162	0.4	0.4	0.0%	9326173	< 0.1	< 0.1	0.0%	9326185	0.7	0.7	0.0%	9326188	0.8	0.8	0.0%
Cu	9326162	65	54	18.5%	9326173	8	7	13.3%	9326185	84	83	1.2%	9326188	157	162	3.1%
Dy	9326162	3.77	3.91	3.6%	9326173	0.24	0.29	18.9%	9326185	4.19	3.83	9.0%	9326188	4.11	3.75	9.2%
Er	9326162	2.38	2.48	4.1%	9326173	0.15	0.16	6.5%	9326185	2.64	2.40	9.5%	9326188	2.73	2.38	13.7%
Eu	9326162	0.902	0.938	3.9%	9326173	0.043	0.058	29.7%	9326185	0.962	0.935	2.8%	9326188	1.09	1.00	8.6%
Fe	9326162	8.24	8.08	2.0%	9326173	0.189	0.183	3.2%	9326185	8.29	8.20	1.1%	9326188	8.09	7.82	3.4%
Ga	9326162	16.7	17.1	2.4%	9326173	0.337	0.310	8.3%	9326185	17.9	17.9	0.0%	9326188	18.8	18.0	4.3%
Gd	9326162	3.36	3.41	1.5%	9326173	0.231	0.260	11.8%	9326185	3.72	3.48	6.7%	9326188	3.59	3.30	8.4%
Ge	9326162	1	2		9326173	1	1	0.0%	9326185	1	1	0.0%	9326188	2	2	0.0%
Hf	9326162	2	2	0.0%	9326173	< 1	< 1	0.0%	9326185	2	2	0.0%	9326188	2	2	0.0%
Ho	9326162	0.82	0.83	1.2%	9326173	0.05	0.05	0.0%	9326185	0.873	0.823	5.9%	9326188	0.864	0.794	8.4%
In	9326162	< 0.2	< 0.2	0.0%	9326173	< 0.2	< 0.2	0.0%	9326185	< 0.2	< 0.2	0.0%	9326188	< 0.2	< 0.2	0.0%
K	9326162	0.71	0.69	2.9%	9326173	0.049	0.058	16.8%	9326185	0.625	0.607	2.9%	9326188	0.507	0.483	4.8%
La	9326162	3.9	3.9	0.0%	9326173	1.18	1.27	7.3%	9326185	3.97	3.80	4.4%	9326188	3.9	3.5	10.8%
Li	9326162	16	15	6.5%	9326173	< 10	< 10	0.0%	9326185	22	23	4.4%	9326188	18	17	5.7%
Lu	9326162	0.37	0.37	0.0%	9326173	< 0.05	< 0.05	0.0%	9326185	0.387	0.350	10.0%	9326188	0.38	0.35	8.2%
Mg	9326162	2.42	2.36	2.5%	9326173	2.37	2.42	2.1%	9326185	2.35	2.37	0.8%	9326188	1.98	1.98	0.0%
Mn	9326162	1780	1790	0.6%	9326173	81	82	1.2%	9326185	1900	1950	2.6%	9326188	1950	1990	2.0%
Mo	9326162	4	4	0.0%	9326173	< 2	< 2	0.0%	9326185	2	2	0.0%	9326188	3	2	



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Nb	9326162	3	3	0.0%	9326173	< 1	< 1	0.0%	9326185	3	3	0.0%	9326188	3	3	0.0%
Nd	9326162	7.4	7.6	2.7%	9326173	0.9	0.9	0.0%	9326185	7.89	7.41	6.3%	9326188	7.99	7.13	11.4%
Ni	9326162	104	98	5.9%	9326173	< 5	< 5	0.0%	9326185	82	81	1.2%	9326188	75	75	0.0%
P	9326162	0.04	0.04	0.0%	9326173	< 0.01	< 0.01	0.0%	9326185	0.045	0.042	6.9%	9326188	0.04	0.04	0.0%
Pb	9326162	< 5	< 5	0.0%	9326173	< 5	< 5	0.0%	9326185	16	13	20.7%	9326188	11	9	20.0%
Pr	9326162	1.46	1.49	2.0%	9326173	0.21	0.22	4.7%	9326185	1.55	1.50	3.3%	9326188	1.54	1.40	9.5%
Rb	9326162	26.6	27.0	1.5%	9326173	0.7	0.7	0.0%	9326185	24.8	24.1	2.9%	9326188	23.5	21.8	7.5%
S	9326162	0.176	0.158	10.8%	9326173	< 0.01	< 0.01	0.0%	9326185	0.18	0.18	0.0%	9326188	0.263	0.276	4.8%
Sb	9326162	0.8	0.8	0.0%	9326173	< 0.1	< 0.1	0.0%	9326185	1.54	1.59	3.2%	9326188	0.28	0.24	15.4%
Sc	9326162	44	44	0.0%	9326173	< 5	< 5	0.0%	9326185	45	46	2.2%	9326188	44	44	0.0%
Si	9326162	23.9	23.2	3.0%	9326173	4.56	4.50	1.3%	9326185	23.7	23.4	1.3%	9326188	24.5	23.6	3.7%
Sm	9326162	2.4	2.5	4.1%	9326173	0.2	0.2	0.0%	9326185	2.71	2.33	15.1%	9326188	2.49	2.40	3.7%
Sn	9326162	< 1	< 1	0.0%	9326173	< 1	< 1	0.0%	9326185	< 1	< 1	0.0%	9326188	1	< 1	
Sr	9326162	177	173	2.3%	9326173	54.9	55.4	0.9%	9326185	172	173	0.6%	9326188	136	139	2.2%
Ta	9326162	< 0.5	< 0.5	0.0%	9326173	< 0.5	< 0.5	0.0%	9326185	< 0.5	< 0.5	0.0%	9326188	< 0.5	< 0.5	0.0%
Tb	9326162	0.60	0.60	0.0%	9326173	< 0.05	< 0.05	0.0%	9326185	0.64	0.59	8.1%	9326188	0.626	0.560	11.1%
Th	9326162	0.5	0.5	0.0%	9326173	< 0.1	< 0.1	0.0%	9326185	0.4	0.4	0.0%	9326188	0.45	0.40	11.8%
Ti	9326162	0.636	0.628	1.3%	9326173	0.01	0.01	0.0%	9326185	0.661	0.653	1.2%	9326188	0.645	0.622	3.6%
Tl	9326162	< 0.5	< 0.5	0.0%	9326173	< 0.5	< 0.5	0.0%	9326185	< 0.5	< 0.5	0.0%	9326188	< 0.5	< 0.5	0.0%
Tm	9326162	0.335	0.369	9.7%	9326173	< 0.05	< 0.05	0.0%	9326185	0.40	0.35	13.3%	9326188	0.39	0.34	13.7%
U	9326162	0.113	0.120	6.0%	9326173	0.11	0.13	16.7%	9326185	0.09	0.09	0.0%	9326188	0.11	0.10	9.5%
V	9326162	298	299	0.3%	9326173	< 5	< 5	0.0%	9326185	308	315	2.2%	9326188	306	314	2.6%
W	9326162	1	1	0.0%	9326173	< 1	< 1	0.0%	9326185	2	1		9326188	1	1	0.0%
Y	9326162	21.6	21.6	0.0%	9326173	2.31	2.38	3.0%	9326185	23.3	22.5	3.5%	9326188	23.3	21.5	8.0%
Yb	9326162	2.3	2.4	4.3%	9326173	0.1	0.1	0.0%	9326185	2.6	2.3	12.2%	9326188	2.4	2.4	0.0%
Zn	9326162	70	65	7.4%	9326173	< 5	< 5	0.0%	9326185	83	79	4.9%	9326188	68	67	1.5%
Zr	9326162	58.9	58.9	0.0%	9326173	2.42	2.34	3.4%	9326185	64.9	61.8	4.9%	9326188	62.6	58.6	6.6%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9326197	< 1	< 1	0.0%	9326209	< 1	< 1	0.0%	9326212	< 1	< 1	0.0%	9326221	< 1	< 1	0.0%
Al	9326197	8.69	8.75	0.7%	9326209	8.51	8.54	0.4%	9326212	8.62	8.45	2.0%	9326221	8.41	8.49	0.9%
As	9326197	< 5	< 5	0.0%	9326209	< 5	< 5	0.0%	9326212	< 5	< 5	0.0%	9326221	< 5	< 5	0.0%
B	9326197	23	22	4.4%	9326209	21	19	10.0%	9326212	21	19	10.0%	9326221	23	19	19.0%
Ba	9326197	176	172	2.3%	9326209	129	132	2.3%	9326212	161	155	3.8%	9326221	125	123	1.6%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9326197	< 5	< 5	0.0%	9326209	< 5	< 5	0.0%	9326212	< 5	< 5	0.0%	9326221	< 5	< 5	0.0%
Bi	9326197	0.1	0.1	0.0%	9326209	0.15	0.14	6.9%	9326212	0.1	0.1	0.0%	9326221	< 0.1	< 0.1	0.0%
Ca	9326197	7.06	7.09	0.4%	9326209	8.22	8.24	0.2%	9326212	7.50	7.45	0.7%	9326221	7.41	7.40	0.1%
Cd	9326197	< 0.2	< 0.2	0.0%	9326209	< 0.2	< 0.2	0.0%	9326212	< 0.2	< 0.2	0.0%	9326221	0.2	0.2	0.0%
Ce	9326197	10.7	10.5	1.9%	9326209	9.4	10.4	10.1%	9326212	9.61	10.9	12.6%	9326221	10.2	10.5	2.9%
Co	9326197	49.5	46.6	6.0%	9326209	50.4	53.9	6.7%	9326212	49.0	50.3	2.6%	9326221	51.4	56.7	9.8%
Cr	9326197	0.021	0.021	0.0%	9326209	0.022	0.022	0.0%	9326212	0.021	0.021	0.0%	9326221	0.035	0.044	22.8%
Cs	9326197	0.95	0.90	5.4%	9326209	0.44	0.50	12.8%	9326212	0.6	0.6	0.0%	9326221	0.83	0.91	9.2%
Cu	9326197	149	145	2.7%	9326209	99	100	1.0%	9326212	56	54	3.6%	9326221	82	87	5.9%
Dy	9326197	3.97	3.80	4.4%	9326209	3.92	4.31	9.5%	9326212	4.02	4.47	10.6%	9326221	3.92	4.18	6.4%
Er	9326197	2.57	2.37	8.1%	9326209	2.77	2.88	3.9%	9326212	2.61	2.83	8.1%	9326221	2.56	2.89	12.1%
Eu	9326197	0.96	0.95	1.0%	9326209	0.92	1.04	12.2%	9326212	0.904	1.02	12.1%	9326221	0.935	0.956	2.2%
Fe	9326197	7.29	7.28	0.1%	9326209	9.00	8.97	0.3%	9326212	8.50	8.36	1.7%	9326221	9.29	10.3	10.3%
Ga	9326197	18.8	17.6	6.6%	9326209	16.7	17.8	6.4%	9326212	16.5	17.3	4.7%	9326221	16.6	18.0	8.1%
Gd	9326197	3.47	3.35	3.5%	9326209	3.48	3.67	5.3%	9326212	3.55	3.81	7.1%	9326221	3.36	3.66	8.5%
Ge	9326197	1	2		9326209	2	2	0.0%	9326212	1	2		9326221	1	2	
Hf	9326197	2	2	0.0%	9326209	2	2	0.0%	9326212	2	2	0.0%	9326221	2	2	0.0%
Ho	9326197	0.835	0.814	2.5%	9326209	0.86	0.94	8.9%	9326212	0.833	0.928	10.8%	9326221	0.85	0.86	1.2%
In	9326197	< 0.2	< 0.2	0.0%	9326209	< 0.2	< 0.2	0.0%	9326212	< 0.2	< 0.2	0.0%	9326221	< 0.2	< 0.2	0.0%
K	9326197	0.757	0.766	1.2%	9326209	0.54	0.54	0.0%	9326212	0.714	0.715	0.1%	9326221	0.56	0.55	1.8%
La	9326197	4.2	4.0	4.9%	9326209	3.6	3.8	5.4%	9326212	3.8	4.1	7.6%	9326221	3.9	4.0	2.5%
Li	9326197	19	19	0.0%	9326209	9	10	10.5%	9326212	14	14	0.0%	9326221	13	11	16.7%
Lu	9326197	0.37	0.34	8.5%	9326209	0.413	0.437	5.6%	9326212	0.381	0.406	6.4%	9326221	0.38	0.43	12.3%
Mg	9326197	2.07	2.04	1.5%	9326209	2.15	2.18	1.4%	9326212	2.38	2.31	3.0%	9326221	2.17	2.12	2.3%
Mn	9326197	1740	1740	0.0%	9326209	2170	2160	0.5%	9326212	2030	2010	1.0%	9326221	2220	2260	1.8%
Mo	9326197	4	4	0.0%	9326209	4	4	0.0%	9326212	3	3	0.0%	9326221	49	42	15.4%
Nb	9326197	3	3	0.0%	9326209	3	3	0.0%	9326212	3	3	0.0%	9326221	4	5	
Nd	9326197	8.4	7.8	7.4%	9326209	7.52	7.92	5.2%	9326212	7.48	8.15	8.6%	9326221	7.94	8.13	2.4%
Ni	9326197	83	81	2.4%	9326209	94	94	0.0%	9326212	97	97	0.0%	9326221	391	379	3.1%
P	9326197	0.04	0.03	28.6%	9326209	0.04	0.03	28.6%	9326212	0.04	0.04	0.0%	9326221	0.03	0.03	0.0%
Pb	9326197	9	9	0.0%	9326209	< 5	< 5	0.0%	9326212	8	7	13.3%	9326221	9	9	0.0%
Pr	9326197	1.62	1.58	2.5%	9326209	1.45	1.54	6.0%	9326212	1.43	1.62	12.5%	9326221	1.53	1.62	5.7%
Rb	9326197	36.4	32.9	10.1%	9326209	22.9	24.2	5.5%	9326212	32.9	34.5	4.7%	9326221	27.7	29.1	4.9%
S	9326197	0.26	0.25	3.9%	9326209	0.181	0.189	4.3%	9326212	0.10	0.10	0.0%	9326221	0.128	0.112	13.3%



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Sb	9326197	0.62	0.53	15.7%	9326209	0.3	0.3	0.0%	9326212	0.23	0.28	19.6%	9326221	0.2	0.2	0.0%
Sc	9326197	43	43	0.0%	9326209	47	47	0.0%	9326212	46	46	0.0%	9326221	47	46	2.2%
Si	9326197	23.9	23.9	0.0%	9326209	23.2	23.0	0.9%	9326212	23.1	22.8	1.3%	9326221	23.1	23.1	0.0%
Sm	9326197	2.6	2.5	3.9%	9326209	2.6	2.6	0.0%	9326212	2.43	2.71	10.9%	9326221	2.7	2.7	0.0%
Sn	9326197	< 1	< 1	0.0%	9326209	< 1	< 1	0.0%	9326212	< 1	1		9326221	< 1	1	
Sr	9326197	145	146	0.7%	9326209	139	138	0.7%	9326212	143	143	0.0%	9326221	130	125	3.9%
Ta	9326197	< 0.5	< 0.5	0.0%	9326209	< 0.5	< 0.5	0.0%	9326212	< 0.5	< 0.5	0.0%	9326221	< 0.5	< 0.5	0.0%
Tb	9326197	0.610	0.581	4.9%	9326209	0.613	0.691	12.0%	9326212	0.602	0.672	11.0%	9326221	0.61	0.66	7.9%
Th	9326197	0.45	0.42	6.9%	9326209	0.4	0.4	0.0%	9326212	0.43	0.47	8.9%	9326221	0.43	0.45	4.5%
Ti	9326197	0.64	0.64	0.0%	9326209	0.633	0.635	0.3%	9326212	0.640	0.634	0.9%	9326221	0.63	0.63	0.0%
Tl	9326197	< 0.5	< 0.5	0.0%	9326209	< 0.5	< 0.5	0.0%	9326212	< 0.5	< 0.5	0.0%	9326221	< 0.5	< 0.5	0.0%
Tm	9326197	0.37	0.35	5.6%	9326209	0.41	0.44	7.1%	9326212	0.37	0.42	12.7%	9326221	0.359	0.385	7.0%
U	9326197	0.099	0.090	9.5%	9326209	0.11	0.11	0.0%	9326212	0.09	0.11	20.0%	9326221	0.10	0.10	0.0%
V	9326197	293	295	0.7%	9326209	312	309	1.0%	9326212	307	307	0.0%	9326221	370	430	15.0%
W	9326197	2	2	0.0%	9326209	1	1	0.0%	9326212	< 1	1		9326221	1	1	0.0%
Y	9326197	22.3	20.6	7.9%	9326209	22.2	23.6	6.1%	9326212	22.2	23.0	3.5%	9326221	22.7	23.2	2.2%
Yb	9326197	2.5	2.4	4.1%	9326209	2.7	2.7	0.0%	9326212	2.4	2.6	8.0%	9326221	2.6	2.7	3.8%
Zn	9326197	62	64	3.2%	9326209	83	84	1.2%	9326212	115	104	10.0%	9326221	90	90	0.0%
Zr	9326197	63.3	59.5	6.2%	9326209	60.7	65.1	7.0%	9326212	61.1	65.0	6.2%	9326221	60.3	62.1	2.9%

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9326233	< 1	< 1	0.0%	9326237	< 1	< 1	0.0%	9326245	< 1	< 1	0.0%	9326257	< 1	< 1	0.0%
Al	9326233	0.10	0.09	10.5%	9326237	8.24	8.27	0.4%	9326245	8.26	8.31	0.6%	9326257	8.22	8.00	2.7%
As	9326233	< 5	< 5	0.0%	9326237	< 5	< 5	0.0%	9326245	< 5	< 5	0.0%	9326257	5	5	0.0%
B	9326233	< 20	< 20	0.0%	9326237	41	40	2.5%	9326245	23	22	4.4%	9326257	49	46	6.3%
Ba	9326233	12.5	12.2	2.4%	9326237	110	109	0.9%	9326245	132	133	0.8%	9326257	168	169	0.6%
Be	9326233	< 5	< 5	0.0%	9326237	< 5	< 5	0.0%	9326245	< 5	< 5	0.0%	9326257	< 5	< 5	0.0%
Bi	9326233	< 0.1	< 0.1	0.0%	9326237	< 0.1	< 0.1	0.0%	9326245	0.1	0.1	0.0%	9326257	0.1	0.1	0.0%
Ca	9326233	32.8	32.1	2.2%	9326237	7.95	7.97	0.3%	9326245	7.04	7.16	1.7%	9326257	6.49	6.37	1.9%
Cd	9326233	< 0.2	< 0.2	0.0%	9326237	< 0.2	< 0.2	0.0%	9326245	< 0.2	< 0.2	0.0%	9326257	< 0.2	< 0.2	0.0%
Ce	9326233	1.07	1.00	6.8%	9326237	9.7	10.2	5.0%	9326245	11.1	10.7	3.7%	9326257	10.5	11.7	10.8%
Co	9326233	1.3	1.2	8.0%	9326237	55.1	57.8	4.8%	9326245	55.6	53.0	4.8%	9326257	41.9	44.1	5.1%
Cr	9326233	< 0.005	< 0.005	0.0%	9326237	0.0277	0.0253	9.1%	9326245	0.022	0.022	0.0%	9326257	0.020	0.020	0.0%
Cs	9326233	< 0.1	< 0.1	0.0%	9326237	0.6	0.6	0.0%	9326245	0.6	0.6	0.0%	9326257	0.3	0.3	0.0%



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Cu	9326233	8	8	0.0%	9326237	80	76	5.1%	9326245	82	82	0.0%	9326257	40	41	2.5%
Dy	9326233	0.21	0.21	0.0%	9326237	3.98	4.17	4.7%	9326245	4.28	4.36	1.9%	9326257	3.48	3.65	4.8%
Er	9326233	0.17	0.12		9326237	2.47	2.66	7.4%	9326245	2.82	2.85	1.1%	9326257	2.25	2.43	7.7%
Eu	9326233	0.06	0.05	18.2%	9326237	0.88	0.92	4.4%	9326245	0.94	0.88	6.6%	9326257	0.98	1.07	8.8%
Fe	9326233	0.24	0.24	0.0%	9326237	9.11	8.89	2.4%	9326245	9.52	9.64	1.3%	9326257	7.86	7.65	2.7%
Ga	9326233	0.274	0.224	20.1%	9326237	16.6	17.3	4.1%	9326245	17.8	17.0	4.6%	9326257	17.3	18.2	5.1%
Gd	9326233	0.24	0.23	4.3%	9326237	3.35	3.53	5.2%	9326245	3.70	3.71	0.3%	9326257	3.10	3.36	8.0%
Ge	9326233	1	1	0.0%	9326237	2	2	0.0%	9326245	2	2	0.0%	9326257	2	2	0.0%
Hf	9326233	< 1	< 1	0.0%	9326237	2	2	0.0%	9326245	2	2	0.0%	9326257	2	2	0.0%
Ho	9326233	0.054	0.045	18.2%	9326237	0.83	0.89	7.0%	9326245	0.93	0.93	0.0%	9326257	0.752	0.816	8.2%
In	9326233	< 0.2	< 0.2	0.0%	9326237	< 0.2	< 0.2	0.0%	9326245	< 0.2	< 0.2	0.0%	9326257	< 0.2	< 0.2	0.0%
K	9326233	< 0.05	< 0.05	0.0%	9326237	0.55	0.55	0.0%	9326245	0.57	0.57	0.0%	9326257	0.718	0.695	3.3%
La	9326233	1.3	1.2	8.0%	9326237	3.7	3.8	2.7%	9326245	4.36	4.09	6.4%	9326257	4.13	4.38	5.9%
Li	9326233	< 10	< 10	0.0%	9326237	11	11	0.0%	9326245	26	24	8.0%	9326257	15	16	6.5%
Lu	9326233	< 0.05	< 0.05	0.0%	9326237	0.40	0.42	4.9%	9326245	0.47	0.44	6.6%	9326257	0.345	0.383	10.4%
Mg	9326233	2.68	2.77	3.3%	9326237	2.34	2.34	0.0%	9326245	2.78	2.76	0.7%	9326257	3.20	3.19	0.3%
Mn	9326233	89	99	10.6%	9326237	2340	2320	0.9%	9326245	2200	2210	0.5%	9326257	1650	1630	1.2%
Mo	9326233	4	4	0.0%	9326237	24	16		9326245	5	5	0.0%	9326257	5	6	18.2%
Nb	9326233	< 1	< 1	0.0%	9326237	3	3	0.0%	9326245	3	3	0.0%	9326257	3	3	0.0%
Nd	9326233	0.9	0.9	0.0%	9326237	7.64	7.86	2.8%	9326245	8.55	8.07	5.8%	9326257	7.77	7.86	1.2%
Ni	9326233	25	22	12.8%	9326237	252	196	25.0%	9326245	104	105	1.0%	9326257	100	97	3.0%
P	9326233	< 0.01	< 0.01	0.0%	9326237	0.03	0.03	0.0%	9326245	0.04	0.03	28.6%	9326257	0.029	0.036	21.5%
Pb	9326233	< 5	< 5	0.0%	9326237	7	7	0.0%	9326245	9	9	0.0%	9326257	48	53	9.9%
Pr	9326233	0.226	0.189	17.8%	9326237	1.44	1.55	7.4%	9326245	1.69	1.57	7.4%	9326257	1.56	1.64	5.0%
Rb	9326233	0.49	0.40	20.2%	9326237	24.6	26.4	7.1%	9326245	25.2	24.6	2.4%	9326257	28.2	30.3	7.2%
S	9326233	< 0.01	< 0.01	0.0%	9326237	0.116	0.110	5.3%	9326245	0.16	0.16	0.0%	9326257	0.160	0.167	4.3%
Sb	9326233	0.2	0.2	0.0%	9326237	0.2	0.2	0.0%	9326245	0.5	0.5	0.0%	9326257	0.62	0.71	13.5%
Sc	9326233	< 5	< 5	0.0%	9326237	44	44	0.0%	9326245	50	50	0.0%	9326257	41	41	0.0%
Si	9326233	4.02	4.02	0.0%	9326237	23.0	23.0	0.0%	9326245	22.5	22.7	0.9%	9326257	24.1	23.5	2.5%
Sm	9326233	0.2	0.2	0.0%	9326237	2.6	2.6	0.0%	9326245	2.76	2.67	3.3%	9326257	2.48	2.55	2.8%
Sn	9326233	< 1	< 1	0.0%	9326237	< 1	1		9326245	1	1	0.0%	9326257	1	1	0.0%
Sr	9326233	53.5	54.5	1.9%	9326237	126	127	0.8%	9326245	143	143	0.0%	9326257	162	159	1.9%
Ta	9326233	< 0.5	< 0.5	0.0%	9326237	< 0.5	< 0.5	0.0%	9326245	< 0.5	< 0.5	0.0%	9326257	< 0.5	< 0.5	0.0%
Tb	9326233	< 0.05	< 0.05	0.0%	9326237	0.58	0.63	8.3%	9326245	0.676	0.644	4.8%	9326257	0.543	0.575	5.7%



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Th	9326233	0.1	< 0.1		9326237	0.4	0.4	0.0%	9326245	0.4	0.4	0.0%	9326257	0.50	0.56	11.3%
Ti	9326233	< 0.01	< 0.01	0.0%	9326237	0.62	0.62	0.0%	9326245	0.63	0.63	0.0%	9326257	0.590	0.574	2.7%
Tl	9326233	< 0.5	< 0.5	0.0%	9326237	< 0.5	< 0.5	0.0%	9326245	< 0.5	< 0.5	0.0%	9326257	< 0.5	< 0.5	0.0%
Tm	9326233	< 0.05	< 0.05	0.0%	9326237	0.37	0.39	5.3%	9326245	0.424	0.427	0.7%	9326257	0.326	0.345	5.7%
U	9326233	0.27	0.19		9326237	0.101	0.111	9.4%	9326245	0.113	0.103	9.3%	9326257	0.133	0.135	1.5%
V	9326233	7	7	0.0%	9326237	329	312	5.3%	9326245	331	333	0.6%	9326257	286	284	0.7%
W	9326233	< 1	< 1	0.0%	9326237	2	2	0.0%	9326245	2	3		9326257	1	2	
Y	9326233	2.2	2.1	4.7%	9326237	21.9	23.8	8.3%	9326245	24.8	24.3	2.0%	9326257	19.8	21.7	9.2%
Yb	9326233	0.1	0.1	0.0%	9326237	2.5	2.6	3.9%	9326245	3.0	3.0	0.0%	9326257	2.20	2.46	11.2%
Zn	9326233	< 5	< 5	0.0%	9326237	97	92	5.3%	9326245	76	75	1.3%	9326257	70	66	5.9%
Zr	9326233	1.8	1.7	5.7%	9326237	60.2	63.3	5.0%	9326245	63.9	61.7	3.5%	9326257	56.0	60.9	8.4%



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SY-4)				CRM #3 (ref.SU-1b)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	6.39	6.15	96%	90% - 110%												
Al					10.95	11.23	103%	90% - 110%	4.30	4.29	100%	90% - 110%				
Ba					340	334	98%	90% - 110%								
Be													2.6	3.3	125%	90% - 110%
Ca					5.72	5.69	100%	90% - 110%	2.21	2.2	100%	90% - 110%				
Ce													122	122	100%	90% - 110%
Co	672	666	99%	90% - 110%									2.8	2.8	100%	90% - 110%
Cr									0.032	0.034	105%	90% - 110%				
Cs													1.5	1.7	116%	90% - 110%
Cu					7	9	124%	90% - 110%	11850	11364	96%	90% - 110%				
Dy													18.2	18.4	101%	90% - 110%
Er													14.2	14.6	103%	90% - 110%
Eu													2.0	2	101%	90% - 110%
Fe					4.34	4.49	104%	90% - 110%	25.54	24.81	97%	90% - 110%				
Ga													35	35	100%	90% - 110%
Gd													14	15	107%	90% - 110%
Hf													10.6	10.3	98%	90% - 110%
Ho													4.3	4.4	101%	90% - 110%
K					1.37	1.44	105%	90% - 110%								
La													58	56	97%	90% - 110%
Li					37	38.8	105%	90% - 110%								
Lu													2.1	2.1	99%	90% - 110%
Mg					0.325	0.325	100%	90% - 110%	1.79	1.78	100%	90% - 110%				
Mn					836	811	97%	90% - 110%	703	680	97%	90% - 110%				
Nb													13	14	104%	90% - 110%
Nd													57	58	101%	90% - 110%
Ni					9	9	101%	90% - 110%	19530	18457	95%	90% - 110%				
Pb	58	59	102%	90% - 110%									10	9	91%	90% - 110%
Pr													15.0	14.6	97%	90% - 110%
Rb													55	55	100%	90% - 110%
S									14.14	13.1	93%	90% - 110%				



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Si					23.3	23.2	100%	90% - 110%	15.23	14.57	96%	90% - 110%				
Sm													12.7	12.8	101%	90% - 110%
Sn													7.1	7.1	100%	90% - 110%
Sr					1191	1223	103%	90% - 110%								
Ta													0.9	0.8	86%	90% - 110%
Tb													2.6	2.8	107%	90% - 110%
Th													1.4	1.2	87%	90% - 110%
Ti					0.172	0.17	99%	90% - 110%								
Tm													2.3	2.2	97%	90% - 110%
U													0.8	0.9	115%	90% - 110%
V					8	6	74%	90% - 110%					8	6	76%	90% - 110%
Y													119	119	100%	90% - 110%
Yb													14.8	14.7	99%	90% - 110%
Zn					93	91.1	98%	90% - 110%	235	240	102%	90% - 110%				
Zr													517	562	109%	90% - 110%
	CRM #5 (ref.SU-1b)				CRM #6 (ref.SY-4)				CRM #7 (ref.SU-1b)				CRM #8 (ref.SY-4)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	6.39	6.63	104%	90% - 110%												
Al					10.95	10.93	100%	90% - 110%	4.30	4.25	99%	90% - 110%				
Ba					340	325	96%	90% - 110%								
Be													2.6	3.1	118%	90% - 110%
Ca					5.72	5.66	99%	90% - 110%	2.21	2.19	99%	90% - 110%				
Ce													122	126	103%	90% - 110%
Co	672	671	100%	90% - 110%									2.8	2.7	95%	90% - 110%
Cr									0.032	0.032	101%	90% - 110%				
Cs													1.5	1.7	113%	90% - 110%
Cu									11850	11323	96%	90% - 110%				
Dy													18.2	18.6	102%	90% - 110%
Er													14.2	14.7	103%	90% - 110%
Eu													2.0	2	100%	90% - 110%
Fe					4.34	4.35	100%	90% - 110%	25.54	24.48	96%	90% - 110%				
Ga													35	35	99%	90% - 110%
Gd													14	15.3	109%	90% - 110%
Hf													10.6	11	104%	90% - 110%



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Ho													4.3	4.3	99%	90% - 110%
K					1.37	1.37	100%	90% - 110%								
La													58	59	101%	90% - 110%
Li					37	36.7	99%	90% - 110%								
Lu													2.1	2.1	101%	90% - 110%
Mg					0.325	0.322	99%	90% - 110%	1.79	1.77	99%	90% - 110%				
Mn					836	801	96%	90% - 110%	703	674	96%	90% - 110%				
Nb													13	13	102%	90% - 110%
Nd													57	59	103%	90% - 110%
Ni					9	10	111%	90% - 110%	19530	18619	95%	90% - 110%				
Pb	58	62	107%	90% - 110%									10	11	108%	90% - 110%
Pr													15.0	15.3	102%	90% - 110%
Rb													55	56	101%	90% - 110%
S									14.14	13.03	92%	90% - 110%				
Si					23.3	22.4	96%	90% - 110%	15.23	14.65	96%	90% - 110%				
Sm													12.7	13.2	104%	90% - 110%
Sn													7.1	7.8	109%	90% - 110%
Sr					1191	1186	100%	90% - 110%								
Ta													0.9	0.8	86%	90% - 110%
Tb													2.6	2.8	108%	90% - 110%
Th													1.4	1.3	95%	90% - 110%
Ti					0.172	0.164	95%	90% - 110%								
Tm													2.3	2.2	95%	90% - 110%
U													0.8	0.8	105%	90% - 110%
V					8	7	82%	90% - 110%					8	6	76%	90% - 110%
Y													119	120	101%	90% - 110%
Yb													14.8	15.1	102%	90% - 110%
Zn					93	89.8	97%	90% - 110%	235	246	105%	90% - 110%				
Zr													517	560	108%	90% - 110%
	CRM #9 (ref.SU-1b)				CRM #10 (ref.SY-4)				CRM #11 (ref.SU-1b)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Ag	6.39	6.21	97%	90% - 110%												
Al					10.95	11.04	101%	90% - 110%	4.30	4.17	97%	90% - 110%				
Ba					340	325	96%	90% - 110%								



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Ca					5.72	5.6	98%	90% - 110%	2.21	2.17	98%	90% - 110%				
Co	672	628	93%	90% - 110%												
Cr									0.032	0.032	101%	90% - 110%				
Cu					7	5	78%	90% - 110%	11850	11090	94%	90% - 110%				
Fe					4.34	4.43	102%	90% - 110%	25.54	24.66	97%	90% - 110%				
K					1.37	1.39	101%	90% - 110%								
Li					37	36.2	98%	90% - 110%								
Mg					0.325	0.319	98%	90% - 110%	1.79	1.76	98%	90% - 110%				
Mn					836	800	96%	90% - 110%	703	657	93%	90% - 110%				
Ni					9	7	83%	90% - 110%	19530	18220	93%	90% - 110%				
Pb	58	61	105%	90% - 110%												
S									14.14	12.74	90%	90% - 110%				
Si					23.3	22.9	98%	90% - 110%	15.23	14.48	95%	90% - 110%				
Sr					1191	1189	100%	90% - 110%								
Ti					0.172	0.166	96%	90% - 110%								
V					8	6	71%	90% - 110%								
Zn					93	92.0	99%	90% - 110%	235	257	109%	90% - 110%				



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-128A
 SAMPLING SITE:

AGAT WORK ORDER: 18T350344
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T350344

PROJECT: DDH-128A

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-128B

AGAT WORK ORDER: 18T350771

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Aug 11, 2018

PAGES (INCLUDING COVER): 38

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 11, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563697 (9331005)		0.84
E6563698 (9331006)		0.89
E6563699 (9331007)		3.01
E6563700 (9331008)		3.28
E6563701 (9331009)		2.76
E6563702 (9331010)		2.42
E6563703 (9331011)		2.62
E6563704 (9331012)		2.61
E6563705 (9331013)		2.88
E6563706 (9331014)		0.10
E6563707 (9331015)		2.46
E6563708 (9331016)		2.76
E6563709 (9331017)		1.61
E6563710 (9331018)		1.12
E6563711 (9331019)		2.65
E6563712 (9331020)		1.75
E6563713 (9331021)		3.02
E6563714 (9331022)		2.60
E6563715 (9331023)		2.62
E6563716 (9331024)		2.82
E6563717 (9331025)		1.26
E6563718 (9331026)		1.33
E6563719 (9331027)		2.65
E6563720 (9331028)		1.27
E6563721 (9331029)		1.76
E6563722 (9331030)		2.29
E6563723 (9331031)		2.16
E6563724 (9331032)		2.93
E6563725 (9331033)		2.39
E6563726 (9331034)		0.10
E6563727 (9331035)		2.61

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 11, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563728 (9331036)		2.57
E6563729 (9331037)		2.56
E6563730 (9331038)		2.47
E6563731 (9331039)		2.14
E6563732 (9331040)		2.01
E6563733 (9331041)		2.46
E6563734 (9331042)		2.60
E6563735 (9331043)		3.52
E6563736 (9331044)		2.61
E6563737 (9331045)		1.28
E6563738 (9331046)		1.28
E6563739 (9331047)		2.24
E6563740 (9331048)		2.62
E6563741 (9331049)		2.49
E6563742 (9331050)		2.61
E6563743 (9331051)		2.47
E6563744 (9331052)		1.66
E6563745 (9331053)		0.85
E6563746 (9331054)		0.10
E6563747 (9331055)		1.19
E6563748 (9331056)		1.52
E6563749 (9331057)		2.38
E6563750 (9331059)		2.72
E6563751 (9331060)		2.59
E6563752 (9331061)		2.64
E6563753 (9331062)		2.70
E6563754 (9331063)		2.63
E6563755 (9331064)		2.62
E6563756 (9331065)		2.22
E6563757 (9331066)		2.56
E6563758 (9331067)		2.50

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 11, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563759 (9331068)		1.20
E6563760 (9331069)		2.48
E6563761 (9331070)		2.08
E6563762 (9331071)		1.83
E6563763 (9331072)		2.65
E6563764 (9331073)		2.30
E6563765 (9331074)		2.65
E6563766 (9331075)		0.10
E6563767 (9331076)		2.49
E6563768 (9331077)		2.54
E6563769 (9331078)		2.51
E6563770 (9331079)		2.63
E6563771 (9331080)		2.61
E6563772 (9331081)		0.78
E6563773 (9331082)		2.61
E6563774 (9331083)		2.75
E6563775 (9331084)		2.32
E6563776 (9331085)		2.30
E6563777 (9331086)		2.23
E6563778 (9331087)		0.99
E6563779 (9331088)		2.30
E6563780 (9331089)		2.88
E6563781 (9331090)		2.53
E6563782 (9331091)		2.33
E6563783 (9331092)		0.96
E6563784 (9331093)		0.87
E6563785 (9331094)		1.52
E6563786 (9331095)		0.10
E6563787 (9331096)		1.52
E6563788 (9331097)		3.19
E6563789 (9331098)		2.52

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Aug 11, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6563790 (9331099)		2.16
E6563791 (9331100)		2.84
E6563792 (9331101)		1.98

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6563697 (9331005)		<1	8.11	7	20	191	<5	<0.1	7.11	<0.2	9.9	48.6	0.020	0.6	47
E6563698 (9331006)		<1	8.12	<5	21	198	<5	<0.1	7.34	<0.2	9.4	46.5	0.021	0.6	50
E6563699 (9331007)		<1	8.32	5	24	138	<5	0.2	8.56	1.1	9.6	33.6	0.022	0.5	71
E6563700 (9331008)		<1	8.42	9	<20	396	<5	0.1	7.10	<0.2	9.4	37.6	0.021	0.5	18
E6563701 (9331009)		<1	8.05	50	<20	79.0	<5	0.8	4.11	<0.2	9.9	97.3	0.020	0.2	371
E6563702 (9331010)		4	9.24	148	<20	167	<5	0.9	3.76	0.3	10.7	43.2	0.022	1.4	57
E6563703 (9331011)		<1	8.86	21	<20	183	<5	0.2	4.38	<0.2	10.3	33.6	0.022	1.2	72
E6563704 (9331012)		<1	8.33	6	<20	154	<5	0.2	6.58	0.3	11.3	52.1	0.022	0.7	46
E6563705 (9331013)		<1	7.89	<5	23	222	<5	0.2	7.12	<0.2	10.0	57.0	0.022	0.4	84
E6563706 (9331014)		<1	4.62	558	107	171	<5	8.4	4.06	<0.2	70.0	1030	0.006	2.8	2990
E6563707 (9331015)		<1	7.72	<5	29	145	<5	0.2	8.74	<0.2	10.9	62.0	0.022	0.3	143
E6563708 (9331016)		<1	8.15	<5	25	192	<5	0.1	8.72	<0.2	11.6	59.4	0.022	0.4	166
E6563709 (9331017)		<1	8.85	<5	<20	153	<5	0.1	5.51	<0.2	10.6	63.3	0.022	0.9	168
E6563710 (9331018)		<1	8.67	<5	36	121	<5	0.1	5.07	<0.2	13.8	66.0	0.020	0.4	864
E6563711 (9331019)		<1	8.89	<5	20	95.3	<5	<0.1	7.10	<0.2	10.4	60.6	0.023	0.5	106
E6563712 (9331020)		<1	0.12	<5	<20	15.9	<5	<0.1	32.0	<0.2	1.2	1.4	<0.005	<0.1	7
E6563713 (9331021)		<1	8.20	<5	20	140	<5	<0.1	6.41	<0.2	8.9	58.6	0.023	0.9	151
E6563714 (9331022)		<1	8.72	<5	20	185	<5	0.1	5.86	<0.2	11.2	55.7	0.023	2.4	109
E6563715 (9331023)		<1	9.04	<5	<20	192	<5	<0.1	6.01	<0.2	10.5	38.9	0.022	1.9	85
E6563716 (9331024)		<1	8.62	<5	<20	120	<5	<0.1	7.70	<0.2	10.5	50.2	0.024	0.9	101
E6563717 (9331025)		<1	7.98	<5	<20	103	<5	0.2	8.12	<0.2	10.2	68.7	0.022	0.4	171
E6563718 (9331026)		<1	8.33	<5	20	108	<5	0.2	8.35	<0.2	10.0	67.7	0.023	0.4	174
E6563719 (9331027)		<1	8.39	<5	<20	123	<5	<0.1	7.26	<0.2	9.8	57.6	0.022	0.8	108
E6563720 (9331028)		<1	8.34	<5	<20	181	<5	0.1	8.17	<0.2	10.0	63.1	0.022	0.6	140
E6563721 (9331029)		<1	7.92	<5	<20	188	<5	0.2	8.94	<0.2	10.2	66.5	0.022	1.2	141
E6563722 (9331030)		<1	6.48	<5	<20	364	<5	0.1	6.22	<0.2	77.4	45.7	0.029	1.1	78
E6563723 (9331031)		<1	8.25	<5	<20	241	<5	0.2	7.77	<0.2	10.1	64.8	0.023	2.6	152
E6563724 (9331032)		<1	7.83	<5	28	144	<5	0.2	8.78	<0.2	9.5	91.1	0.021	0.7	131
E6563725 (9331033)		<1	8.73	<5	30	198	<5	<0.1	6.56	<0.2	10.9	46.1	0.021	0.4	48
E6563726 (9331034)		<1	4.64	577	109	175	<5	8.5	4.04	<0.2	73.1	1040	0.006	2.8	3020
E6563727 (9331035)		<1	8.36	<5	22	128	<5	0.1	7.34	<0.2	10.9	57.4	0.023	0.6	75
E6563728 (9331036)		<1	8.45	<5	<20	161	<5	0.1	7.07	<0.2	10.4	66.4	0.022	1.0	87

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6563729 (9331037)	<1	8.55	<5	25	145	<5	<0.1	6.36	<0.2	9.8	59.0	0.022	0.8	82
E6563730 (9331038)	<1	8.32	<5	24	195	<5	<0.1	7.12	<0.2	10.3	61.3	0.021	0.4	101
E6563731 (9331039)	<1	8.68	<5	20	175	<5	<0.1	7.30	<0.2	10.1	60.5	0.022	0.5	103
E6563732 (9331040)	<1	0.15	<5	<20	14.9	<5	<0.1	31.7	<0.2	1.2	1.8	<0.005	<0.1	5
E6563733 (9331041)	<1	7.87	8	28	252	<5	0.2	6.21	<0.2	12.9	57.0	0.021	0.7	110
E6563734 (9331042)	<1	7.54	<5	<20	192	<5	0.1	6.20	<0.2	40.8	56.2	0.024	0.6	71
E6563735 (9331043)	<1	8.47	5	23	190	<5	<0.1	7.46	<0.2	10.7	56.7	0.024	0.5	96
E6563736 (9331044)	<1	7.95	<5	<20	136	<5	0.2	8.03	<0.2	18.8	64.3	0.020	0.5	151
E6563737 (9331045)	<1	7.54	<5	<20	79.9	<5	0.2	6.39	<0.2	9.2	65.4	0.020	1.9	154
E6563738 (9331046)	<1	7.80	<5	<20	80.3	<5	0.2	6.56	<0.2	9.2	64.4	0.020	1.9	155
E6563739 (9331047)	<1	8.33	<5	22	114	<5	0.2	7.64	<0.2	10.2	64.4	0.024	1.8	133
E6563740 (9331048)	<1	9.05	6	21	128	<5	0.2	6.36	<0.2	10.6	56.0	0.023	0.7	100
E6563741 (9331049)	<1	9.06	<5	20	263	<5	0.1	5.32	<0.2	10.5	43.9	0.022	0.9	67
E6563742 (9331050)	<1	9.46	<5	<20	419	<5	0.1	4.38	<0.2	11.7	50.9	0.022	3.3	124
E6563743 (9331051)	1	8.69	60	24	655	<5	0.3	4.96	0.5	15.6	170	0.021	1.0	83
E6563744 (9331052)	<1	6.12	9	<20	87.4	<5	0.2	4.72	<0.2	62.2	38.1	0.036	0.4	14
E6563745 (9331053)	<1	5.29	14	24	63.5	<5	<0.1	4.01	<0.2	36.1	41.1	0.037	0.4	15
E6563746 (9331054)	<1	4.66	588	110	176	<5	8.2	4.08	<0.2	73.1	1020	0.007	2.8	3150
E6563747 (9331055)	<1	5.95	8	<20	123	<5	0.2	5.10	<0.2	47.3	38.2	0.040	0.4	22
E6563748 (9331056)	<1	8.70	14	<20	301	<5	0.6	5.08	3.1	31.0	53.0	0.020	0.3	401
E6563749 (9331057)	<1	8.38	<5	26	296	<5	<0.1	7.38	<0.2	11.0	56.8	0.022	0.5	87
E6563750 (9331059)	<1	9.12	6	31	715	<5	<0.1	4.74	<0.2	10.5	46.7	0.022	1.0	63
E6563751 (9331060)	<1	8.84	<5	26	366	<5	0.1	6.77	<0.2	11.2	55.0	0.022	0.7	73
E6563752 (9331061)	<1	9.00	13	20	409	<5	0.3	4.55	<0.2	10.8	37.1	0.021	1.1	69
E6563753 (9331062)	<1	8.69	7	36	304	<5	0.3	7.16	0.3	11.7	51.5	0.021	1.0	195
E6563754 (9331063)	<1	8.43	<5	41	269	<5	0.3	6.75	<0.2	10.4	49.0	0.021	0.9	109
E6563755 (9331064)	<1	8.67	<5	31	342	<5	0.1	6.74	<0.2	10.6	49.7	0.021	0.7	74
E6563756 (9331065)	<1	8.62	20	25	312	<5	0.2	6.58	<0.2	11.5	52.5	0.022	1.2	100
E6563757 (9331066)	<1	8.54	12	25	387	<5	0.2	6.24	<0.2	10.6	48.7	0.022	0.8	109
E6563758 (9331067)	<1	8.57	6	<20	351	<5	0.8	6.23	<0.2	14.8	62.7	0.022	0.4	419
E6563759 (9331068)	<1	9.14	6	<20	296	<5	0.8	4.66	0.3	31.3	50.2	0.023	0.5	150
E6563760 (9331069)	<1	7.17	<5	<20	27.1	<5	0.2	4.92	<0.2	209	53.4	0.054	0.5	68

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563761 (9331070)	<1	6.96	6	<20	24.7	<5	0.2	4.04	<0.2	245	45.2	0.029	0.5	37	
E6563762 (9331071)	<1	8.10	7	<20	125	<5	0.4	3.37	<0.2	49.4	61.4	0.021	0.4	160	
E6563763 (9331072)	1	8.66	<5	25	317	<5	0.4	7.45	<0.2	13.8	63.9	0.022	0.8	127	
E6563764 (9331073)	<1	8.54	<5	<20	204	<5	0.2	7.09	<0.2	12.9	48.5	0.022	0.8	74	
E6563765 (9331074)	<1	8.58	<5	20	225	<5	0.2	6.28	<0.2	10.9	47.7	0.021	0.6	70	
E6563766 (9331075)	<1	4.84	597	110	177	<5	8.4	4.20	<0.2	74.6	1060	0.006	3.0	3210	
E6563767 (9331076)	<1	9.07	<5	25	273	<5	0.2	4.64	<0.2	10.9	37.5	0.021	0.6	64	
E6563768 (9331077)	<1	8.33	<5	<20	195	<5	0.2	7.13	<0.2	11.1	70.6	0.021	1.6	290	
E6563769 (9331078)	<1	8.08	<5	<20	213	<5	0.2	6.71	<0.2	10.4	88.2	0.021	3.0	202	
E6563770 (9331079)	<1	8.53	<5	21	150	<5	0.1	7.31	<0.2	10.1	49.2	0.022	0.6	79	
E6563771 (9331080)	<1	9.01	<5	<20	228	<5	<0.1	6.13	<0.2	10.7	36.3	0.022	2.7	38	
E6563772 (9331081)	<1	0.09	<5	<20	17.5	<5	<0.1	30.4	<0.2	1.4	1.2	<0.005	<0.1	7	
E6563773 (9331082)	<1	8.29	<5	<20	268	<5	0.2	6.78	<0.2	9.7	56.7	0.020	1.4	160	
E6563774 (9331083)	<1	8.81	<5	21	258	<5	0.2	5.72	<0.2	10.2	50.7	0.021	3.7	108	
E6563775 (9331084)	<1	8.17	<5	<20	240	<5	0.3	6.05	<0.2	9.7	68.0	0.019	3.2	345	
E6563776 (9331085)	<1	9.29	<5	25	313	<5	0.1	6.40	<0.2	10.7	48.4	0.022	1.7	137	
E6563777 (9331086)	<1	8.79	<5	<20	171	<5	<0.1	7.40	<0.2	10.9	42.7	0.022	1.2	65	
E6563778 (9331087)	<1	9.07	<5	<20	174	<5	<0.1	7.38	<0.2	17.9	43.6	0.022	1.1	64	
E6563779 (9331088)	<1	7.41	<5	<20	246	<5	0.7	6.94	<0.2	9.7	72.5	0.018	2.2	425	
E6563780 (9331089)	<1	7.24	<5	<20	309	<5	0.4	5.38	<0.2	10.1	74.0	0.018	4.9	510	
E6563781 (9331090)	<1	7.13	<5	<20	280	<5	0.4	5.82	<0.2	9.2	82.0	0.018	2.3	512	
E6563782 (9331091)	1	8.46	<5	<20	326	<5	0.2	5.89	<0.2	10.6	57.3	0.020	3.0	314	
E6563783 (9331092)	<1	9.26	9	<20	479	<5	0.2	4.78	<0.2	12.7	57.6	0.023	1.3	123	
E6563784 (9331093)	<1	5.13	49	<20	128	<5	0.1	6.00	<0.2	11.7	42.0	0.119	2.2	32	
E6563785 (9331094)	<1	4.87	271	<20	115	<5	2.3	5.96	16.5	7.2	73.5	0.125	2.2	131	
E6563786 (9331095)	<1	4.78	580	109	172	<5	8.2	4.12	<0.2	71.7	1010	0.006	2.9	3130	
E6563787 (9331096)	<1	5.10	59	23	123	<5	0.2	5.58	1.6	14.1	48.3	0.114	2.2	87	
E6563788 (9331097)	<1	7.29	9	22	255	<5	0.4	7.48	<0.2	10.6	71.3	0.020	1.3	445	
E6563789 (9331098)	<1	7.92	<5	<20	303	<5	0.2	6.42	<0.2	9.1	76.4	0.020	3.0	443	
E6563790 (9331099)	<1	8.01	<5	23	199	<5	0.2	7.41	<0.2	9.3	69.2	0.019	1.9	306	
E6563791 (9331100)	<1	8.09	<5	<20	203	<5	0.2	7.83	<0.2	10.1	61.0	0.020	0.6	96	
E6563792 (9331101)	<1	0.15	<5	<20	17.8	<5	<0.1	31.6	<0.2	1.2	2.0	<0.005	<0.1	8	

Certified By:



AGAT Laboratories

Certificate of Analysis

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PROJECT: DDH-128B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563697 (9331005)	3.78	2.71	1.01	7.71	19.2	3.34	2	2	0.86	<0.2	0.95	3.8	18	0.39	
E6563698 (9331006)	3.67	2.61	1.01	7.86	18.2	3.30	2	2	0.81	<0.2	0.97	3.6	19	0.39	
E6563699 (9331007)	3.64	2.52	0.85	7.08	19.1	3.13	2	2	0.79	<0.2	0.74	3.8	<10	0.37	
E6563700 (9331008)	3.73	2.44	0.92	7.71	19.2	3.19	2	2	0.81	<0.2	1.47	3.6	13	0.40	
E6563701 (9331009)	3.80	2.46	1.07	9.14	17.1	3.33	1	2	0.84	0.2	0.31	3.2	23	0.38	
E6563702 (9331010)	3.93	2.58	1.04	6.46	19.8	3.56	1	2	0.85	<0.2	0.75	4.1	21	0.37	
E6563703 (9331011)	3.81	2.50	0.96	6.30	20.0	3.39	1	2	0.83	<0.2	0.82	3.9	18	0.37	
E6563704 (9331012)	4.56	3.16	1.11	8.16	20.3	4.05	2	2	1.02	<0.2	0.62	4.4	15	0.53	
E6563705 (9331013)	3.84	2.56	0.89	8.40	18.9	3.23	2	2	0.82	<0.2	0.76	4.0	11	0.43	
E6563706 (9331014)	3.06	1.99	0.97	3.35	11.9	4.36	2	5	0.63	0.2	3.22	35.4	<10	0.30	
E6563707 (9331015)	4.01	2.77	0.96	8.71	18.4	3.66	2	2	0.89	<0.2	0.49	4.3	<10	0.43	
E6563708 (9331016)	4.20	2.79	1.14	9.16	19.3	3.98	2	2	0.91	<0.2	0.52	4.6	12	0.42	
E6563709 (9331017)	3.71	2.56	0.84	8.32	18.5	3.15	1	2	0.82	<0.2	0.50	4.2	14	0.42	
E6563710 (9331018)	3.67	2.38	0.98	7.90	17.7	3.27	2	2	0.80	<0.2	0.58	5.8	47	0.38	
E6563711 (9331019)	3.95	2.54	1.01	7.67	19.5	3.53	2	2	0.82	<0.2	0.50	4.1	11	0.38	
E6563712 (9331020)	0.24	0.18	<0.05	0.18	0.33	0.28	<1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	
E6563713 (9331021)	3.34	2.27	0.88	8.14	17.0	3.02	2	2	0.73	<0.2	0.52	3.5	12	0.34	
E6563714 (9331022)	3.88	2.61	1.05	7.47	19.9	3.56	1	2	0.82	<0.2	0.63	4.5	19	0.40	
E6563715 (9331023)	4.13	2.74	0.98	7.41	19.6	3.82	2	2	0.91	<0.2	0.62	3.9	16	0.39	
E6563716 (9331024)	4.18	2.74	0.98	8.39	19.1	3.62	1	2	0.94	<0.2	0.46	4.0	11	0.42	
E6563717 (9331025)	4.24	2.92	0.94	10.5	18.6	3.73	2	2	0.93	<0.2	0.42	4.0	<10	0.45	
E6563718 (9331026)	4.21	2.91	0.94	10.8	18.6	3.69	2	2	0.93	<0.2	0.44	3.9	11	0.45	
E6563719 (9331027)	4.11	2.68	1.13	8.45	18.7	3.66	2	2	1.00	<0.2	0.51	3.8	13	0.49	
E6563720 (9331028)	4.18	2.71	0.94	9.58	18.6	3.59	2	2	0.91	<0.2	0.69	3.8	<10	0.42	
E6563721 (9331029)	4.25	3.16	1.00	11.3	17.7	3.67	2	2	1.00	<0.2	0.61	3.9	11	0.45	
E6563722 (9331030)	4.79	2.30	2.44	7.65	18.6	8.33	1	5	0.86	<0.2	0.66	33.7	30	0.27	
E6563723 (9331031)	4.09	2.81	0.92	10.0	18.4	3.52	2	2	0.91	<0.2	0.86	4.0	16	0.43	
E6563724 (9331032)	3.98	2.77	0.89	10.6	18.2	3.49	2	2	0.92	<0.2	0.55	3.7	<10	0.44	
E6563725 (9331033)	3.99	2.71	1.15	7.31	18.9	3.59	1	2	0.86	<0.2	0.74	4.3	14	0.38	
E6563726 (9331034)	3.32	2.06	0.99	3.36	12.3	4.69	2	5	0.67	0.3	3.19	36.5	<10	0.29	
E6563727 (9331035)	4.35	2.93	1.01	7.84	19.3	3.78	2	2	0.94	<0.2	0.62	4.2	10	0.43	
E6563728 (9331036)	3.94	2.73	0.93	8.44	19.2	3.64	2	2	0.90	<0.2	0.59	4.0	10	0.38	

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563729 (9331037)	3.88	2.59	0.93	7.73	19.1	3.37	1	2	0.84	<0.2	0.64	3.8	13	0.38	
E6563730 (9331038)	3.89	2.52	0.88	8.79	17.6	3.37	2	2	0.85	<0.2	0.77	3.9	13	0.39	
E6563731 (9331039)	3.98	2.60	1.03	8.18	19.2	3.39	2	2	0.91	<0.2	0.72	4.0	13	0.41	
E6563732 (9331040)	0.27	0.21	<0.05	0.21	0.41	0.32	1	<1	0.07	<0.2	<0.05	1.4	<10	<0.05	
E6563733 (9331041)	3.93	2.55	0.95	7.92	17.5	3.49	2	2	0.83	<0.2	1.03	4.5	13	0.39	
E6563734 (9331042)	4.56	2.55	1.53	7.67	17.4	5.73	1	2	0.91	<0.2	0.62	17.0	20	0.38	
E6563735 (9331043)	4.14	2.64	0.98	8.76	17.7	3.49	2	2	0.89	<0.2	0.65	4.4	11	0.42	
E6563736 (9331044)	4.21	2.83	1.13	10.9	20.4	3.53	2	2	0.93	<0.2	0.47	4.2	<10	0.45	
E6563737 (9331045)	3.36	2.23	0.90	9.96	20.1	2.88	2	2	0.74	<0.2	0.36	3.8	17	0.34	
E6563738 (9331046)	3.22	2.04	0.91	10.3	19.8	2.85	2	2	0.71	<0.2	0.37	3.7	16	0.33	
E6563739 (9331047)	4.11	2.59	0.93	10.4	19.6	3.51	2	2	0.92	<0.2	0.53	4.0	15	0.43	
E6563740 (9331048)	4.09	2.52	1.07	7.83	20.8	3.49	2	2	0.85	<0.2	0.55	4.3	16	0.39	
E6563741 (9331049)	3.85	2.41	0.98	6.37	19.8	3.51	1	2	0.81	<0.2	0.92	4.1	23	0.39	
E6563742 (9331050)	4.10	2.61	1.51	6.31	21.1	3.74	1	2	0.86	<0.2	1.23	4.6	43	0.36	
E6563743 (9331051)	4.22	2.67	1.38	8.98	19.0	3.83	1	2	0.92	<0.2	1.41	7.1	28	0.37	
E6563744 (9331052)	4.50	2.07	2.29	7.90	15.8	7.60	1	4	0.78	<0.2	0.36	25.2	26	0.24	
E6563745 (9331053)	3.64	1.79	1.58	10.2	16.7	5.97	2	4	0.67	<0.2	0.68	13.4	92	0.22	
E6563746 (9331054)	3.17	1.89	0.99	3.34	11.8	4.72	2	5	0.66	0.3	3.27	36.3	<10	0.29	
E6563747 (9331055)	4.46	2.02	2.30	8.05	15.0	7.59	1	4	0.81	<0.2	0.49	16.5	38	0.26	
E6563748 (9331056)	4.18	2.63	2.05	6.78	18.3	4.40	1	2	0.87	<0.2	0.62	14.7	25	0.38	
E6563749 (9331057)	4.26	2.62	1.04	8.36	19.3	3.64	2	2	0.90	<0.2	1.12	4.6	16	0.38	
E6563750 (9331059)	3.85	2.44	1.27	7.28	18.5	3.40	1	2	0.87	<0.2	1.76	4.3	31	0.38	
E6563751 (9331060)	3.96	2.40	0.96	7.96	19.5	3.59	2	2	0.85	<0.2	1.03	4.5	18	0.37	
E6563752 (9331061)	3.83	2.43	0.97	6.77	19.0	3.50	1	2	0.83	<0.2	1.42	4.3	28	0.35	
E6563753 (9331062)	4.69	2.99	1.10	10.1	18.4	4.03	1	2	1.02	<0.2	1.03	4.8	22	0.46	
E6563754 (9331063)	4.39	2.81	0.94	9.25	18.8	3.97	2	2	1.01	<0.2	0.92	4.2	21	0.43	
E6563755 (9331064)	4.12	2.76	1.01	7.95	18.5	3.70	1	2	0.89	<0.2	1.15	4.3	18	0.38	
E6563756 (9331065)	4.21	2.82	0.94	8.75	18.5	3.68	1	2	0.92	<0.2	1.11	4.8	25	0.40	
E6563757 (9331066)	4.38	2.83	1.00	7.92	18.7	3.78	1	2	0.94	<0.2	1.15	4.2	22	0.41	
E6563758 (9331067)	4.29	2.69	1.32	8.73	19.9	3.96	2	2	0.94	<0.2	0.84	6.9	19	0.40	
E6563759 (9331068)	4.90	2.62	1.88	7.32	18.6	5.75	1	2	1.02	<0.2	0.54	13.4	26	0.37	
E6563760 (9331069)	4.04	1.65	2.38	10.6	20.9	10.9	1	5	0.67	<0.2	0.16	99.4	51	0.22	

Certified By:



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AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563761 (9331070)	3.85	1.53	3.08	8.20	17.3	10.8	2	4	0.63	<0.2	0.09	127	33	0.18	
E6563762 (9331071)	4.07	2.49	2.35	7.74	17.1	5.21	1	2	0.86	<0.2	0.35	22.7	28	0.34	
E6563763 (9331072)	4.47	3.02	1.19	9.46	19.5	4.02	2	2	0.99	<0.2	0.96	6.2	22	0.44	
E6563764 (9331073)	4.30	2.76	1.07	8.25	18.8	4.02	2	2	0.94	<0.2	0.88	5.5	19	0.40	
E6563765 (9331074)	4.16	2.72	1.01	7.73	19.2	3.72	2	2	0.88	<0.2	0.95	4.4	19	0.41	
E6563766 (9331075)	3.22	2.03	1.01	3.43	12.2	4.62	2	5	0.68	0.3	3.46	37.7	11	0.28	
E6563767 (9331076)	3.93	2.38	1.12	6.55	17.8	3.50	1	2	0.83	<0.2	1.07	4.2	16	0.35	
E6563768 (9331077)	4.29	2.74	1.02	10.3	18.5	3.74	2	2	0.96	<0.2	0.81	4.6	22	0.43	
E6563769 (9331078)	3.97	2.50	1.18	10.3	19.0	3.39	2	2	0.87	<0.2	0.89	4.1	27	0.36	
E6563770 (9331079)	3.93	2.51	1.11	7.63	18.1	3.52	2	2	0.87	<0.2	0.68	3.9	12	0.37	
E6563771 (9331080)	3.98	2.52	0.87	6.42	19.5	3.56	1	2	0.82	<0.2	0.82	4.1	21	0.36	
E6563772 (9331081)	0.30	0.15	0.05	0.16	0.27	0.32	1	<1	0.07	<0.2	<0.05	1.4	<10	<0.05	
E6563773 (9331082)	4.06	2.56	0.97	9.15	19.4	3.35	2	2	0.91	<0.2	0.98	3.8	28	0.41	
E6563774 (9331083)	3.99	2.45	1.04	7.37	19.0	3.55	2	2	0.85	<0.2	1.12	3.9	32	0.36	
E6563775 (9331084)	3.79	2.54	0.94	10.5	17.9	3.24	2	2	0.84	<0.2	1.06	3.8	31	0.39	
E6563776 (9331085)	4.08	2.54	0.96	7.41	19.8	3.60	1	2	0.86	<0.2	1.15	4.2	20	0.39	
E6563777 (9331086)	4.10	2.55	0.94	7.65	19.5	3.55	2	2	0.91	<0.2	0.66	4.2	13	0.41	
E6563778 (9331087)	3.93	2.55	0.90	7.80	19.2	3.38	1	2	0.88	<0.2	0.65	4.0	15	0.39	
E6563779 (9331088)	4.09	2.85	0.93	12.1	16.9	3.53	2	2	0.92	<0.2	0.88	4.0	22	0.48	
E6563780 (9331089)	4.37	2.91	1.12	13.1	16.9	3.67	2	2	1.18	<0.2	1.34	4.1	43	0.62	
E6563781 (9331090)	3.68	2.46	1.00	11.9	16.0	3.09	2	2	0.79	<0.2	1.10	3.7	27	0.38	
E6563782 (9331091)	3.99	2.62	0.99	10.2	18.4	3.42	2	2	0.85	<0.2	1.09	4.2	31	0.38	
E6563783 (9331092)	3.60	2.16	1.04	6.15	19.1	3.44	1	2	0.77	<0.2	1.04	5.6	26	0.35	
E6563784 (9331093)	2.14	1.29	0.64	7.63	11.6	2.53	1	2	0.44	<0.2	0.47	4.4	85	0.20	
E6563785 (9331094)	1.66	1.03	0.43	7.90	13.3	1.89	1	2	0.34	<0.2	0.71	2.8	86	0.18	
E6563786 (9331095)	3.19	1.96	1.00	3.39	11.8	4.67	2	5	0.69	0.2	3.37	35.9	<10	0.30	
E6563787 (9331096)	2.35	1.36	0.78	8.96	12.9	2.69	1	2	0.48	<0.2	0.43	6.3	77	0.20	
E6563788 (9331097)	4.02	2.65	1.02	11.6	17.1	3.38	2	2	0.91	<0.2	0.79	4.4	21	0.40	
E6563789 (9331098)	3.90	2.63	0.85	11.8	16.9	3.29	2	2	0.86	<0.2	1.14	3.6	32	0.41	
E6563790 (9331099)	3.90	2.73	0.85	11.8	17.3	3.52	1	2	0.89	<0.2	0.82	3.6	23	0.45	
E6563791 (9331100)	4.38	2.80	0.96	10.5	18.1	3.66	2	2	0.91	<0.2	0.73	3.9	13	0.44	
E6563792 (9331101)	0.26	0.18	<0.05	0.27	0.44	0.27	1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05	

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AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018						DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563697 (9331005)	2.96	1750	4	3	8.0	91	0.03	30	1.55	53.6	0.05	0.5	45	22.7	
E6563698 (9331006)	3.04	1810	3	3	7.5	92	0.03	30	1.44	51.0	0.06	0.4	47	23.2	
E6563699 (9331007)	2.25	1890	7	3	7.8	50	0.04	366	1.46	38.5	0.05	0.7	46	23.6	
E6563700 (9331008)	2.43	1740	5	3	7.6	79	0.03	16	1.44	66.7	0.05	0.7	45	22.7	
E6563701 (9331009)	2.72	1740	3	3	8.2	88	0.03	107	1.58	11.8	0.95	0.3	48	23.1	
E6563702 (9331010)	1.94	1460	3	3	8.5	50	0.04	47	1.65	42.8	0.25	0.4	46	24.8	
E6563703 (9331011)	1.85	1460	3	3	8.3	52	0.05	10	1.56	44.3	0.16	0.2	46	25.6	
E6563704 (9331012)	2.46	1750	4	3	9.3	83	0.04	10	1.72	33.2	0.17	0.6	50	22.4	
E6563705 (9331013)	2.37	1940	3	3	7.8	91	0.03	10	1.48	34.2	0.34	0.5	50	22.2	
E6563706 (9331014)	2.50	464	13	9	31.4	172	0.07	14	8.09	110	1.50	1.5	7	26.9	
E6563707 (9331015)	2.50	2120	4	3	8.7	85	0.04	5	1.62	16.6	0.27	0.4	48	23.1	
E6563708 (9331016)	2.37	2340	5	3	9.0	91	0.03	<5	1.79	18.2	0.17	0.3	44	22.5	
E6563709 (9331017)	2.06	1860	5	3	8.1	102	0.04	<5	1.57	24.9	0.40	0.2	38	24.2	
E6563710 (9331018)	3.14	1430	2	3	9.2	94	0.03	34	1.86	19.2	0.38	0.4	44	22.8	
E6563711 (9331019)	2.17	1800	5	3	8.3	104	0.04	<5	1.54	25.1	0.15	0.1	44	24.6	
E6563712 (9331020)	2.27	74	<2	<1	1.1	<5	<0.01	<5	0.24	0.4	<0.01	<0.1	<5	4.04	
E6563713 (9331021)	2.87	2020	5	3	7.0	105	0.03	<5	1.35	30.2	0.14	0.1	44	23.3	
E6563714 (9331022)	2.55	1650	3	3	8.5	94	0.04	<5	1.63	39.5	0.22	0.2	45	23.8	
E6563715 (9331023)	2.14	1820	4	3	8.7	68	0.04	20	1.63	33.9	0.10	0.1	48	25.4	
E6563716 (9331024)	2.26	2110	4	3	8.5	89	0.03	<5	1.61	22.1	0.07	0.1	49	23.8	
E6563717 (9331025)	2.34	2650	5	3	8.2	99	0.03	<5	1.58	17.4	0.36	0.3	46	21.7	
E6563718 (9331026)	2.37	2720	6	3	8.5	103	0.03	<5	1.56	18.2	0.36	0.4	48	22.7	
E6563719 (9331027)	2.44	2180	5	3	8.2	96	0.04	<5	1.67	25.5	0.09	0.1	44	23.5	
E6563720 (9331028)	2.45	2400	5	3	8.1	107	0.04	<5	1.54	34.6	0.16	0.1	47	23.4	
E6563721 (9331029)	3.01	2610	6	3	8.3	109	0.03	<5	1.55	30.9	0.34	0.3	49	22.1	
E6563722 (9331030)	5.06	1470	2	8	45.0	202	0.22	9	10.3	23.9	0.11	0.2	22	23.7	
E6563723 (9331031)	2.98	2340	5	3	8.0	110	0.04	<5	1.54	50.9	0.31	0.2	47	22.3	
E6563724 (9331032)	2.62	2310	8	3	7.9	110	0.03	<5	1.47	26.5	0.61	0.2	44	21.6	
E6563725 (9331033)	2.01	1810	3	3	9.0	85	0.03	10	1.68	30.0	0.12	0.1	43	24.7	
E6563726 (9331034)	2.59	470	12	9	32.5	175	0.07	13	8.50	112	1.49	1.7	7	26.8	
E6563727 (9331035)	2.27	1850	6	3	8.7	113	0.03	7	1.65	32.0	0.11	0.1	45	23.1	
E6563728 (9331036)	2.24	2170	6	3	8.3	108	0.04	<5	1.58	30.3	0.27	<0.1	45	24.1	

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PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563729 (9331037)	2.17	2000	6	3	8.2	107	0.03	5	1.53	33.3	0.13	<0.1	43	24.2	
E6563730 (9331038)	2.88	2240	4	3	8.1	122	0.03	17	1.50	32.9	0.20	0.3	47	23.4	
E6563731 (9331039)	2.51	2070	6	3	8.5	120	0.03	15	1.58	35.3	0.14	0.2	45	23.6	
E6563732 (9331040)	2.10	83	<2	<1	1.1	7	<0.01	<5	0.24	0.7	<0.01	<0.1	<5	4.52	
E6563733 (9331041)	2.19	1800	5	3	8.8	98	0.04	7	1.66	51.2	0.25	0.2	43	23.6	
E6563734 (9331042)	3.27	1970	4	5	24.6	124	0.09	11	5.56	31.7	0.13	0.4	39	22.5	
E6563735 (9331043)	2.54	2120	8	3	8.6	123	0.04	5	1.63	29.2	0.15	0.2	48	23.3	
E6563736 (9331044)	2.67	2450	4	3	8.1	103	0.04	<5	1.58	20.9	0.39	0.4	46	21.5	
E6563737 (9331045)	2.34	2470	5	2	7.0	100	0.03	<5	1.34	31.5	0.44	0.3	37	22.7	
E6563738 (9331046)	2.34	2500	4	3	7.0	100	0.02	<5	1.34	30.7	0.43	0.3	38	23.7	
E6563739 (9331047)	2.80	2480	6	3	8.0	112	0.03	<5	1.56	33.2	0.38	0.2	46	22.0	
E6563740 (9331048)	1.94	1870	5	3	8.7	95	0.04	<5	1.62	26.9	0.23	0.2	48	24.3	
E6563741 (9331049)	1.94	1550	3	3	8.3	80	0.04	6	1.62	47.2	0.06	0.2	45	25.3	
E6563742 (9331050)	2.17	1440	3	3	9.3	81	0.04	7	1.75	75.4	0.15	0.2	43	24.6	
E6563743 (9331051)	2.72	1630	5	3	10.6	182	0.04	156	2.11	57.5	1.59	0.7	46	23.6	
E6563744 (9331052)	5.68	1470	2	7	40.7	227	0.22	51	8.73	9.9	0.04	0.4	18	24.2	
E6563745 (9331053)	8.14	1590	8	6	26.8	263	0.22	<5	5.44	11.9	0.13	0.4	17	20.7	
E6563746 (9331054)	2.61	471	13	9	32.1	178	0.07	12	8.37	110	1.51	1.7	7	26.9	
E6563747 (9331055)	6.12	1590	12	7	36.5	225	0.23	26	7.33	13.3	0.02	0.5	18	24.1	
E6563748 (9331056)	2.74	1430	4	3	17.9	97	0.06	224	4.03	21.3	0.42	0.9	42	24.5	
E6563749 (9331057)	2.34	1920	4	3	8.6	111	0.04	<5	1.63	52.8	0.13	0.4	47	23.1	
E6563750 (9331059)	2.35	1810	2	3	8.5	86	0.04	13	1.59	68.8	0.16	0.4	47	24.4	
E6563751 (9331060)	2.45	1900	4	3	8.9	98	0.04	<5	1.71	44.9	0.11	0.4	46	24.0	
E6563752 (9331061)	2.36	1570	3	3	8.3	72	0.04	24	1.57	55.5	0.12	0.2	43	25.8	
E6563753 (9331062)	2.52	2300	3	3	9.3	101	0.03	26	1.75	45.2	0.24	0.3	53	23.5	
E6563754 (9331063)	2.34	2320	3	3	8.6	88	0.03	17	1.64	43.3	0.10	0.2	50	23.5	
E6563755 (9331064)	2.37	1970	3	3	8.9	91	0.03	19	1.64	53.7	0.09	0.2	47	23.6	
E6563756 (9331065)	2.89	2130	3	3	9.0	93	0.03	21	1.70	57.4	0.19	0.3	49	23.6	
E6563757 (9331066)	2.33	1930	4	3	8.8	89	0.04	7	1.63	52.2	0.15	0.4	49	24.0	
E6563758 (9331067)	2.43	1760	4	3	10.3	110	0.04	20	2.06	29.8	1.15	1.4	49	23.8	
E6563759 (9331068)	2.58	1620	3	5	21.3	120	0.05	22	4.41	23.4	0.62	0.6	43	25.1	
E6563760 (9331069)	5.38	2370	2	9	96.2	233	0.28	17	24.4	4.6	0.40	0.3	20	21.9	

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563761 (9331070)	4.53	1640	2	6	109	246	0.17	17	28.2	1.9	0.44	0.6	14	24.8	
E6563762 (9331071)	3.04	1550	3	4	26.1	150	0.05	20	6.27	10.6	0.72	0.8	38	24.5	
E6563763 (9331072)	2.60	2150	3	3	9.9	105	0.04	<5	1.95	38.9	0.68	0.7	51	23.2	
E6563764 (9331073)	2.60	2130	4	3	9.7	75	0.04	<5	1.89	44.2	0.35	0.2	47	23.6	
E6563765 (9331074)	2.34	1800	5	3	8.9	72	0.03	14	1.66	45.1	0.30	0.2	46	24.6	
E6563766 (9331075)	2.74	473	13	9	33.0	176	0.07	12	8.56	116	1.55	1.7	7	27.7	
E6563767 (9331076)	2.02	1520	4	3	8.5	62	0.03	<5	1.66	46.4	0.34	0.2	44	26.4	
E6563768 (9331077)	2.67	2310	3	3	8.6	92	0.03	<5	1.64	41.6	1.31	0.1	50	22.9	
E6563769 (9331078)	3.09	2490	4	3	8.1	103	0.03	<5	1.56	53.7	1.20	0.2	44	22.3	
E6563770 (9331079)	2.26	2120	10	3	8.3	92	0.03	<5	1.51	29.4	0.36	0.2	46	25.1	
E6563771 (9331080)	2.25	1960	5	3	8.4	77	0.04	<5	1.63	46.7	0.11	0.1	44	25.5	
E6563772 (9331081)	2.61	79	2	<1	1.1	<5	<0.01	<5	0.27	0.4	<0.01	<0.1	<5	6.51	
E6563773 (9331082)	2.74	2360	5	3	7.9	90	0.03	17	1.49	45.9	0.79	0.2	47	23.5	
E6563774 (9331083)	2.15	1870	6	3	8.2	85	0.04	<5	1.56	66.5	0.57	0.1	43	25.6	
E6563775 (9331084)	2.15	2200	5	3	8.0	100	0.03	6	1.47	58.0	1.69	0.1	41	23.8	
E6563776 (9331085)	2.09	1980	15	3	8.7	88	0.04	6	1.65	48.1	0.49	<0.1	46	25.0	
E6563777 (9331086)	2.12	2250	5	3	8.6	99	0.04	<5	1.67	32.1	0.27	<0.1	44	23.9	
E6563778 (9331087)	2.22	2280	5	3	8.1	103	0.04	<5	1.57	30.1	0.30	<0.1	46	25.3	
E6563779 (9331088)	2.68	2400	5	3	7.8	113	0.04	6	1.47	48.9	1.98	0.3	46	22.4	
E6563780 (9331089)	2.62	2370	6	3	8.1	121	0.02	<5	1.53	78.9	2.44	0.3	41	21.2	
E6563781 (9331090)	2.50	2520	7	3	7.0	123	0.03	6	1.38	47.1	2.60	0.2	40	23.3	
E6563782 (9331091)	2.28	2740	4	3	8.2	119	0.03	<5	1.54	55.8	1.21	0.2	45	23.3	
E6563783 (9331092)	2.02	1520	4	3	9.0	126	0.04	5	1.83	47.3	0.47	0.4	40	25.0	
E6563784 (9331093)	10.1	1720	2	3	8.9	565	0.15	27	1.73	21.0	0.05	0.4	25	22.0	
E6563785 (9331094)	9.44	1430	2	3	5.7	537	0.16	296	1.10	22.4	0.29	1.3	21	20.3	
E6563786 (9331095)	2.65	460	13	9	32.4	173	0.08	13	8.19	113	1.53	1.7	7	27.3	
E6563787 (9331096)	9.83	1700	<2	3	10.1	472	0.14	20	2.03	18.7	0.14	0.4	25	22.0	
E6563788 (9331097)	2.67	2560	3	3	8.2	136	0.03	12	1.57	36.9	1.94	0.8	40	21.5	
E6563789 (9331098)	2.56	2360	4	3	7.4	129	0.04	<5	1.37	60.8	2.09	0.1	44	22.7	
E6563790 (9331099)	2.76	2770	3	3	7.7	106	0.04	<5	1.47	43.8	1.34	0.2	50	21.7	
E6563791 (9331100)	2.43	2430	4	3	8.2	104	0.04	<5	1.55	27.9	0.75	0.3	46	22.3	
E6563792 (9331101)	2.33	80	<2	<1	1.1	<5	0.01	<5	0.24	0.9	<0.01	<0.1	<5	6.26	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563697 (9331005)	2.5	1	176	<0.5	0.65	0.5	0.64	<0.5	0.40	0.11	309	2	22.8	2.5
E6563698 (9331006)	2.5	<1	182	<0.5	0.60	0.4	0.65	<0.5	0.39	0.11	320	1	21.6	2.6
E6563699 (9331007)	2.4	<1	218	<0.5	0.61	0.4	0.68	<0.5	0.38	0.11	303	2	22.1	2.5
E6563700 (9331008)	2.4	<1	174	<0.5	0.61	0.4	0.66	<0.5	0.37	0.10	309	1	21.8	2.6
E6563701 (9331009)	2.5	<1	64.6	<0.5	0.63	0.4	0.64	<0.5	0.39	0.16	303	2	22.0	2.6
E6563702 (9331010)	2.7	<1	118	<0.5	0.65	0.5	0.72	<0.5	0.39	0.13	323	1	22.8	2.5
E6563703 (9331011)	2.6	<1	131	<0.5	0.65	0.4	0.69	<0.5	0.37	0.11	319	<1	22.7	2.4
E6563704 (9331012)	3.2	1	150	<0.5	0.75	0.5	0.67	<0.5	0.51	0.15	325	1	27.5	3.2
E6563705 (9331013)	2.4	1	152	<0.5	0.62	0.4	0.62	<0.5	0.42	0.13	320	1	22.4	2.7
E6563706 (9331014)	5.6	2	28.2	0.7	0.68	10.7	0.24	0.7	0.32	6.74	56	4	18.6	2.0
E6563707 (9331015)	2.6	<1	152	<0.5	0.65	0.5	0.69	<0.5	0.41	0.12	341	1	23.3	2.9
E6563708 (9331016)	2.9	<1	146	<0.5	0.67	0.5	0.67	<0.5	0.43	0.13	325	<1	24.7	2.9
E6563709 (9331017)	2.4	<1	111	<0.5	0.60	0.5	0.69	<0.5	0.40	0.14	324	<1	21.7	2.7
E6563710 (9331018)	2.6	<1	123	<0.5	0.58	0.4	0.63	<0.5	0.40	0.11	308	1	20.6	2.5
E6563711 (9331019)	2.6	<1	135	<0.5	0.65	0.4	0.68	<0.5	0.38	0.12	312	<1	22.0	2.5
E6563712 (9331020)	0.2	<1	51.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.5	0.2
E6563713 (9331021)	2.2	<1	146	<0.5	0.55	0.4	0.63	<0.5	0.35	0.11	310	<1	19.3	2.2
E6563714 (9331022)	2.7	<1	153	<0.5	0.64	0.4	0.67	<0.5	0.39	0.13	315	<1	22.2	2.6
E6563715 (9331023)	2.8	2	111	<0.5	0.69	0.4	0.69	<0.5	0.40	0.11	309	<1	23.1	2.6
E6563716 (9331024)	2.8	<1	134	<0.5	0.65	0.5	0.66	<0.5	0.42	0.11	322	<1	23.8	2.8
E6563717 (9331025)	2.8	<1	120	<0.5	0.63	0.4	0.62	<0.5	0.44	0.10	301	<1	24.8	2.9
E6563718 (9331026)	2.7	<1	125	<0.5	0.66	0.4	0.64	<0.5	0.44	0.11	313	<1	25.2	3.1
E6563719 (9331027)	2.8	<1	138	<0.5	0.80	0.4	0.65	<0.5	0.49	0.13	303	<1	23.1	2.8
E6563720 (9331028)	2.6	2	135	<0.5	0.63	0.4	0.64	<0.5	0.40	0.11	309	<1	24.9	2.8
E6563721 (9331029)	2.6	<1	176	<0.5	0.68	0.4	0.60	<0.5	0.45	0.11	322	<1	26.1	3.3
E6563722 (9331030)	9.4	2	390	<0.5	1.08	3.3	0.82	<0.5	0.28	0.92	174	<1	22.6	1.9
E6563723 (9331031)	2.6	<1	175	<0.5	0.64	0.4	0.64	<0.5	0.42	0.12	322	1	24.0	2.9
E6563724 (9331032)	2.5	<1	164	<0.5	0.63	0.4	0.60	<0.5	0.41	0.13	296	6	24.3	3.0
E6563725 (9331033)	2.8	<1	140	<0.5	0.67	0.4	0.68	<0.5	0.39	0.12	305	2	23.1	2.6
E6563726 (9331034)	5.7	2	27.3	0.7	0.67	11.1	0.24	0.7	0.29	6.87	58	4	18.9	2.1
E6563727 (9331035)	2.8	<1	145	<0.5	0.68	0.5	0.64	<0.5	0.42	0.12	308	1	24.8	2.9
E6563728 (9331036)	2.7	<1	151	<0.5	0.66	0.5	0.64	<0.5	0.38	0.11	309	1	23.5	2.6

Certified By:



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PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6563729 (9331037)	2.6	<1	132	<0.5	0.62	0.4	0.66	<0.5	0.37	0.13	305	1	22.3	2.4	
E6563730 (9331038)	2.7	<1	146	<0.5	0.61	0.4	0.63	<0.5	0.37	0.12	318	1	22.4	2.6	
E6563731 (9331039)	2.6	<1	157	<0.5	0.62	0.4	0.66	<0.5	0.39	0.12	317	1	23.0	2.8	
E6563732 (9331040)	0.2	<1	55.7	<0.5	<0.05	<0.1	0.01	<0.5	<0.05	0.12	5	<1	2.5	0.2	
E6563733 (9331041)	2.7	<1	155	<0.5	0.60	0.4	0.61	<0.5	0.38	0.15	289	1	22.6	2.7	
E6563734 (9331042)	5.5	<1	155	<0.5	0.84	2.3	0.57	<0.5	0.38	0.55	261	1	24.1	2.5	
E6563735 (9331043)	2.7	<1	173	<0.5	0.63	0.4	0.64	<0.5	0.39	0.13	324	2	23.2	2.8	
E6563736 (9331044)	2.7	<1	181	<0.5	0.67	0.4	0.59	<0.5	0.45	0.13	310	2	24.1	3.0	
E6563737 (9331045)	2.2	<1	180	<0.5	0.52	0.4	0.54	<0.5	0.34	0.11	278	1	19.5	2.3	
E6563738 (9331046)	2.1	<1	181	<0.5	0.54	0.4	0.57	<0.5	0.31	0.10	281	1	19.1	2.3	
E6563739 (9331047)	2.6	<1	189	<0.5	0.62	0.4	0.63	<0.5	0.40	0.12	318	1	23.6	2.8	
E6563740 (9331048)	2.8	<1	221	<0.5	0.64	0.4	0.70	<0.5	0.38	0.12	330	1	23.5	2.7	
E6563741 (9331049)	2.6	<1	169	<0.5	0.61	0.5	0.67	<0.5	0.37	0.11	307	1	21.8	2.5	
E6563742 (9331050)	2.9	<1	143	<0.5	0.67	0.5	0.70	0.6	0.38	0.11	303	1	22.5	2.4	
E6563743 (9331051)	3.0	<1	172	<0.5	0.66	0.4	0.67	0.9	0.38	0.17	308	1	23.8	2.5	
E6563744 (9331052)	8.7	2	143	<0.5	1.01	3.6	0.60	<0.5	0.27	1.08	147	<1	21.7	1.8	
E6563745 (9331053)	6.4	1	77.6	<0.5	0.79	3.1	0.59	<0.5	0.24	0.96	139	2	18.7	1.7	
E6563746 (9331054)	5.8	2	33.4	0.7	0.63	11.1	0.24	0.7	0.30	6.81	57	4	18.6	2.0	
E6563747 (9331055)	8.4	1	105	<0.5	1.00	3.7	0.62	<0.5	0.26	1.08	149	2	21.9	1.8	
E6563748 (9331056)	3.9	1	186	<0.5	0.72	0.5	0.64	<0.5	0.37	0.43	285	2	22.9	2.5	
E6563749 (9331057)	2.5	<1	232	<0.5	0.65	0.4	0.64	<0.5	0.39	0.11	317	<1	23.9	2.8	
E6563750 (9331059)	2.6	<1	167	<0.5	0.59	0.5	0.71	<0.5	0.36	0.12	312	2	22.0	2.5	
E6563751 (9331060)	2.7	<1	198	<0.5	0.61	0.5	0.68	<0.5	0.38	0.13	308	1	22.7	2.5	
E6563752 (9331061)	2.6	<1	131	<0.5	0.59	0.5	0.70	<0.5	0.35	0.13	303	1	22.3	2.5	
E6563753 (9331062)	2.9	<1	149	<0.5	0.73	0.4	0.66	<0.5	0.44	0.12	340	<1	26.9	3.2	
E6563754 (9331063)	2.8	<1	130	<0.5	0.69	0.4	0.64	<0.5	0.42	0.11	316	<1	26.3	2.8	
E6563755 (9331064)	2.8	<1	185	<0.5	0.66	0.4	0.66	<0.5	0.38	0.12	308	1	23.9	2.7	
E6563756 (9331065)	2.7	<1	159	<0.5	0.66	0.4	0.67	<0.5	0.41	0.11	320	2	23.9	2.7	
E6563757 (9331066)	2.7	<1	201	<0.5	0.67	0.5	0.66	<0.5	0.39	0.12	315	2	24.9	2.7	
E6563758 (9331067)	2.9	<1	238	<0.5	0.66	0.5	0.66	<0.5	0.40	0.21	312	1	24.8	2.8	
E6563759 (9331068)	5.2	<1	154	<0.5	0.88	0.9	0.70	<0.5	0.40	0.54	290	2	26.3	2.6	
E6563760 (9331069)	14.2	<1	107	<0.5	1.20	14.9	0.50	<0.5	0.22	2.27	162	2	17.8	1.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563761 (9331070)	15.3	1	114	<0.5	1.21	17.2	0.47	<0.5	0.20	2.96	109	2	17.1	1.4
E6563762 (9331071)	4.8	1	90.8	<0.5	0.75	2.6	0.62	<0.5	0.38	1.27	233	4	22.7	2.5
E6563763 (9331072)	2.9	<1	227	<0.5	0.72	0.5	0.66	<0.5	0.45	0.26	334	3	26.3	3.1
E6563764 (9331073)	3.1	<1	167	<0.5	0.72	0.5	0.64	<0.5	0.42	0.15	310	3	24.7	2.8
E6563765 (9331074)	2.7	<1	148	<0.5	0.65	0.5	0.66	<0.5	0.39	0.14	304	2	23.8	2.8
E6563766 (9331075)	5.8	2	33.6	0.8	0.65	11.7	0.24	0.8	0.30	7.10	58	5	19.5	2.0
E6563767 (9331076)	2.7	1	124	<0.5	0.63	0.5	0.67	<0.5	0.36	0.17	290	2	22.4	2.5
E6563768 (9331077)	2.7	<1	132	<0.5	0.67	0.4	0.64	<0.5	0.41	0.11	333	2	25.0	2.9
E6563769 (9331078)	2.6	2	115	<0.5	0.63	0.4	0.61	0.5	0.38	0.12	321	2	22.6	2.5
E6563770 (9331079)	2.5	<1	134	<0.5	0.62	0.4	0.65	<0.5	0.38	0.11	308	3	22.8	2.6
E6563771 (9331080)	2.7	<1	136	<0.5	0.62	0.5	0.68	<0.5	0.38	0.12	299	3	21.8	2.4
E6563772 (9331081)	0.2	<1	48.5	<0.5	0.05	0.1	0.02	<0.5	<0.05	0.14	7	<1	2.6	0.2
E6563773 (9331082)	2.5	<1	135	<0.5	0.64	0.4	0.64	<0.5	0.39	0.12	311	3	24.2	2.8
E6563774 (9331083)	2.7	<1	126	<0.5	0.64	0.4	0.67	0.6	0.36	0.13	295	3	22.6	2.5
E6563775 (9331084)	2.5	<1	112	<0.5	0.60	0.4	0.61	0.6	0.37	0.12	287	3	21.8	2.7
E6563776 (9331085)	2.7	<1	141	<0.5	0.66	0.5	0.70	<0.5	0.39	0.13	311	3	23.1	2.6
E6563777 (9331086)	2.7	<1	139	<0.5	0.66	0.5	0.68	<0.5	0.41	0.13	305	6	22.5	2.7
E6563778 (9331087)	2.4	<1	141	<0.5	0.62	0.5	0.69	<0.5	0.38	0.14	315	4	22.0	2.7
E6563779 (9331088)	2.4	<1	117	<0.5	0.63	0.4	0.56	<0.5	0.44	0.14	289	3	25.2	3.1
E6563780 (9331089)	2.6	<1	91.3	<0.5	0.96	0.5	0.54	0.8	0.68	0.19	276	13	23.5	3.2
E6563781 (9331090)	2.2	<1	100	<0.5	0.56	0.4	0.55	<0.5	0.38	0.15	265	3	21.4	2.5
E6563782 (9331091)	2.6	2	126	<0.5	0.61	0.4	0.63	0.5	0.39	0.14	298	10	22.9	2.6
E6563783 (9331092)	2.6	<1	259	<0.5	0.59	0.5	0.68	<0.5	0.35	0.17	294	3	19.9	2.4
E6563784 (9331093)	2.3	1	85.9	<0.5	0.37	1.7	0.32	<0.5	0.19	0.60	151	<1	12.2	1.3
E6563785 (9331094)	1.7	1	46.1	<0.5	0.30	1.6	0.27	<0.5	0.17	0.58	125	<1	9.7	1.2
E6563786 (9331095)	5.7	2	34.0	0.7	0.66	11.5	0.24	0.8	0.30	7.00	56	5	19.2	2.1
E6563787 (9331096)	2.4	<1	46.5	<0.5	0.41	1.6	0.33	<0.5	0.19	0.59	155	<1	12.9	1.4
E6563788 (9331097)	2.6	<1	162	<0.5	0.63	0.5	0.54	<0.5	0.40	0.17	261	4	24.9	2.8
E6563789 (9331098)	2.4	<1	135	<0.5	0.58	0.4	0.61	0.7	0.40	0.13	292	3	23.3	2.8
E6563790 (9331099)	2.6	<1	138	<0.5	0.66	0.4	0.60	<0.5	0.42	0.11	306	3	24.7	3.0
E6563791 (9331100)	2.7	3	173	<0.5	0.62	0.4	0.62	<0.5	0.44	0.11	299	3	25.5	3.0
E6563792 (9331101)	0.2	<1	47.7	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.15	<5	<1	2.4	0.2

Certified By:



AGAT Laboratories

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

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SAMPLE TYPE: Drill Core

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5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563697 (9331005)		89	65.6
E6563698 (9331006)		94	62.5
E6563699 (9331007)		419	68.6
E6563700 (9331008)		82	63.4
E6563701 (9331009)		79	63.0
E6563702 (9331010)		149	74.5
E6563703 (9331011)		78	67.6
E6563704 (9331012)		87	71.6
E6563705 (9331013)		70	63.2
E6563706 (9331014)		8	171
E6563707 (9331015)		79	64.2
E6563708 (9331016)		99	65.0
E6563709 (9331017)		84	63.7
E6563710 (9331018)		61	61.1
E6563711 (9331019)		78	64.9
E6563712 (9331020)		<5	2.4
E6563713 (9331021)		79	55.9
E6563714 (9331022)		69	64.3
E6563715 (9331023)		89	66.8
E6563716 (9331024)		103	63.6
E6563717 (9331025)		94	60.8
E6563718 (9331026)		98	62.0
E6563719 (9331027)		86	63.6
E6563720 (9331028)		93	63.6
E6563721 (9331029)		99	61.9
E6563722 (9331030)		112	166
E6563723 (9331031)		93	63.4
E6563724 (9331032)		92	61.8
E6563725 (9331033)		94	66.1
E6563726 (9331034)		7	172
E6563727 (9331035)		87	66.1
E6563728 (9331036)		93	65.0

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563729 (9331037)		93	65.2
E6563730 (9331038)		152	59.6
E6563731 (9331039)		103	64.7
E6563732 (9331040)		<5	2.9
E6563733 (9331041)		89	62.7
E6563734 (9331042)		92	88.6
E6563735 (9331043)		90	60.9
E6563736 (9331044)		88	58.7
E6563737 (9331045)		75	54.8
E6563738 (9331046)		74	53.0
E6563739 (9331047)		88	63.0
E6563740 (9331048)		64	68.4
E6563741 (9331049)		71	66.7
E6563742 (9331050)		65	68.1
E6563743 (9331051)		165	65.4
E6563744 (9331052)		109	162
E6563745 (9331053)		63	142
E6563746 (9331054)		9	174
E6563747 (9331055)		63	162
E6563748 (9331056)		999	63.2
E6563749 (9331057)		79	63.4
E6563750 (9331059)		62	69.5
E6563751 (9331060)		82	69.0
E6563752 (9331061)		103	67.1
E6563753 (9331062)		154	62.5
E6563754 (9331063)		140	65.7
E6563755 (9331064)		105	65.8
E6563756 (9331065)		127	65.3
E6563757 (9331066)		100	65.3
E6563758 (9331067)		67	61.8
E6563759 (9331068)		178	73.8
E6563760 (9331069)		125	178

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AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 11, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563761 (9331070)		136	150
E6563762 (9331071)		82	74.5
E6563763 (9331072)		79	65.6
E6563764 (9331073)		88	63.4
E6563765 (9331074)		72	66.6
E6563766 (9331075)		9	182
E6563767 (9331076)		60	64.1
E6563768 (9331077)		100	63.1
E6563769 (9331078)		104	60.8
E6563770 (9331079)		80	63.1
E6563771 (9331080)		79	65.9
E6563772 (9331081)		<5	3.4
E6563773 (9331082)		96	64.1
E6563774 (9331083)		72	64.6
E6563775 (9331084)		83	58.7
E6563776 (9331085)		78	67.3
E6563777 (9331086)		85	64.6
E6563778 (9331087)		84	65.7
E6563779 (9331088)		79	55.3
E6563780 (9331089)		72	54.9
E6563781 (9331090)		84	53.0
E6563782 (9331091)		89	63.6
E6563783 (9331092)		53	66.9
E6563784 (9331093)		160	67.6
E6563785 (9331094)		4920	67.3
E6563786 (9331095)		11	177
E6563787 (9331096)		591	66.3
E6563788 (9331097)		100	56.7
E6563789 (9331098)		91	59.8
E6563790 (9331099)		117	60.0
E6563791 (9331100)		90	63.5
E6563792 (9331101)		<5	2.8

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AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 11, 2018

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 11, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Pass % %
		0.01
E6563697 (9331005)		91.2
E6563705 (9331013)		83.9
E6563715 (9331023)		80.4
E6563725 (9331033)		78.6
E6563733 (9331041)		79.4
E6563748 (9331056)		92.8
E6563756 (9331065)		84.8
E6563761 (9331070)		88.4
E6563767 (9331076)		84.5
E6563775 (9331084)		84.5
E6563784 (9331093)		94.3

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350771

PROJECT: DDH-128B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Aug 11, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563697 (9331005)		85.7
E6563727 (9331035)		85.2
E6563735 (9331043)		89.6
E6563761 (9331070)		87.7

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9331005	< 1	< 1	0.0%	9331016	< 1	< 1	0.0%	9331028	< 1	< 1	0.0%	9331030	< 1	< 1	0.0%
Al	9331005	8.11	8.30	2.3%	9331016	8.15	8.14	0.1%	9331028	8.34	8.22	1.4%	9331030	6.48	6.34	2.2%
As	9331005	7	5		9331016	< 5	< 5	0.0%	9331028	< 5	< 5	0.0%	9331030	< 5	< 5	0.0%
B	9331005	20	22	9.5%	9331016	25	23	8.3%	9331028	19	22	14.6%	9331030	< 20	< 20	0.0%
Ba	9331005	191	197	3.1%	9331016	192	189	1.6%	9331028	181	179	1.1%	9331030	364	360	1.1%
Be	9331005	< 5	< 5	0.0%	9331016	< 5	< 5	0.0%	9331028	< 5	< 5	0.0%	9331030	< 5	< 5	0.0%
Bi	9331005	< 0.1	< 0.1	0.0%	9331016	0.1	0.1	0.0%	9331028	0.1	0.2		9331030	0.1	0.1	0.0%
Ca	9331005	7.11	7.25	1.9%	9331016	8.72	8.65	0.8%	9331028	8.17	8.12	0.6%	9331030	6.22	6.06	2.6%
Cd	9331005	< 0.2	< 0.2	0.0%	9331016	< 0.2	< 0.2	0.0%	9331028	< 0.2	< 0.2	0.0%	9331030	< 0.2	< 0.2	0.0%
Ce	9331005	9.9	8.6	14.1%	9331016	11.6	11.2	3.5%	9331028	10.0	10.0	0.0%	9331030	77.4	77.4	0.0%
Co	9331005	48.6	43.2	11.8%	9331016	59.4	57.9	2.6%	9331028	63.1	61.8	2.1%	9331030	45.7	46.0	0.7%
Cr	9331005	0.020	0.021	4.9%	9331016	0.022	0.022	0.0%	9331028	0.022	0.022	0.0%	9331030	0.029	0.029	0.0%
Cs	9331005	0.6	0.6	0.0%	9331016	0.4	0.4	0.0%	9331028	0.6	0.6	0.0%	9331030	1.1	1.1	0.0%
Cu	9331005	47	50	6.2%	9331016	166	163	1.8%	9331028	140	141	0.7%	9331030	78	76	2.6%
Dy	9331005	3.78	3.44	9.4%	9331016	4.20	4.02	4.4%	9331028	4.18	4.09	2.2%	9331030	4.79	4.79	0.0%
Er	9331005	2.71	2.27	17.7%	9331016	2.79	2.76	1.1%	9331028	2.71	2.80	3.3%	9331030	2.30	2.27	1.3%
Eu	9331005	1.01	0.891	12.5%	9331016	1.14	1.34	16.1%	9331028	0.939	0.967	2.9%	9331030	2.44	2.48	1.6%
Fe	9331005	7.71	8.02	3.9%	9331016	9.16	9.11	0.5%	9331028	9.58	9.53	0.5%	9331030	7.65	7.37	3.7%
Ga	9331005	19.2	16.8	13.3%	9331016	19.3	18.8	2.6%	9331028	18.6	18.2	2.2%	9331030	18.6	19.5	4.7%
Gd	9331005	3.34	2.93	13.1%	9331016	3.98	3.60	10.0%	9331028	3.59	3.75	4.4%	9331030	8.33	8.52	2.3%
Ge	9331005	2	2	0.0%	9331016	2	2	0.0%	9331028	2	2	0.0%	9331030	1	2	
Hf	9331005	2	2	0.0%	9331016	2	2	0.0%	9331028	2	2	0.0%	9331030	5	5	0.0%
Ho	9331005	0.861	0.785	9.2%	9331016	0.91	0.90	1.1%	9331028	0.91	0.92	1.1%	9331030	0.859	0.843	1.9%
In	9331005	< 0.2	< 0.2	0.0%	9331016	< 0.2	< 0.2	0.0%	9331028	< 0.2	< 0.2	0.0%	9331030	< 0.2	< 0.2	0.0%
K	9331005	0.949	0.987	3.9%	9331016	0.52	0.52	0.0%	9331028	0.69	0.69	0.0%	9331030	0.660	0.625	5.4%
La	9331005	3.8	3.3	14.1%	9331016	4.6	4.4	4.4%	9331028	3.80	3.87	1.8%	9331030	33.7	34.1	1.2%
Li	9331005	18	21	15.4%	9331016	12	10	18.2%	9331028	< 10	< 10	0.0%	9331030	30	30	0.0%
Lu	9331005	0.39	0.35	10.8%	9331016	0.42	0.43	2.4%	9331028	0.422	0.415	1.7%	9331030	0.27	0.27	0.0%
Mg	9331005	2.96	3.11	4.9%	9331016	2.37	2.35	0.8%	9331028	2.45	2.37	3.3%	9331030	5.06	4.96	2.0%
Mn	9331005	1750	1810	3.4%	9331016	2340	2310	1.3%	9331028	2400	2380	0.8%	9331030	1470	1450	1.4%
Mo	9331005	4	4	0.0%	9331016	5	4	22.2%	9331028	5	5	0.0%	9331030	2	2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9331005	3	3	0.0%	9331016	3	3	0.0%	9331028	3	3	0.0%	9331030	8	8	0.0%
Nd	9331005	8.0	7.0	13.3%	9331016	9.0	8.8	2.2%	9331028	8.1	8.3	2.4%	9331030	45.0	46.7	3.7%
Ni	9331005	91	91	0.0%	9331016	91	93	2.2%	9331028	107	104	2.8%	9331030	202	201	0.5%
P	9331005	0.03	0.03	0.0%	9331016	0.035	0.042	18.2%	9331028	0.04	0.03	28.6%	9331030	0.22	0.22	0.0%
Pb	9331005	30	28	6.9%	9331016	< 5	< 5	0.0%	9331028	< 5	< 5	0.0%	9331030	9	9	0.0%
Pr	9331005	1.55	1.29	18.3%	9331016	1.79	1.65	8.1%	9331028	1.54	1.55	0.6%	9331030	10.3	10.4	1.0%
Rb	9331005	53.6	46.8	13.5%	9331016	18.2	17.7	2.8%	9331028	34.6	33.8	2.3%	9331030	23.9	24.8	3.7%
S	9331005	0.054	0.059	8.8%	9331016	0.17	0.17	0.0%	9331028	0.160	0.155	3.2%	9331030	0.11	0.11	0.0%
Sb	9331005	0.47	0.43	8.9%	9331016	0.33	0.35	5.9%	9331028	0.1	0.1	0.0%	9331030	0.2	0.2	0.0%
Sc	9331005	45	47	4.3%	9331016	44	44	0.0%	9331028	47	47	0.0%	9331030	22	22	0.0%
Si	9331005	22.7	23.7	4.3%	9331016	22.5	22.3	0.9%	9331028	23.4	23.3	0.4%	9331030	23.7	22.8	3.9%
Sm	9331005	2.48	2.25	9.7%	9331016	2.9	2.7	7.1%	9331028	2.6	2.6	0.0%	9331030	9.4	9.4	0.0%
Sn	9331005	1	< 1		9331016	< 1	< 1	0.0%	9331028	2	1		9331030	2	2	0.0%
Sr	9331005	176	182	3.4%	9331016	146	143	2.1%	9331028	135	133	1.5%	9331030	390	387	0.8%
Ta	9331005	< 0.5	< 0.5	0.0%	9331016	< 0.5	< 0.5	0.0%	9331028	< 0.5	< 0.5	0.0%	9331030	< 0.5	< 0.5	0.0%
Tb	9331005	0.65	0.57	13.1%	9331016	0.67	0.67	0.0%	9331028	0.63	0.65	3.1%	9331030	1.08	1.08	0.0%
Th	9331005	0.45	0.39	14.3%	9331016	0.46	0.43	6.7%	9331028	0.4	0.4	0.0%	9331030	3.35	3.44	2.7%
Ti	9331005	0.64	0.67	4.6%	9331016	0.67	0.67	0.0%	9331028	0.64	0.64	0.0%	9331030	0.82	0.80	2.5%
Tl	9331005	< 0.5	< 0.5	0.0%	9331016	< 0.5	< 0.5	0.0%	9331028	< 0.5	< 0.5	0.0%	9331030	< 0.5	< 0.5	0.0%
Tm	9331005	0.399	0.320	22.0%	9331016	0.43	0.41	4.8%	9331028	0.40	0.42	4.9%	9331030	0.280	0.274	2.2%
U	9331005	0.106	0.097	8.9%	9331016	0.13	0.13	0.0%	9331028	0.109	0.116	6.2%	9331030	0.92	0.91	1.1%
V	9331005	309	317	2.6%	9331016	325	323	0.6%	9331028	309	309	0.0%	9331030	174	171	1.7%
W	9331005	2	1		9331016	< 1	< 1	0.0%	9331028	< 1	< 1	0.0%	9331030	< 1	1	
Y	9331005	22.8	20.1	12.6%	9331016	24.7	23.9	3.3%	9331028	24.9	24.5	1.6%	9331030	22.6	23.2	2.6%
Yb	9331005	2.5	2.3	8.3%	9331016	2.85	2.74	3.9%	9331028	2.85	2.88	1.0%	9331030	1.9	1.9	0.0%
Zn	9331005	89	91	2.2%	9331016	99	95	4.1%	9331028	93	93	0.0%	9331030	112	109	2.7%
Zr	9331005	65.6	57.6	13.0%	9331016	65.0	62.7	3.6%	9331028	63.6	62.4	1.9%	9331030	166	170	2.4%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9331040	< 1	< 1	0.0%	9331052	< 1	< 1	0.0%	9331055	< 1	< 1	0.0%	9331065	< 1	< 1	0.0%
Al	9331040	0.15	0.15	0.0%	9331052	6.12	6.16	0.7%	9331055	5.95	6.01	1.0%	9331065	8.62	8.77	1.7%
As	9331040	< 5	< 5	0.0%	9331052	9	9	0.0%	9331055	8	10	22.2%	9331065	20	21	4.9%
B	9331040	< 20	< 20	0.0%	9331052	< 20	< 20	0.0%	9331055	< 20	< 20	0.0%	9331065	25	28	11.3%
Ba	9331040	14.9	14.9	0.0%	9331052	87.4	87.6	0.2%	9331055	123	126	2.4%	9331065	312	309	1.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9331040	< 5	< 5	0.0%	9331052	< 5	< 5	0.0%	9331055	< 5	< 5	0.0%	9331065	< 5	< 5	0.0%
Bi	9331040	< 0.1	< 0.1	0.0%	9331052	0.2	0.2	0.0%	9331055	0.2	0.1		9331065	0.2	0.2	0.0%
Ca	9331040	31.7	33.2	4.6%	9331052	4.72	4.81	1.9%	9331055	5.10	5.11	0.2%	9331065	6.58	6.46	1.8%
Cd	9331040	< 0.2	< 0.2	0.0%	9331052	< 0.2	< 0.2	0.0%	9331055	< 0.2	< 0.2	0.0%	9331065	< 0.2	< 0.2	0.0%
Ce	9331040	1.25	1.29	3.1%	9331052	62.2	63.7	2.4%	9331055	47.3	49.0	3.5%	9331065	11.5	11.4	0.9%
Co	9331040	1.83	1.96	6.9%	9331052	38.1	38.1	0.0%	9331055	38.2	37.9	0.8%	9331065	52.5	51.4	2.1%
Cr	9331040	< 0.005	< 0.005	0.0%	9331052	0.0364	0.0367	0.8%	9331055	0.0398	0.0389	2.3%	9331065	0.0216	0.0209	3.3%
Cs	9331040	< 0.1	< 0.1	0.0%	9331052	0.4	0.4	0.0%	9331055	0.4	0.4	0.0%	9331065	1.2	1.2	0.0%
Cu	9331040	5	6	18.2%	9331052	14	14	0.0%	9331055	22	21	4.7%	9331065	100	101	1.0%
Dy	9331040	0.27	0.26	3.8%	9331052	4.50	4.40	2.2%	9331055	4.46	4.42	0.9%	9331065	4.21	4.15	1.4%
Er	9331040	0.205	0.153	29.1%	9331052	2.07	1.91	8.0%	9331055	2.02	2.07	2.4%	9331065	2.82	2.66	5.8%
Eu	9331040	< 0.05	0.06		9331052	2.29	2.28	0.4%	9331055	2.30	2.30	0.0%	9331065	0.94	0.97	3.1%
Fe	9331040	0.211	0.220	4.2%	9331052	7.90	7.99	1.1%	9331055	8.05	7.78	3.4%	9331065	8.75	8.87	1.4%
Ga	9331040	0.41	0.41	0.0%	9331052	15.8	15.9	0.6%	9331055	15.0	15.3	2.0%	9331065	18.5	18.4	0.5%
Gd	9331040	0.318	0.295	7.5%	9331052	7.60	7.58	0.3%	9331055	7.59	7.66	0.9%	9331065	3.68	3.62	1.6%
Ge	9331040	1	1	0.0%	9331052	1	1	0.0%	9331055	1	1	0.0%	9331065	1	1	0.0%
Hf	9331040	< 1	< 1	0.0%	9331052	4	4	0.0%	9331055	4	4	0.0%	9331065	2	2	0.0%
Ho	9331040	0.066	0.063	4.7%	9331052	0.78	0.78	0.0%	9331055	0.81	0.81	0.0%	9331065	0.915	0.912	0.3%
In	9331040	< 0.2	< 0.2	0.0%	9331052	< 0.2	< 0.2	0.0%	9331055	< 0.2	< 0.2	0.0%	9331065	< 0.2	< 0.2	0.0%
K	9331040	< 0.05	< 0.05	0.0%	9331052	0.365	0.380	4.0%	9331055	0.487	0.480	1.4%	9331065	1.11	1.14	2.7%
La	9331040	1.35	1.34	0.7%	9331052	25.2	25.2	0.0%	9331055	16.5	16.8	1.8%	9331065	4.8	4.8	0.0%
Li	9331040	< 10	< 10	0.0%	9331052	26	28	7.4%	9331055	38	40	5.1%	9331065	25	27	7.7%
Lu	9331040	< 0.05	< 0.05	0.0%	9331052	0.243	0.260	6.8%	9331055	0.261	0.270	3.4%	9331065	0.40	0.40	0.0%
Mg	9331040	2.10	2.15	2.4%	9331052	5.68	5.76	1.4%	9331055	6.12	6.39	4.3%	9331065	2.89	2.87	0.7%
Mn	9331040	83	84	1.2%	9331052	1470	1510	2.7%	9331055	1590	1590	0.0%	9331065	2130	2130	0.0%
Mo	9331040	< 2	< 2	0.0%	9331052	2	2	0.0%	9331055	12	4		9331065	3	2	
Nb	9331040	< 1	< 1	0.0%	9331052	7	7	0.0%	9331055	7	7	0.0%	9331065	3	3	0.0%
Nd	9331040	1.1	1.2	8.7%	9331052	40.7	40.0	1.7%	9331055	36.5	37.4	2.4%	9331065	9.0	9.0	0.0%
Ni	9331040	7	7	0.0%	9331052	227	232	2.2%	9331055	225	230	2.2%	9331065	93	91	2.2%
P	9331040	< 0.01	< 0.01	0.0%	9331052	0.222	0.228	2.7%	9331055	0.23	0.23	0.0%	9331065	0.034	0.038	11.1%
Pb	9331040	< 5	< 5	0.0%	9331052	51	53	3.8%	9331055	26	23	12.2%	9331065	21	21	0.0%
Pr	9331040	0.24	0.25	4.1%	9331052	8.73	8.91	2.0%	9331055	7.33	7.64	4.1%	9331065	1.70	1.73	1.7%
Rb	9331040	0.71	0.76	6.8%	9331052	9.9	9.9	0.0%	9331055	13.3	13.2	0.8%	9331065	57.4	56.4	1.8%
S	9331040	< 0.01	< 0.01	0.0%	9331052	0.04	0.04	0.0%	9331055	0.02	0.03		9331065	0.19	0.19	0.0%



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Sb	9331040	< 0.1	0.3		9331052	0.4	0.4	0.0%	9331055	0.5	0.5	0.0%	9331065	0.3	0.3	0.0%
Sc	9331040	< 5	< 5	0.0%	9331052	18	18	0.0%	9331055	18	19	5.4%	9331065	49	49	0.0%
Si	9331040	4.52	4.74	4.8%	9331052	24.2	24.5	1.2%	9331055	24.1	24.1	0.0%	9331065	23.6	24.0	1.7%
Sm	9331040	0.2	0.2	0.0%	9331052	8.71	8.54	2.0%	9331055	8.43	8.66	2.7%	9331065	2.74	2.81	2.5%
Sn	9331040	< 1	< 1	0.0%	9331052	2	1		9331055	1	1	0.0%	9331065	< 1	< 1	0.0%
Sr	9331040	55.7	55.8	0.2%	9331052	143	148	3.4%	9331055	105	104	1.0%	9331065	159	160	0.6%
Ta	9331040	< 0.5	< 0.5	0.0%	9331052	< 0.5	< 0.5	0.0%	9331055	< 0.5	< 0.5	0.0%	9331065	< 0.5	< 0.5	0.0%
Tb	9331040	< 0.05	< 0.05	0.0%	9331052	1.01	0.994	1.6%	9331055	1.00	0.943	5.9%	9331065	0.66	0.65	1.5%
Th	9331040	< 0.1	< 0.1	0.0%	9331052	3.6	3.6	0.0%	9331055	3.66	3.52	3.9%	9331065	0.43	0.47	8.9%
Ti	9331040	0.01	0.01	0.0%	9331052	0.601	0.608	1.2%	9331055	0.62	0.62	0.0%	9331065	0.669	0.677	1.2%
Tl	9331040	< 0.5	< 0.5	0.0%	9331052	< 0.5	< 0.5	0.0%	9331055	< 0.5	< 0.5	0.0%	9331065	< 0.5	< 0.5	0.0%
Tm	9331040	< 0.05	< 0.05	0.0%	9331052	0.266	0.260	2.3%	9331055	0.262	0.278	5.9%	9331065	0.409	0.427	4.3%
U	9331040	0.12	0.13	8.0%	9331052	1.08	1.07	0.9%	9331055	1.08	1.12	3.6%	9331065	0.113	0.116	2.6%
V	9331040	5	5	0.0%	9331052	147	153	4.0%	9331055	149	152	2.0%	9331065	320	317	0.9%
W	9331040	< 1	< 1	0.0%	9331052	< 1	< 1	0.0%	9331055	2	2	0.0%	9331065	2	2	0.0%
Y	9331040	2.5	2.6	3.9%	9331052	21.7	21.7	0.0%	9331055	21.9	22.3	1.8%	9331065	23.9	23.9	0.0%
Yb	9331040	0.2	0.2	0.0%	9331052	1.8	1.8	0.0%	9331055	1.8	1.8	0.0%	9331065	2.7	2.8	3.6%
Zn	9331040	< 5	< 5	0.0%	9331052	109	98	10.6%	9331055	63	63	0.0%	9331065	127	133	4.6%
Zr	9331040	2.87	2.65	8.0%	9331052	162	161	0.6%	9331055	162	162	0.0%	9331065	65.3	65.9	0.9%

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9331077	< 1	< 1	0.0%	9331081	< 1	< 1	0.0%	9331089	< 1	< 1	0.0%	9331101	< 1	2	
Al	9331077	8.33	8.39	0.7%	9331081	0.09	0.10	10.5%	9331089	7.24	7.48	3.3%	9331101	0.15	0.15	0.0%
As	9331077	< 5	< 5	0.0%	9331081	< 5	< 5	0.0%	9331089	< 5	< 5	0.0%	9331101	< 5	< 5	0.0%
B	9331077	< 20	< 20	0.0%	9331081	< 20	< 20	0.0%	9331089	< 20	< 20	0.0%	9331101	< 20	< 20	0.0%
Ba	9331077	195	193	1.0%	9331081	17.5	13.9	22.9%	9331089	309	319	3.2%	9331101	17.8	16.6	7.0%
Be	9331077	< 5	< 5	0.0%	9331081	< 5	< 5	0.0%	9331089	< 5	< 5	0.0%	9331101	< 5	< 5	0.0%
Bi	9331077	0.2	0.2	0.0%	9331081	< 0.1	< 0.1	0.0%	9331089	0.4	0.4	0.0%	9331101	< 0.1	< 0.1	0.0%
Ca	9331077	7.13	7.17	0.6%	9331081	30.4	31.8	4.5%	9331089	5.38	5.52	2.6%	9331101	31.6	32.1	1.6%
Cd	9331077	< 0.2	< 0.2	0.0%	9331081	< 0.2	< 0.2	0.0%	9331089	< 0.2	< 0.2	0.0%	9331101	< 0.2	< 0.2	0.0%
Ce	9331077	11.1	11.1	0.0%	9331081	1.4	1.22	13.7%	9331089	10.1	9.64	4.7%	9331101	1.24	1.29	4.0%
Co	9331077	70.6	72.0	2.0%	9331081	1.2	1.4	15.4%	9331089	74.0	75.3	1.7%	9331101	2.0	2.0	0.0%
Cr	9331077	0.021	0.021	0.0%	9331081	< 0.005	< 0.005	0.0%	9331089	0.018	0.018	0.0%	9331101	< 0.005	< 0.005	0.0%
Cs	9331077	1.63	1.67	2.4%	9331081	< 0.1	< 0.1	0.0%	9331089	4.94	5.18	4.7%	9331101	< 0.1	< 0.1	0.0%



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Cu	9331077	290	279	3.9%	9331081	7	6	15.4%	9331089	510	554	8.3%	9331101	8	8	0.0%
Dy	9331077	4.29	4.44	3.4%	9331081	0.30	0.27	10.5%	9331089	4.37	3.93	10.6%	9331101	0.259	0.285	9.6%
Er	9331077	2.74	2.78	1.4%	9331081	0.15	0.17	12.5%	9331089	2.91	2.59	11.6%	9331101	0.18	0.14	25.0%
Eu	9331077	1.02	1.06	3.8%	9331081	0.05	0.06	18.2%	9331089	1.12	0.924	19.2%	9331101	< 0.05	< 0.05	0.0%
Fe	9331077	10.3	10.3	0.0%	9331081	0.16	0.16	0.0%	9331089	13.1	13.3	1.5%	9331101	0.27	0.27	0.0%
Ga	9331077	18.5	18.7	1.1%	9331081	0.27	0.25	7.7%	9331089	16.9	17.3	2.3%	9331101	0.44	0.38	14.6%
Gd	9331077	3.74	3.79	1.3%	9331081	0.32	0.271	16.6%	9331089	3.67	3.24	12.4%	9331101	0.271	0.276	1.8%
Ge	9331077	2	2	0.0%	9331081	1	1	0.0%	9331089	2	2	0.0%	9331101	1	1	0.0%
Hf	9331077	2	2	0.0%	9331081	< 1	< 1	0.0%	9331089	2	2	0.0%	9331101	< 1	< 1	0.0%
Ho	9331077	0.956	0.948	0.8%	9331081	0.07	0.053	24.8%	9331089	1.18	1.02	14.5%	9331101	0.05	0.05	0.0%
In	9331077	< 0.2	< 0.2	0.0%	9331081	< 0.2	< 0.2	0.0%	9331089	< 0.2	< 0.2	0.0%	9331101	< 0.2	< 0.2	0.0%
K	9331077	0.81	0.81	0.0%	9331081	< 0.05	< 0.05	0.0%	9331089	1.34	1.44	7.2%	9331101	< 0.05	< 0.05	0.0%
La	9331077	4.60	4.66	1.3%	9331081	1.4	1.28	6.1%	9331089	4.1	4.0	2.5%	9331101	1.3	1.3	0.0%
Li	9331077	22	21	4.7%	9331081	< 10	< 10	0.0%	9331089	43	47	8.9%	9331101	< 10	< 10	0.0%
Lu	9331077	0.433	0.413	4.7%	9331081	< 0.05	< 0.05	0.0%	9331089	0.62	0.51	19.5%	9331101	< 0.05	< 0.05	0.0%
Mg	9331077	2.67	2.69	0.7%	9331081	2.61	2.80	7.0%	9331089	2.62	2.72	3.7%	9331101	2.33	2.44	4.6%
Mn	9331077	2310	2270	1.7%	9331081	79	85	7.3%	9331089	2370	2430	2.5%	9331101	80	84	4.9%
Mo	9331077	3	3	0.0%	9331081	2	< 2		9331089	6	7	15.4%	9331101	< 2	< 2	0.0%
Nb	9331077	3	3	0.0%	9331081	< 1	< 1	0.0%	9331089	3	3	0.0%	9331101	< 1	< 1	0.0%
Nd	9331077	8.6	8.9	3.4%	9331081	1.1	1.1	0.0%	9331089	8.1	7.5	7.7%	9331101	1.1	1.1	0.0%
Ni	9331077	92	92	0.0%	9331081	< 5	< 5	0.0%	9331089	121	128	5.6%	9331101	< 5	< 5	0.0%
P	9331077	0.032	0.036	11.8%	9331081	< 0.01	< 0.01	0.0%	9331089	0.025	0.030	18.2%	9331101	0.01	0.01	0.0%
Pb	9331077	< 5	< 5	0.0%	9331081	< 5	< 5	0.0%	9331089	< 5	< 5	0.0%	9331101	< 5	< 5	0.0%
Pr	9331077	1.64	1.68	2.4%	9331081	0.27	0.228	15.4%	9331089	1.53	1.43	6.8%	9331101	0.24	0.24	0.0%
Rb	9331077	41.6	42.1	1.2%	9331081	0.4	0.5		9331089	78.9	82.0	3.9%	9331101	0.9	0.8	11.8%
S	9331077	1.31	1.28	2.3%	9331081	< 0.01	< 0.01	0.0%	9331089	2.44	2.60	6.3%	9331101	< 0.01	< 0.01	0.0%
Sb	9331077	0.14	0.16	13.3%	9331081	< 0.1	< 0.1	0.0%	9331089	0.26	0.24	8.0%	9331101	< 0.1	0.2	
Sc	9331077	50	50	0.0%	9331081	< 5	< 5	0.0%	9331089	41	43	4.8%	9331101	< 5	< 5	0.0%
Si	9331077	22.9	22.9	0.0%	9331081	6.51	6.24	4.2%	9331089	21.2	21.9	3.2%	9331101	6.26	6.34	1.3%
Sm	9331077	2.7	2.7	0.0%	9331081	0.2	0.2	0.0%	9331089	2.59	2.41	7.2%	9331101	0.2	0.2	0.0%
Sn	9331077	< 1	1		9331081	< 1	< 1	0.0%	9331089	< 1	< 1	0.0%	9331101	< 1	< 1	0.0%
Sr	9331077	132	128	3.1%	9331081	48.5	47.9	1.2%	9331089	91.3	99.9	9.0%	9331101	47.7	49.1	2.9%
Ta	9331077	< 0.5	< 0.5	0.0%	9331081	< 0.5	< 0.5	0.0%	9331089	< 0.5	< 0.5	0.0%	9331101	< 0.5	< 0.5	0.0%
Tb	9331077	0.672	0.692	2.9%	9331081	0.05	0.05	0.0%	9331089	0.96	0.79	19.4%	9331101	< 0.05	< 0.05	0.0%



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Th	9331077	0.4	0.4	0.0%	9331081	0.1	0.1	0.0%	9331089	0.46	0.40	14.0%	9331101	0.1	0.1	0.0%
Ti	9331077	0.64	0.64	0.0%	9331081	0.02	< 0.01		9331089	0.539	0.556	3.1%	9331101	0.01	0.01	0.0%
Tl	9331077	< 0.5	< 0.5	0.0%	9331081	< 0.5	< 0.5	0.0%	9331089	0.8	0.8	0.0%	9331101	< 0.5	< 0.5	0.0%
Tm	9331077	0.413	0.448	8.1%	9331081	< 0.05	< 0.05	0.0%	9331089	0.68	0.61	10.9%	9331101	< 0.05	< 0.05	0.0%
U	9331077	0.11	0.11	0.0%	9331081	0.14	0.16	13.3%	9331089	0.191	0.142	29.4%	9331101	0.15	0.14	6.9%
V	9331077	333	327	1.8%	9331081	7	< 5		9331089	276	285	3.2%	9331101	< 5	< 5	0.0%
W	9331077	2	2	0.0%	9331081	< 1	< 1	0.0%	9331089	13	12	8.0%	9331101	< 1	< 1	0.0%
Y	9331077	25.0	25.7	2.8%	9331081	2.6	2.3	12.2%	9331089	23.5	24.1	2.5%	9331101	2.44	2.48	1.6%
Yb	9331077	2.9	2.9	0.0%	9331081	0.2	0.1		9331089	3.16	2.74	14.2%	9331101	0.16	0.14	13.3%
Zn	9331077	100	103	3.0%	9331081	< 5	< 5	0.0%	9331089	72	79	9.3%	9331101	< 5	< 5	0.0%
Zr	9331077	63.1	64.5	2.2%	9331081	3.4	2.8	19.4%	9331089	54.9	57.6	4.8%	9331101	2.82	2.91	3.1%



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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	6.01	94%	90% - 110%					6.39	5.68	89%	90% - 110%
Al	10.95	10.95	100%	90% - 110%	4.30	4.33	101%	90% - 110%	10.95	10.65	97%	90% - 110%	4.30	4.11	96%	90% - 110%
Ba	340	325	95%	90% - 110%					340	317	93%	90% - 110%				
Be	2.6	3	114%	90% - 110%					2.6	3	114%	90% - 110%				
Ca	5.72	5.73	100%	90% - 110%	2.21	2.21	100%	90% - 110%	5.72	5.35	93%	90% - 110%	2.21	2.04	92%	90% - 110%
Ce	122	117	96%	90% - 110%					122	125	102%	90% - 110%				
Co	2.8	2.6	94%	90% - 110%	672	683	102%	90% - 110%	2.8	2.6	94%	90% - 110%	672	665	99%	90% - 110%
Cr					0.032	0.033	103%	90% - 110%					0.032	0.031	97%	90% - 110%
Cs	1.5	1.6	108%	90% - 110%					1.5	1.6	110%	90% - 110%				
Cu	7	6	82%	90% - 110%	11850	11555	98%	90% - 110%					11850	10847	92%	90% - 110%
Dy	18.2	17.9	98%	90% - 110%					18.2	19.3	106%	90% - 110%				
Er	14.2	14.6	103%	90% - 110%					14.2	14.8	104%	90% - 110%				
Eu	2.0	2	100%	90% - 110%					2.0	2	101%	90% - 110%				
Fe	4.34	4.47	103%	90% - 110%	25.54	25.25	99%	90% - 110%	4.34	4.29	99%	90% - 110%	25.54	24.3	95%	90% - 110%
Ga	35	37	105%	90% - 110%					35	37	106%	90% - 110%				
Gd	14	15	107%	90% - 110%					14	16	112%	90% - 110%				
Hf	10.6	11	104%	90% - 110%					10.6	11.5	108%	90% - 110%				
Ho	4.3	4.3	100%	90% - 110%					4.3	4.5	106%	90% - 110%				
K	1.37	1.35	99%	90% - 110%					1.37	1.32	96%	90% - 110%				
La	58	55	95%	90% - 110%					58	59	101%	90% - 110%				
Li	37	38	101%	90% - 110%					37	35	95%	90% - 110%				
Lu	2.1	2.2	103%	90% - 110%					2.1	2.2	103%	90% - 110%				
Mg	0.325	0.31	95%	90% - 110%	1.79	1.75	98%	90% - 110%	0.325	0.307	94%	90% - 110%	1.79	1.69	94%	90% - 110%
Mn	836	804	96%	90% - 110%	703	675	96%	90% - 110%	836	800	96%	90% - 110%	703	662	94%	90% - 110%
Nb	13	14	108%	90% - 110%					13	14	108%	90% - 110%				
Nd	57	58	102%	90% - 110%					57	63	110%	90% - 110%				
Ni	9	7	79%	90% - 110%	19530	18547	95%	90% - 110%	9	10	110%	90% - 110%	19530	17883	92%	90% - 110%
Pb	10	9	91%	90% - 110%	58	54	93%	90% - 110%	10	10	95%	90% - 110%	58	58	99%	90% - 110%
Pr	15.0	14.3	95%	90% - 110%					15.0	15.3	102%	90% - 110%				
Rb	55	54	98%	90% - 110%					55	56	103%	90% - 110%				
S					14.14	12.97	91%	90% - 110%					14.14	12.87	91%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	23.3	22.8	98%	90% - 110%	15.23	15.08	99%	90% - 110%	23.3	21.9	94%	90% - 110%	15.23	14.3	94%	90% - 110%
Sm	12.7	12.6	99%	90% - 110%					12.7	13.7	108%	90% - 110%				
Sn	7.1	7.9	112%	90% - 110%					7.1	7.7	108%	90% - 110%				
Sr	1191	1229	103%	90% - 110%					1191	1194	100%	90% - 110%				
Ta	0.9	0.8	88%	90% - 110%					0.9	0.8	90%	90% - 110%				
Tb	2.6	2.8	107%	90% - 110%					2.6	2.8	107%	90% - 110%				
Th	1.4	1.2	85%	90% - 110%					1.4	1.4	100%	90% - 110%				
Ti	0.172	0.17	99%	90% - 110%					0.172	0.164	95%	90% - 110%				
Tm	2.3	2.3	102%	90% - 110%					2.3	2.4	104%	90% - 110%				
U	0.8	0.7	91%	90% - 110%					0.8	1	125%	90% - 110%				
V	8	6	81%	90% - 110%												
Y	119	119	100%	90% - 110%					119	121	102%	90% - 110%				
Yb	14.8	15.4	104%	90% - 110%					14.8	16.1	108%	90% - 110%				
Zn	93	97	104%	90% - 110%	235	249	106%	90% - 110%	93	92	99%	90% - 110%	235	250	106%	90% - 110%
Zr	517	573	110%	90% - 110%					517	551	106%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag					6.39	5.16	81%	90% - 110%								
Al	10.95	11.48	105%	90% - 110%	4.30	4.28	100%	90% - 110%								
As					2.49	1.91	77%	90% - 110%								
Ba	340	338	99%	90% - 110%												
Be	2.6	2.9	112%	90% - 110%												
Ca	5.72	5.73	100%	90% - 110%	2.21	2.16	98%	90% - 110%								
Ce	122	124	102%	90% - 110%												
Co	2.8	2.6	92%	90% - 110%	672	653	97%	90% - 110%								
Cr					0.032	0.032	100%	90% - 110%								
Cs	1.5	1.7	112%	90% - 110%												
Cu					11850	11271	95%	90% - 110%								
Dy	18.2	19	105%	90% - 110%												
Er	14.2	14.6	103%	90% - 110%												
Eu	2.0	2	102%	90% - 110%												
Fe	4.34	4.63	107%	90% - 110%	25.54	25.4	99%	90% - 110%								
Ga	35	37	106%	90% - 110%												
Gd	14	16	111%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Hf	10.6	11.2	106%	90% - 110%																
Ho	4.3	4.5	105%	90% - 110%																
K	1.37	1.4	102%	90% - 110%																
La	58	59	102%	90% - 110%																
Li	37	39	105%	90% - 110%																
Lu	2.1	2.1	102%	90% - 110%																
Mg	0.325	0.317	98%	90% - 110%	1.79	1.8	100%	90% - 110%												
Mn	836	818	98%	90% - 110%	703	686	98%	90% - 110%												
Nb	13	14	108%	90% - 110%																
Nd	57	62	109%	90% - 110%																
Ni	9	9	96%	90% - 110%	19530	18236	93%	90% - 110%												
Pb	10	10	96%	90% - 110%	58	64	110%	90% - 110%												
Pr	15.0	14.9	99%	90% - 110%																
Rb	55	56	101%	90% - 110%																
S					14.14	13.08	92%	90% - 110%												
Si	23.3	23.5	101%	90% - 110%	15.23	14.73	97%	90% - 110%												
Sm	12.7	13.3	105%	90% - 110%																
Sn	7.1	7.7	109%	90% - 110%																
Sr	1191	1170	98%	90% - 110%																
Ta	0.9	0.8	91%	90% - 110%																
Tb	2.6	2.9	110%	90% - 110%																
Th	1.4	1.2	89%	90% - 110%																
Ti	0.172	0.172	100%	90% - 110%																
Tm	2.3	2.3	102%	90% - 110%																
U	0.8	0.9	113%	90% - 110%																
V	8	7	82%	90% - 110%																
Y	119	123	103%	90% - 110%																
Yb	14.8	15.9	107%	90% - 110%																
Zn	93	97	104%	90% - 110%	235	237	101%	90% - 110%												
Zr	517	561	108%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-128B
 SAMPLING SITE:

AGAT WORK ORDER: 18T350771
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-128B
SAMPLING SITE:

AGAT WORK ORDER: 18T350771
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-128C

AGAT WORK ORDER: 18T350772

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 26, 2018

PAGES (INCLUDING COVER): 38

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 26, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563793 (9331106)		2.53
E6563794 (9331107)		2.42
E6563795 (9331108)		2.82
E6563796 (9331109)		2.53
E6563797 (9331110)		2.43
E6563798 (9331111)		1.15
E6563799 (9331112)		1.22
E6563800 (9331113)		2.47
E6563801 (9331114)		1.32
E6563802 (9331115)		1.36
E6563803 (9331116)		2.81
E6563804 (9331117)		2.89
E6563805 (9331118)		2.64
E6563806 (9331119)		0.01
E6563807 (9331120)		2.77
E6563808 (9331121)		2.81
E6563809 (9331122)		3.24
E6563810 (9331123)		3.28
E6563811 (9331124)		2.78
E6563812 (9331125)		2.21
E6563813 (9331126)		2.85
E6563814 (9331127)		2.65
E6563815 (9331128)		2.80
E6563816 (9331129)		2.97
E6563817 (9331130)		3.52
E6563818 (9331131)		3.52
E6563819 (9331132)		2.83
E6563820 (9331133)		2.45
E6563821 (9331134)		3.36
E6563822 (9331135)		2.82
E6563823 (9331136)		2.93

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 26, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563824 (9331137)		2.85
E6563825 (9331138)		3.21
E6563826 (9331139)		0.01
E6563827 (9331140)		2.76
E6563828 (9331141)		2.73
E6563829 (9331142)		2.94
E6563830 (9331143)		3.05
E6563831 (9331144)		2.89
E6563832 (9331145)		1.87
E6563833 (9331146)		2.96
E6563834 (9331147)		2.70
E6563835 (9331148)		1.16
E6563836 (9331149)		1.86
E6563837 (9331150)		2.39
E6563838 (9331151)		0.01
E6563839 (9331152)		2.94
E6563840 (9331153)		2.87
E6563841 (9331154)		2.98
E6563842 (9331155)		2.98
E6563843 (9331156)		2.47
E6563844 (9331157)		2.51
E6563845 (9331158)		2.55
E6563846 (9331159)		0.01
E6563847 (9331160)		1.79
E6563848 (9331161)		1.36
E6563849 (9331162)		2.67
E6563850 (9331163)		3.20
E6563851 (9331164)		3.30
E6563852 (9331165)		1.38
E6563853 (9331166)		1.55
E6563854 (9331167)		1.86

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 26, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563855 (9331168)		1.96
E6563856 (9331169)		2.49
E6563857 (9331170)		2.20
E6563858 (9331171)		2.20
E6563859 (9331172)		1.67
E6563860 (9331173)		2.42
E6563861 (9331174)		2.39
E6563862 (9331175)		2.41
E6563863 (9331176)		2.59
E6563864 (9331177)		3.20
E6563865 (9331178)		2.77
E6563866 (9331179)		0.01
E6563867 (9331180)		3.10
E6563868 (9331181)		2.71
E6563869 (9331182)		2.97
E6563870 (9331183)		2.51
E6563871 (9331184)		2.44
E6563872 (9331185)		1.55
E6563873 (9331186)		2.32
E6563874 (9331187)		2.72
E6563875 (9331188)		2.40
E6563876 (9331189)		2.70
E6563877 (9331190)		2.80
E6563878 (9331191)		2.80
E6563879 (9331192)		2.67
E6563880 (9331193)		2.94
E6563881 (9331194)		2.77
E6563882 (9331195)		2.82
E6563883 (9331196)		2.66
E6563884 (9331197)		2.63
E6563885 (9331198)		2.90

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Jul 26, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6563886 (9331199)		0.01
E6563887 (9331200)		2.65
E6563888 (9331201)		2.61
E6563893 (9331202)		2.74

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563793 (9331106)	<1	7.79	8	<20	234	<5	0.8	8.36	<0.2	13.2	48.5	0.022	0.2	84	
E6563794 (9331107)	<1	8.46	<5	<20	139	<5	0.3	6.59	<0.2	10.2	46.3	0.025	0.6	29	
E6563795 (9331108)	<1	7.97	<5	20	241	<5	0.2	7.33	<0.2	10.5	50.1	0.022	0.4	78	
E6563796 (9331109)	<1	8.36	<5	21	261	<5	0.2	5.81	<0.2	10.3	43.6	0.022	0.5	24	
E6563797 (9331110)	<1	7.86	<5	<20	178	<5	0.1	8.87	<0.2	34.9	37.4	0.023	0.2	43	
E6563798 (9331111)	<1	7.92	<5	<20	163	<5	0.3	9.25	<0.2	35.5	37.9	0.022	0.2	61	
E6563799 (9331112)	<1	8.19	<5	<20	242	<5	0.2	7.85	<0.2	10.9	47.0	0.024	0.3	39	
E6563800 (9331113)	<1	7.45	<5	22	242	<5	0.3	8.97	<0.2	10.6	53.1	0.022	0.3	41	
E6563801 (9331114)	<1	6.77	<5	<20	187	<5	0.3	6.23	<0.2	128	46.0	0.033	0.6	56	
E6563802 (9331115)	<1	6.98	<5	<20	210	<5	0.3	9.03	<0.2	14.9	78.4	0.019	0.2	108	
E6563803 (9331116)	<1	8.07	<5	23	289	<5	0.2	7.35	<0.2	11.1	52.6	0.023	0.4	43	
E6563804 (9331117)	<1	7.18	<5	23	166	<5	0.4	9.03	<0.2	11.0	71.6	0.019	0.2	222	
E6563805 (9331118)	<1	7.38	<5	21	193	<5	0.1	9.07	<0.2	10.0	55.1	0.021	0.3	76	
E6563806 (9331119)	<1	4.65	545	104	175	<5	7.9	4.28	<0.2	74.9	981	0.006	2.8	3050	
E6563807 (9331120)	<1	7.74	<5	21	179	<5	0.9	7.70	<0.2	9.7	54.4	0.021	0.3	83	
E6563808 (9331121)	<1	8.25	<5	28	154	<5	0.4	7.53	<0.2	14.9	56.9	0.021	0.2	134	
E6563809 (9331122)	<1	8.15	<5	20	209	<5	0.3	7.69	0.3	11.3	45.6	0.021	0.5	60	
E6563810 (9331123)	<1	7.80	<5	<20	135	<5	0.2	7.75	<0.2	10.9	73.8	0.020	0.6	449	
E6563811 (9331124)	<1	8.15	<5	<20	124	<5	0.3	7.62	<0.2	10.3	47.8	0.022	0.6	98	
E6563812 (9331125)	<1	0.09	<5	<20	14.8	<5	0.2	33.7	<0.2	1.3	1.1	<0.005	0.1	7	
E6563813 (9331126)	<1	7.92	<5	<20	90.4	<5	0.3	8.31	<0.2	10.3	45.8	0.021	0.3	58	
E6563814 (9331127)	<1	8.18	<5	28	114	<5	0.2	8.38	<0.2	10.4	49.2	0.022	0.4	114	
E6563815 (9331128)	<1	8.21	<5	<20	153	<5	0.2	6.95	<0.2	9.6	44.6	0.021	0.6	26	
E6563816 (9331129)	<1	7.99	<5	23	154	<5	0.3	8.21	<0.2	9.5	56.2	0.020	0.5	62	
E6563817 (9331130)	<1	8.26	<5	<20	129	<5	0.3	7.97	<0.2	10.1	62.6	0.021	0.5	167	
E6563818 (9331131)	<1	8.34	<5	<20	135	<5	0.2	7.94	<0.2	10.2	62.9	0.021	0.4	171	
E6563819 (9331132)	<1	8.33	<5	22	163	<5	0.3	7.14	<0.2	10.1	78.8	0.020	1.4	268	
E6563820 (9331133)	<1	8.23	<5	<20	259	<5	0.2	7.51	<0.2	22.5	46.9	0.024	0.6	87	
E6563821 (9331134)	<1	8.85	<5	<20	313	<5	0.2	8.66	<0.2	18.8	57.9	0.021	0.6	578	
E6563822 (9331135)	<1	7.49	<5	<20	234	<5	0.3	7.70	<0.2	30.3	60.4	0.030	0.6	151	
E6563823 (9331136)	<1	8.64	<5	<20	166	<5	0.2	8.24	<0.2	10.4	45.0	0.022	0.6	53	
E6563824 (9331137)	<1	8.47	<5	<20	122	<5	0.1	7.90	<0.2	9.0	56.8	0.022	0.6	33	

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Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563825 (9331138)	<1	8.40	<5	<20	146	<5	<0.1	6.73	<0.2	8.9	43.5	0.021	0.6	31	
E6563826 (9331139)	<1	4.56	538	106	176	<5	8.1	4.13	<0.2	75.3	977	0.006	2.8	3060	
E6563827 (9331140)	<1	7.94	<5	<20	169	<5	0.3	6.87	0.4	10.9	72.3	0.019	0.5	185	
E6563828 (9331141)	<1	8.43	<5	<20	191	<5	0.2	7.06	<0.2	10.2	66.2	0.020	0.8	121	
E6563829 (9331142)	<1	8.87	<5	24	142	<5	0.1	7.89	<0.2	10.1	46.8	0.022	0.6	44	
E6563830 (9331143)	<1	8.63	<5	26	98.8	<5	0.1	8.34	<0.2	9.5	38.6	0.021	0.3	25	
E6563831 (9331144)	<1	8.23	<5	25	97.8	<5	0.2	7.69	<0.2	9.1	57.8	0.020	0.5	110	
E6563832 (9331145)	<1	0.14	<5	<20	16.2	<5	0.1	32.4	<0.2	1.3	1.6	<0.005	0.1	7	
E6563833 (9331146)	<1	7.61	<5	21	93.5	<5	0.2	7.86	<0.2	9.1	58.9	0.018	0.5	161	
E6563834 (9331147)	<1	8.27	<5	23	121	<5	0.1	7.69	<0.2	9.4	55.5	0.021	0.6	103	
E6563835 (9331148)	<1	8.23	<5	22	138	<5	0.2	7.51	<0.2	14.5	48.4	0.020	0.7	116	
E6563836 (9331149)	<1	8.10	<5	20	170	<5	0.3	7.49	<0.2	17.3	46.1	0.020	0.5	123	
E6563837 (9331150)	<1	7.89	<5	<20	107	<5	0.2	7.23	<0.2	15.8	63.5	0.022	0.3	173	
E6563838 (9331151)	<1	4.55	556	105	176	<5	8.1	4.16	<0.2	71.9	987	0.006	2.8	3050	
E6563839 (9331152)	<1	8.17	<5	<20	188	<5	0.9	7.49	<0.2	11.5	48.5	0.021	0.4	156	
E6563840 (9331153)	<1	8.18	<5	<20	322	<5	0.4	7.25	<0.2	10.6	52.0	0.022	0.5	169	
E6563841 (9331154)	<1	8.19	<5	<20	301	<5	0.4	8.14	<0.2	10.5	59.4	0.022	0.5	122	
E6563842 (9331155)	<1	8.04	<5	<20	303	<5	0.5	7.00	<0.2	10.3	73.4	0.021	0.5	148	
E6563843 (9331156)	<1	8.21	<5	<20	240	<5	0.4	6.69	<0.2	10.8	64.7	0.022	0.7	130	
E6563844 (9331157)	<1	7.89	<5	<20	387	<5	0.3	7.33	<0.2	12.2	63.7	0.022	0.7	153	
E6563845 (9331158)	<1	7.66	<5	<20	367	<5	0.4	6.63	<0.2	19.3	62.3	0.027	0.9	129	
E6563846 (9331159)	<1	4.48	537	102	172	<5	8.0	4.17	<0.2	74.7	993	0.006	2.6	3050	
E6563847 (9331160)	<1	7.09	<5	<20	468	<5	0.9	6.64	1.2	31.7	55.4	0.033	1.2	159	
E6563848 (9331161)	<1	7.98	6	<20	462	<5	0.7	6.32	0.5	10.6	66.5	0.021	0.8	224	
E6563849 (9331162)	<1	8.20	<5	<20	363	<5	0.5	6.84	0.5	11.1	66.0	0.022	1.0	161	
E6563850 (9331163)	<1	8.32	<5	<20	274	<5	0.3	6.46	<0.2	10.3	63.5	0.022	0.7	120	
E6563851 (9331164)	<1	8.06	<5	<20	271	<5	0.3	8.42	<0.2	10.8	67.4	0.023	0.5	168	
E6563852 (9331165)	<1	0.11	<5	<20	18.0	<5	0.2	32.6	<0.2	1.1	1.4	<0.005	<0.1	10	
E6563853 (9331166)	<1	7.12	<5	<20	286	<5	0.3	9.30	<0.2	10.0	58.8	0.023	0.8	199	
E6563854 (9331167)	<1	8.51	<5	<20	574	<5	0.3	7.47	<0.2	13.1	58.9	0.024	0.7	204	
E6563855 (9331168)	<1	6.33	<5	<20	335	<5	0.2	7.77	<0.2	62.3	36.3	0.040	0.7	82	
E6563856 (9331169)	<1	7.34	5	<20	387	<5	0.5	6.46	<0.2	37.7	52.6	0.023	0.6	236	

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PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563857 (9331170)	<1	7.80	<5	<20	494	<5	0.6	6.51	<0.2	13.4	60.6	0.021	1.0	158	
E6563858 (9331171)	<1	7.82	<5	<20	492	<5	0.6	6.62	<0.2	13.3	60.4	0.021	1.0	149	
E6563859 (9331172)	<1	7.11	<5	<20	797	<5	0.4	6.70	<0.2	32.0	51.8	0.028	1.9	136	
E6563860 (9331173)	<1	7.26	<5	<20	600	<5	0.3	7.64	<0.2	25.2	53.8	0.026	1.4	121	
E6563861 (9331174)	<1	6.45	<5	<20	573	<5	0.3	6.97	<0.2	47.1	51.6	0.039	1.3	92	
E6563862 (9331175)	<1	7.48	<5	<20	313	<5	0.2	6.82	<0.2	12.6	57.6	0.023	1.1	148	
E6563863 (9331176)	<1	7.80	<5	<20	357	<5	0.2	6.57	<0.2	10.8	54.1	0.022	1.4	154	
E6563864 (9331177)	<1	7.78	<5	<20	238	<5	0.3	6.89	<0.2	14.4	54.1	0.021	0.9	106	
E6563865 (9331178)	<1	7.84	<5	25	262	<5	0.2	7.88	<0.2	12.0	59.1	0.021	1.2	136	
E6563866 (9331179)	<1	4.38	568	105	174	<5	8.1	4.02	<0.2	77.9	987	0.006	2.9	3080	
E6563867 (9331180)	<1	7.19	<5	<20	162	<5	0.9	8.85	<0.2	10.4	60.8	0.021	0.3	190	
E6563868 (9331181)	<1	7.69	<5	21	245	<5	0.6	7.51	<0.2	10.4	52.9	0.021	0.6	153	
E6563869 (9331182)	<1	7.47	<5	22	277	<5	0.6	8.02	<0.2	11.0	58.9	0.022	0.4	158	
E6563870 (9331183)	<1	7.49	7	<20	398	<5	0.5	7.51	<0.2	10.0	62.5	0.021	0.4	127	
E6563871 (9331184)	<1	7.87	8	<20	1060	<5	0.5	7.64	<0.2	14.4	60.7	0.023	0.5	152	
E6563872 (9331185)	<1	0.13	<5	<20	23.8	<5	0.2	33.8	<0.2	1.3	1.4	<0.005	<0.1	8	
E6563873 (9331186)	<1	5.32	76	<20	514	<5	0.3	7.98	<0.2	44.5	49.1	0.080	1.1	22	
E6563874 (9331187)	<1	5.54	<5	<20	811	<5	0.2	7.31	<0.2	64.7	42.1	0.080	1.1	29	
E6563875 (9331188)	<1	5.65	<5	<20	1240	<5	<0.1	5.17	<0.2	44.2	49.0	0.089	2.2	14	
E6563876 (9331189)	<1	5.64	<5	<20	787	<5	0.1	5.07	<0.2	49.6	47.7	0.088	2.7	14	
E6563877 (9331190)	<1	7.69	7	<20	1310	<5	0.4	7.47	<0.2	13.9	76.1	0.022	0.8	176	
E6563878 (9331191)	<1	7.63	5	<20	1330	<5	0.5	7.54	<0.2	13.1	69.3	0.022	0.7	179	
E6563879 (9331192)	<1	7.92	<5	<20	1200	<5	0.4	6.86	<0.2	11.4	54.2	0.022	0.5	128	
E6563880 (9331193)	<1	7.94	<5	23	525	<5	0.3	7.50	<0.2	10.5	60.4	0.021	0.5	114	
E6563881 (9331194)	<1	7.78	<5	24	475	<5	0.3	7.66	<0.2	18.7	57.3	0.025	0.7	246	
E6563882 (9331195)	<1	7.59	14	<20	357	<5	0.4	6.88	<0.2	14.3	52.9	0.021	0.5	148	
E6563883 (9331196)	<1	7.70	<5	<20	283	<5	0.3	7.48	<0.2	10.9	56.6	0.020	0.4	129	
E6563884 (9331197)	<1	7.78	<5	<20	364	<5	0.4	6.40	<0.2	17.3	51.9	0.022	1.2	185	
E6563885 (9331198)	<1	6.69	<5	<20	621	<5	0.4	4.71	<0.2	43.3	36.1	0.041	0.5	34	
E6563886 (9331199)	<1	4.40	569	103	169	<5	8.1	4.05	<0.2	75.4	982	0.006	2.8	3070	
E6563887 (9331200)	<1	6.72	<5	<20	638	<5	0.8	4.79	<0.2	43.1	35.0	0.042	0.6	24	
E6563888 (9331201)	<1	6.84	<5	<20	502	<5	0.5	4.61	<0.2	42.5	35.6	0.041	0.4	31	

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5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018		DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu		
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm		
Sample ID (AGAT ID)	RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563893 (9331202)	<1	5.64	<5	<20	423	<5	0.2	5.82	<0.2	35.7	46.1	0.081	1.5	14		

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DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563793 (9331106)	4.12	2.62	1.28	8.87	16.9	3.58	2	2	0.89	0.3	0.63	6.5	<10	0.40	
E6563794 (9331107)	3.62	2.37	0.98	7.45	18.8	3.35	1	2	0.79	0.3	0.55	4.1	15	0.36	
E6563795 (9331108)	3.86	2.50	1.00	8.18	17.1	3.37	2	2	0.82	<0.2	0.67	4.1	12	0.37	
E6563796 (9331109)	3.61	2.32	0.97	7.10	17.5	3.28	1	2	0.78	0.2	0.74	4.3	17	0.34	
E6563797 (9331110)	3.83	2.35	1.44	8.16	19.5	3.96	2	2	0.78	<0.2	0.43	16.8	<10	0.34	
E6563798 (9331111)	3.82	2.41	1.37	8.46	19.8	4.02	2	2	0.82	0.3	0.39	17.6	<10	0.35	
E6563799 (9331112)	3.90	2.39	0.94	7.95	18.4	3.46	2	2	0.82	<0.2	0.68	4.4	<10	0.37	
E6563800 (9331113)	4.00	2.73	0.93	9.70	16.6	3.37	2	2	0.87	0.5	0.75	4.7	<10	0.41	
E6563801 (9331114)	3.64	1.93	1.97	7.62	16.5	6.56	2	3	0.68	0.3	0.35	64.6	27	0.26	
E6563802 (9331115)	4.02	2.74	1.02	10.3	16.8	3.33	3	2	0.89	0.3	0.47	9.0	<10	0.45	
E6563803 (9331116)	4.04	2.70	0.96	8.04	17.3	3.38	2	2	0.86	0.2	0.91	4.9	12	0.40	
E6563804 (9331117)	4.25	2.94	1.01	10.4	16.0	3.44	2	2	0.92	0.3	0.49	4.7	<10	0.47	
E6563805 (9331118)	4.11	2.62	0.97	10.0	17.1	3.24	2	2	0.88	<0.2	0.49	4.0	<10	0.42	
E6563806 (9331119)	3.32	1.92	1.04	3.39	11.5	4.34	2	5	0.66	0.5	3.42	38.3	<10	0.31	
E6563807 (9331120)	3.80	2.45	0.88	9.22	15.7	3.40	2	2	0.84	0.2	0.52	3.8	12	0.38	
E6563808 (9331121)	3.73	2.34	1.25	8.38	17.0	3.32	2	2	0.78	<0.2	0.49	6.6	<10	0.36	
E6563809 (9331122)	3.91	2.54	1.25	8.42	17.3	3.43	2	2	0.87	<0.2	0.83	4.5	16	0.40	
E6563810 (9331123)	3.83	2.62	0.93	10.3	17.2	3.48	2	2	0.84	<0.2	0.57	4.6	13	0.40	
E6563811 (9331124)	3.94	2.63	1.04	8.63	17.8	3.48	2	2	0.90	0.3	0.56	4.2	14	0.40	
E6563812 (9331125)	0.30	0.19	0.12	0.14	0.17	0.33	1	<1	0.09	0.3	<0.05	1.3	<10	<0.05	
E6563813 (9331126)	3.94	2.58	0.98	8.47	17.5	3.39	2	2	0.83	0.3	0.39	4.1	<10	0.41	
E6563814 (9331127)	3.68	2.39	0.97	7.67	17.5	3.30	2	2	0.83	<0.2	0.48	4.2	<10	0.38	
E6563815 (9331128)	3.52	2.32	0.84	7.22	17.3	2.97	2	2	0.77	0.3	0.67	3.8	19	0.36	
E6563816 (9331129)	3.47	2.27	0.87	8.57	17.2	3.00	2	2	0.77	0.3	0.73	3.9	15	0.35	
E6563817 (9331130)	3.82	2.41	0.85	9.51	17.8	3.18	2	2	0.84	0.2	0.50	4.2	11	0.39	
E6563818 (9331131)	3.68	2.57	0.87	9.47	17.2	3.17	2	2	0.81	<0.2	0.52	4.1	14	0.38	
E6563819 (9331132)	3.55	2.19	0.78	9.79	17.9	3.14	2	2	0.78	<0.2	0.61	4.3	17	0.37	
E6563820 (9331133)	3.77	2.25	1.26	7.71	18.3	4.08	2	2	0.75	<0.2	0.78	9.3	16	0.32	
E6563821 (9331134)	3.35	2.12	1.05	7.40	20.9	3.13	2	2	0.73	<0.2	0.90	6.3	12	0.34	
E6563822 (9331135)	3.89	2.34	1.34	8.75	17.5	4.77	2	2	0.83	0.2	0.61	12.9	20	0.35	
E6563823 (9331136)	3.25	2.14	0.90	7.07	18.0	3.02	2	2	0.71	0.2	0.64	4.4	15	0.31	
E6563824 (9331137)	3.15	2.15	0.78	7.04	18.0	2.78	2	2	0.70	<0.2	0.59	3.6	16	0.30	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 26, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6563825 (9331138)		3.14	2.03	0.80	6.44	16.5	2.76	1	2	0.68	<0.2	0.57	3.6	23	0.30
E6563826 (9331139)		3.25	1.93	1.01	3.35	12.0	4.24	2	5	0.66	0.5	3.36	38.3	<10	0.30
E6563827 (9331140)		3.50	2.29	0.85	8.13	16.2	2.94	2	2	0.70	0.3	0.74	4.6	31	0.33
E6563828 (9331141)		3.40	2.26	0.80	7.40	17.7	2.86	2	2	0.76	<0.2	0.86	4.3	26	0.33
E6563829 (9331142)		3.31	2.11	0.85	6.36	18.5	2.82	2	2	0.68	<0.2	0.71	4.3	18	0.29
E6563830 (9331143)		3.25	2.05	0.92	6.30	18.5	2.89	2	2	0.71	<0.2	0.47	3.8	18	0.33
E6563831 (9331144)		3.46	2.21	0.79	7.90	17.0	3.08	2	2	0.73	<0.2	0.63	3.5	20	0.36
E6563832 (9331145)		0.26	0.20	0.10	0.18	0.24	0.29	1	<1	0.09	<0.2	<0.05	1.4	<10	<0.05
E6563833 (9331146)		3.35	2.20	0.84	7.77	16.4	2.98	2	2	0.76	0.2	0.59	3.7	18	0.35
E6563834 (9331147)		3.57	2.19	0.83	7.67	17.1	3.07	2	2	0.74	<0.2	0.71	3.8	20	0.33
E6563835 (9331148)		3.54	2.29	0.90	7.12	18.0	3.38	2	2	0.76	<0.2	0.77	6.1	17	0.33
E6563836 (9331149)		3.47	2.18	1.06	7.06	18.3	3.49	2	2	0.78	0.3	0.68	7.6	18	0.33
E6563837 (9331150)		3.77	2.43	1.03	7.11	18.5	3.61	2	2	0.79	<0.2	0.37	6.7	12	0.34
E6563838 (9331151)		3.16	1.94	1.00	3.37	11.9	4.24	2	5	0.67	0.4	3.36	37.0	<10	0.31
E6563839 (9331152)		3.84	2.42	0.98	7.20	18.6	3.57	2	2	0.82	0.2	0.60	4.9	12	0.35
E6563840 (9331153)		3.71	2.41	1.00	7.56	17.9	3.25	2	2	0.80	<0.2	0.71	4.2	14	0.35
E6563841 (9331154)		4.02	2.59	1.02	8.46	18.7	3.47	2	2	0.88	0.3	0.59	4.2	13	0.40
E6563842 (9331155)		3.84	2.45	0.92	8.65	16.9	3.21	1	2	0.83	<0.2	0.67	4.4	15	0.37
E6563843 (9331156)		3.98	2.63	0.93	8.11	17.7	3.43	1	2	0.85	<0.2	0.55	4.3	13	0.40
E6563844 (9331157)		3.83	2.42	1.09	8.16	17.5	3.44	1	2	0.83	0.2	0.75	5.1	13	0.36
E6563845 (9331158)		3.87	2.26	1.13	7.72	17.7	3.99	1	2	0.78	0.3	0.81	8.0	19	0.35
E6563846 (9331159)		3.05	1.92	0.94	3.27	11.3	4.31	1	4	0.62	0.4	3.29	37.6	<10	0.30
E6563847 (9331160)		4.04	2.25	1.39	8.15	16.8	4.76	1	2	0.81	<0.2	0.81	13.0	26	0.33
E6563848 (9331161)		3.81	2.47	0.98	7.51	16.9	3.28	1	2	0.83	0.2	0.92	4.3	18	0.38
E6563849 (9331162)		3.99	2.66	1.03	7.49	19.1	3.42	2	2	0.87	0.3	0.83	4.6	14	0.37
E6563850 (9331163)		3.88	2.44	0.96	7.30	17.8	3.28	1	2	0.84	0.2	0.64	4.0	14	0.37
E6563851 (9331164)		3.97	2.72	0.95	8.55	18.9	3.57	2	2	0.91	0.2	0.55	4.2	10	0.40
E6563852 (9331165)		0.23	0.14	0.08	0.17	0.16	0.24	1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05
E6563853 (9331166)		3.60	2.46	0.89	9.13	17.1	3.19	2	2	0.81	0.2	0.62	4.0	14	0.37
E6563854 (9331167)		3.70	2.40	0.98	7.63	19.1	3.41	2	2	0.81	<0.2	1.15	5.5	15	0.35
E6563855 (9331168)		4.36	2.09	2.02	8.55	18.7	6.55	2	3	0.78	0.2	0.52	27.8	30	0.27
E6563856 (9331169)		4.02	2.30	1.45	7.52	17.3	5.09	2	3	0.83	0.3	0.80	16.9	14	0.32

Certified By:



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AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563857 (9331170)	3.76	2.44	0.99	8.11	17.1	3.44	2	2	0.80	0.3	1.03	6.2	14	0.37	
E6563858 (9331171)	3.61	2.43	1.36	8.20	16.8	3.25	1	2	0.81	0.2	1.02	6.0	14	0.36	
E6563859 (9331172)	4.11	2.44	1.45	7.69	18.2	4.75	2	2	0.82	0.2	1.28	13.9	20	0.33	
E6563860 (9331173)	3.75	2.39	1.24	8.00	17.5	4.27	2	2	0.78	<0.2	1.13	11.0	17	0.33	
E6563861 (9331174)	4.21	2.29	1.83	8.11	16.3	5.92	2	3	0.83	0.2	0.81	21.0	30	0.33	
E6563862 (9331175)	3.70	2.31	0.86	7.95	16.3	3.28	1	2	0.77	<0.2	0.74	5.3	15	0.35	
E6563863 (9331176)	3.66	2.40	0.94	7.89	17.1	3.21	2	2	0.80	<0.2	0.94	4.5	17	0.35	
E6563864 (9331177)	3.74	2.40	0.95	8.01	17.4	3.53	1	2	0.80	<0.2	0.65	5.9	13	0.35	
E6563865 (9331178)	3.56	2.45	0.86	8.38	17.9	3.39	2	2	0.80	<0.2	0.69	5.0	12	0.34	
E6563866 (9331179)	3.23	1.83	0.99	3.19	12.0	4.59	2	5	0.65	0.5	3.34	40.2	<10	0.29	
E6563867 (9331180)	3.81	2.49	0.89	8.90	16.6	3.18	2	2	0.81	0.2	0.39	4.3	<10	0.41	
E6563868 (9331181)	3.82	2.33	0.89	7.85	17.6	3.21	2	2	0.82	0.3	0.56	4.2	11	0.37	
E6563869 (9331182)	3.61	2.48	1.03	8.34	17.1	3.37	2	2	0.81	0.3	0.53	4.7	<10	0.39	
E6563870 (9331183)	3.55	2.33	0.90	8.07	16.6	3.15	1	2	0.78	<0.2	0.74	4.1	<10	0.36	
E6563871 (9331184)	3.63	2.41	1.21	7.85	17.2	3.51	2	2	0.83	<0.2	1.35	6.2	11	0.36	
E6563872 (9331185)	0.26	0.20	0.08	0.18	0.21	0.32	<1	<1	0.07	<0.2	<0.05	1.4	<10	<0.05	
E6563873 (9331186)	2.72	1.51	1.43	6.60	12.8	4.21	1	2	0.52	<0.2	1.37	20.6	45	0.22	
E6563874 (9331187)	3.04	1.58	1.70	6.65	13.1	4.68	1	2	0.59	0.2	1.44	34.0	50	0.22	
E6563875 (9331188)	2.68	1.50	1.23	6.08	14.2	3.97	1	3	0.52	<0.2	2.08	20.9	65	0.22	
E6563876 (9331189)	2.82	1.42	1.24	5.76	14.4	4.20	1	2	0.53	<0.2	1.34	23.5	66	0.23	
E6563877 (9331190)	3.79	2.48	1.15	7.85	18.1	3.33	2	2	0.83	<0.2	1.72	6.4	14	0.38	
E6563878 (9331191)	3.73	2.39	1.05	7.75	17.7	3.28	2	2	0.80	0.2	1.72	6.0	13	0.38	
E6563879 (9331192)	3.80	2.36	1.05	7.47	16.7	3.18	1	2	0.81	<0.2	1.66	5.1	14	0.35	
E6563880 (9331193)	3.73	2.45	0.93	7.94	17.8	3.29	2	2	0.84	<0.2	1.13	4.5	<10	0.36	
E6563881 (9331194)	3.94	2.40	1.12	8.50	18.8	3.87	2	2	0.84	<0.2	0.98	8.3	16	0.38	
E6563882 (9331195)	3.81	2.47	0.95	8.56	17.0	3.44	2	2	0.82	0.2	0.90	6.5	12	0.37	
E6563883 (9331196)	3.95	2.58	0.95	9.25	19.3	3.37	2	2	0.83	<0.2	0.79	4.7	11	0.37	
E6563884 (9331197)	3.77	2.36	0.99	8.20	17.8	3.40	1	2	0.82	0.2	0.96	9.4	12	0.38	
E6563885 (9331198)	3.12	1.78	1.42	5.93	16.3	4.46	1	3	0.62	0.3	1.43	19.7	17	0.25	
E6563886 (9331199)	3.37	1.95	0.98	3.17	11.9	4.34	2	4	0.66	0.4	3.35	38.0	10	0.31	
E6563887 (9331200)	2.98	1.67	1.33	5.83	16.2	4.39	1	3	0.62	0.3	1.53	19.9	15	0.25	
E6563888 (9331201)	3.09	1.76	1.36	5.89	17.3	4.31	1	3	0.61	0.2	1.11	19.0	15	0.22	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 26, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:													
E6563893 (9331202)	2.55	1.44	0.83	7.83	14.5	3.86	1	3	0.49	<0.2	1.46	16.1	55	0.22

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563793 (9331106)	2.70	2120	5	2	9.1	109	0.04	7	1.92	19.5	0.31	0.9	48	21.3	
E6563794 (9331107)	2.62	1980	6	2	8.0	113	0.04	<5	1.64	23.2	0.10	0.2	42	23.2	
E6563795 (9331108)	2.60	2210	9	2	8.1	107	0.04	5	1.60	28.4	0.28	0.5	44	22.7	
E6563796 (9331109)	2.45	1980	5	2	7.6	101	0.04	<5	1.59	33.6	0.07	0.3	44	23.3	
E6563797 (9331110)	2.75	1890	4	2	18.0	109	0.06	6	4.31	15.3	0.21	0.8	41	21.1	
E6563798 (9331111)	2.80	1910	4	2	18.1	113	0.06	6	4.57	13.1	0.25	1.0	41	21.6	
E6563799 (9331112)	2.46	2100	8	1	8.0	121	0.04	<5	1.66	27.7	0.23	0.3	46	22.3	
E6563800 (9331113)	2.94	2590	7	1	7.9	127	0.04	7	1.65	33.4	0.28	0.3	46	21.4	
E6563801 (9331114)	5.09	1910	5	3	57.0	238	0.13	22	14.9	12.3	0.30	0.3	28	22.5	
E6563802 (9331115)	3.82	2650	6	1	9.5	135	0.04	17	2.02	16.3	0.75	0.5	46	20.9	
E6563803 (9331116)	2.59	2080	6	1	8.4	118	0.04	9	1.65	44.3	0.22	0.3	48	22.2	
E6563804 (9331117)	3.17	2450	6	1	8.3	117	0.03	<5	1.66	18.5	0.74	0.6	46	21.0	
E6563805 (9331118)	2.88	2470	8	1	7.8	123	0.04	<5	1.56	19.7	0.42	0.6	45	20.8	
E6563806 (9331119)	2.83	468	12	7	32.8	166	0.08	15	8.83	113	1.61	1.6	7	26.3	
E6563807 (9331120)	2.88	2390	5	1	7.6	108	0.04	<5	1.49	20.2	0.42	0.4	45	21.8	
E6563808 (9331121)	2.45	2070	4	1	9.7	97	0.05	7	2.09	17.2	0.52	0.5	42	22.3	
E6563809 (9331122)	2.66	2130	7	1	8.3	93	0.04	7	1.63	42.1	0.27	0.3	47	22.5	
E6563810 (9331123)	2.65	2450	9	1	8.1	116	0.04	<5	1.58	28.2	1.07	0.3	43	21.8	
E6563811 (9331124)	2.71	2370	8	1	8.0	97	0.04	<5	1.68	27.9	0.32	0.2	46	22.7	
E6563812 (9331125)	2.35	65	<2	1	1.0	<5	<0.01	<5	0.27	0.2	<0.01	0.1	<5	3.70	
E6563813 (9331126)	2.40	2260	5	2	8.0	94	0.04	12	1.62	16.4	0.33	0.2	48	21.9	
E6563814 (9331127)	2.30	2150	6	1	7.8	89	0.04	10	1.55	23.7	0.66	0.2	44	22.1	
E6563815 (9331128)	3.28	2360	6	1	7.4	112	0.04	<5	1.50	33.1	0.09	<0.1	45	22.5	
E6563816 (9331129)	3.48	2270	7	1	7.3	162	0.04	8	1.46	33.8	0.23	0.2	42	21.9	
E6563817 (9331130)	2.64	2560	7	1	7.8	156	0.04	9	1.57	23.3	0.68	0.2	42	21.5	
E6563818 (9331131)	2.78	2590	8	1	7.9	159	0.04	14	1.56	24.1	0.69	0.2	43	21.6	
E6563819 (9331132)	2.84	2530	15	<1	7.9	154	0.04	8	1.58	34.9	1.03	0.2	43	21.6	
E6563820 (9331133)	3.32	1980	7	2	14.9	118	0.10	18	3.17	37.0	0.15	0.4	38	23.1	
E6563821 (9331134)	2.37	1780	8	1	9.4	153	0.04	14	2.07	44.2	0.38	0.7	38	22.2	
E6563822 (9331135)	4.10	2220	3	2	19.6	110	0.14	13	4.28	24.4	0.32	0.4	38	22.1	
E6563823 (9331136)	2.57	1950	6	1	7.7	96	0.04	5	1.60	34.0	0.07	0.2	44	22.9	
E6563824 (9331137)	2.88	2050	9	1	7.1	125	0.04	<5	1.41	30.1	0.04	0.1	42	23.1	

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563825 (9331138)	3.18	2020	15	<1	6.7	104	0.04	10	1.38	28.7	0.04	0.1	40	23.7	
E6563826 (9331139)	2.81	471	12	7	32.3	164	0.08	16	8.71	117	1.60	1.7	7	26.0	
E6563827 (9331140)	3.74	1880	7	1	7.7	174	0.04	42	1.65	35.6	0.41	0.3	40	22.6	
E6563828 (9331141)	3.59	1840	6	1	7.2	166	0.04	11	1.51	48.3	0.28	0.4	42	22.5	
E6563829 (9331142)	2.95	1740	8	1	7.1	104	0.03	6	1.49	42.1	0.07	0.2	42	23.9	
E6563830 (9331143)	2.82	1770	13	1	7.3	96	0.04	7	1.50	25.8	<0.01	0.2	41	23.5	
E6563831 (9331144)	3.69	1990	7	<1	7.2	132	0.04	<5	1.38	38.8	0.37	0.1	42	22.0	
E6563832 (9331145)	2.87	78	<2	<1	1.0	<5	0.01	<5	0.26	0.3	<0.01	<0.1	<5	4.93	
E6563833 (9331146)	3.54	1910	4	<1	7.1	122	0.03	<5	1.41	34.0	0.44	<0.1	39	21.8	
E6563834 (9331147)	3.62	1970	8	1	7.5	124	0.04	5	1.47	41.9	0.28	0.1	43	22.7	
E6563835 (9331148)	3.24	1830	5	1	9.8	95	0.05	6	2.10	45.1	0.30	0.1	43	23.4	
E6563836 (9331149)	3.19	1920	4	1	11.1	81	0.05	8	2.49	36.9	0.25	0.1	42	23.3	
E6563837 (9331150)	3.19	1840	3	1	10.3	84	0.06	10	2.22	16.3	0.46	0.2	45	23.1	
E6563838 (9331151)	2.77	475	12	7	31.5	168	0.07	16	8.51	110	1.58	1.6	7	26.0	
E6563839 (9331152)	2.97	1820	4	1	8.3	77	0.04	10	1.69	24.6	0.38	0.3	46	22.9	
E6563840 (9331153)	2.67	2170	4	1	8.0	91	0.03	<5	1.59	29.6	0.62	0.3	46	22.6	
E6563841 (9331154)	2.60	2070	4	1	8.5	107	0.04	7	1.65	22.1	0.78	0.4	49	21.9	
E6563842 (9331155)	2.75	2100	4	<1	8.2	105	0.04	6	1.59	23.8	1.15	0.4	47	22.0	
E6563843 (9331156)	2.48	2050	4	<1	8.0	116	0.03	9	1.65	24.0	0.92	0.2	48	22.3	
E6563844 (9331157)	2.46	2090	4	1	8.8	117	0.05	10	1.79	29.5	0.94	0.3	44	22.1	
E6563845 (9331158)	3.16	2060	3	2	13.1	108	0.08	11	2.82	34.9	0.67	0.2	41	22.4	
E6563846 (9331159)	2.72	464	12	7	32.4	163	0.08	15	8.69	105	1.56	1.7	7	25.4	
E6563847 (9331160)	4.16	2330	2	2	20.1	113	0.14	47	4.50	33.0	0.55	0.2	38	21.3	
E6563848 (9331161)	2.67	1980	3	1	8.2	107	0.04	30	1.68	37.2	0.84	0.4	45	22.3	
E6563849 (9331162)	2.41	1900	4	1	8.7	104	0.04	29	1.77	38.1	0.82	0.3	45	22.5	
E6563850 (9331163)	2.48	1900	4	1	8.0	105	0.03	5	1.62	28.0	0.76	0.1	46	23.0	
E6563851 (9331164)	2.41	1950	7	1	8.7	122	0.04	9	1.70	20.9	1.01	0.3	49	21.6	
E6563852 (9331165)	3.14	83	<2	<1	0.9	<5	<0.01	<5	0.24	0.4	<0.01	<0.1	<5	4.54	
E6563853 (9331166)	3.32	2520	5	1	7.5	123	0.04	7	1.53	23.8	0.44	0.3	46	21.7	
E6563854 (9331167)	2.46	1740	5	1	9.9	108	0.05	7	1.99	42.9	0.50	0.4	45	22.9	
E6563855 (9331168)	5.21	2150	3	3	37.5	94	0.25	40	8.62	12.5	0.04	0.3	27	21.5	
E6563856 (9331169)	3.18	1770	5	2	22.2	83	0.14	10	5.09	27.7	0.63	0.3	35	22.8	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563857 (9331170)	2.58	2010	5	1	9.7	92	0.04	15	1.95	41.7	1.02	0.4	44	22.5	
E6563858 (9331171)	2.51	2020	5	1	9.0	89	0.04	12	1.91	41.3	1.02	0.4	43	22.9	
E6563859 (9331172)	3.48	1980	5	2	20.3	92	0.11	7	4.46	56.8	0.47	0.3	36	22.4	
E6563860 (9331173)	3.16	1980	5	2	15.7	95	0.09	8	3.57	44.1	0.49	0.3	39	22.5	
E6563861 (9331174)	4.80	2050	5	3	28.8	105	0.18	7	6.53	28.8	0.23	0.2	32	22.5	
E6563862 (9331175)	2.56	2020	6	1	9.1	90	0.05	6	1.88	32.1	0.54	0.3	43	23.1	
E6563863 (9331176)	2.39	2170	5	1	8.0	90	0.04	5	1.68	51.8	0.59	0.2	43	23.0	
E6563864 (9331177)	2.34	2220	5	1	10.0	86	0.05	<5	2.14	27.9	0.70	0.2	42	22.9	
E6563865 (9331178)	2.36	2260	8	1	8.7	91	0.04	6	1.81	35.3	0.72	0.4	43	23.1	
E6563866 (9331179)	2.75	469	13	7	33.0	163	0.08	17	9.18	113	1.63	1.9	7	25.0	
E6563867 (9331180)	2.57	2450	7	1	8.0	89	0.03	6	1.61	13.5	0.58	0.3	43	21.8	
E6563868 (9331181)	2.29	2130	6	1	7.8	86	0.04	<5	1.59	23.4	0.64	0.2	41	22.9	
E6563869 (9331182)	2.54	2150	7	1	8.4	86	0.04	<5	1.72	18.2	0.81	0.4	43	22.0	
E6563870 (9331183)	2.57	1810	5	<1	7.8	85	0.04	5	1.54	23.4	0.92	0.6	44	21.8	
E6563871 (9331184)	2.79	1760	5	1	9.4	91	0.04	6	2.02	42.2	1.06	0.8	42	22.3	
E6563872 (9331185)	2.71	82	<2	<1	1.1	<5	0.02	<5	0.28	0.6	<0.01	<0.1	<5	3.27	
E6563873 (9331186)	6.34	2230	3	2	25.1	347	0.16	16	5.96	35.0	<0.01	1.8	21	21.7	
E6563874 (9331187)	6.57	2060	<2	2	31.4	338	0.18	16	7.93	37.4	<0.01	0.7	22	22.4	
E6563875 (9331188)	8.43	1650	<2	2	24.0	411	0.19	34	5.95	65.4	<0.01	0.4	21	22.6	
E6563876 (9331189)	8.33	1430	<2	2	25.7	413	0.18	72	6.34	54.0	<0.01	0.2	21	22.7	
E6563877 (9331190)	2.97	1720	4	1	9.4	105	0.04	19	2.00	59.8	1.18	0.7	42	21.7	
E6563878 (9331191)	2.90	1710	4	1	9.0	100	0.04	9	1.90	60.0	1.15	0.7	42	21.5	
E6563879 (9331192)	2.59	1620	4	1	7.9	88	0.04	<5	1.70	53.1	1.16	0.7	43	22.7	
E6563880 (9331193)	2.39	1640	4	<1	8.1	83	0.04	<5	1.62	39.9	1.43	0.6	44	21.9	
E6563881 (9331194)	3.01	1880	4	1	12.7	91	0.07	<5	2.73	33.6	1.10	0.4	42	21.7	
E6563882 (9331195)	2.90	2010	4	1	9.5	90	0.05	7	2.09	30.7	1.25	0.5	44	21.5	
E6563883 (9331196)	2.51	2060	5	1	8.2	86	0.03	8	1.63	23.8	1.63	0.4	44	21.3	
E6563884 (9331197)	2.65	1860	5	1	10.7	99	0.05	<5	2.27	41.0	1.05	0.3	41	22.4	
E6563885 (9331198)	3.99	1350	3	3	24.1	105	0.13	<5	5.68	53.8	0.08	0.3	24	24.1	
E6563886 (9331199)	2.68	457	13	7	33.0	159	0.07	15	8.84	112	1.59	1.7	7	24.9	
E6563887 (9331200)	3.99	1360	4	3	23.2	102	0.12	<5	5.60	57.5	0.02	0.1	23	24.8	
E6563888 (9331201)	3.90	1350	4	3	23.3	102	0.12	6	5.56	37.6	0.06	<0.1	23	24.9	

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PROJECT: DDH-128C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018		DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6563893 (9331202)		7.05	2390	4	2	20.5	381	0.17	10	4.82	40.9	<0.01	0.4	21	21.3

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Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6563793 (9331106)	2.7	<1	222	2.4	0.65	1.7	0.65	0.6	0.39	0.22	317	3	22.8	2.6	
E6563794 (9331107)	2.5	<1	161	1.6	0.57	1.1	0.69	<0.5	0.35	0.15	307	3	20.3	2.3	
E6563795 (9331108)	2.6	<1	207	1.2	0.57	0.9	0.66	<0.5	0.38	0.13	312	2	21.4	2.5	
E6563796 (9331109)	2.5	<1	183	1.1	0.57	0.8	0.68	<0.5	0.34	0.12	308	2	20.6	2.3	
E6563797 (9331110)	3.8	<1	214	1.1	0.62	2.4	0.62	<0.5	0.35	0.51	289	2	20.7	2.2	
E6563798 (9331111)	3.8	<1	227	1.1	0.63	2.5	0.62	<0.5	0.35	0.55	302	3	20.8	2.3	
E6563799 (9331112)	2.7	<1	208	0.8	0.57	0.6	0.67	<0.5	0.37	0.11	313	3	21.9	2.3	
E6563800 (9331113)	2.5	<1	222	0.9	0.60	0.5	0.61	<0.5	0.40	0.13	326	3	23.1	2.6	
E6563801 (9331114)	9.1	<1	237	0.9	0.79	10.6	0.52	<0.5	0.27	1.91	205	2	17.7	1.8	
E6563802 (9331115)	2.7	<1	265	0.7	0.60	1.0	0.57	<0.5	0.44	0.15	307	3	24.3	2.9	
E6563803 (9331116)	2.7	5	221	0.7	0.62	0.6	0.66	<0.5	0.40	0.13	329	2	23.5	2.6	
E6563804 (9331117)	2.6	<1	250	0.8	0.64	0.5	0.60	<0.5	0.42	0.17	319	2	24.5	3.0	
E6563805 (9331118)	2.5	2	232	0.6	0.57	0.4	0.62	<0.5	0.39	0.12	331	2	23.1	2.6	
E6563806 (9331119)	6.0	2	30.1	0.8	0.64	10.6	0.25	0.9	0.30	6.76	62	5	17.4	1.9	
E6563807 (9331120)	2.5	<1	192	0.6	0.59	1.1	0.64	<0.5	0.37	0.16	325	3	21.7	2.5	
E6563808 (9331121)	2.6	<1	169	0.5	0.58	1.2	0.65	<0.5	0.36	0.25	299	2	21.0	2.3	
E6563809 (9331122)	2.6	<1	183	0.5	0.59	0.5	0.67	<0.5	0.40	0.13	318	3	22.8	2.5	
E6563810 (9331123)	2.6	<1	158	1.0	0.61	0.5	0.64	<0.5	0.38	0.13	322	2	22.9	2.6	
E6563811 (9331124)	2.5	<1	161	0.9	0.64	0.4	0.68	<0.5	0.39	0.15	324	2	23.1	2.6	
E6563812 (9331125)	0.2	<1	51.9	2.0	0.09	<0.1	<0.01	0.6	0.05	0.19	<5	<1	1.7	0.2	
E6563813 (9331126)	2.7	<1	171	1.9	0.60	2.6	0.66	0.6	0.40	0.16	341	2	22.4	2.6	
E6563814 (9331127)	2.5	<1	213	1.0	0.56	1.7	0.66	<0.5	0.37	0.13	318	3	21.3	2.4	
E6563815 (9331128)	2.5	<1	131	0.9	0.56	1.2	0.65	0.5	0.36	0.12	330	2	19.7	2.2	
E6563816 (9331129)	2.4	<1	147	0.8	0.54	0.9	0.62	<0.5	0.34	0.13	300	4	20.0	2.2	
E6563817 (9331130)	2.4	1	163	0.6	0.58	0.7	0.61	<0.5	0.36	0.12	276	2	21.1	2.4	
E6563818 (9331131)	2.6	<1	164	<0.5	0.57	0.6	0.61	<0.5	0.37	0.12	290	2	21.6	2.3	
E6563819 (9331132)	2.5	<1	164	<0.5	0.53	0.4	0.62	<0.5	0.35	0.12	315	3	19.8	2.3	
E6563820 (9331133)	3.6	<1	189	<0.5	0.61	1.2	0.65	<0.5	0.32	0.41	278	2	20.6	2.1	
E6563821 (9331134)	2.6	<1	246	<0.5	0.51	0.5	0.62	<0.5	0.33	0.19	297	3	18.8	2.1	
E6563822 (9331135)	4.5	<1	231	<0.5	0.67	1.6	0.62	<0.5	0.35	0.52	258	3	21.9	2.2	
E6563823 (9331136)	2.3	1	194	<0.5	0.53	0.4	0.63	<0.5	0.32	0.13	311	2	18.9	2.0	
E6563824 (9331137)	2.2	<1	159	<0.5	0.48	0.4	0.62	<0.5	0.31	0.11	300	2	18.7	2.0	

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5623 McADAM ROAD
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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 26, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6563825 (9331138)	2.1	<1	156	<0.5	0.49	0.3	0.61	<0.5	0.28	0.14	285	2	17.6	1.9	
E6563826 (9331139)	5.6	3	28.6	0.8	0.60	10.6	0.25	0.9	0.31	6.89	63	4	18.4	1.9	
E6563827 (9331140)	2.2	2	150	0.8	0.54	0.5	0.60	0.5	0.33	0.13	268	2	19.5	2.1	
E6563828 (9331141)	2.2	<1	190	<0.5	0.53	0.4	0.62	<0.5	0.32	0.13	307	2	19.8	2.1	
E6563829 (9331142)	2.0	<1	191	<0.5	0.51	0.4	0.65	<0.5	0.30	0.12	310	2	18.4	2.0	
E6563830 (9331143)	2.3	<1	207	<0.5	0.53	0.3	0.65	<0.5	0.31	0.12	297	2	19.1	2.1	
E6563831 (9331144)	2.4	<1	162	<0.5	0.53	0.3	0.61	<0.5	0.34	0.10	287	2	19.8	2.3	
E6563832 (9331145)	0.2	<1	47.5	1.0	0.07	<0.1	0.01	0.7	<0.05	0.23	<5	<1	1.8	0.2	
E6563833 (9331146)	2.2	<1	132	0.8	0.54	2.3	0.58	0.6	0.35	0.13	287	2	20.0	2.3	
E6563834 (9331147)	2.2	<1	147	0.5	0.52	1.5	0.63	<0.5	0.35	0.12	297	2	20.4	2.2	
E6563835 (9331148)	2.8	<1	169	0.5	0.57	1.6	0.63	<0.5	0.32	0.30	292	2	20.4	2.2	
E6563836 (9331149)	2.9	1	194	<0.5	0.59	1.5	0.63	<0.5	0.35	0.37	300	2	21.1	2.2	
E6563837 (9331150)	2.9	3	200	<0.5	0.56	1.3	0.68	<0.5	0.37	0.29	330	2	21.3	2.3	
E6563838 (9331151)	5.8	1	28.0	0.9	0.62	10.8	0.25	0.9	0.29	6.84	62	4	18.8	1.9	
E6563839 (9331152)	2.5	<1	234	<0.5	0.58	1.3	0.69	<0.5	0.37	0.16	319	1	22.3	2.4	
E6563840 (9331153)	2.6	<1	212	<0.5	0.56	0.8	0.69	<0.5	0.35	0.16	332	1	21.6	2.4	
E6563841 (9331154)	2.6	<1	260	<0.5	0.62	0.6	0.69	<0.5	0.38	0.15	336	1	23.5	2.5	
E6563842 (9331155)	2.5	<1	208	<0.5	0.55	0.5	0.67	<0.5	0.37	0.13	309	1	22.2	2.4	
E6563843 (9331156)	2.5	<1	214	<0.5	0.59	0.4	0.69	<0.5	0.39	0.13	323	1	23.1	2.5	
E6563844 (9331157)	2.7	<1	217	<0.5	0.61	0.5	0.65	<0.5	0.33	0.17	314	1	22.1	2.4	
E6563845 (9331158)	3.5	<1	199	<0.5	0.63	0.9	0.65	<0.5	0.34	0.31	278	2	21.9	2.3	
E6563846 (9331159)	5.4	1	28.2	0.8	0.61	10.7	0.25	0.9	0.28	6.65	59	4	17.8	1.9	
E6563847 (9331160)	5.0	1	198	<0.5	0.70	2.2	0.63	<0.5	0.35	0.58	270	2	21.7	2.2	
E6563848 (9331161)	2.5	<1	186	<0.5	0.57	0.6	0.67	<0.5	0.36	0.15	320	1	22.4	2.4	
E6563849 (9331162)	2.7	<1	205	<0.5	0.63	0.5	0.69	<0.5	0.39	0.16	344	1	23.6	2.4	
E6563850 (9331163)	2.5	<1	184	<0.5	0.60	0.4	0.70	<0.5	0.37	0.14	327	1	22.3	2.4	
E6563851 (9331164)	2.6	<1	259	<0.5	0.60	0.4	0.67	<0.5	0.41	0.16	337	2	24.0	2.6	
E6563852 (9331165)	0.2	<1	49.5	0.5	0.06	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	1.6	0.1	
E6563853 (9331166)	2.4	<1	247	0.8	0.56	2.4	0.60	<0.5	0.36	0.19	307	12	22.4	2.3	
E6563854 (9331167)	2.8	<1	252	<0.5	0.56	1.6	0.69	<0.5	0.38	0.20	323	2	22.8	2.5	
E6563855 (9331168)	7.6	<1	187	0.5	0.86	4.0	0.61	<0.5	0.29	1.06	206	2	21.5	1.9	
E6563856 (9331169)	5.0	<1	222	<0.5	0.72	3.1	0.60	<0.5	0.34	0.87	265	2	22.2	2.1	

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AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 26, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
E6563857 (9331170)		2.7	3	224	<0.5	0.56	1.1	0.65	<0.5	0.35	0.22	298	3	22.1	2.3
E6563858 (9331171)		2.5	<1	217	<0.5	0.57	0.9	0.66	<0.5	0.35	0.22	304	2	21.0	2.4
E6563859 (9331172)		4.8	<1	300	<0.5	0.70	1.9	0.62	0.5	0.35	0.59	273	4	22.9	2.2
E6563860 (9331173)		3.9	<1	295	<0.5	0.63	1.7	0.61	<0.5	0.32	0.53	280	2	21.5	2.2
E6563861 (9331174)		6.2	<1	259	0.6	0.82	2.5	0.60	<0.5	0.34	0.83	228	2	22.1	2.0
E6563862 (9331175)		2.5	<1	256	<0.5	0.54	0.7	0.62	<0.5	0.35	0.22	285	3	21.7	2.3
E6563863 (9331176)		2.4	<1	200	<0.5	0.56	0.5	0.65	<0.5	0.35	0.17	307	3	21.7	2.3
E6563864 (9331177)		2.8	<1	218	<0.5	0.58	0.8	0.65	<0.5	0.37	0.27	297	2	22.1	2.3
E6563865 (9331178)		2.8	<1	267	<0.5	0.55	0.7	0.65	<0.5	0.36	0.21	307	4	22.1	2.2
E6563866 (9331179)		5.6	2	33.4	0.8	0.58	10.8	0.24	0.8	0.27	6.89	58	4	19.3	1.9
E6563867 (9331180)		2.5	<1	278	0.6	0.56	1.1	0.60	<0.5	0.38	0.17	313	4	22.7	2.5
E6563868 (9331181)		2.4	<1	239	<0.5	0.56	0.7	0.64	<0.5	0.36	0.17	293	4	21.6	2.3
E6563869 (9331182)		2.5	<1	289	<0.5	0.58	0.5	0.63	<0.5	0.37	0.21	310	3	22.5	2.4
E6563870 (9331183)		2.4	<1	299	<0.5	0.54	0.4	0.62	<0.5	0.34	0.19	299	1	21.7	2.3
E6563871 (9331184)		2.6	<1	316	<0.5	0.57	0.4	0.65	<0.5	0.35	0.26	299	1	22.1	2.3
E6563872 (9331185)		0.3	<1	52.8	<0.5	0.05	<0.1	0.01	<0.5	<0.05	0.16	<5	<1	2.0	0.2
E6563873 (9331186)		4.9	1	128	0.8	0.57	6.0	0.38	0.7	0.22	1.24	150	1	14.3	1.3
E6563874 (9331187)		5.9	<1	157	<0.5	0.61	5.9	0.40	0.5	0.23	1.35	159	<1	15.8	1.5
E6563875 (9331188)		4.6	<1	210	<0.5	0.53	5.3	0.39	0.5	0.22	1.29	146	<1	14.5	1.4
E6563876 (9331189)		5.0	<1	188	<0.5	0.54	5.4	0.38	0.5	0.24	1.40	145	<1	15.0	1.4
E6563877 (9331190)		2.8	<1	322	<0.5	0.60	0.9	0.63	<0.5	0.37	0.27	309	1	22.5	2.4
E6563878 (9331191)		2.8	<1	326	<0.5	0.55	0.7	0.63	<0.5	0.35	0.22	314	1	22.1	2.3
E6563879 (9331192)		2.5	<1	299	<0.5	0.57	0.5	0.67	<0.5	0.36	0.17	302	1	22.4	2.3
E6563880 (9331193)		2.6	<1	368	<0.5	0.55	0.5	0.66	<0.5	0.35	0.14	304	1	22.4	2.4
E6563881 (9331194)		3.3	<1	306	<0.5	0.60	0.9	0.65	<0.5	0.35	0.28	304	1	22.4	2.4
E6563882 (9331195)		2.8	2	270	<0.5	0.58	0.7	0.65	<0.5	0.37	0.24	304	1	22.9	2.5
E6563883 (9331196)		2.4	2	327	<0.5	0.56	0.4	0.63	<0.5	0.36	0.14	305	2	23.2	2.5
E6563884 (9331197)		2.8	<1	274	<0.5	0.58	0.7	0.63	<0.5	0.35	0.28	300	2	22.0	2.4
E6563885 (9331198)		5.0	<1	309	<0.5	0.63	2.8	0.45	<0.5	0.26	0.90	186	1	16.7	1.7
E6563886 (9331199)		5.9	1	33.6	0.7	0.61	10.8	0.24	0.8	0.30	6.96	58	4	19.3	2.0
E6563887 (9331200)		4.6	<1	286	<0.5	0.56	3.5	0.44	<0.5	0.25	0.85	188	<1	16.2	1.6
E6563888 (9331201)		4.6	<1	292	<0.5	0.56	3.1	0.43	<0.5	0.23	0.85	178	<1	15.8	1.5

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AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 26, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5
E6563893 (9331202)	4.3	<1	79.1	<0.5	0.50	4.6	0.38	<0.5	0.20	1.15	151	<1	14.1	1.4

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 26, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563793 (9331106)		67	57.8
E6563794 (9331107)		77	61.3
E6563795 (9331108)		73	58.3
E6563796 (9331109)		69	60.1
E6563797 (9331110)		51	63.7
E6563798 (9331111)		49	63.7
E6563799 (9331112)		77	58.9
E6563800 (9331113)		84	55.4
E6563801 (9331114)		88	102
E6563802 (9331115)		88	52.4
E6563803 (9331116)		75	59.7
E6563804 (9331117)		79	51.7
E6563805 (9331118)		82	53.5
E6563806 (9331119)		<5	157
E6563807 (9331120)		81	57.1
E6563808 (9331121)		63	60.0
E6563809 (9331122)		106	59.3
E6563810 (9331123)		88	57.2
E6563811 (9331124)		77	58.6
E6563812 (9331125)		<5	3.2
E6563813 (9331126)		76	57.5
E6563814 (9331127)		60	58.8
E6563815 (9331128)		81	56.9
E6563816 (9331129)		80	53.9
E6563817 (9331130)		107	60.0
E6563818 (9331131)		101	60.5
E6563819 (9331132)		87	56.6
E6563820 (9331133)		111	79.8
E6563821 (9331134)		79	58.9
E6563822 (9331135)		158	87.5
E6563823 (9331136)		84	58.5
E6563824 (9331137)		81	56.5

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 26, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563825 (9331138)		65	55.0
E6563826 (9331139)		<5	169
E6563827 (9331140)		202	56.1
E6563828 (9331141)		80	57.7
E6563829 (9331142)		80	57.7
E6563830 (9331143)		70	58.3
E6563831 (9331144)		74	55.6
E6563832 (9331145)		<5	3.1
E6563833 (9331146)		77	54.0
E6563834 (9331147)		77	57.1
E6563835 (9331148)		80	63.6
E6563836 (9331149)		81	66.5
E6563837 (9331150)		108	67.4
E6563838 (9331151)		<5	167
E6563839 (9331152)		85	62.3
E6563840 (9331153)		70	61.1
E6563841 (9331154)		71	62.0
E6563842 (9331155)		70	58.4
E6563843 (9331156)		81	62.0
E6563844 (9331157)		86	60.6
E6563845 (9331158)		83	72.4
E6563846 (9331159)		<5	160
E6563847 (9331160)		443	91.0
E6563848 (9331161)		194	62.1
E6563849 (9331162)		160	66.2
E6563850 (9331163)		76	61.0
E6563851 (9331164)		70	62.0
E6563852 (9331165)		<5	3.8
E6563853 (9331166)		107	55.9
E6563854 (9331167)		78	63.8
E6563855 (9331168)		154	129
E6563856 (9331169)		82	94.8

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 26, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563857 (9331170)		74	61.3
E6563858 (9331171)		78	60.2
E6563859 (9331172)		79	92.4
E6563860 (9331173)		102	78.8
E6563861 (9331174)		98	111
E6563862 (9331175)		71	62.3
E6563863 (9331176)		79	60.1
E6563864 (9331177)		69	65.8
E6563865 (9331178)		67	63.8
E6563866 (9331179)		<5	173
E6563867 (9331180)		76	58.6
E6563868 (9331181)		61	61.2
E6563869 (9331182)		60	58.9
E6563870 (9331183)		55	58.3
E6563871 (9331184)		62	59.2
E6563872 (9331185)		<5	4.2
E6563873 (9331186)		90	87.2
E6563874 (9331187)		93	92.6
E6563875 (9331188)		108	94.5
E6563876 (9331189)		105	97.4
E6563877 (9331190)		61	61.4
E6563878 (9331191)		59	60.1
E6563879 (9331192)		55	60.9
E6563880 (9331193)		50	58.3
E6563881 (9331194)		68	71.0
E6563882 (9331195)		67	63.9
E6563883 (9331196)		64	58.2
E6563884 (9331197)		72	63.8
E6563885 (9331198)		79	108
E6563886 (9331199)		5	171
E6563887 (9331200)		78	102
E6563888 (9331201)		83	105

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Jul 26, 2018	SAMPLE TYPE: Drill Core
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Analyte:	Zn	Zr
Unit:	ppm	ppm
RDL:	5	0.5
Sample ID (AGAT ID)		
E6563893 (9331202)	126	97.9

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

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 CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 26, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563793 (9331106)		88
E6563803 (9331116)		87
E6563804 (9331117)		
E6563813 (9331126)		85
E6563823 (9331136)		88
E6563873 (9331186)		81

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T350772

PROJECT: DDH-128C

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 26, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563793 (9331106)		85.9
E6563822 (9331135)		85.1
E6563851 (9331164)		86.1
E6563855 (9331168)		90.9
E6563884 (9331197)		92.4

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9331106	< 1	< 1	0.0%	9331117	< 1	< 1	0.0%	9331129	< 1	< 1	0.0%	9331131	< 1	< 1	0.0%
Al	9331106	7.79	7.74	0.6%	9331117	7.18	7.06	1.7%	9331129	7.99	7.97	0.3%	9331131	8.34	8.35	0.1%
As	9331106	8	< 5		9331117	< 5	< 5	0.0%	9331129	< 5	< 5	0.0%	9331131	< 5	< 5	0.0%
B	9331106	< 20	< 20	0.0%	9331117	23	20	14.0%	9331129	23	21	9.1%	9331131	< 20	< 20	0.0%
Ba	9331106	234	231	1.3%	9331117	166	165	0.6%	9331129	154	152	1.3%	9331131	135	131	3.0%
Be	9331106	< 5	< 5	0.0%	9331117	< 5	< 5	0.0%	9331129	< 5	< 5	0.0%	9331131	< 5	< 5	0.0%
Bi	9331106	0.8	0.3		9331117	0.4	0.4	0.0%	9331129	0.3	0.3	0.0%	9331131	0.25	0.31	21.4%
Ca	9331106	8.36	8.47	1.3%	9331117	9.03	9.14	1.2%	9331129	8.21	8.54	3.9%	9331131	7.94	8.00	0.8%
Cd	9331106	< 0.2	< 0.2	0.0%	9331117	< 0.2	< 0.2	0.0%	9331129	< 0.2	< 0.2	0.0%	9331131	< 0.2	< 0.2	0.0%
Ce	9331106	13.2	13.7	3.7%	9331117	11.0	11.0	0.0%	9331129	9.5	9.5	0.0%	9331131	10.2	9.91	2.9%
Co	9331106	48.5	45.6	6.2%	9331117	71.6	73.2	2.2%	9331129	56.2	55.7	0.9%	9331131	62.9	63.7	1.3%
Cr	9331106	0.022	0.022	0.0%	9331117	0.0192	0.0200	4.1%	9331129	0.020	0.020	0.0%	9331131	0.021	0.021	0.0%
Cs	9331106	0.2	0.2	0.0%	9331117	0.2	0.2	0.0%	9331129	0.5	0.5	0.0%	9331131	0.43	0.46	6.7%
Cu	9331106	84	72	15.4%	9331117	222	222	0.0%	9331129	62	60	3.3%	9331131	171	166	3.0%
Dy	9331106	4.12	4.09	0.7%	9331117	4.25	4.30	1.2%	9331129	3.47	3.67	5.6%	9331131	3.68	3.83	4.0%
Er	9331106	2.62	2.76	5.2%	9331117	2.94	3.14	6.6%	9331129	2.27	2.25	0.9%	9331131	2.57	2.49	3.2%
Eu	9331106	1.28	1.21	5.6%	9331117	1.01	1.06	4.8%	9331129	0.866	0.841	2.9%	9331131	0.873	0.865	0.9%
Fe	9331106	8.87	8.88	0.1%	9331117	10.4	10.5	1.0%	9331129	8.57	8.74	2.0%	9331131	9.47	9.40	0.7%
Ga	9331106	16.9	17.5	3.5%	9331117	16.0	16.6	3.7%	9331129	17.2	17.2	0.0%	9331131	17.2	17.8	3.4%
Gd	9331106	3.58	3.50	2.3%	9331117	3.44	3.57	3.7%	9331129	3.00	2.99	0.3%	9331131	3.17	3.20	0.9%
Ge	9331106	2	2	0.0%	9331117	2	2	0.0%	9331129	2	2	0.0%	9331131	2	2	0.0%
Hf	9331106	2	2	0.0%	9331117	2	2	0.0%	9331129	2	2	0.0%	9331131	2	2	0.0%
Ho	9331106	0.894	0.909	1.7%	9331117	0.921	0.957	3.8%	9331129	0.77	0.78	1.3%	9331131	0.81	0.81	0.0%
In	9331106	0.31	0.23	29.6%	9331117	0.3	< 0.2		9331129	0.3	0.3	0.0%	9331131	< 0.2	< 0.2	0.0%
K	9331106	0.63	0.63	0.0%	9331117	0.487	0.478	1.9%	9331129	0.729	0.725	0.6%	9331131	0.52	0.52	0.0%
La	9331106	6.5	6.5	0.0%	9331117	4.70	4.65	1.1%	9331129	3.89	3.97	2.0%	9331131	4.1	4.1	0.0%
Li	9331106	< 10	< 10	0.0%	9331117	< 10	< 10	0.0%	9331129	15	16	6.5%	9331131	14	12	15.4%
Lu	9331106	0.40	0.40	0.0%	9331117	0.47	0.47	0.0%	9331129	0.35	0.36	2.8%	9331131	0.38	0.38	0.0%
Mg	9331106	2.70	2.63	2.6%	9331117	3.17	3.17	0.0%	9331129	3.48	3.33	4.4%	9331131	2.78	2.75	1.1%
Mn	9331106	2120	2110	0.5%	9331117	2450	2470	0.8%	9331129	2270	2280	0.4%	9331131	2590	2600	0.4%
Mo	9331106	5	5	0.0%	9331117	6	6	0.0%	9331129	7	9	25.0%	9331131	8	8	0.0%



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Nb	9331106	2	2	0.0%	9331117	1	1	0.0%	9331129	1	1	0.0%	9331131	1	1	0.0%
Nd	9331106	9.09	9.36	2.9%	9331117	8.31	8.47	1.9%	9331129	7.31	7.22	1.2%	9331131	7.9	7.9	0.0%
Ni	9331106	109	112	2.7%	9331117	117	116	0.9%	9331129	162	175	7.7%	9331131	159	157	1.3%
P	9331106	0.04	0.03	28.6%	9331117	0.03	0.03	0.0%	9331129	0.04	0.04	0.0%	9331131	0.04	0.04	0.0%
Pb	9331106	7	6	15.4%	9331117	< 5	< 5	0.0%	9331129	8	6	28.6%	9331131	14	11	24.0%
Pr	9331106	1.92	1.93	0.5%	9331117	1.66	1.66	0.0%	9331129	1.46	1.44	1.4%	9331131	1.56	1.59	1.9%
Rb	9331106	19.5	20.5	5.0%	9331117	18.5	18.5	0.0%	9331129	33.8	34.5	2.0%	9331131	24.1	23.6	2.1%
S	9331106	0.307	0.298	3.0%	9331117	0.74	0.75	1.3%	9331129	0.23	0.21	9.1%	9331131	0.688	0.673	2.2%
Sb	9331106	0.89	0.80	10.7%	9331117	0.6	0.8		9331129	0.2	0.2	0.0%	9331131	0.2	0.2	0.0%
Sc	9331106	48	48	0.0%	9331117	46	47	2.2%	9331129	42	42	0.0%	9331131	43	43	0.0%
Si	9331106	21.3	20.7	2.9%	9331117	21.0	20.8	1.0%	9331129	21.9	21.9	0.0%	9331131	21.6	21.7	0.5%
Sm	9331106	2.7	2.8	3.6%	9331117	2.58	2.54	1.6%	9331129	2.4	2.4	0.0%	9331131	2.58	2.54	1.6%
Sn	9331106	< 1	< 1	0.0%	9331117	< 1	< 1	0.0%	9331129	< 1	< 1	0.0%	9331131	< 1	< 1	0.0%
Sr	9331106	222	222	0.0%	9331117	250	252	0.8%	9331129	147	147	0.0%	9331131	164	164	0.0%
Ta	9331106	2.41	1.94	21.6%	9331117	0.76	0.68	11.1%	9331129	0.8	0.7	13.3%	9331131	< 0.5	< 0.5	0.0%
Tb	9331106	0.650	0.645	0.8%	9331117	0.64	0.62	3.2%	9331129	0.54	0.55	1.8%	9331131	0.57	0.55	3.6%
Th	9331106	1.7	1.4	19.4%	9331117	0.5	0.5	0.0%	9331129	0.9	0.8	11.8%	9331131	0.59	0.52	12.6%
Ti	9331106	0.65	0.65	0.0%	9331117	0.595	0.589	1.0%	9331129	0.62	0.62	0.0%	9331131	0.61	0.62	1.6%
Tl	9331106	0.6	0.5	18.2%	9331117	< 0.5	< 0.5	0.0%	9331129	< 0.5	< 0.5	0.0%	9331131	< 0.5	< 0.5	0.0%
Tm	9331106	0.392	0.417	6.2%	9331117	0.42	0.47	11.2%	9331129	0.342	0.350	2.3%	9331131	0.369	0.385	4.2%
U	9331106	0.220	0.202	8.5%	9331117	0.17	0.16	6.1%	9331129	0.13	0.12	8.0%	9331131	0.12	0.12	0.0%
V	9331106	317	329	3.7%	9331117	319	308	3.5%	9331129	300	301	0.3%	9331131	290	304	4.7%
W	9331106	3	2		9331117	2	2	0.0%	9331129	4	3	28.6%	9331131	2	2	0.0%
Y	9331106	22.8	23.4	2.6%	9331117	24.5	25.7	4.8%	9331129	20.0	19.9	0.5%	9331131	21.6	21.9	1.4%
Yb	9331106	2.6	2.6	0.0%	9331117	3.03	3.05	0.7%	9331129	2.23	2.31	3.5%	9331131	2.33	2.47	5.8%
Zn	9331106	67	62	7.8%	9331117	79	78	1.3%	9331129	80	80	0.0%	9331131	101	105	3.9%
Zr	9331106	57.8	57.4	0.7%	9331117	51.7	53.3	3.0%	9331129	53.9	53.5	0.7%	9331131	60.5	60.5	0.0%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9331141	< 1	< 1	0.0%	9331153	< 1	< 1	0.0%	9331157	< 1	< 1	0.0%	9331165	< 1	< 1	0.0%
Al	9331141	8.43	8.43	0.0%	9331153	8.18	8.34	1.9%	9331157	7.89	7.88	0.1%	9331165	0.11	0.11	0.0%
As	9331141	< 5	< 5	0.0%	9331153	< 5	< 5	0.0%	9331157	< 5	< 5	0.0%	9331165	< 5	< 5	0.0%
B	9331141	< 20	< 20	0.0%	9331153	< 20	< 20	0.0%	9331157	< 20	< 20	0.0%	9331165	< 20	< 20	0.0%
Ba	9331141	191	186	2.7%	9331153	322	318	1.3%	9331157	387	386	0.3%	9331165	18.0	17.6	2.2%



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Be	9331141	< 5	< 5	0.0%	9331153	< 5	< 5	0.0%	9331157	< 5	< 5	0.0%	9331165	< 5	< 5	0.0%
Bi	9331141	0.2	0.1		9331153	0.4	0.4	0.0%	9331157	0.29	0.24	18.9%	9331165	0.2	< 0.1	
Ca	9331141	7.06	7.29	3.2%	9331153	7.25	7.36	1.5%	9331157	7.33	7.14	2.6%	9331165	32.6	32.7	0.3%
Cd	9331141	< 0.2	< 0.2	0.0%	9331153	< 0.2	< 0.2	0.0%	9331157	< 0.2	< 0.2	0.0%	9331165	< 0.2	< 0.2	0.0%
Ce	9331141	10.2	10.2	0.0%	9331153	10.6	10.5	0.9%	9331157	12.2	12.0	1.7%	9331165	1.1	1.2	8.7%
Co	9331141	66.2	64.5	2.6%	9331153	52.0	52.6	1.1%	9331157	63.7	62.8	1.4%	9331165	1.4	1.2	15.4%
Cr	9331141	0.020	0.020	0.0%	9331153	0.022	0.022	0.0%	9331157	0.022	0.022	0.0%	9331165	< 0.005	< 0.005	0.0%
Cs	9331141	0.8	0.8	0.0%	9331153	0.5	0.5	0.0%	9331157	0.7	0.7	0.0%	9331165	< 0.1	0.1	
Cu	9331141	121	118	2.5%	9331153	169	170	0.6%	9331157	153	150	2.0%	9331165	10	8	22.2%
Dy	9331141	3.40	3.41	0.3%	9331153	3.71	3.76	1.3%	9331157	3.83	3.78	1.3%	9331165	0.231	0.261	12.2%
Er	9331141	2.26	2.13	5.9%	9331153	2.41	2.36	2.1%	9331157	2.42	2.34	3.4%	9331165	0.143	0.183	24.5%
Eu	9331141	0.802	0.890	10.4%	9331153	1.00	1.33	28.3%	9331157	1.09	1.07	1.9%	9331165	0.077	0.071	8.1%
Fe	9331141	7.40	7.43	0.4%	9331153	7.56	7.66	1.3%	9331157	8.16	8.07	1.1%	9331165	0.17	0.17	0.0%
Ga	9331141	17.7	17.4	1.7%	9331153	17.9	18.5	3.3%	9331157	17.5	17.3	1.1%	9331165	0.16	0.16	0.0%
Gd	9331141	2.86	3.04	6.1%	9331153	3.25	3.21	1.2%	9331157	3.44	3.33	3.2%	9331165	0.241	0.267	10.2%
Ge	9331141	2	2	0.0%	9331153	2	2	0.0%	9331157	1	1	0.0%	9331165	1	< 1	
Hf	9331141	2	2	0.0%	9331153	2	2	0.0%	9331157	2	2	0.0%	9331165	< 1	< 1	0.0%
Ho	9331141	0.756	0.729	3.6%	9331153	0.803	0.832	3.5%	9331157	0.829	0.804	3.1%	9331165	0.063	0.072	13.3%
In	9331141	< 0.2	< 0.2	0.0%	9331153	< 0.2	0.2		9331157	0.2	0.2	0.0%	9331165	< 0.2	< 0.2	0.0%
K	9331141	0.86	0.86	0.0%	9331153	0.712	0.729	2.4%	9331157	0.75	0.74	1.3%	9331165	< 0.05	< 0.05	0.0%
La	9331141	4.32	4.40	1.8%	9331153	4.21	4.26	1.2%	9331157	5.1	5.0	2.0%	9331165	1.2	1.2	0.0%
Li	9331141	26	25	3.9%	9331153	14	16	13.3%	9331157	13	15	14.3%	9331165	< 10	< 10	0.0%
Lu	9331141	0.334	0.325	2.7%	9331153	0.35	0.36	2.8%	9331157	0.36	0.37	2.7%	9331165	< 0.05	< 0.05	0.0%
Mg	9331141	3.59	3.39	5.7%	9331153	2.67	2.68	0.4%	9331157	2.46	2.49	1.2%	9331165	3.14	3.18	1.3%
Mn	9331141	1840	1820	1.1%	9331153	2170	2170	0.0%	9331157	2090	2070	1.0%	9331165	83	84	1.2%
Mo	9331141	6	6	0.0%	9331153	4	4	0.0%	9331157	4	4	0.0%	9331165	< 2	< 2	0.0%
Nb	9331141	1	< 1		9331153	1	1	0.0%	9331157	1	1	0.0%	9331165	< 1	< 1	0.0%
Nd	9331141	7.23	7.28	0.7%	9331153	8.0	8.0	0.0%	9331157	8.77	8.75	0.2%	9331165	0.9	0.9	0.0%
Ni	9331141	166	162	2.4%	9331153	91	90	1.1%	9331157	117	112	4.4%	9331165	< 5	< 5	0.0%
P	9331141	0.039	0.035	10.8%	9331153	0.033	0.038	14.1%	9331157	0.05	0.04	22.2%	9331165	< 0.01	< 0.01	0.0%
Pb	9331141	11	12	8.7%	9331153	5	6	18.2%	9331157	10	10	0.0%	9331165	< 5	< 5	0.0%
Pr	9331141	1.51	1.51	0.0%	9331153	1.59	1.62	1.9%	9331157	1.79	1.81	1.1%	9331165	0.239	0.247	3.3%
Rb	9331141	48.3	47.7	1.3%	9331153	29.6	30.1	1.7%	9331157	29.5	29.1	1.4%	9331165	0.4	0.3	28.6%
S	9331141	0.28	0.26	7.4%	9331153	0.621	0.626	0.8%	9331157	0.94	0.94	0.0%	9331165	< 0.01	< 0.01	0.0%



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Sb	9331141	0.36	0.32	11.8%	9331153	0.3	0.3	0.0%	9331157	0.26	0.21	21.3%	9331165	< 0.1	< 0.1	0.0%
Sc	9331141	42	42	0.0%	9331153	46	45	2.2%	9331157	44	44	0.0%	9331165	< 5	< 5	0.0%
Si	9331141	22.5	22.6	0.4%	9331153	22.6	23.0	1.8%	9331157	22.1	22.1	0.0%	9331165	4.54	4.60	1.3%
Sm	9331141	2.2	2.2	0.0%	9331153	2.6	2.6	0.0%	9331157	2.73	2.63	3.7%	9331165	0.2	0.2	0.0%
Sn	9331141	< 1	< 1	0.0%	9331153	< 1	< 1	0.0%	9331157	< 1	< 1	0.0%	9331165	< 1	< 1	0.0%
Sr	9331141	190	189	0.5%	9331153	212	213	0.5%	9331157	217	216	0.5%	9331165	49.5	49.7	0.4%
Ta	9331141	< 0.5	< 0.5	0.0%	9331153	< 0.5	< 0.5	0.0%	9331157	< 0.5	< 0.5	0.0%	9331165	0.5	1.0	
Tb	9331141	0.53	0.52	1.9%	9331153	0.563	0.576	2.3%	9331157	0.605	0.602	0.5%	9331165	0.06	0.06	0.0%
Th	9331141	0.4	0.4	0.0%	9331153	0.80	0.65	20.7%	9331157	0.5	0.5	0.0%	9331165	< 0.1	< 0.1	0.0%
Ti	9331141	0.618	0.614	0.6%	9331153	0.690	0.698	1.2%	9331157	0.65	0.65	0.0%	9331165	< 0.01	< 0.01	0.0%
Tl	9331141	< 0.5	< 0.5	0.0%	9331153	< 0.5	< 0.5	0.0%	9331157	< 0.5	< 0.5	0.0%	9331165	< 0.5	0.6	
Tm	9331141	0.32	0.32	0.0%	9331153	0.35	0.34	2.9%	9331157	0.334	0.349	4.4%	9331165	< 0.05	< 0.05	0.0%
U	9331141	0.13	0.11	16.7%	9331153	0.160	0.131	19.9%	9331157	0.171	0.161	6.0%	9331165	0.13	0.15	14.3%
V	9331141	307	303	1.3%	9331153	332	329	0.9%	9331157	314	288	8.6%	9331165	< 5	< 5	0.0%
W	9331141	2	2	0.0%	9331153	1	2		9331157	1	1	0.0%	9331165	< 1	< 1	0.0%
Y	9331141	19.8	19.5	1.5%	9331153	21.6	21.7	0.5%	9331157	22.1	21.7	1.8%	9331165	1.63	1.53	6.3%
Yb	9331141	2.13	2.15	0.9%	9331153	2.4	2.4	0.0%	9331157	2.36	2.29	3.0%	9331165	0.15	0.16	6.5%
Zn	9331141	80	86	7.2%	9331153	70	71	1.4%	9331157	86	86	0.0%	9331165	< 5	< 5	0.0%
Zr	9331141	57.7	54.7	5.3%	9331153	61.1	61.9	1.3%	9331157	60.6	60.5	0.2%	9331165	3.8	2.5	

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9331177	< 1	< 1	0.0%	9331181	< 1	< 1	0.0%	9331189	< 1	< 1	0.0%	9331201	< 1	< 1	0.0%
Al	9331177	7.78	7.90	1.5%	9331181	7.69	7.78	1.2%	9331189	5.64	5.70	1.1%	9331201	6.84	6.89	0.7%
As	9331177	< 5	< 5	0.0%	9331181	< 5	< 5	0.0%	9331189	< 5	< 5	0.0%	9331201	< 5	< 5	0.0%
B	9331177	< 20	< 20	0.0%	9331181	21	< 20		9331189	< 20	< 20	0.0%	9331201	< 20	< 20	0.0%
Ba	9331177	238	240	0.8%	9331181	245	251	2.4%	9331189	787	779	1.0%	9331201	502	509	1.4%
Be	9331177	< 5	< 5	0.0%	9331181	< 5	< 5	0.0%	9331189	< 5	< 5	0.0%	9331201	< 5	< 5	0.0%
Bi	9331177	0.3	0.3	0.0%	9331181	0.6	0.3		9331189	0.13	0.16	20.7%	9331201	0.5	0.2	
Ca	9331177	6.89	7.03	2.0%	9331181	7.51	7.54	0.4%	9331189	5.07	5.06	0.2%	9331201	4.61	4.61	0.0%
Cd	9331177	< 0.2	< 0.2	0.0%	9331181	< 0.2	< 0.2	0.0%	9331189	< 0.2	< 0.2	0.0%	9331201	< 0.2	< 0.2	0.0%
Ce	9331177	14.4	14.5	0.7%	9331181	10.4	10.2	1.9%	9331189	49.6	49.4	0.4%	9331201	42.5	42.4	0.2%
Co	9331177	54.1	54.2	0.2%	9331181	52.9	53.7	1.5%	9331189	47.7	48.2	1.0%	9331201	35.6	35.9	0.8%
Cr	9331177	0.021	0.021	0.0%	9331181	0.021	0.021	0.0%	9331189	0.088	0.088	0.0%	9331201	0.041	0.041	0.0%
Cs	9331177	0.85	0.82	3.6%	9331181	0.6	0.6	0.0%	9331189	2.66	2.64	0.8%	9331201	0.4	0.4	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Cu	9331177	106	107	0.9%	9331181	153	152	0.7%	9331189	14	14	0.0%	9331201	31	31	0.0%
Dy	9331177	3.74	3.85	2.9%	9331181	3.82	3.78	1.1%	9331189	2.82	2.80	0.7%	9331201	3.09	3.06	1.0%
Er	9331177	2.40	2.42	0.8%	9331181	2.33	2.29	1.7%	9331189	1.42	1.52	6.8%	9331201	1.76	1.64	7.1%
Eu	9331177	0.95	1.03	8.1%	9331181	0.89	0.87	2.3%	9331189	1.24	1.30	4.7%	9331201	1.36	1.30	4.5%
Fe	9331177	8.01	8.23	2.7%	9331181	7.85	7.80	0.6%	9331189	5.76	5.77	0.2%	9331201	5.89	5.96	1.2%
Ga	9331177	17.4	17.4	0.0%	9331181	17.6	17.8	1.1%	9331189	14.4	14.1	2.1%	9331201	17.3	17.4	0.6%
Gd	9331177	3.53	3.53	0.0%	9331181	3.21	3.33	3.7%	9331189	4.20	4.30	2.4%	9331201	4.31	4.08	5.5%
Ge	9331177	1	1	0.0%	9331181	2	2	0.0%	9331189	1	1	0.0%	9331201	1	1	0.0%
Hf	9331177	2	2	0.0%	9331181	2	2	0.0%	9331189	2	3		9331201	3	3	0.0%
Ho	9331177	0.80	0.85	6.1%	9331181	0.82	0.81	1.2%	9331189	0.53	0.56	5.5%	9331201	0.608	0.570	6.5%
In	9331177	< 0.2	< 0.2	0.0%	9331181	0.3	< 0.2		9331189	0.2	0.2	0.0%	9331201	0.2	< 0.2	
K	9331177	0.65	0.65	0.0%	9331181	0.56	0.57	1.8%	9331189	1.34	1.36	1.5%	9331201	1.11	1.13	1.8%
La	9331177	5.92	5.99	1.2%	9331181	4.2	4.2	0.0%	9331189	23.5	23.5	0.0%	9331201	19.0	18.8	1.1%
Li	9331177	13	13	0.0%	9331181	11	9	20.0%	9331189	66	67	1.5%	9331201	15	14	6.9%
Lu	9331177	0.354	0.361	2.0%	9331181	0.37	0.37	0.0%	9331189	0.233	0.239	2.5%	9331201	0.225	0.234	3.9%
Mg	9331177	2.34	2.37	1.3%	9331181	2.29	2.37	3.4%	9331189	8.33	8.28	0.6%	9331201	3.90	3.91	0.3%
Mn	9331177	2220	2230	0.4%	9331181	2130	2160	1.4%	9331189	1430	1430	0.0%	9331201	1350	1380	2.2%
Mo	9331177	5	5	0.0%	9331181	6	5	18.2%	9331189	< 2	< 2	0.0%	9331201	4	4	0.0%
Nb	9331177	1	1	0.0%	9331181	1	1	0.0%	9331189	2	2	0.0%	9331201	3	3	0.0%
Nd	9331177	10.0	10.1	1.0%	9331181	7.83	8.10	3.4%	9331189	25.7	26.3	2.3%	9331201	23.3	23.4	0.4%
Ni	9331177	86	87	1.2%	9331181	86	86	0.0%	9331189	413	415	0.5%	9331201	102	102	0.0%
P	9331177	0.05	0.05	0.0%	9331181	0.04	0.04	0.0%	9331189	0.18	0.18	0.0%	9331201	0.12	0.12	0.0%
Pb	9331177	< 5	< 5	0.0%	9331181	< 5	< 5	0.0%	9331189	72	65	10.2%	9331201	6	5	18.2%
Pr	9331177	2.14	2.12	0.9%	9331181	1.59	1.62	1.9%	9331189	6.34	6.39	0.8%	9331201	5.56	5.64	1.4%
Rb	9331177	27.9	27.7	0.7%	9331181	23.4	24.5	4.6%	9331189	54.0	54.2	0.4%	9331201	37.6	38.4	2.1%
S	9331177	0.703	0.711	1.1%	9331181	0.64	0.65	1.6%	9331189	< 0.01	< 0.01	0.0%	9331201	0.057	0.052	9.2%
Sb	9331177	0.2	0.2	0.0%	9331181	0.25	0.28	11.3%	9331189	0.2	0.2	0.0%	9331201	< 0.1	0.1	
Sc	9331177	42	43	2.4%	9331181	41	42	2.4%	9331189	21	21	0.0%	9331201	23	24	4.3%
Si	9331177	22.9	23.4	2.2%	9331181	22.9	22.3	2.7%	9331189	22.7	22.7	0.0%	9331201	24.9	25.0	0.4%
Sm	9331177	2.8	2.8	0.0%	9331181	2.42	2.58	6.4%	9331189	5.0	5.0	0.0%	9331201	4.6	4.7	2.2%
Sn	9331177	< 1	< 1	0.0%	9331181	< 1	< 1	0.0%	9331189	< 1	< 1	0.0%	9331201	< 1	< 1	0.0%
Sr	9331177	218	216	0.9%	9331181	239	243	1.7%	9331189	188	187	0.5%	9331201	292	295	1.0%
Ta	9331177	< 0.5	< 0.5	0.0%	9331181	< 0.5	< 0.5	0.0%	9331189	< 0.5	< 0.5	0.0%	9331201	< 0.5	< 0.5	0.0%
Tb	9331177	0.58	0.58	0.0%	9331181	0.557	0.538	3.5%	9331189	0.545	0.554	1.6%	9331201	0.56	0.56	0.0%



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Th	9331177	0.8	0.8	0.0%	9331181	0.7	0.5		9331189	5.35	5.12	4.4%	9331201	3.1	3.1	0.0%
Ti	9331177	0.65	0.66	1.5%	9331181	0.64	0.64	0.0%	9331189	0.384	0.385	0.3%	9331201	0.434	0.439	1.1%
Tl	9331177	< 0.5	< 0.5	0.0%	9331181	< 0.5	< 0.5	0.0%	9331189	0.5	0.5	0.0%	9331201	< 0.5	< 0.5	0.0%
Tm	9331177	0.37	0.38	2.7%	9331181	0.36	0.36	0.0%	9331189	0.238	0.229	3.9%	9331201	0.231	0.237	2.6%
U	9331177	0.27	0.27	0.0%	9331181	0.171	0.134	24.3%	9331189	1.40	1.38	1.4%	9331201	0.845	0.825	2.4%
V	9331177	297	295	0.7%	9331181	293	301	2.7%	9331189	145	147	1.4%	9331201	178	177	0.6%
W	9331177	2	2	0.0%	9331181	4	3	28.6%	9331189	< 1	< 1	0.0%	9331201	< 1	< 1	0.0%
Y	9331177	22.1	22.2	0.5%	9331181	21.6	22.1	2.3%	9331189	15.0	15.3	2.0%	9331201	15.8	16.5	4.3%
Yb	9331177	2.32	2.38	2.6%	9331181	2.31	2.40	3.8%	9331189	1.43	1.48	3.4%	9331201	1.5	1.5	0.0%
Zn	9331177	69	70	1.4%	9331181	61	62	1.6%	9331189	105	107	1.9%	9331201	83	82	1.2%
Zr	9331177	65.8	65.9	0.2%	9331181	61.2	60.6	1.0%	9331189	97.4	99.3	1.9%	9331201	105	105	0.0%



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	5.63	88%	90% - 110%					6.39	5.57	87%	90% - 110%
Al	10.95	10.7	98%	90% - 110%	4.30	4.11	96%	90% - 110%	10.95	10.8	99%	90% - 110%	4.30	4.10	95%	90% - 110%
Ba	340	326	96%	90% - 110%					340	333	98%	90% - 110%				
Be	2.6	2.6	98%	90% - 110%					2.6	2.7	102%	90% - 110%				
Ca	5.72	5.57	97%	90% - 110%	2.21	2.23	101%	90% - 110%	5.72	5.71	100%	90% - 110%	2.21	2.23	101%	90% - 110%
Ce	122	123	100%	90% - 110%					122	125	102%	90% - 110%				
Co	2.8	2.5	89%	90% - 110%	672	674	100%	90% - 110%	2.8	2.5	89%	90% - 110%	672	692	103%	90% - 110%
Cr					0.032	0.034	106%	90% - 110%					0.032	0.033	103%	90% - 110%
Cs	1.5	1.5	101%	90% - 110%					1.5	1.5	100%	90% - 110%				
Cu					11850	11451	97%	90% - 110%					11850	11616	98%	90% - 110%
Dy	18.2	18.9	104%	90% - 110%					18.2	18.6	102%	90% - 110%				
Er	14.2	14.5	102%	90% - 110%					14.2	14.6	103%	90% - 110%				
Eu	2.0	2	102%	90% - 110%					2.0	2	101%	90% - 110%				
Fe	4.34	4.39	101%	90% - 110%	25.54	24.48	96%	90% - 110%	4.34	4.47	103%	90% - 110%	25.54	24.96	98%	90% - 110%
Ga	35	35	101%	90% - 110%					35	36	102%	90% - 110%				
Gd	14	14.8	106%	90% - 110%					14	14.3	102%	90% - 110%				
Hf	10.6	10.4	98%	90% - 110%					10.6	10.6	100%	90% - 110%				
Ho	4.3	4.4	101%	90% - 110%					4.3	4.2	99%	90% - 110%				
K	1.37	1.45	106%	90% - 110%					1.37	1.44	105%	90% - 110%				
La	58	59	102%	90% - 110%					58	59	102%	90% - 110%				
Li	37	35.9	97%	90% - 110%					37	35.8	97%	90% - 110%				
Lu	2.1	2.2	103%	90% - 110%					2.1	2	97%	90% - 110%				
Mg	0.325	0.329	101%	90% - 110%	1.79	1.89	106%	90% - 110%	0.325	0.337	104%	90% - 110%	1.79	1.86	104%	90% - 110%
Mn	836	797	95%	90% - 110%	703	704	100%	90% - 110%	836	818	98%	90% - 110%	703	707	101%	90% - 110%
Nb	13	14	109%	90% - 110%					13	13	100%	90% - 110%				
Nd	57	58	102%	90% - 110%					57	59	103%	90% - 110%				
Ni	9	7	82%	90% - 110%	19530	18025	92%	90% - 110%	9	8	89%	90% - 110%	19530	18064	92%	90% - 110%
Pb	10	11	114%	90% - 110%	58	62	106%	90% - 110%	10	11	108%	90% - 110%	58	65	112%	90% - 110%
Pr	15.0	15.1	101%	90% - 110%					15.0	15.4	103%	90% - 110%				
Rb	55	55	100%	90% - 110%					55	56	102%	90% - 110%				
S					14.14	13.49	95%	90% - 110%					14.14	13.42	95%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

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Si	23.3	21.9	94%	90% - 110%	15.23	14.2	93%	90% - 110%	23.3	22.1	95%	90% - 110%	15.23	14.17	93%	90% - 110%
Sm	12.7	13	102%	90% - 110%					12.7	12.8	101%	90% - 110%				
Sn	7.1	7.1	101%	90% - 110%					7.1	7.5	106%	90% - 110%				
Sr	1191	1170	98%	90% - 110%					1191	1180	99%	90% - 110%				
Tb	2.6	2.7	105%	90% - 110%					2.6	2.7	102%	90% - 110%				
Th	1.4	1.4	100%	90% - 110%					1.4	1.5	106%	90% - 110%				
Ti	0.172	0.176	102%	90% - 110%					0.172	0.182	106%	90% - 110%				
Tm	2.3	2.3	99%	90% - 110%					2.3	2.2	97%	90% - 110%				
U	0.8	0.8	105%	90% - 110%					0.8	0.8	100%	90% - 110%				
Y	119	118	99%	90% - 110%					119	122	102%	90% - 110%				
Yb	14.8	15	102%	90% - 110%					14.8	14.4	97%	90% - 110%				
Zn	93	86.4	93%	90% - 110%	235	229	97%	90% - 110%	93	88.8	95%	90% - 110%	235	227	96%	90% - 110%
Zr	517	513	99%	90% - 110%					517	555	107%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag					6.39	5.84	91%	90% - 110%								
Al	10.95	10.7	98%	90% - 110%	4.30	4.15	96%	90% - 110%								
Ba	340	339	100%	90% - 110%												
Be	2.6	2.9	110%	90% - 110%												
Ca	5.72	5.73	100%	90% - 110%	2.21	2.24	102%	90% - 110%								
Ce	122	120	99%	90% - 110%												
Co	2.8	2.7	95%	90% - 110%	672	685	102%	90% - 110%								
Cr					0.032	0.035	108%	90% - 110%								
Cs	1.5	1.5	102%	90% - 110%												
Cu					11850	11817	100%	90% - 110%								
Dy	18.2	18.1	100%	90% - 110%												
Er	14.2	14.1	99%	90% - 110%												
Eu	2.0	2	98%	90% - 110%												
Fe	4.34	4.44	102%	90% - 110%	25.54	24.56	96%	90% - 110%								
Ga	35	36	104%	90% - 110%												
Gd	14	14.5	104%	90% - 110%												
Hf	10.6	10.3	97%	90% - 110%												
Ho	4.3	4.2	98%	90% - 110%												
K	1.37	1.43	104%	90% - 110%												



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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

La	58	58	100%	90% - 110%																
Li	37	36.0	97%	90% - 110%																
Lu	2.1	2.1	99%	90% - 110%																
Mg	0.325	0.339	104%	90% - 110%	1.79	1.92	107%	90% - 110%												
Mn	836	848	101%	90% - 110%	703	734	104%	90% - 110%												
Nb	13	13	100%	90% - 110%																
Nd	57	58	101%	90% - 110%																
Ni	9	7	78%	90% - 110%	19530	18240	93%	90% - 110%												
Pb	10	10	99%	90% - 110%																
Pr	15.0	15	100%	90% - 110%																
Rb	55	55	100%	90% - 110%																
S					14.14	13.92	98%	90% - 110%												
Si	23.3	21.9	94%	90% - 110%	15.23	14.1	93%	90% - 110%												
Sm	12.7	12.9	101%	90% - 110%																
Sn	7.1	7.3	102%	90% - 110%																
Sr	1191	1180	99%	90% - 110%																
Tb	2.6	2.59	100%	90% - 110%																
Th	1.4	1.3	95%	90% - 110%																
Ti	0.172	0.183	106%	90% - 110%																
Tm	2.3	2.3	98%	90% - 110%																
U	0.8	0.7	93%	90% - 110%																
Y	119	125	105%	90% - 110%																
Yb	14.8	14.3	97%	90% - 110%																
Zn	93	91.0	98%	90% - 110%	235	254	108%	90% - 110%												
Zr	517	559	108%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-128C
 SAMPLING SITE:

AGAT WORK ORDER: 18T350772
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-128C
SAMPLING SITE:

AGAT WORK ORDER: 18T350772
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-128D

AGAT WORK ORDER: 18T350773

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 31, 2018

PAGES (INCLUDING COVER): 15

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 31, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6563889 (9331210)		3.38
E6563890 (9331211)		2.44
E6563891 (9331212)		2.27
E6563892 (9331213)		1.71
E6563894 (9331214)		2.71
E6563895 (9331215)		3.14
E6563896 (9331216)		3.09
E6563897 (9331217)		1.27
E6563898 (9331218)		1.27
E6563899 (9331219)		0.92
E6563900 (9331220)		1.63
E6563901 (9331221)		1.36
E6563902 (9331222)		2.31
E6563903 (9331223)		2.44
E6563904 (9331224)		2.84
E6563905 (9331225)		3.11
E6563906 (9331226)		0.01
E6563907 (9331227)		2.40
E6563908 (9331228)		3.15
E6563909 (9331229)		2.34

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6563889 (9331210)	<1	6.73	8	<20	511	<5	0.2	4.73	<0.2	45.4	34.2	0.032	0.5	89	
E6563890 (9331211)	<1	7.55	7	55	566	<5	0.4	8.70	<0.2	13.5	68.5	0.020	1.7	220	
E6563891 (9331212)	<1	7.75	6	38	483	<5	0.4	8.06	<0.2	13.0	68.7	0.021	3.2	278	
E6563892 (9331213)	<1	0.13	<5	31	17.0	<5	<0.1	33.3	<0.2	1.2	1.1	<0.005	0.1	7	
E6563894 (9331214)	<1	7.79	<5	46	596	<5	0.2	6.22	<0.2	12.5	55.8	0.020	1.1	201	
E6563895 (9331215)	<1	7.99	<5	47	548	<5	0.2	6.54	<0.2	10.1	57.2	0.021	1.7	149	
E6563896 (9331216)	<1	8.23	<5	<20	725	<5	0.2	4.88	<0.2	10.3	45.5	0.022	1.2	138	
E6563897 (9331217)	<1	7.92	14	<20	874	<5	0.3	3.50	<0.2	9.8	45.9	0.022	1.0	200	
E6563898 (9331218)	2	7.88	15	<20	833	<5	0.3	3.41	<0.2	9.4	39.3	0.029	1.0	208	
E6563899 (9331219)	<1	7.01	41	<20	746	<5	0.1	3.60	0.6	28.5	37.9	0.034	0.5	189	
E6563900 (9331220)	<1	7.63	39	107	1030	<5	0.6	4.24	9.5	12.4	42.2	0.021	0.7	252	
E6563901 (9331221)	<1	8.40	31	<20	1010	<5	0.4	5.25	0.2	10.1	62.5	0.022	1.9	158	
E6563902 (9331222)	<1	7.80	11	47	732	<5	0.4	7.50	<0.2	9.7	61.8	0.021	1.3	141	
E6563903 (9331223)	<1	8.24	8	25	653	<5	0.3	7.10	<0.2	9.6	62.3	0.019	4.6	183	
E6563904 (9331224)	<1	7.98	15	22	682	<5	0.4	5.99	<0.2	12.1	69.9	0.020	8.3	205	
E6563905 (9331225)	<1	7.01	24	<20	617	<5	0.2	3.65	<0.2	35.6	31.6	0.031	0.4	142	
E6563906 (9331226)	<1	4.55	573	105	171	<5	7.6	4.19	<0.2	75.4	1000	0.005	2.8	2980	
E6563907 (9331227)	<1	7.06	10	<20	784	<5	<0.1	4.62	<0.2	54.5	41.6	0.031	1.2	127	
E6563908 (9331228)	<1	7.07	11	<20	439	<5	0.1	4.15	<0.2	32.8	35.7	0.030	0.3	179	
E6563909 (9331229)	<1	8.28	12	<20	635	<5	0.3	6.90	<0.2	17.1	68.7	0.020	2.5	246	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563889 (9331210)	3.41	1.91	1.36	6.52	16.8	4.80	1	3	0.66	<0.2	1.03	20.7	16	0.26	
E6563890 (9331211)	4.13	2.76	1.13	10.0	19.1	3.37	2	2	0.93	0.3	0.99	6.7	16	0.42	
E6563891 (9331212)	4.38	2.81	0.99	10.8	19.2	3.47	2	2	0.96	0.4	1.00	6.4	25	0.45	
E6563892 (9331213)	0.26	0.13	<0.05	0.18	0.18	0.26	1	<1	0.07	<0.2	<0.05	1.3	<10	<0.05	
E6563894 (9331214)	4.03	2.44	0.91	8.58	17.8	3.41	1	2	0.86	0.2	1.20	5.6	21	0.36	
E6563895 (9331215)	3.86	2.60	91.5	8.08	19.4	3.22	2	2	0.82	<0.2	1.23	4.1	20	0.38	
E6563896 (9331216)	3.52	2.17	0.83	6.10	18.8	3.16	1	2	0.76	<0.2	1.36	4.2	21	0.32	
E6563897 (9331217)	3.03	1.83	0.69	5.23	18.0	2.66	1	2	0.62	0.2	1.28	4.1	18	0.27	
E6563898 (9331218)	2.97	1.87	0.88	5.24	17.3	2.70	1	2	0.60	<0.2	1.27	3.8	17	0.26	
E6563899 (9331219)	2.50	1.44	0.92	4.90	16.5	3.22	1	3	0.50	<0.2	2.31	11.9	10	0.21	
E6563900 (9331220)	3.36	2.13	1.15	5.59	16.0	2.91	1	2	0.70	0.3	1.87	5.5	13	0.31	
E6563901 (9331221)	3.63	2.38	0.80	7.00	19.4	3.03	1	2	0.78	0.2	1.53	4.1	24	0.34	
E6563902 (9331222)	3.68	2.58	0.79	8.70	17.7	3.27	1	2	0.83	<0.2	1.12	3.7	14	0.38	
E6563903 (9331223)	4.05	2.50	0.71	8.67	18.7	3.22	2	2	0.81	<0.2	1.51	3.6	32	0.40	
E6563904 (9331224)	4.11	2.54	0.79	9.44	18.3	3.30	1	2	0.90	0.2	1.98	5.2	52	0.40	
E6563905 (9331225)	2.57	1.41	1.11	4.93	17.3	3.52	1	3	0.49	<0.2	2.26	15.1	<10	0.21	
E6563906 (9331226)	3.27	1.89	0.90	3.27	12.2	4.23	2	5	0.65	0.5	3.25	38.9	<10	0.28	
E6563907 (9331227)	3.70	1.80	1.67	6.31	18.3	5.52	1	4	0.68	<0.2	1.32	24.6	31	0.24	
E6563908 (9331228)	2.57	1.36	0.97	5.90	18.7	3.26	1	3	0.51	<0.2	1.84	15.0	10	0.21	
E6563909 (9331229)	4.14	2.82	0.88	9.86	19.2	3.49	2	2	0.85	<0.2	1.18	9.5	29	0.38	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563889 (9331210)	3.41	1350	5	5	25.2	89	0.14	26	6.01	35.1	0.14	0.3	24	26.2	
E6563890 (9331211)	2.64	2050	5	3	8.9	91	0.04	14	1.88	43.8	0.70	0.7	51	22.4	
E6563891 (9331212)	2.67	2100	13	3	8.8	103	0.04	10	1.86	62.7	0.64	0.6	51	21.7	
E6563892 (9331213)	2.22	66	<2	<1	1.0	<5	<0.01	<5	0.26	0.9	<0.01	<0.1	<5	4.48	
E6563894 (9331214)	2.52	1820	3	3	8.6	96	0.04	<5	1.72	41.6	0.29	0.5	46	23.8	
E6563895 (9331215)	2.30	1700	4	3	8.0	88	0.04	6	1.60	49.3	0.62	1.1	44	23.9	
E6563896 (9331216)	1.98	1480	5	3	7.8	69	0.03	23	1.58	53.4	0.37	0.7	40	26.2	
E6563897 (9331217)	1.79	1290	6	3	7.2	73	0.04	38	1.50	50.5	0.54	0.7	33	27.8	
E6563898 (9331218)	1.80	1290	2	3	6.7	76	0.04	27	1.46	48.7	0.48	0.8	31	25.6	
E6563899 (9331219)	2.82	1070	3	4	16.4	82	0.09	294	3.94	61.3	0.30	1.2	20	27.5	
E6563900 (9331220)	1.95	1460	5	3	8.5	75	0.04	818	1.76	54.4	0.86	2.0	37	26.2	
E6563901 (9331221)	2.16	1560	4	3	7.9	89	0.04	113	1.56	65.0	0.96	1.3	41	25.0	
E6563902 (9331222)	2.49	1910	4	3	7.7	95	0.04	32	1.51	45.8	1.31	2.2	44	22.6	
E6563903 (9331223)	2.68	1920	5	3	7.9	95	0.03	16	1.51	95.3	1.08	1.5	47	21.2	
E6563904 (9331224)	3.08	2020	4	3	8.5	113	0.04	8	1.78	161	1.11	1.3	51	20.8	
E6563905 (9331225)	3.05	1000	4	4	20.1	82	0.10	19	4.88	57.5	0.24	0.7	17	26.4	
E6563906 (9331226)	2.61	447	12	9	33.2	166	0.07	11	8.86	112	1.62	1.7	7	25.3	
E6563907 (9331227)	4.44	1420	<2	6	31.4	159	0.18	16	7.38	42.7	0.18	0.4	21	25.1	
E6563908 (9331228)	3.04	1180	3	4	18.0	90	0.10	20	4.27	44.6	0.46	1.0	20	25.6	
E6563909 (9331229)	3.29	2000	3	3	9.9	115	0.04	8	2.18	64.3	1.07	1.0	49	21.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563889 (9331210)		5.6	2	236	<0.5	0.66	3.5	0.41	<0.5	0.27	1.15	182	<1	18.7	1.7
E6563890 (9331211)		2.7	2	323	<0.5	0.64	0.7	0.58	<0.5	0.43	0.32	320	2	24.9	2.8
E6563891 (9331212)		2.7	2	260	0.8	0.67	2.7	0.61	1.0	0.44	0.19	326	2	25.9	2.8
E6563892 (9331213)		0.2	2	54.5	0.6	0.06	1.2	<0.01	<0.5	<0.05	0.15	<5	<1	1.9	0.2
E6563894 (9331214)		2.5	2	194	0.5	0.63	1.4	0.61	<0.5	0.37	0.19	299	2	23.7	2.4
E6563895 (9331215)		2.7	2	235	<0.5	0.59	1.0	0.62	<0.5	0.39	0.15	299	2	23.5	2.4
E6563896 (9331216)		2.6	2	185	<0.5	0.58	0.8	0.65	<0.5	0.32	0.15	285	3	20.5	2.1
E6563897 (9331217)		2.1	3	178	<0.5	0.49	0.7	0.61	<0.5	0.26	0.22	258	3	17.5	1.6
E6563898 (9331218)		2.1	2	175	<0.5	0.44	0.4	0.59	<0.5	0.28	0.19	240	2	16.5	1.8
E6563899 (9331219)		3.6	2	127	<0.5	0.47	2.1	0.38	<0.5	0.20	0.76	149	<1	14.1	1.3
E6563900 (9331220)		2.4	3	142	<0.5	0.58	0.7	0.62	<0.5	0.30	0.26	260	2	18.9	2.0
E6563901 (9331221)		2.4	2	182	<0.5	0.57	0.6	0.66	0.5	0.35	0.15	294	2	21.3	2.3
E6563902 (9331222)		2.4	6	240	<0.5	0.58	0.5	0.60	<0.5	0.35	0.13	290	2	23.1	2.4
E6563903 (9331223)		2.4	2	224	<0.5	0.58	0.5	0.62	0.9	0.38	0.14	297	2	22.6	2.4
E6563904 (9331224)		2.8	2	167	<0.5	0.62	0.5	0.63	1.4	0.40	0.17	303	2	24.1	2.6
E6563905 (9331225)		4.1	3	116	<0.5	0.54	2.4	0.34	<0.5	0.21	0.90	128	<1	13.2	1.3
E6563906 (9331226)		5.7	3	29.2	0.8	0.62	10.4	0.23	0.8	0.28	7.02	55	4	18.9	2.0
E6563907 (9331227)		6.5	2	210	<0.5	0.76	3.0	0.56	<0.5	0.25	0.94	163	2	19.2	1.6
E6563908 (9331228)		3.8	3	112	<0.5	0.49	2.2	0.35	<0.5	0.20	0.84	150	<1	14.2	1.3
E6563909 (9331229)		2.8	2	171	<0.5	0.64	0.7	0.65	0.5	0.39	0.23	320	1	25.7	2.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 31, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563889 (9331210)		96	105
E6563890 (9331211)		85	58.1
E6563891 (9331212)		86	58.5
E6563892 (9331213)		<5	3.9
E6563894 (9331214)		70	58.7
E6563895 (9331215)		67	58.7
E6563896 (9331216)		72	59.4
E6563897 (9331217)		74	57.8
E6563898 (9331218)		83	59.2
E6563899 (9331219)		172	89.1
E6563900 (9331220)		2130	58.4
E6563901 (9331221)		114	60.3
E6563902 (9331222)		83	57.1
E6563903 (9331223)		87	58.5
E6563904 (9331224)		108	61.8
E6563905 (9331225)		80	95.6
E6563906 (9331226)		<5	158
E6563907 (9331227)		111	125
E6563908 (9331228)		70	88.7
E6563909 (9331229)		100	63.3

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 31, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563889 (9331210)		83.4
E6563897 (9331217)		84.4
E6563902 (9331222)		89.3

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350773

PROJECT: DDH-128D

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID)	RDL:
E6563889 (9331210)	87.8

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9331210	< 1	< 1	0.0%	9331221	< 1	< 1	0.0%								
Al	9331210	6.73	6.69	0.6%	9331221	8.40	8.39	0.1%								
As	9331218	15	15	0.0%	9331221	31	32	3.2%								
B	9331210	< 20	< 20	0.0%	9331221	< 20	< 20	0.0%								
Ba	9331210	511	505	1.2%	9331221	1010	1010	0.0%								
Be	9331210	< 5	< 5	0.0%	9331221	< 5	< 5	0.0%								
Bi	9331210	0.2	0.2	0.0%	9331221	0.40	0.34	16.2%								
Ca	9331210	4.73	4.76	0.6%	9331221	5.25	5.22	0.6%								
Cd	9331210	< 0.2	< 0.2	0.0%	9331221	0.2	0.2	0.0%								
Ce	9331210	45.4	45.8	0.9%	9331221	10.1	10.0	1.0%								
Co	9331210	34.2	35.2	2.9%	9331221	62.5	63.6	1.7%								
Cr	9331210	0.032	0.031	3.2%	9331221	0.022	0.022	0.0%								
Cs	9331210	0.5	0.5	0.0%	9331221	1.9	1.9	0.0%								
Cu	9331210	89	93	4.4%	9331221	158	156	1.3%								
Dy	9331210	3.41	3.41	0.0%	9331221	3.63	3.68	1.4%								
Er	9331210	1.91	1.98	3.6%	9331221	2.38	2.35	1.3%								
Eu	9331210	1.36	1.31	3.7%	9331221	0.804	0.857	6.4%								
Fe	9331210	6.52	6.52	0.0%	9331221	7.00	6.97	0.4%								
Ga	9331210	16.8	17.1	1.8%	9331221	19.4	19.3	0.5%								
Gd	9331210	4.80	4.66	3.0%	9331221	3.03	3.20	5.5%								
Ge	9331218	1	1	0.0%	9331221	1	1	0.0%								
Hf	9331210	3	3	0.0%	9331221	2	2	0.0%								
Ho	9331210	0.66	0.66	0.0%	9331221	0.78	0.78	0.0%								
In	9331210	< 0.2	< 0.2	0.0%	9331221	0.2	0.2	0.0%								
K	9331210	1.03	1.04	1.0%	9331221	1.53	1.52	0.7%								
La	9331210	20.7	20.7	0.0%	9331221	4.1	4.0	2.5%								
Li	9331210	16	15	6.5%	9331221	24	24	0.0%								
Lu	9331210	0.261	0.268	2.6%	9331221	0.34	0.33	3.0%								
Mg	9331210	3.41	3.40	0.3%	9331221	2.16	2.17	0.5%								
Mn	9331210	1350	1360	0.7%	9331221	1560	1570	0.6%								
Mo	9331218	2	2	0.0%	9331221	4	4	0.0%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9331210	5	5	0.0%	9331221	3	3	0.0%								
Nd	9331210	25.2	25.2	0.0%	9331221	7.9	7.7	2.6%								
Ni	9331210	89	88	1.1%	9331221	89	89	0.0%								
P	9331210	0.136	0.134	1.5%	9331221	0.04	0.04	0.0%								
Pb	9331210	26	28	7.4%	9331221	113	105	7.3%								
Pr	9331210	6.01	5.97	0.7%	9331221	1.56	1.55	0.6%								
Rb	9331210	35.1	35.0	0.3%	9331221	65.0	66.0	1.5%								
S	9331210	0.14	0.14	0.0%	9331221	0.964	0.972	0.8%								
Sb	9331210	0.27	0.21	25.0%	9331221	1.3	1.3	0.0%								
Sc	9331210	24	24	0.0%	9331221	41	41	0.0%								
Si	9331210	26.2	26.1	0.4%	9331221	25.0	24.9	0.4%								
Sm	9331210	5.56	5.32	4.4%	9331221	2.4	2.5	4.1%								
Sn	9331218	2	2	0.0%	9331221	2	2	0.0%								
Sr	9331210	236	237	0.4%	9331221	182	180	1.1%								
Ta	9331210	< 0.5	< 0.5	0.0%	9331221	< 0.5	< 0.5	0.0%								
Tb	9331210	0.660	0.666	0.9%	9331221	0.57	0.58	1.7%								
Th	9331210	3.5	3.5	0.0%	9331221	0.56	0.54	3.6%								
Ti	9331210	0.41	0.41	0.0%	9331221	0.66	0.66	0.0%								
Tl	9331210	< 0.5	< 0.5	0.0%	9331221	0.5	0.5	0.0%								
Tm	9331210	0.27	0.27	0.0%	9331221	0.350	0.355	1.4%								
U	9331210	1.15	1.18	2.6%	9331221	0.15	0.15	0.0%								
V	9331210	182	184	1.1%	9331221	294	295	0.3%								
W	9331210	< 1	< 1	0.0%	9331221	2	2	0.0%								
Y	9331210	18.7	19.1	2.1%	9331221	21.3	21.5	0.9%								
Yb	9331210	1.72	1.76	2.3%	9331221	2.27	2.24	1.3%								
Zn	9331210	96	90	6.5%	9331221	114	114	0.0%								
Zr	9331210	105	107	1.9%	9331221	60.3	62.7	3.9%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag					6.39	6.48	101%	90% - 110%								
Al	10.95	10.64	97%	90% - 110%	4.30	4.43	103%	90% - 110%								
Ba	340	331	97%	90% - 110%												
Be	2.6	2.7	104%	90% - 110%												
Ca	5.72	5.73	100%	90% - 110%	2.21	2.42	110%	90% - 110%								
Ce	122	122	100%	90% - 110%												
Co	2.8	2.6	94%	90% - 110%	672	727	108%	90% - 110%								
Cr					0.032	0.0325	101%	90% - 110%								
Cs	1.5	1.5	103%	90% - 110%												
Cu	7	5	71%	90% - 110%	11850	11892	100%	90% - 110%								
Dy	18.2	18.6	102%	90% - 110%												
Er	14.2	14.7	103%	90% - 110%												
Eu	2.0	1.9	95%	90% - 110%												
Fe	4.34	4.32	99%	90% - 110%	25.54	26.6	104%	90% - 110%								
Ga	35	37	107%	90% - 110%												
Gd	14	14.5	104%	90% - 110%												
Hf	10.6	10.2	96%	90% - 110%												
Ho	4.3	4.4	103%	90% - 110%												
K	1.37	1.36	99%	90% - 110%												
La	58	59	102%	90% - 110%												
Li	37	38	103%	90% - 110%												
Lu	2.1	2.1	99%	90% - 110%												
Mg	0.325	0.317	97%	90% - 110%	1.79	1.91	107%	90% - 110%								
Mn	836	791	95%	90% - 110%	703	718	102%	90% - 110%								
Nb	13	14	110%	90% - 110%												
Nd	57	59	104%	90% - 110%												
Ni	9	6	72%	90% - 110%	19530	19210	98%	90% - 110%								
Pb	10	10	104%	90% - 110%	58	61	106%	90% - 110%								
Pr	15.0	15.3	102%	90% - 110%												
Rb	55	56	101%	90% - 110%												
S					14.14	14.62	103%	90% - 110%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	23.3	22.9	98%	90% - 110%	15.23	15.05	99%	90% - 110%								
Sm	12.7	13.1	103%	90% - 110%												
Sn	7.1	8.9	126%	90% - 110%												
Sr	1191	1193	100%	90% - 110%												
Ta	0.9	0.8	87%	90% - 110%												
Tb	2.6	2.7	105%	90% - 110%												
Th	1.4	1.5	109%	90% - 110%												
Ti	0.172	0.166	97%	90% - 110%												
Tm	2.3	2.3	99%	90% - 110%												
U	0.8	0.8	101%	90% - 110%												
V	8	6	74%	90% - 110%												
Y	119	128	108%	90% - 110%												
Yb	14.8	15.1	102%	90% - 110%												
Zn	93	90.2	97%	90% - 110%	235	258	110%	90% - 110%								
Zr	517	525	102%	90% - 110%												



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-128D
 SAMPLING SITE:

AGAT WORK ORDER: 18T350773
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-128D
SAMPLING SITE:

AGAT WORK ORDER: 18T350773
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-129A

AGAT WORK ORDER: 18T350345

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Aug 09, 2018

PAGES (INCLUDING COVER): 30

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563215 (9326258)		1.22
E6563216 (9326259)		2.53
E6563217 (9326260)		2.45
E6563218 (9326261)		2.45
E6563219 (9326262)		2.92
E6563220 (9326263)		2.68
E6563221 (9326264)		2.65
E6563222 (9326265)		3.17
E6563223 (9326266)		2.79
E6563224 (9326267)		3.20
E6563225 (9326268)		2.46
E6563226 (9326269)		0.05
E6563227 (9326270)		2.71
E6563228 (9326271)		1.28
E6563229 (9326272)		0.80
E6563230 (9326273)		1.50
E6563231 (9326274)		2.71
E6563232 (9326275)		1.76
E6563233 (9326276)		2.04
E6563234 (9326277)		2.71
E6563235 (9326278)		2.25
E6563236 (9326279)		1.83
E6563237 (9326280)		2.55
E6563238 (9326281)		2.55
E6563239 (9326282)		2.89
E6563240 (9326283)		2.48
E6563241 (9326284)		2.67
E6563242 (9326285)		2.97
E6563243 (9326286)		2.78
E6563244 (9326287)		2.71
E6563245 (9326288)		2.69

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563246 (9326289)		0.05
E6563247 (9326290)		2.81
E6563248 (9326291)		2.87
E6563249 (9326292)		2.62
E6563250 (9326293)		2.36
E6563251 (9326294)		2.09
E6563252 (9326295)		1.82
E6563253 (9326296)		2.75
E6563254 (9326297)		2.87
E6563255 (9326298)		2.99
E6563256 (9326299)		2.63
E6563257 (9326300)		2.73
E6563258 (9326301)		2.73
E6563259 (9326302)		3.01
E6563260 (9326303)		2.58
E6563261 (9326304)		2.46
E6563262 (9326305)		2.53
E6563263 (9326306)		2.90
E6563264 (9326307)		2.65
E6563265 (9326308)		2.79
E6563266 (9326309)		0.05
E6563267 (9326310)		2.87
E6563268 (9326311)		2.76
E6563269 (9326312)		2.50
E6563270 (9326313)		2.84
E6563271 (9326314)		3.02
E6563272 (9326315)		1.96
E6563273 (9326316)		2.70
E6563274 (9326317)		2.76
E6563275 (9326318)		2.59
E6563276 (9326319)		2.93

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6563277 (9326320)		2.45
E6563278 (9326321)		2.45

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6563215 (9326258)		<1	8.30	191	<20	200	<5	0.5	6.58	<0.2	14.8	48.1	0.020	0.5	162
E6563216 (9326259)		<1	8.70	<5	34	192	<5	0.3	6.72	<0.2	11.9	42.4	0.020	0.4	50
E6563217 (9326260)		<1	9.04	<5	25	190	<5	0.3	6.99	<0.2	10.6	42.9	0.021	0.5	87
E6563218 (9326261)		<1	9.06	<5	25	190	<5	0.2	7.02	<0.2	10.6	41.7	0.021	0.5	82
E6563219 (9326262)		2	8.43	<5	27	249	<5	0.3	6.16	<0.2	9.9	43.6	0.020	0.6	121
E6563220 (9326263)		<1	8.23	11	38	144	<5	0.7	6.96	<0.2	12.1	64.9	0.020	0.3	251
E6563221 (9326264)		<1	8.56	10	23	228	<5	0.5	6.58	<0.2	11.7	54.9	0.021	0.4	162
E6563222 (9326265)		<1	8.54	5	59	209	<5	0.6	6.81	<0.2	11.7	85.5	0.020	0.4	227
E6563223 (9326266)		<1	8.81	<5	<20	210	<5	0.4	6.44	<0.2	10.1	49.4	0.022	0.7	95
E6563224 (9326267)		<1	8.85	<5	20	195	<5	0.2	7.60	<0.2	10.5	48.2	0.021	0.6	97
E6563225 (9326268)		<1	8.54	<5	25	188	<5	0.4	7.24	<0.2	10.7	54.3	0.020	0.8	183
E6563226 (9326269)		<1	4.85	578	104	174	<5	8.2	4.20	<0.2	74.6	1010	0.006	2.7	3150
E6563227 (9326270)		<1	8.69	23	27	210	<5	1.2	5.43	<0.2	11.2	58.8	0.020	0.6	163
E6563228 (9326271)		<1	8.49	32	<20	283	<5	0.9	4.10	<0.2	10.5	47.4	0.020	0.6	140
E6563229 (9326272)		4	4.71	551	<20	10.8	<5	6.3	5.31	0.8	8.1	87.0	0.222	0.6	760
E6563230 (9326273)		1	8.72	51	<20	142	<5	1.5	3.28	0.3	9.1	36.1	0.020	0.5	84
E6563231 (9326274)		2	8.44	19	22	290	<5	0.6	5.09	0.3	12.1	40.5	0.019	0.8	72
E6563232 (9326275)		<1	0.09	<5	<20	16.6	<5	<0.1	32.6	<0.2	0.9	0.9	<0.005	<0.1	8
E6563233 (9326276)		<1	8.36	37	<20	171	<5	0.3	4.66	<0.2	10.4	55.5	0.020	0.4	89
E6563234 (9326277)		<1	8.27	36	<20	219	<5	0.6	5.74	0.3	10.9	64.4	0.019	0.5	111
E6563235 (9326278)		<1	8.05	26	<20	127	<5	0.4	4.39	0.2	9.1	55.7	0.038	0.5	122
E6563236 (9326279)		<1	8.67	5	<20	192	<5	0.2	6.16	<0.2	9.6	48.1	0.021	0.8	86
E6563237 (9326280)		<1	8.93	<5	<20	145	<5	0.1	7.61	<0.2	11.1	49.6	0.021	0.6	50
E6563238 (9326281)		<1	8.99	<5	<20	153	<5	<0.1	7.55	<0.2	10.6	50.1	0.022	0.6	49
E6563239 (9326282)		<1	8.65	<5	<20	161	<5	0.1	7.85	<0.2	10.4	52.2	0.020	0.7	89
E6563240 (9326283)		<1	8.47	<5	<20	120	<5	0.1	7.48	<0.2	11.5	51.7	0.020	0.6	118
E6563241 (9326284)		<1	8.57	<5	<20	163	<5	0.1	7.46	<0.2	10.8	51.7	0.021	0.7	112
E6563242 (9326285)		<1	7.98	<5	<20	102	<5	0.3	8.55	<0.2	9.6	62.8	0.020	0.7	252
E6563243 (9326286)		<1	8.57	<5	<20	113	<5	0.2	7.80	0.3	10.2	60.1	0.021	0.6	146
E6563244 (9326287)		1	8.52	<5	<20	123	<5	0.2	7.55	<0.2	11.4	56.5	0.022	0.7	97
E6563245 (9326288)		<1	8.75	<5	<20	138	<5	0.1	6.62	<0.2	10.5	57.4	0.020	0.8	103
E6563246 (9326289)		<1	4.69	593	99	172	<5	8.5	4.02	<0.2	72.9	1000	0.006	2.7	3070

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6563247 (9326290)		<1	8.54	<5	<20	136	<5	0.8	7.10	<0.2	10.6	57.2	0.020	0.4	103
E6563248 (9326291)		<1	8.33	<5	<20	138	<5	0.3	7.23	<0.2	10.9	61.0	0.021	0.7	100
E6563249 (9326292)		<1	7.91	<5	<20	147	<5	<0.1	6.30	<0.2	10.0	45.4	0.019	0.4	66
E6563250 (9326293)		<1	8.57	<5	<20	195	<5	<0.1	5.28	<0.2	10.4	32.6	0.021	1.6	71
E6563251 (9326294)		<1	9.04	12	<20	186	<5	0.2	5.67	0.2	10.8	46.6	0.021	1.8	95
E6563252 (9326295)		<1	0.21	<5	<20	16.3	<5	<0.1	31.2	<0.2	1.3	1.6	<0.005	<0.1	7
E6563253 (9326296)		<1	8.39	13	<20	173	<5	0.2	5.48	0.2	10.6	40.0	0.019	0.9	126
E6563254 (9326297)		<1	8.55	8	<20	160	<5	0.2	7.01	<0.2	10.1	52.7	0.020	0.4	104
E6563255 (9326298)		<1	8.49	<5	<20	165	<5	0.2	8.36	<0.2	10.9	48.1	0.020	0.4	127
E6563256 (9326299)		<1	8.48	11	<20	158	<5	0.3	7.03	1.7	10.3	49.9	0.020	0.6	104
E6563257 (9326300)		<1	8.69	17	<20	184	<5	0.6	5.46	1.7	10.9	48.8	0.020	0.7	92
E6563258 (9326301)		<1	8.79	20	<20	194	<5	0.6	5.67	1.5	10.6	51.3	0.020	0.8	90
E6563259 (9326302)		<1	8.09	12	<20	144	<5	0.3	5.55	0.2	22.1	42.2	0.027	0.3	58
E6563260 (9326303)		<1	8.51	<5	<20	195	<5	0.3	6.13	<0.2	9.1	56.1	0.021	0.7	128
E6563261 (9326304)		<1	8.47	<5	<20	188	<5	0.2	4.24	<0.2	9.5	46.0	0.019	0.7	159
E6563262 (9326305)		<1	9.07	<5	21	233	<5	0.1	5.89	<0.2	10.1	43.9	0.020	0.7	63
E6563263 (9326306)		<1	8.68	<5	23	160	<5	0.1	7.29	0.2	10.7	44.9	0.021	0.6	113
E6563264 (9326307)		<1	8.02	<5	<20	124	<5	0.1	8.70	<0.2	10.1	57.6	0.020	0.3	118
E6563265 (9326308)		<1	8.78	<5	<20	164	<5	<0.1	7.12	<0.2	10.6	44.4	0.021	0.7	40
E6563266 (9326309)		<1	4.68	592	96	167	<5	8.5	4.08	<0.2	72.8	1020	0.005	2.7	3010
E6563267 (9326310)		<1	7.87	<5	<20	125	<5	0.8	8.28	<0.2	12.7	59.3	0.019	1.0	258
E6563268 (9326311)		<1	8.23	<5	<20	140	<5	0.3	7.69	<0.2	11.2	56.5	0.020	0.7	132
E6563269 (9326312)		<1	8.56	<5	<20	143	<5	0.2	7.66	<0.2	10.0	58.8	0.021	0.5	85
E6563270 (9326313)		<1	8.22	<5	<20	111	<5	0.2	8.30	<0.2	9.6	55.1	0.019	0.7	124
E6563271 (9326314)		<1	8.57	<5	<20	141	<5	<0.1	8.20	<0.2	12.3	47.5	0.021	0.4	52
E6563272 (9326315)		<1	0.11	<5	<20	12.5	<5	<0.1	32.6	<0.2	1.0	1.2	<0.005	<0.1	<5
E6563273 (9326316)		<1	8.59	<5	<20	103	<5	<0.1	7.05	<0.2	9.6	67.6	0.021	1.0	111
E6563274 (9326317)		<1	8.53	<5	<20	106	<5	<0.1	7.60	<0.2	9.6	65.0	0.020	0.8	84
E6563275 (9326318)		<1	8.64	<5	<20	99.9	<5	<0.1	7.28	<0.2	10.1	58.5	0.022	0.6	172
E6563276 (9326319)		<1	8.25	<5	<20	82.3	<5	0.1	7.86	<0.2	9.8	62.2	0.022	0.6	112
E6563277 (9326320)		<1	8.32	<5	<20	99.0	<5	<0.1	8.07	<0.2	10.3	67.2	0.022	0.5	140
E6563278 (9326321)		<1	8.32	<5	<20	94.0	<5	0.2	8.07	<0.2	10.2	65.0	0.021	0.6	138

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 09, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563215 (9326258)	3.99	2.51	1.12	8.28	18.5	3.44	2	2	0.87	<0.2	0.72	6.6	20	0.40	
E6563216 (9326259)	4.14	2.75	1.24	8.40	18.8	3.51	1	2	0.93	<0.2	0.61	4.7	20	0.42	
E6563217 (9326260)	3.99	2.58	0.95	7.43	19.2	3.46	1	2	0.85	<0.2	0.63	4.1	18	0.39	
E6563218 (9326261)	3.97	2.56	0.98	7.47	19.1	3.23	1	2	0.85	<0.2	0.64	4.0	17	0.37	
E6563219 (9326262)	3.77	2.52	0.92	8.28	17.4	3.07	1	2	0.83	<0.2	0.86	3.7	19	0.40	
E6563220 (9326263)	4.38	2.86	1.21	9.84	20.1	3.51	2	2	0.94	<0.2	0.44	4.9	13	0.45	
E6563221 (9326264)	4.32	2.74	1.31	8.59	18.5	3.73	1	2	0.91	<0.2	0.76	4.6	15	0.41	
E6563222 (9326265)	4.09	2.71	1.13	9.53	19.8	3.66	2	2	0.89	<0.2	0.66	4.7	16	0.41	
E6563223 (9326266)	3.73	2.57	1.03	8.35	18.3	3.28	1	2	0.83	<0.2	0.72	4.0	15	0.38	
E6563224 (9326267)	3.98	2.59	1.00	8.43	18.2	3.36	1	2	0.87	<0.2	0.74	4.1	12	0.39	
E6563225 (9326268)	3.89	2.63	0.99	8.30	17.9	3.26	2	2	0.88	<0.2	0.75	4.2	14	0.38	
E6563226 (9326269)	3.13	1.90	1.04	3.29	11.6	4.13	2	5	0.65	0.3	3.21	37.0	<10	0.28	
E6563227 (9326270)	3.77	2.51	1.27	7.78	18.3	3.24	1	2	0.84	<0.2	0.83	4.5	19	0.39	
E6563228 (9326271)	3.63	2.42	1.06	7.91	16.4	2.99	1	2	0.79	<0.2	1.24	4.0	40	0.37	
E6563229 (9326272)	1.80	1.21	0.44	11.7	16.8	1.91	1	1	0.41	<0.2	0.11	3.1	57	0.18	
E6563230 (9326273)	3.39	2.32	0.79	6.95	16.1	2.88	1	2	0.77	<0.2	0.67	3.6	42	0.33	
E6563231 (9326274)	3.86	2.58	1.12	7.90	17.5	3.39	1	2	0.86	<0.2	0.98	4.7	39	0.38	
E6563232 (9326275)	0.20	0.16	0.08	0.17	0.27	0.22	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05	
E6563233 (9326276)	3.77	2.50	1.14	8.31	17.0	3.27	1	2	0.82	<0.2	0.73	3.9	31	0.39	
E6563234 (9326277)	4.17	2.88	1.09	9.87	17.5	3.49	1	2	0.92	<0.2	0.68	4.5	21	0.46	
E6563235 (9326278)	3.56	2.44	0.95	8.29	15.0	3.08	1	2	0.78	<0.2	0.43	3.4	18	0.34	
E6563236 (9326279)	3.60	2.33	0.99	7.48	18.0	3.12	1	2	0.79	<0.2	0.76	3.6	17	0.37	
E6563237 (9326280)	3.96	2.60	1.15	7.88	19.6	3.54	2	2	0.89	<0.2	0.64	4.2	13	0.39	
E6563238 (9326281)	4.04	2.70	1.32	7.75	19.5	3.43	2	2	0.88	<0.2	0.63	4.1	12	0.40	
E6563239 (9326282)	3.94	2.72	1.21	8.63	18.6	3.33	2	2	0.88	<0.2	0.72	3.9	10	0.42	
E6563240 (9326283)	4.49	2.94	1.11	8.63	18.5	3.80	2	2	0.96	<0.2	0.52	4.5	<10	0.42	
E6563241 (9326284)	4.15	2.80	1.07	8.44	18.4	3.42	2	2	0.93	<0.2	0.70	4.2	<10	0.42	
E6563242 (9326285)	4.08	2.80	0.88	10.6	17.1	3.23	2	2	0.92	<0.2	0.39	3.8	<10	0.46	
E6563243 (9326286)	3.83	2.74	1.02	8.58	18.2	3.22	2	2	0.86	<0.2	0.41	4.2	<10	0.40	
E6563244 (9326287)	4.00	2.66	1.02	8.03	18.4	3.41	1	2	0.88	<0.2	0.48	4.4	<10	0.40	
E6563245 (9326288)	3.76	2.37	1.13	7.15	18.4	3.22	1	2	0.82	<0.2	0.46	4.0	12	0.36	
E6563246 (9326289)	3.09	1.91	1.27	3.24	12.0	4.00	2	5	0.63	0.3	3.11	36.0	<10	0.28	

Certified By:



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AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018		DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 09, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563247 (9326290)	3.75	2.60	1.34	7.98	18.6	3.29	2	2	0.83	<0.2	0.55	4.2	<10	0.38	
E6563248 (9326291)	3.96	2.52	1.12	7.90	18.3	3.40	2	2	0.87	<0.2	0.59	4.2	<10	0.39	
E6563249 (9326292)	3.65	2.43	0.89	7.06	16.7	3.10	2	2	0.80	<0.2	0.45	4.0	<10	0.36	
E6563250 (9326293)	3.30	2.17	0.89	5.56	18.4	3.01	1	2	0.73	<0.2	0.58	4.1	14	0.31	
E6563251 (9326294)	3.75	2.51	1.09	7.97	19.1	3.32	1	2	0.85	<0.2	0.64	4.2	23	0.37	
E6563252 (9326295)	0.30	0.19	0.07	0.28	0.52	0.28	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	
E6563253 (9326296)	3.73	2.41	1.06	7.30	17.9	3.30	1	2	0.78	<0.2	0.61	4.1	18	0.35	
E6563254 (9326297)	4.07	2.65	1.18	8.89	18.9	3.37	2	2	0.92	<0.2	0.54	3.8	16	0.42	
E6563255 (9326298)	4.14	2.83	1.15	8.80	18.4	3.36	2	2	0.91	<0.2	0.52	4.1	<10	0.44	
E6563256 (9326299)	3.91	2.57	1.45	8.44	18.3	3.42	2	2	0.90	<0.2	0.63	4.0	15	0.39	
E6563257 (9326300)	3.68	2.39	1.39	7.19	18.5	3.31	1	2	0.82	<0.2	0.78	4.2	20	0.36	
E6563258 (9326301)	3.70	2.44	1.15	7.44	18.5	3.27	1	2	0.82	<0.2	0.79	4.1	22	0.38	
E6563259 (9326302)	3.88	2.35	1.53	7.91	18.4	3.92	1	2	0.82	<0.2	0.53	9.3	20	0.34	
E6563260 (9326303)	3.77	2.53	0.97	9.37	19.1	3.12	2	2	0.85	<0.2	0.77	3.5	16	0.40	
E6563261 (9326304)	3.52	2.29	1.03	6.79	17.8	2.91	1	2	0.77	<0.2	0.84	3.7	17	0.35	
E6563262 (9326305)	3.74	2.44	1.02	6.62	18.6	3.13	1	2	0.79	<0.2	0.88	3.9	18	0.34	
E6563263 (9326306)	3.76	2.51	1.03	7.32	19.0	3.30	1	2	0.83	<0.2	0.61	4.2	11	0.37	
E6563264 (9326307)	4.13	2.85	1.20	9.15	18.0	3.44	2	2	0.93	<0.2	0.51	3.9	<10	0.43	
E6563265 (9326308)	3.90	2.52	1.00	7.20	17.8	3.36	1	2	0.83	<0.2	0.68	4.0	11	0.38	
E6563266 (9326309)	3.14	1.98	1.02	3.27	11.9	4.16	2	5	0.63	0.3	3.07	35.8	<10	0.30	
E6563267 (9326310)	3.98	2.74	0.93	9.84	18.3	3.26	1	2	0.90	<0.2	0.47	3.9	12	0.43	
E6563268 (9326311)	3.96	2.63	0.93	8.59	18.2	3.28	2	2	0.87	<0.2	0.58	4.5	14	0.38	
E6563269 (9326312)	3.80	2.54	1.00	7.76	18.5	3.14	2	2	0.84	<0.2	0.53	3.9	<10	0.38	
E6563270 (9326313)	3.81	2.57	0.95	8.80	17.8	3.14	2	2	0.84	<0.2	0.42	3.6	<10	0.39	
E6563271 (9326314)	3.85	2.43	0.97	7.29	18.8	3.19	2	2	0.85	<0.2	0.41	4.2	<10	0.38	
E6563272 (9326315)	0.23	0.19	0.11	0.15	0.41	0.27	<1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05	
E6563273 (9326316)	3.67	2.51	0.91	8.79	18.9	3.04	2	2	0.83	<0.2	0.31	3.8	12	0.40	
E6563274 (9326317)	3.86	2.58	0.99	8.68	18.0	3.23	2	2	0.84	<0.2	0.37	3.6	17	0.39	
E6563275 (9326318)	3.91	2.65	0.97	8.11	19.0	3.27	2	2	0.86	<0.2	0.37	3.9	11	0.38	
E6563276 (9326319)	3.70	2.52	0.94	9.00	17.7	3.19	2	2	0.83	<0.2	0.29	3.7	10	0.38	
E6563277 (9326320)	4.05	2.69	1.04	8.66	18.3	3.43	2	2	0.91	<0.2	0.39	4.0	<10	0.41	
E6563278 (9326321)	3.93	2.65	0.97	8.65	17.9	3.33	2	2	0.87	<0.2	0.38	4.0	11	0.40	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 09, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %	
Sample ID (AGAT ID)	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563215 (9326258)	2.37	1950	6	3	9.6	74	0.03	13	2.11	28.7	0.20	0.6	43	24.5	
E6563216 (9326259)	2.54	2090	2	2	8.9	79	0.03	16	1.80	25.0	0.17	0.7	45	23.5	
E6563217 (9326260)	2.19	1950	4	2	7.9	72	0.03	16	1.63	31.0	0.12	1.1	44	24.4	
E6563218 (9326261)	2.14	1940	4	2	8.1	69	0.04	15	1.63	30.1	0.11	0.4	44	24.5	
E6563219 (9326262)	2.36	2100	3	2	7.4	72	0.03	10	1.50	37.3	0.27	2.1	42	23.7	
E6563220 (9326263)	2.72	2290	4	2	9.0	80	0.03	28	1.84	16.3	0.74	1.0	52	22.7	
E6563221 (9326264)	2.43	1950	3	2	9.0	71	0.04	30	1.77	30.6	0.56	0.9	46	23.5	
E6563222 (9326265)	2.45	2110	3	2	8.8	94	0.04	14	1.76	30.2	0.93	1.4	46	22.4	
E6563223 (9326266)	2.22	2030	4	2	7.8	79	0.03	6	1.58	35.2	0.29	1.2	43	23.9	
E6563224 (9326267)	2.32	1970	3	2	7.9	77	0.04	8	1.59	37.9	0.14	0.5	45	23.6	
E6563225 (9326268)	2.24	1970	4	2	7.8	78	0.03	12	1.65	38.7	0.35	2.7	43	23.6	
E6563226 (9326269)	2.72	468	13	8	31.1	164	0.07	14	8.71	110	1.55	1.9	6	27.1	
E6563227 (9326270)	2.38	1760	3	2	8.0	77	0.03	35	1.66	37.1	0.57	0.8	43	23.8	
E6563228 (9326271)	3.21	1710	3	2	7.7	80	0.04	26	1.60	47.7	0.31	1.7	41	23.9	
E6563229 (9326272)	10.6	2120	9	1	5.9	624	0.14	166	1.21	3.9	0.49	1.7	23	19.2	
E6563230 (9326273)	2.79	1560	3	2	6.8	80	0.03	51	1.39	30.3	0.31	0.9	39	24.6	
E6563231 (9326274)	2.67	1760	2	2	8.6	81	0.03	71	1.77	50.1	0.20	8.3	41	24.3	
E6563232 (9326275)	3.37	95	<2	<1	0.8	<5	<0.01	<5	0.20	0.6	<0.01	<0.1	<5	3.73	
E6563233 (9326276)	2.57	1920	4	2	7.9	80	0.04	22	1.64	27.7	0.25	0.6	43	24.3	
E6563234 (9326277)	2.84	2010	2	2	8.1	95	0.03	39	1.66	30.5	0.52	0.8	47	22.6	
E6563235 (9326278)	3.32	1910	3	2	6.9	135	0.04	29	1.41	21.9	0.50	0.8	43	23.7	
E6563236 (9326279)	2.10	2100	4	2	7.3	79	0.04	8	1.48	40.1	0.12	0.2	38	24.6	
E6563237 (9326280)	2.02	2080	4	2	8.4	83	0.03	<5	1.68	34.2	0.05	0.2	43	23.6	
E6563238 (9326281)	2.05	2080	5	2	8.2	85	0.03	<5	1.65	35.2	0.05	0.4	44	23.8	
E6563239 (9326282)	2.12	2200	4	2	8.1	96	0.03	<5	1.60	42.2	0.12	0.4	42	22.9	
E6563240 (9326283)	2.29	2310	3	2	8.9	81	0.03	<5	1.76	26.7	0.13	0.2	42	23.6	
E6563241 (9326284)	2.07	2090	4	2	8.1	92	0.03	<5	1.67	40.5	0.18	0.2	43	23.3	
E6563242 (9326285)	2.82	2690	5	2	7.3	95	0.03	<5	1.47	21.7	0.52	0.3	44	21.8	
E6563243 (9326286)	2.25	2160	4	2	7.6	92	0.04	<5	1.55	21.3	0.32	0.7	43	23.0	
E6563244 (9326287)	2.04	2100	6	3	8.4	100	0.04	<5	1.72	25.4	0.17	3.7	43	23.4	
E6563245 (9326288)	2.00	1930	4	2	7.9	97	0.04	8	1.58	25.7	0.12	0.2	39	24.4	
E6563246 (9326289)	2.61	462	12	8	30.5	168	0.07	14	8.49	114	1.53	1.6	6	26.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 09, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563247 (9326290)	2.19	1910	4	2	7.9	106	0.03	5	1.60	26.4	0.15	0.3	41	23.8	
E6563248 (9326291)	2.19	1990	6	2	8.2	108	0.04	<5	1.70	33.7	0.16	0.3	42	24.2	
E6563249 (9326292)	1.81	1720	3	2	7.6	82	0.03	5	1.49	22.2	0.06	0.3	39	26.2	
E6563250 (9326293)	1.51	1520	5	2	7.7	55	0.04	<5	1.58	34.8	0.07	0.2	38	27.1	
E6563251 (9326294)	2.25	2040	3	2	8.2	76	0.04	17	1.63	35.7	0.10	0.3	43	24.1	
E6563252 (9326295)	2.82	105	<2	<1	1.0	<5	<0.01	<5	0.24	0.8	<0.01	<0.1	<5	5.64	
E6563253 (9326296)	2.09	1750	3	2	8.0	65	0.03	20	1.61	29.5	0.13	0.3	41	25.7	
E6563254 (9326297)	2.20	1990	3	2	7.7	84	0.03	17	1.54	22.9	0.28	0.7	45	23.5	
E6563255 (9326298)	2.13	2170	3	2	8.2	82	0.04	22	1.67	22.1	0.19	0.5	45	23.0	
E6563256 (9326299)	2.22	1920	4	2	8.0	82	0.03	412	1.60	32.3	0.19	0.4	45	23.9	
E6563257 (9326300)	2.17	1680	4	2	7.9	70	0.03	124	1.67	38.1	0.17	0.4	39	25.0	
E6563258 (9326301)	2.27	1780	3	2	7.9	73	0.04	98	1.61	37.7	0.18	0.4	42	24.4	
E6563259 (9326302)	2.77	1690	3	3	14.1	95	0.08	25	3.08	22.1	0.19	0.5	34	24.0	
E6563260 (9326303)	2.44	2120	4	2	7.3	93	0.04	10	1.41	33.6	0.50	0.5	45	23.2	
E6563261 (9326304)	1.94	1600	3	2	7.1	65	0.04	13	1.46	38.2	0.29	0.4	40	25.7	
E6563262 (9326305)	2.09	1640	3	2	7.7	73	0.04	13	1.57	46.1	0.05	0.2	42	25.1	
E6563263 (9326306)	2.01	1770	4	2	8.0	73	0.04	7	1.62	34.0	0.14	0.3	44	24.5	
E6563264 (9326307)	2.78	2260	4	2	7.7	92	0.04	<5	1.59	29.1	0.22	0.3	46	22.4	
E6563265 (9326308)	2.12	1920	4	2	8.3	80	0.04	7	1.66	38.0	0.03	0.2	43	24.4	
E6563266 (9326309)	2.50	451	12	8	30.2	165	0.06	16	8.35	114	1.47	1.7	6	26.8	
E6563267 (9326310)	2.65	2330	6	2	7.5	88	0.03	5	1.55	28.0	0.55	0.2	44	22.4	
E6563268 (9326311)	2.50	2040	4	2	7.9	92	0.04	6	1.68	31.9	0.18	0.2	42	22.9	
E6563269 (9326312)	2.15	1900	5	2	7.7	92	0.03	5	1.53	29.3	0.19	0.2	41	23.8	
E6563270 (9326313)	2.58	2210	4	2	7.4	95	0.03	<5	1.46	22.5	0.43	0.2	41	22.5	
E6563271 (9326314)	2.16	1990	4	2	7.8	84	0.03	6	1.64	17.8	0.05	<0.1	41	23.6	
E6563272 (9326315)	2.65	90	<2	<1	0.9	<5	<0.01	<5	0.22	0.6	<0.01	<0.1	<5	3.81	
E6563273 (9326316)	2.37	2280	4	2	7.2	103	0.03	<5	1.47	17.8	0.22	<0.1	40	23.0	
E6563274 (9326317)	2.48	2150	4	2	7.3	108	0.03	6	1.48	19.2	0.07	<0.1	42	23.5	
E6563275 (9326318)	2.19	1980	6	2	7.6	107	0.03	10	1.56	20.2	0.13	0.1	41	24.7	
E6563276 (9326319)	2.51	2090	6	2	7.4	114	0.03	6	1.52	16.6	0.18	0.2	43	23.0	
E6563277 (9326320)	2.28	2120	7	2	7.9	123	0.04	5	1.60	21.4	0.22	<0.1	43	24.0	
E6563278 (9326321)	2.25	2090	7	2	7.8	120	0.03	<5	1.55	20.8	0.20	0.1	43	24.3	

Certified By:



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AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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 MISSISSAUGA, ONTARIO
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Aug 09, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6563215 (9326258)	2.6	7	156	0.8	0.60	1.6	0.58	<0.5	0.40	0.46	276	<1	24.2	2.4	
E6563216 (9326259)	2.7	1	148	<0.5	0.62	0.6	0.67	<0.5	0.41	0.14	300	<1	25.1	2.6	
E6563217 (9326260)	2.6	2	144	<0.5	0.58	0.6	0.67	<0.5	0.38	0.11	294	2	23.7	2.4	
E6563218 (9326261)	2.6	1	144	<0.5	0.58	0.6	0.68	<0.5	0.39	0.11	296	1	23.5	2.4	
E6563219 (9326262)	2.4	5	118	<0.5	0.55	0.5	0.63	<0.5	0.39	0.13	282	5	23.4	2.4	
E6563220 (9326263)	2.8	2	156	<0.5	0.63	0.5	0.61	<0.5	0.46	0.14	325	1	26.1	2.8	
E6563221 (9326264)	2.7	2	143	<0.5	0.62	0.5	0.64	<0.5	0.41	0.11	307	1	24.9	2.5	
E6563222 (9326265)	2.7	2	150	<0.5	0.61	0.5	0.63	<0.5	0.43	0.11	311	<1	24.6	2.5	
E6563223 (9326266)	2.4	2	136	<0.5	0.57	0.5	0.66	<0.5	0.38	0.12	296	1	23.1	2.4	
E6563224 (9326267)	2.6	2	147	<0.5	0.59	0.4	0.66	<0.5	0.38	0.12	307	<1	23.7	2.5	
E6563225 (9326268)	2.5	16	145	<0.5	0.57	0.5	0.62	<0.5	0.40	0.12	287	2	23.5	2.4	
E6563226 (9326269)	5.6	4	29.6	<0.5	0.57	11.2	0.24	0.8	0.29	6.58	52	4	18.7	1.8	
E6563227 (9326270)	2.6	2	131	<0.5	0.55	0.8	0.63	<0.5	0.38	0.11	289	1	23.0	2.4	
E6563228 (9326271)	2.4	1	87.7	<0.5	0.55	0.5	0.68	<0.5	0.36	0.11	275	1	21.5	2.3	
E6563229 (9326272)	1.6	1	48.6	<0.5	0.29	1.3	0.28	<0.5	0.18	0.33	137	<1	11.8	1.1	
E6563230 (9326273)	2.2	2	79.4	<0.5	0.51	0.5	0.65	<0.5	0.35	0.15	268	2	20.6	2.2	
E6563231 (9326274)	2.7	19	115	<0.5	0.56	0.5	0.66	<0.5	0.38	0.14	280	6	22.9	2.4	
E6563232 (9326275)	0.2	1	45.8	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.2	0.1	
E6563233 (9326276)	2.5	1	99.4	<0.5	0.55	0.5	0.67	<0.5	0.38	0.11	279	3	22.6	2.4	
E6563234 (9326277)	2.6	2	101	<0.5	0.61	1.0	0.65	<0.5	0.44	0.14	305	<1	25.8	2.7	
E6563235 (9326278)	2.3	3	97.3	<0.5	0.54	0.8	0.64	<0.5	0.37	0.14	274	2	21.8	2.3	
E6563236 (9326279)	2.4	2	135	<0.5	0.54	0.6	0.67	<0.5	0.37	0.10	272	<1	22.4	2.2	
E6563237 (9326280)	2.7	2	141	<0.5	0.61	0.6	0.69	<0.5	0.40	0.12	290	1	24.7	2.4	
E6563238 (9326281)	2.5	2	140	<0.5	0.58	0.5	0.69	<0.5	0.39	0.11	291	<1	24.5	2.4	
E6563239 (9326282)	2.6	1	128	<0.5	0.59	0.5	0.67	<0.5	0.42	0.12	286	2	24.9	2.7	
E6563240 (9326283)	2.8	2	121	<0.5	0.66	0.5	0.66	<0.5	0.44	0.11	281	1	27.7	2.7	
E6563241 (9326284)	2.7	1	126	<0.5	0.59	0.5	0.67	<0.5	0.41	0.13	288	1	25.1	2.6	
E6563242 (9326285)	2.4	<1	118	<0.5	0.56	0.4	0.62	<0.5	0.46	0.12	289	2	25.3	2.8	
E6563243 (9326286)	2.5	99	155	<0.5	0.56	0.4	0.68	<0.5	0.41	0.15	289	6	23.6	2.5	
E6563244 (9326287)	2.7	5	146	<0.5	0.60	0.5	0.67	<0.5	0.41	0.16	294	7	24.5	2.4	
E6563245 (9326288)	2.5	2	140	<0.5	0.54	0.5	0.67	<0.5	0.38	0.14	277	<1	22.6	2.3	
E6563246 (9326289)	5.4	3	26.8	<0.5	0.56	11.5	0.24	0.8	0.29	6.72	52	4	18.9	1.8	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563247 (9326290)		2.6	1	123	<0.5	0.56	0.9	0.66	<0.5	0.38	0.12	288	<1	23.3	2.3
E6563248 (9326291)		2.6	2	125	<0.5	0.59	0.6	0.65	<0.5	0.38	0.14	282	<1	23.8	2.4
E6563249 (9326292)		2.4	1	146	<0.5	0.53	0.5	0.62	<0.5	0.36	0.18	260	<1	22.5	2.2
E6563250 (9326293)		2.4	1	125	<0.5	0.50	0.5	0.66	<0.5	0.31	0.13	260	<1	20.1	2.0
E6563251 (9326294)		2.6	1	146	<0.5	0.56	0.5	0.70	<0.5	0.39	0.13	292	<1	22.9	2.3
E6563252 (9326295)		0.2	<1	46.4	<0.5	<0.05	0.2	0.02	<0.5	<0.05	0.12	6	<1	2.7	0.2
E6563253 (9326296)		2.6	<1	106	<0.5	0.55	0.5	0.65	<0.5	0.36	0.11	270	<1	22.3	2.2
E6563254 (9326297)		2.5	2	140	<0.5	0.59	1.0	0.66	<0.5	0.42	0.12	302	<1	24.9	2.6
E6563255 (9326298)		2.5	4	141	<0.5	0.61	0.7	0.65	<0.5	0.43	0.13	290	1	26.0	2.7
E6563256 (9326299)		2.6	1	119	<0.5	0.58	0.6	0.66	<0.5	0.39	0.12	289	1	24.2	2.4
E6563257 (9326300)		2.5	1	112	<0.5	0.56	0.6	0.67	<0.5	0.37	0.12	264	2	23.0	2.2
E6563258 (9326301)		2.4	1	118	<0.5	0.56	0.5	0.68	<0.5	0.37	0.11	277	2	22.9	2.2
E6563259 (9326302)		3.7	2	99.2	<0.5	0.62	1.3	0.70	<0.5	0.35	0.33	246	1	23.0	2.1
E6563260 (9326303)		2.4	1	126	<0.5	0.56	0.5	0.65	<0.5	0.40	0.13	295	1	23.6	2.4
E6563261 (9326304)		2.4	1	95.3	<0.5	0.51	0.5	0.66	<0.5	0.35	0.12	275	<1	20.6	2.1
E6563262 (9326305)		2.5	2	126	<0.5	0.56	0.5	0.69	<0.5	0.35	0.11	282	<1	22.0	2.2
E6563263 (9326306)		2.5	2	134	<0.5	0.56	0.5	0.68	<0.5	0.37	0.11	291	<1	23.2	2.3
E6563264 (9326307)		2.6	2	125	<0.5	0.60	0.4	0.64	<0.5	0.43	0.12	300	<1	25.9	2.7
E6563265 (9326308)		2.6	2	125	<0.5	0.56	0.4	0.68	<0.5	0.38	0.11	287	1	23.6	2.3
E6563266 (9326309)		5.4	3	25.8	<0.5	0.55	11.6	0.24	0.8	0.29	6.77	51	4	19.0	1.8
E6563267 (9326310)		2.5	1	115	<0.5	0.57	0.8	0.61	<0.5	0.43	0.12	291	2	24.9	2.6
E6563268 (9326311)		2.7	1	129	<0.5	0.57	0.6	0.64	<0.5	0.40	0.11	281	<1	24.1	2.5
E6563269 (9326312)		2.3	2	132	<0.5	0.55	0.5	0.67	<0.5	0.38	0.11	285	<1	22.6	2.4
E6563270 (9326313)		2.4	2	127	<0.5	0.55	0.5	0.64	<0.5	0.39	0.12	278	4	23.4	2.5
E6563271 (9326314)		2.5	1	129	<0.5	0.54	0.4	0.67	<0.5	0.39	0.11	286	<1	23.7	2.3
E6563272 (9326315)		0.2	1	44.4	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.5	0.1
E6563273 (9326316)		2.4	1	106	<0.5	0.55	0.4	0.60	<0.5	0.39	0.11	279	<1	23.2	2.5
E6563274 (9326317)		2.5	1	109	<0.5	0.55	0.4	0.59	<0.5	0.39	0.11	278	<1	23.3	2.4
E6563275 (9326318)		2.5	3	119	<0.5	0.58	0.7	0.60	<0.5	0.40	0.12	282	<1	24.1	2.4
E6563276 (9326319)		2.4	2	117	<0.5	0.58	0.6	0.58	<0.5	0.40	0.11	285	<1	23.2	2.5
E6563277 (9326320)		2.5	2	117	<0.5	0.57	0.5	0.59	<0.5	0.41	0.13	288	<1	24.8	2.6
E6563278 (9326321)		2.4	2	115	<0.5	0.57	0.5	0.59	<0.5	0.39	0.11	284	<1	24.3	2.4

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Certified By:



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AGAT WORK ORDER: 18T350345

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6563215 (9326258)		93	77.7
E6563216 (9326259)		74	64.5
E6563217 (9326260)		88	64.3
E6563218 (9326261)		90	64.7
E6563219 (9326262)		70	61.6
E6563220 (9326263)		79	59.3
E6563221 (9326264)		75	59.4
E6563222 (9326265)		78	60.1
E6563223 (9326266)		78	61.9
E6563224 (9326267)		85	61.5
E6563225 (9326268)		84	61.4
E6563226 (9326269)		<5	165
E6563227 (9326270)		60	62.0
E6563228 (9326271)		65	62.0
E6563229 (9326272)		376	43.8
E6563230 (9326273)		111	60.0
E6563231 (9326274)		99	62.1
E6563232 (9326275)		<5	2.7
E6563233 (9326276)		74	60.4
E6563234 (9326277)		139	61.4
E6563235 (9326278)		120	61.2
E6563236 (9326279)		94	61.5
E6563237 (9326280)		88	64.4
E6563238 (9326281)		83	65.5
E6563239 (9326282)		81	62.9
E6563240 (9326283)		91	61.0
E6563241 (9326284)		81	62.7
E6563242 (9326285)		101	56.4
E6563243 (9326286)		82	61.2
E6563244 (9326287)		79	62.8
E6563245 (9326288)		78	63.1
E6563246 (9326289)		<5	169

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563247 (9326290)		72	62.3
E6563248 (9326291)		81	61.9
E6563249 (9326292)		69	60.8
E6563250 (9326293)		52	64.6
E6563251 (9326294)		116	65.0
E6563252 (9326295)		<5	4.4
E6563253 (9326296)		97	61.6
E6563254 (9326297)		75	62.2
E6563255 (9326298)		96	61.8
E6563256 (9326299)		550	62.6
E6563257 (9326300)		622	65.8
E6563258 (9326301)		531	63.7
E6563259 (9326302)		134	91.6
E6563260 (9326303)		82	62.5
E6563261 (9326304)		61	62.9
E6563262 (9326305)		116	64.4
E6563263 (9326306)		74	62.9
E6563264 (9326307)		78	61.9
E6563265 (9326308)		73	62.6
E6563266 (9326309)		<5	168
E6563267 (9326310)		90	61.6
E6563268 (9326311)		74	62.0
E6563269 (9326312)		72	62.3
E6563270 (9326313)		71	60.0
E6563271 (9326314)		73	64.1
E6563272 (9326315)		<5	2.3
E6563273 (9326316)		86	61.2
E6563274 (9326317)		86	61.5
E6563275 (9326318)		81	63.7
E6563276 (9326319)		76	60.1
E6563277 (9326320)		73	62.0
E6563278 (9326321)		73	60.8

Certified By:



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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Aug 09, 2018

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Aug 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563215 (9326258)		80
E6563235 (9326278)		85
E6563245 (9326288)		95
E6563255 (9326298)		95
E6563265 (9326308)		92
E6563275 (9326318)		88

Comments: RDL - Reported Detection Limit

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Aug 09, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563215 (9326258)		93.4
E6563244 (9326287)		87.1
E6563275 (9326318)		85.4

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9326258	< 1	< 1	0.0%	9326270	< 1	< 1	0.0%	9326281	< 1	< 1	0.0%	9326283	< 1	< 1	0.0%
Al	9326258	8.30	8.36	0.7%	9326270	8.69	8.80	1.3%	9326281	8.99	8.75	2.7%	9326283	8.47	8.26	2.5%
As	9326258	191	197	3.1%	9326270	23	24	4.3%	9326281	< 5	< 5	0.0%	9326283	< 5	< 5	0.0%
B	9326258	< 20	< 20	0.0%	9326270	27	29	7.1%	9326281	< 20	< 20	0.0%	9326283	< 20	< 20	0.0%
Ba	9326258	200	196	2.0%	9326270	210	211	0.5%	9326281	153	145	5.4%	9326283	120	121	0.8%
Be	9326258	< 5	< 5	0.0%	9326270	< 5	< 5	0.0%	9326281	< 5	< 5	0.0%	9326283	< 5	< 5	0.0%
Bi	9326258	0.51	0.58	12.8%	9326270	1.2	0.7		9326281	< 0.1	0.1		9326283	0.1	0.1	0.0%
Ca	9326258	6.58	6.45	2.0%	9326270	5.43	5.59	2.9%	9326281	7.55	7.43	1.6%	9326283	7.48	7.36	1.6%
Cd	9326258	< 0.2	0.3		9326270	< 0.2	< 0.2	0.0%	9326281	< 0.2	< 0.2	0.0%	9326283	< 0.2	< 0.2	0.0%
Ce	9326258	14.8	14.2	4.1%	9326270	11.2	11.9	6.1%	9326281	10.6	10.9	2.8%	9326283	11.5	11.4	0.9%
Co	9326258	48.1	45.5	5.6%	9326270	58.8	59.1	0.5%	9326281	50.1	48.9	2.4%	9326283	51.7	52.5	1.5%
Cr	9326258	0.0196	0.0190	3.1%	9326270	0.020	0.020	0.0%	9326281	0.022	0.021	4.7%	9326283	0.020	0.020	0.0%
Cs	9326258	0.5	0.5	0.0%	9326270	0.6	0.6	0.0%	9326281	0.6	0.6	0.0%	9326283	0.58	0.54	7.1%
Cu	9326258	162	159	1.9%	9326270	163	167	2.4%	9326281	49	46	6.3%	9326283	118	116	1.7%
Dy	9326258	3.99	3.93	1.5%	9326270	3.77	3.90	3.4%	9326281	4.04	4.09	1.2%	9326283	4.49	4.46	0.7%
Er	9326258	2.51	2.63	4.7%	9326270	2.51	2.57	2.4%	9326281	2.70	2.62	3.0%	9326283	2.94	2.93	0.3%
Eu	9326258	1.12	1.09	2.7%	9326270	1.27	1.26	0.8%	9326281	1.32	1.06	21.8%	9326283	1.11	1.05	5.6%
Fe	9326258	8.28	8.20	1.0%	9326270	7.78	7.89	1.4%	9326281	7.75	7.70	0.6%	9326283	8.63	8.54	1.0%
Ga	9326258	18.5	18.0	2.7%	9326270	18.3	18.4	0.5%	9326281	19.5	19.1	2.1%	9326283	18.5	18.4	0.5%
Gd	9326258	3.44	3.47	0.9%	9326270	3.24	3.51	8.0%	9326281	3.43	3.51	2.3%	9326283	3.80	3.88	2.1%
Ge	9326258	2	2	0.0%	9326270	1	1	0.0%	9326281	2	2	0.0%	9326283	2	2	0.0%
Hf	9326258	2	2	0.0%	9326270	2	2	0.0%	9326281	2	2	0.0%	9326283	2	2	0.0%
Ho	9326258	0.87	0.86	1.2%	9326270	0.84	0.84	0.0%	9326281	0.88	0.87	1.1%	9326283	0.965	0.977	1.2%
In	9326258	< 0.2	< 0.2	0.0%	9326270	< 0.2	< 0.2	0.0%	9326281	< 0.2	< 0.2	0.0%	9326283	< 0.2	< 0.2	0.0%
K	9326258	0.723	0.714	1.3%	9326270	0.831	0.848	2.0%	9326281	0.633	0.636	0.5%	9326283	0.52	0.50	3.9%
La	9326258	6.6	6.3	4.7%	9326270	4.5	4.7	4.3%	9326281	4.1	4.1	0.0%	9326283	4.5	4.5	0.0%
Li	9326258	20	18	10.5%	9326270	19	19	0.0%	9326281	12	12	0.0%	9326283	< 10	< 10	0.0%
Lu	9326258	0.399	0.383	4.1%	9326270	0.39	0.38	2.6%	9326281	0.40	0.39	2.5%	9326283	0.42	0.42	0.0%
Mg	9326258	2.37	2.38	0.4%	9326270	2.38	2.40	0.8%	9326281	2.05	2.01	2.0%	9326283	2.29	2.31	0.9%
Mn	9326258	1950	1940	0.5%	9326270	1760	1750	0.6%	9326281	2080	2040	1.9%	9326283	2310	2340	1.3%
Mo	9326258	6	5	18.2%	9326270	3	3	0.0%	9326281	5	5	0.0%	9326283	3	4	28.6%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9326258	3	3	0.0%	9326270	2	2	0.0%	9326281	2	2	0.0%	9326283	2	2	0.0%
Nd	9326258	9.6	9.3	3.2%	9326270	8.0	8.3	3.7%	9326281	8.18	7.99	2.4%	9326283	8.88	8.71	1.9%
Ni	9326258	74	70	5.6%	9326270	77	79	2.6%	9326281	85	79	7.3%	9326283	81	86	6.0%
P	9326258	0.03	0.03	0.0%	9326270	0.03	0.03	0.0%	9326281	0.034	0.035	2.9%	9326283	0.03	0.03	0.0%
Pb	9326258	13	13	0.0%	9326270	35	35	0.0%	9326281	< 5	< 5	0.0%	9326283	< 5	< 5	0.0%
Pr	9326258	2.11	2.08	1.4%	9326270	1.66	1.75	5.3%	9326281	1.65	1.67	1.2%	9326283	1.76	1.75	0.6%
Rb	9326258	28.7	27.9	2.8%	9326270	37.1	38.3	3.2%	9326281	35.2	34.6	1.7%	9326283	26.7	25.8	3.4%
S	9326258	0.20	0.19	5.1%	9326270	0.571	0.579	1.4%	9326281	0.05	0.05	0.0%	9326283	0.13	0.13	0.0%
Sb	9326258	0.6	0.8	28.6%	9326270	0.8	0.9	11.8%	9326281	0.4	0.4	0.0%	9326283	0.2	0.1	
Sc	9326258	43	43	0.0%	9326270	43	43	0.0%	9326281	44	43	2.3%	9326283	42	42	0.0%
Si	9326258	24.5	24.5	0.0%	9326270	23.8	24.2	1.7%	9326281	23.8	23.5	1.3%	9326283	23.6	23.3	1.3%
Sm	9326258	2.63	2.82	7.0%	9326270	2.58	2.55	1.2%	9326281	2.54	2.65	4.2%	9326283	2.8	2.9	3.5%
Sn	9326258	7	10		9326270	2	2	0.0%	9326281	2	2	0.0%	9326283	2	1	
Sr	9326258	156	156	0.0%	9326270	131	132	0.8%	9326281	140	138	1.4%	9326283	121	119	1.7%
Ta	9326258	0.8	< 0.5		9326270	< 0.5	< 0.5	0.0%	9326281	< 0.5	< 0.5	0.0%	9326283	< 0.5	< 0.5	0.0%
Tb	9326258	0.598	0.590	1.3%	9326270	0.552	0.588	6.3%	9326281	0.583	0.586	0.5%	9326283	0.66	0.67	1.5%
Th	9326258	1.6	1.6	0.0%	9326270	0.8	0.6	28.6%	9326281	0.5	0.5	0.0%	9326283	0.46	0.45	2.2%
Ti	9326258	0.58	0.58	0.0%	9326270	0.635	0.643	1.3%	9326281	0.69	0.68	1.5%	9326283	0.66	0.65	1.5%
Tl	9326258	< 0.5	< 0.5	0.0%	9326270	< 0.5	< 0.5	0.0%	9326281	< 0.5	< 0.5	0.0%	9326283	< 0.5	< 0.5	0.0%
Tm	9326258	0.398	0.385	3.3%	9326270	0.38	0.38	0.0%	9326281	0.39	0.39	0.0%	9326283	0.44	0.44	0.0%
U	9326258	0.456	0.448	1.8%	9326270	0.112	0.121	7.7%	9326281	0.112	0.117	4.4%	9326283	0.113	0.119	5.2%
V	9326258	276	271	1.8%	9326270	289	284	1.7%	9326281	291	285	2.1%	9326283	281	285	1.4%
W	9326258	< 1	1		9326270	1	2		9326281	< 1	1		9326283	1	1	0.0%
Y	9326258	24.2	24.0	0.8%	9326270	23.0	23.0	0.0%	9326281	24.5	24.7	0.8%	9326283	27.7	28.1	1.4%
Yb	9326258	2.4	2.4	0.0%	9326270	2.37	2.46	3.7%	9326281	2.4	2.4	0.0%	9326283	2.7	2.6	3.8%
Zn	9326258	93	94	1.1%	9326270	60	64	6.5%	9326281	83	83	0.0%	9326283	91	89	2.2%
Zr	9326258	77.7	74.5	4.2%	9326270	62.0	62.3	0.5%	9326281	65.5	64.0	2.3%	9326283	61.0	61.7	1.1%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9326293	< 1	< 1	0.0%	9326305	< 1	< 1	0.0%	9326308	< 1	< 1	0.0%	9326317	< 1	< 1	0.0%
Al	9326293	8.57	8.78	2.4%	9326305	9.07	8.91	1.8%	9326308	8.78	8.71	0.8%	9326317	8.53	8.64	1.3%
As	9326293	< 5	< 5	0.0%	9326305	< 5	< 5	0.0%	9326308	< 5	< 5	0.0%	9326317	< 5	< 5	0.0%
B	9326293	< 20	< 20	0.0%	9326305	21	22	4.7%	9326308	< 20	< 20	0.0%	9326317	< 20	< 20	0.0%
Ba	9326293	195	194	0.5%	9326305	233	232	0.4%	9326308	164	160	2.5%	9326317	106	113	6.4%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9326293	< 5	< 5	0.0%	9326305	< 5	< 5	0.0%	9326308	< 5	< 5	0.0%	9326317	< 5	< 5	0.0%
Bi	9326293	< 0.1	< 0.1	0.0%	9326305	0.1	0.1	0.0%	9326308	< 0.1	< 0.1	0.0%	9326317	< 0.1	< 0.1	0.0%
Ca	9326293	5.28	5.35	1.3%	9326305	5.89	5.86	0.5%	9326308	7.12	7.18	0.8%	9326317	7.60	7.66	0.8%
Cd	9326293	< 0.2	< 0.2	0.0%	9326305	0.2	0.2	0.0%	9326308	< 0.2	< 0.2	0.0%	9326317	< 0.2	< 0.2	0.0%
Ce	9326293	10.4	10.2	1.9%	9326305	10.1	10.2	1.0%	9326308	10.6	11.0	3.7%	9326317	9.6	9.6	0.0%
Co	9326293	32.6	32.5	0.3%	9326305	43.9	44.4	1.1%	9326308	44.4	49.0	9.9%	9326317	65.0	65.6	0.9%
Cr	9326293	0.021	0.021	0.0%	9326305	0.020	0.020	0.0%	9326308	0.021	0.020	4.9%	9326317	0.020	0.021	4.9%
Cs	9326293	1.6	1.6	0.0%	9326305	0.7	0.7	0.0%	9326308	0.66	0.63	4.7%	9326317	0.8	0.8	0.0%
Cu	9326293	71	70	1.4%	9326305	63	63	0.0%	9326308	40	54	29.8%	9326317	84	92	9.1%
Dy	9326293	3.30	3.39	2.7%	9326305	3.74	3.70	1.1%	9326308	3.90	3.96	1.5%	9326317	3.86	3.75	2.9%
Er	9326293	2.17	2.16	0.5%	9326305	2.44	2.34	4.2%	9326308	2.52	2.60	3.1%	9326317	2.58	2.51	2.8%
Eu	9326293	0.892	0.948	6.1%	9326305	1.02	1.01	1.0%	9326308	1.00	1.01	1.0%	9326317	0.986	0.955	3.2%
Fe	9326293	5.56	5.68	2.1%	9326305	6.62	6.58	0.6%	9326308	7.20	7.25	0.7%	9326317	8.68	8.71	0.3%
Ga	9326293	18.4	18.7	1.6%	9326305	18.6	19.0	2.1%	9326308	17.8	18.2	2.2%	9326317	18.0	17.7	1.7%
Gd	9326293	3.01	3.06	1.6%	9326305	3.13	3.18	1.6%	9326308	3.36	3.48	3.5%	9326317	3.23	3.20	0.9%
Ge	9326293	1	1	0.0%	9326305	1	1	0.0%	9326308	1	1	0.0%	9326317	2	2	0.0%
Hf	9326293	2	2	0.0%	9326305	2	2	0.0%	9326308	2	2	0.0%	9326317	2	2	0.0%
Ho	9326293	0.73	0.72	1.4%	9326305	0.79	0.79	0.0%	9326308	0.83	0.87	4.7%	9326317	0.837	0.824	1.6%
In	9326293	< 0.2	< 0.2	0.0%	9326305	< 0.2	< 0.2	0.0%	9326308	< 0.2	< 0.2	0.0%	9326317	< 0.2	< 0.2	0.0%
K	9326293	0.584	0.594	1.7%	9326305	0.88	0.88	0.0%	9326308	0.675	0.662	1.9%	9326317	0.375	0.384	2.4%
La	9326293	4.07	3.92	3.8%	9326305	3.9	3.9	0.0%	9326308	4.05	4.27	5.3%	9326317	3.62	3.66	1.1%
Li	9326293	14	15	6.9%	9326305	18	18	0.0%	9326308	11	11	0.0%	9326317	17	16	6.1%
Lu	9326293	0.31	0.32	3.2%	9326305	0.34	0.34	0.0%	9326308	0.38	0.39	2.6%	9326317	0.386	0.373	3.4%
Mg	9326293	1.51	1.54	2.0%	9326305	2.09	2.02	3.4%	9326308	2.12	2.10	0.9%	9326317	2.48	2.59	4.3%
Mn	9326293	1520	1510	0.7%	9326305	1640	1640	0.0%	9326308	1920	1900	1.0%	9326317	2150	2190	1.8%
Mo	9326293	5	5	0.0%	9326305	3	3	0.0%	9326308	4	3	28.6%	9326317	4	4	0.0%
Nb	9326293	2	2	0.0%	9326305	2	2	0.0%	9326308	2	2	0.0%	9326317	2	2	0.0%
Nd	9326293	7.68	7.61	0.9%	9326305	7.70	7.89	2.4%	9326308	8.3	8.3	0.0%	9326317	7.3	7.3	0.0%
Ni	9326293	55	53	3.7%	9326305	73	72	1.4%	9326308	80	78	2.5%	9326317	108	117	8.0%
P	9326293	0.035	0.034	2.9%	9326305	0.036	0.033	8.7%	9326308	0.04	0.04	0.0%	9326317	0.033	0.038	14.1%
Pb	9326293	< 5	< 5	0.0%	9326305	13	15	14.3%	9326308	7	7	0.0%	9326317	6	5	18.2%
Pr	9326293	1.58	1.53	3.2%	9326305	1.57	1.60	1.9%	9326308	1.66	1.65	0.6%	9326317	1.48	1.50	1.3%
Rb	9326293	34.8	34.6	0.6%	9326305	46.1	46.6	1.1%	9326308	38.0	38.6	1.6%	9326317	19.2	19.3	0.5%
S	9326293	0.07	0.07	0.0%	9326305	0.05	0.05	0.0%	9326308	0.03	0.03	0.0%	9326317	0.07	0.09	25.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sb	9326293	0.2	0.1		9326305	0.2	0.2	0.0%	9326308	0.2	0.2	0.0%	9326317	< 0.1	< 0.1	0.0%
Sc	9326293	38	38	0.0%	9326305	42	43	2.4%	9326308	43	43	0.0%	9326317	42	42	0.0%
Si	9326293	27.1	27.5	1.5%	9326305	25.1	24.9	0.8%	9326308	24.4	24.3	0.4%	9326317	23.5	23.7	0.8%
Sm	9326293	2.4	2.3	4.3%	9326305	2.5	2.6	3.9%	9326308	2.6	2.6	0.0%	9326317	2.5	2.5	0.0%
Sn	9326293	1	1	0.0%	9326305	2	1		9326308	2	3		9326317	1	2	
Sr	9326293	125	125	0.0%	9326305	126	126	0.0%	9326308	125	126	0.8%	9326317	109	112	2.7%
Ta	9326293	< 0.5	< 0.5	0.0%	9326305	< 0.5	< 0.5	0.0%	9326308	< 0.5	< 0.5	0.0%	9326317	< 0.5	< 0.5	0.0%
Tb	9326293	0.50	0.50	0.0%	9326305	0.56	0.56	0.0%	9326308	0.563	0.590	4.7%	9326317	0.550	0.541	1.6%
Th	9326293	0.5	0.5	0.0%	9326305	0.5	0.5	0.0%	9326308	0.44	0.53	18.6%	9326317	0.4	0.9	
Ti	9326293	0.661	0.677	2.4%	9326305	0.69	0.69	0.0%	9326308	0.683	0.675	1.2%	9326317	0.594	0.597	0.5%
Tl	9326293	< 0.5	< 0.5	0.0%	9326305	< 0.5	< 0.5	0.0%	9326308	< 0.5	< 0.5	0.0%	9326317	< 0.5	< 0.5	0.0%
Tm	9326293	0.31	0.33	6.3%	9326305	0.350	0.368	5.0%	9326308	0.384	0.393	2.3%	9326317	0.391	0.382	2.3%
U	9326293	0.13	0.13	0.0%	9326305	0.11	0.10	9.5%	9326308	0.114	0.146	24.6%	9326317	0.11	0.11	0.0%
V	9326293	260	261	0.4%	9326305	282	281	0.4%	9326308	287	281	2.1%	9326317	278	283	1.8%
W	9326293	< 1	< 1	0.0%	9326305	< 1	< 1	0.0%	9326308	1	1	0.0%	9326317	< 1	< 1	0.0%
Y	9326293	20.1	19.9	1.0%	9326305	22.0	22.2	0.9%	9326308	23.6	24.2	2.5%	9326317	23.3	23.1	0.9%
Yb	9326293	2.0	2.0	0.0%	9326305	2.2	2.2	0.0%	9326308	2.33	2.35	0.9%	9326317	2.4	2.4	0.0%
Zn	9326293	52	54	3.8%	9326305	116	122	5.0%	9326308	73	80	9.2%	9326317	86	85	1.2%
Zr	9326293	64.6	64.4	0.3%	9326305	64.4	65.1	1.1%	9326308	62.6	65.5	4.5%	9326317	61.5	61.3	0.3%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SY-4)				CRM #3 (ref.SU-1b)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	6.39	6.48	101%	90% - 110%												
Al	4.30	4.37	102%	90% - 110%									10.95	11.28	103%	90% - 110%
Ba													340	338	99%	90% - 110%
Be													2.6	3	116%	90% - 110%
Ca	2.21	2.16	98%	90% - 110%									5.72	5.74	100%	90% - 110%
Ce													122	125	102%	90% - 110%
Co	672	673	100%	90% - 110%									2.8	2.7	97%	90% - 110%
Cr	0.032	0.032	100%	90% - 110%												
Cs													1.5	1.5	100%	90% - 110%
Cu	11850	11900	100%	90% - 110%												
Dy													18.2	18.2	100%	90% - 110%
Er													14.2	14.5	102%	90% - 110%
Eu													2.0	2	100%	90% - 110%
Fe	25.54	24.83	97%	90% - 110%									4.34	4.37	101%	90% - 110%
Ga													35	36	103%	90% - 110%
Gd													14	14	102%	90% - 110%
Hf													10.6	10.6	100%	90% - 110%
Ho													4.3	4.3	100%	90% - 110%
K													1.37	1.32	97%	90% - 110%
La													58	58	100%	90% - 110%
Li													37	36	98%	90% - 110%
Lu													2.1	2.1	101%	90% - 110%
Mg	1.79	1.82	102%	90% - 110%									0.325	0.325	100%	90% - 110%
Mn	703	716	102%	90% - 110%									836	826	99%	90% - 110%
Nb													13	13	100%	90% - 110%
Nd													57	58	101%	90% - 110%
Ni	19530	18147	93%	90% - 110%									9	8	86%	90% - 110%
Pb	58	66	113%	90% - 110%					58	62	107%	90% - 110%				
Pr													15.0	15.2	101%	90% - 110%
Rb													55	56	102%	90% - 110%
S	14.14	12.91	91%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	15.23	14.97	98%	90% - 110%									23.3	22.7	97%	90% - 110%
Sm													12.7	12.7	100%	90% - 110%
Sn													7.1	8.3	117%	90% - 110%
Sr													1191	1149	96%	90% - 110%
Ta													0.9	1.1	120%	90% - 110%
Tb													2.6	2.6	100%	90% - 110%
Th					1.4	1.3	96%	90% - 110%					1.4	1.2	83%	90% - 110%
Ti													0.172	0.174	101%	90% - 110%
Tm													2.3	2.3	100%	90% - 110%
U					0.8	0.8	104%	90% - 110%					0.8	0.7	90%	90% - 110%
V													8	7	88%	90% - 110%
Y													119	122	102%	90% - 110%
Yb													14.8	14.3	97%	90% - 110%
Zn	235	240	102%	90% - 110%									93	90	97%	90% - 110%
Zr													517	564	109%	90% - 110%
	CRM #5 (ref.SU-1b)				CRM #6 (ref.SY-4)				CRM #7 (ref.SY-4)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	4.30	4.17	97%	90% - 110%					10.95	11.32	103%	90% - 110%				
Ba									340	333	98%	90% - 110%				
Be									2.6	3.1	120%	90% - 110%				
Ca	2.21	2.09	94%	90% - 110%					5.72	5.74	100%	90% - 110%				
Ce									122	122	100%	90% - 110%				
Co	672	695	103%	90% - 110%					2.8	2.6	92%	90% - 110%				
Cr	0.032	0.03	93%	90% - 110%												
Cs									1.5	1.6	103%	90% - 110%				
Cu	11850	11464	97%	90% - 110%												
Dy									18.2	18.2	100%	90% - 110%				
Er									14.2	14.2	100%	90% - 110%				
Eu									2.0	2.1	106%	90% - 110%				
Fe	25.54	24.11	94%	90% - 110%					4.34	4.4	101%	90% - 110%				
Ga									35	37	107%	90% - 110%				
Gd									14	14	100%	90% - 110%				
Hf									10.6	10.8	102%	90% - 110%				
Ho									4.3	4.3	100%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

K									1.37	1.32	96%	90% - 110%				
La									58	58	99%	90% - 110%				
Li									37	36	98%	90% - 110%				
Lu									2.1	2.1	100%	90% - 110%				
Mg	1.79	1.72	96%	90% - 110%					0.325	0.318	98%	90% - 110%				
Mn	703	692	99%	90% - 110%					836	831	99%	90% - 110%				
Nb									13	13	101%	90% - 110%				
Nd									57	57	100%	90% - 110%				
Ni	19530	18063	92%	90% - 110%												
Pb						10	12	121%	90% - 110%							
Pr									15.0	14.9	100%	90% - 110%				
Rb									55	57	103%	90% - 110%				
S	14.14	12.87	91%	90% - 110%												
Si	15.23	14.33	94%	90% - 110%					23.3	23	99%	90% - 110%				
Sm									12.7	12.8	101%	90% - 110%				
Sr									1191	1127	95%	90% - 110%				
Ta									0.9	1	106%	90% - 110%				
Tb									2.6	2.6	101%	90% - 110%				
Th									1.4	1.3	90%	90% - 110%				
Ti									0.172	0.176	102%	90% - 110%				
Tm									2.3	2.3	101%	90% - 110%				
U									0.8	0.8	98%	90% - 110%				
V									8	6	71%	90% - 110%				
Y									119	122	103%	90% - 110%				
Yb									14.8	14.1	95%	90% - 110%				
Zn	235	235	100%	90% - 110%					93	90	97%	90% - 110%				
Zr									517	566	109%	90% - 110%				



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-129A
 SAMPLING SITE:

AGAT WORK ORDER: 18T350345
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T350345

PROJECT: DDH-129A

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-129B

AGAT WORK ORDER: 18T350346

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 29, 2018

PAGES (INCLUDING COVER): 23

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 29, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563279 (9326324)		2.65
E6563280 (9326325)		2.64
E6563281 (9326326)		3.21
E6563282 (9326327)		2.50
E6563283 (9326328)		2.90
E6563284 (9326329)		2.84
E6563285 (9326330)		2.67
E6563286 (9326331)		0.05
E6563287 (9326332)		2.93
E6563288 (9326333)		3.10
E6563289 (9326334)		3.04
E6563290 (9326335)		2.42
E6563291 (9326336)		2.63
E6563292 (9326337)		1.69
E6563293 (9326338)		2.98
E6563294 (9326339)		2.81
E6563295 (9326340)		2.72
E6563296 (9326341)		2.76
E6563297 (9326342)		3.11
E6563298 (9326343)		3.11
E6563299 (9326344)		2.86
E6563300 (9326345)		2.84
E6563301 (9326346)		2.60
E6563302 (9326347)		2.90
E6563303 (9326348)		2.74
E6563304 (9326349)		2.59
E6563305 (9326350)		2.72
E6563306 (9326351)		0.05
E6563307 (9326352)		2.27
E6563308 (9326353)		2.89
E6563309 (9326354)		2.91

Certified By:



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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 29, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563310 (9326355)		2.42
E6563311 (9326356)		2.01
E6563312 (9326357)		1.00
E6563313 (9326358)		3.20
E6563314 (9326359)		2.90
E6563315 (9326360)		3.55
E6563316 (9326361)		2.45
E6563317 (9326362)		2.61
E6563318 (9326363)		1.23
E6563319 (9326364)		2.33
E6563320 (9326365)		2.95
E6563321 (9326366)		2.46
E6563322 (9326367)		3.00
E6563323 (9326368)		3.23
E6563324 (9326369)		2.35
E6563325 (9326370)		2.86
E6563326 (9326371)		0.05
E6563327 (9326372)		2.83
E6563328 (9326373)		3.15
E6563329 (9326374)		3.25
E6563330 (9326375)		2.66
E6563331 (9326376)		2.37
E6563332 (9326377)		1.30
E6563333 (9326378)		2.33

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 29, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563279 (9326324)	<1	8.34	7	<20	70.3	<5	0.1	8.61	<0.2	9.3	50.9	0.021	0.2	71	
E6563280 (9326325)	<1	8.55	<5	<20	117	<5	<0.1	7.81	<0.2	10.0	56.9	0.023	0.5	49	
E6563281 (9326326)	<1	8.59	<5	20	131	<5	<0.1	7.12	<0.2	9.6	56.5	0.023	1.0	82	
E6563282 (9326327)	<1	8.83	5	<20	122	<5	0.1	5.78	<0.2	10.0	47.0	0.023	1.3	53	
E6563283 (9326328)	<1	8.93	<5	<20	132	<5	<0.1	6.54	<0.2	10.3	46.4	0.023	1.7	85	
E6563284 (9326329)	<1	8.77	<5	<20	157	<5	<0.1	6.97	<0.2	9.9	47.1	0.023	1.6	63	
E6563285 (9326330)	<1	8.94	<5	<20	175	<5	0.1	5.37	<0.2	9.0	47.4	0.024	2.4	57	
E6563286 (9326331)	<1	4.77	552	105	171	<5	7.8	4.35	<0.2	71.3	991	0.006	2.5	3020	
E6563287 (9326332)	<1	8.48	8	<20	154	<5	0.8	7.06	<0.2	9.9	56.8	0.024	0.5	133	
E6563288 (9326333)	<1	8.51	<5	<20	145	<5	0.3	8.16	<0.2	10.3	58.2	0.023	1.1	157	
E6563289 (9326334)	<1	8.19	<5	20	116	<5	0.2	9.49	<0.2	10.0	62.5	0.023	0.3	141	
E6563290 (9326335)	<1	8.91	<5	<20	131	<5	0.1	7.51	<0.2	9.9	52.2	0.024	0.5	61	
E6563291 (9326336)	<1	8.74	<5	40	199	<5	0.1	6.45	<0.2	9.6	46.2	0.025	0.6	49	
E6563292 (9326337)	<1	0.17	<5	<20	14.6	<5	<0.1	33.0	<0.2	1.2	1.5	<0.005	<0.1	8	
E6563293 (9326338)	<1	8.66	<5	21	277	<5	0.1	7.19	0.7	10.2	47.5	0.022	0.7	46	
E6563294 (9326339)	<1	8.41	<5	20	208	<5	0.2	7.39	0.2	9.9	51.6	0.023	1.1	57	
E6563295 (9326340)	<1	8.63	<5	<20	106	<5	0.1	7.57	<0.2	10.6	56.7	0.024	0.6	83	
E6563296 (9326341)	<1	8.70	6	<20	91.2	<5	<0.1	7.13	<0.2	11.0	58.5	0.024	0.9	71	
E6563297 (9326342)	<1	8.62	<5	21	75.9	<5	0.1	8.94	<0.2	9.8	48.8	0.023	0.5	66	
E6563298 (9326343)	<1	8.73	9	<20	75.5	<5	0.1	8.97	<0.2	9.8	49.6	0.024	0.5	62	
E6563299 (9326344)	<1	8.53	<5	<20	89.3	<5	<0.1	9.00	<0.2	9.7	59.0	0.023	0.4	71	
E6563300 (9326345)	<1	8.36	<5	<20	71.7	<5	<0.1	8.41	<0.2	9.4	58.6	0.024	0.4	166	
E6563301 (9326346)	<1	8.60	<5	<20	91.1	<5	<0.1	8.93	<0.2	10.1	49.2	0.023	0.3	52	
E6563302 (9326347)	<1	8.98	<5	<20	111	<5	<0.1	7.29	<0.2	10.2	48.1	0.022	0.4	90	
E6563303 (9326348)	<1	8.70	<5	21	55.7	<5	0.2	7.30	<0.2	10.1	110	0.022	0.4	454	
E6563304 (9326349)	<1	8.47	<5	<20	82.2	<5	<0.1	7.58	<0.2	9.6	62.3	0.023	0.5	147	
E6563305 (9326350)	1	8.36	<5	26	109	<5	0.2	8.29	0.3	10.1	71.5	0.023	1.0	200	
E6563306 (9326351)	<1	4.82	562	107	174	<5	7.9	4.27	<0.2	72.1	1010	0.006	2.8	3040	
E6563307 (9326352)	<1	9.05	8	<20	193	<5	0.8	6.81	13.8	9.9	60.7	0.023	0.9	102	
E6563308 (9326353)	<1	9.16	<5	<20	156	<5	0.3	7.17	0.4	10.7	48.5	0.024	0.9	74	
E6563309 (9326354)	<1	9.02	<5	<20	171	<5	0.2	7.82	<0.2	10.5	59.5	0.024	1.1	110	
E6563310 (9326355)	<1	8.29	<5	28	131	<5	0.4	7.42	<0.2	9.5	68.8	0.023	1.2	149	

Certified By:



Certificate of Analysis

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 29, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563311 (9326356)	<1	8.27	<5	<20	141	<5	0.3	8.62	<0.2	9.7	68.2	0.022	1.7	260	
E6563312 (9326357)	<1	0.20	<5	<20	17.0	<5	<0.1	35.6	<0.2	1.2	1.8	<0.005	0.1	7	
E6563313 (9326358)	<1	7.88	6	43	165	<5	0.3	9.78	<0.2	9.4	73.2	0.021	0.5	263	
E6563314 (9326359)	1	8.29	6	47	101	<5	0.9	8.37	1.6	10.0	71.7	0.021	0.2	198	
E6563315 (9326360)	<1	8.64	<5	22	179	<5	0.2	9.19	<0.2	9.8	50.5	0.023	0.4	84	
E6563316 (9326361)	<1	8.86	<5	31	184	<5	0.1	8.46	<0.2	11.6	47.6	0.021	0.5	41	
E6563317 (9326362)	<1	8.35	<5	<20	140	<5	0.2	8.69	<0.2	9.5	56.0	0.022	0.8	148	
E6563318 (9326363)	<1	8.29	8	<20	137	<5	0.2	8.99	<0.2	9.7	59.8	0.022	0.6	172	
E6563319 (9326364)	<1	8.53	6	<20	155	<5	0.3	7.67	<0.2	10.2	57.4	0.022	0.6	136	
E6563320 (9326365)	<1	8.65	5	27	152	<5	0.1	7.86	<0.2	10.2	58.3	0.023	0.8	107	
E6563321 (9326366)	<1	9.21	<5	21	164	<5	<0.1	6.70	0.3	10.9	44.3	0.023	1.3	64	
E6563322 (9326367)	<1	8.49	<5	28	168	<5	0.2	8.95	<0.2	9.8	50.3	0.023	0.5	101	
E6563323 (9326368)	<1	8.54	<5	30	223	<5	0.3	8.13	<0.2	9.4	50.8	0.021	0.6	160	
E6563324 (9326369)	<1	8.58	<5	25	165	<5	0.3	8.25	<0.2	10.4	59.3	0.023	0.8	135	
E6563325 (9326370)	<1	8.51	<5	<20	127	<5	0.2	8.70	<0.2	9.4	56.2	0.022	0.6	107	
E6563326 (9326371)	<1	4.90	561	109	175	<5	8.1	4.39	<0.2	71.8	993	0.006	2.6	3020	
E6563327 (9326372)	<1	8.72	6	<20	211	<5	0.7	8.47	<0.2	15.9	51.7	0.023	0.7	89	
E6563328 (9326373)	<1	8.69	<5	<20	312	<5	0.3	8.57	<0.2	18.2	51.5	0.021	0.5	71	
E6563329 (9326374)	<1	7.58	<5	<20	1420	<5	0.2	4.56	<0.2	88.0	26.5	0.014	0.5	136	
E6563330 (9326375)	<1	9.99	<5	<20	492	<5	0.1	4.61	<0.2	12.9	27.6	0.024	2.2	141	
E6563331 (9326376)	<1	10.1	<5	<20	308	<5	0.1	5.09	<0.2	11.3	21.9	0.024	2.1	118	
E6563332 (9326377)	<1	0.24	<5	<20	17.5	<5	<0.1	34.9	<0.2	1.2	1.4	<0.005	<0.1	8	
E6563333 (9326378)	<1	9.84	<5	<20	275	<5	<0.1	5.52	<0.2	11.4	24.6	0.024	1.4	79	

Certified By:



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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 29, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563279 (9326324)	3.69	2.41	0.98	8.04	19.4	3.23	2	2	0.81	<0.2	0.32	3.6	11	0.40	
E6563280 (9326325)	4.07	2.50	0.93	7.75	18.8	3.51	2	2	0.84	<0.2	0.47	3.9	<10	0.38	
E6563281 (9326326)	3.68	2.28	0.93	6.64	19.1	3.25	2	2	0.77	<0.2	0.55	3.8	<10	0.35	
E6563282 (9326327)	4.09	2.54	0.88	8.83	17.2	3.35	1	2	0.85	<0.2	0.49	3.9	18	0.41	
E6563283 (9326328)	3.87	2.52	0.94	6.89	19.8	3.44	1	2	0.84	<0.2	0.65	4.1	13	0.37	
E6563284 (9326329)	3.75	2.36	0.88	7.10	19.1	3.31	2	2	0.82	<0.2	0.60	3.9	12	0.34	
E6563285 (9326330)	3.75	2.50	0.79	7.84	17.3	3.15	1	2	0.81	<0.2	0.66	3.2	20	0.37	
E6563286 (9326331)	3.13	1.85	0.91	3.30	12.1	4.17	2	5	0.64	0.2	3.32	35.7	<10	0.29	
E6563287 (9326332)	4.03	2.55	0.94	7.99	18.0	3.18	1	2	0.84	<0.2	0.68	3.9	<10	0.39	
E6563288 (9326333)	3.99	2.64	0.90	9.14	18.5	3.43	2	2	0.86	<0.2	0.65	4.0	<10	0.44	
E6563289 (9326334)	4.18	2.77	0.87	10.4	17.6	3.53	2	2	0.88	<0.2	0.44	3.8	<10	0.45	
E6563290 (9326335)	3.75	2.48	0.89	7.17	19.1	3.45	1	2	0.79	<0.2	0.53	4.0	<10	0.36	
E6563291 (9326336)	3.94	2.43	0.88	7.07	18.3	3.30	1	2	0.82	<0.2	0.86	3.6	11	0.38	
E6563292 (9326337)	0.29	0.18	0.07	0.23	0.51	0.24	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	
E6563293 (9326338)	4.11	2.56	0.86	7.47	17.7	3.44	1	2	0.84	<0.2	1.02	4.0	<10	0.39	
E6563294 (9326339)	3.88	2.58	0.98	8.91	18.1	3.35	2	2	0.82	<0.2	0.76	4.0	13	0.41	
E6563295 (9326340)	4.10	2.45	0.97	7.77	18.6	3.50	2	2	0.81	<0.2	0.59	4.4	<10	0.39	
E6563296 (9326341)	4.11	2.66	0.91	8.16	17.3	3.75	1	2	0.87	<0.2	0.52	4.4	11	0.43	
E6563297 (9326342)	3.94	2.52	0.92	8.56	20.5	3.30	2	2	0.84	<0.2	0.39	3.9	<10	0.37	
E6563298 (9326343)	3.99	2.45	1.00	8.54	20.9	3.47	2	2	0.82	<0.2	0.39	3.8	10	0.40	
E6563299 (9326344)	3.86	2.47	0.91	8.66	18.7	3.31	2	2	0.86	<0.2	0.39	3.8	<10	0.43	
E6563300 (9326345)	3.87	2.55	0.90	8.96	18.1	3.29	2	2	0.82	<0.2	0.33	3.7	<10	0.41	
E6563301 (9326346)	4.02	2.54	0.93	8.29	18.8	3.53	2	2	0.84	<0.2	0.38	3.9	<10	0.39	
E6563302 (9326347)	3.96	2.46	0.94	7.09	18.4	3.49	1	2	0.83	<0.2	0.49	3.9	15	0.36	
E6563303 (9326348)	3.75	2.33	1.11	7.77	20.9	3.36	2	2	0.78	<0.2	0.26	4.1	<10	0.35	
E6563304 (9326349)	3.60	2.32	0.84	7.99	19.7	3.06	2	2	0.78	<0.2	0.39	3.7	<10	0.34	
E6563305 (9326350)	3.75	2.74	0.88	9.77	18.0	3.30	2	2	0.86	<0.2	0.49	4.0	11	0.44	
E6563306 (9326351)	3.23	2.02	1.04	3.29	12.8	4.15	2	5	0.67	0.3	3.32	36.3	<10	0.30	
E6563307 (9326352)	4.01	2.56	0.90	8.09	19.5	3.43	2	2	0.83	<0.2	0.75	3.8	15	0.39	
E6563308 (9326353)	3.94	2.48	0.89	6.76	19.8	3.56	1	2	0.83	<0.2	0.63	4.1	14	0.37	
E6563309 (9326354)	4.00	2.61	0.98	8.23	20.0	3.53	2	2	0.89	<0.2	0.76	4.1	10	0.40	
E6563310 (9326355)	4.04	2.60	0.95	9.49	18.5	3.47	2	2	0.89	<0.2	0.61	3.6	18	0.43	

Certified By:



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PROJECT: DDH-129B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 29, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6563311 (9326356)	4.17	2.69	0.81	11.1	19.0	3.30	2	2	0.83	<0.2	0.64	3.8	14	0.44	
E6563312 (9326357)	0.29	0.22	<0.05	0.28	0.49	0.29	<1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	
E6563313 (9326358)	3.95	2.62	0.85	10.8	17.1	3.23	2	2	0.88	<0.2	0.59	3.8	<10	0.45	
E6563314 (9326359)	3.98	2.45	0.88	9.39	20.4	3.30	2	2	0.81	<0.2	0.31	4.0	11	0.42	
E6563315 (9326360)	4.07	2.65	0.92	9.13	18.7	3.30	2	2	0.89	<0.2	0.74	3.9	<10	0.42	
E6563316 (9326361)	4.13	2.70	0.97	7.65	19.5	3.76	2	2	0.91	<0.2	0.84	5.0	17	0.41	
E6563317 (9326362)	3.95	2.60	0.87	9.34	18.3	3.33	2	2	0.88	<0.2	0.59	3.8	12	0.42	
E6563318 (9326363)	4.10	2.71	0.88	9.62	18.2	3.27	2	2	0.92	<0.2	0.55	3.8	<10	0.45	
E6563319 (9326364)	3.99	2.55	0.95	8.46	18.4	3.39	2	2	0.88	<0.2	0.64	4.0	11	0.39	
E6563320 (9326365)	4.06	2.46	0.88	8.76	19.4	3.25	2	2	0.83	<0.2	0.67	4.0	14	0.41	
E6563321 (9326366)	4.12	2.46	1.11	6.80	19.8	3.56	2	2	0.87	<0.2	0.68	4.3	14	0.38	
E6563322 (9326367)	3.83	2.56	0.94	8.92	18.8	3.29	2	2	0.84	<0.2	0.63	3.8	<10	0.41	
E6563323 (9326368)	3.84	2.63	0.90	8.71	20.2	3.17	2	2	0.85	<0.2	0.73	3.6	<10	0.40	
E6563324 (9326369)	4.13	2.64	0.95	8.97	19.3	3.73	2	2	0.93	<0.2	0.79	4.0	11	0.44	
E6563325 (9326370)	3.71	2.45	0.93	9.00	19.0	3.32	2	2	0.83	<0.2	0.61	3.6	<10	0.38	
E6563326 (9326371)	3.19	1.83	0.92	3.32	12.0	4.30	1	5	0.65	0.2	3.31	36.3	<10	0.30	
E6563327 (9326372)	4.07	2.59	1.01	8.16	19.4	3.90	2	2	0.86	<0.2	0.73	6.7	11	0.40	
E6563328 (9326373)	4.01	2.53	1.15	8.10	19.4	4.04	2	2	0.88	<0.2	0.84	8.0	<10	0.40	
E6563329 (9326374)	4.93	2.23	2.46	5.82	20.8	8.43	2	5	0.82	<0.2	0.99	41.3	<10	0.32	
E6563330 (9326375)	3.97	2.40	0.90	5.57	21.3	3.48	1	2	0.82	<0.2	1.27	5.6	23	0.35	
E6563331 (9326376)	3.68	2.34	1.00	5.82	21.2	3.49	1	2	0.80	<0.2	0.99	4.4	18	0.33	
E6563332 (9326377)	0.28	0.19	0.08	0.24	0.61	0.30	<1	<1	0.07	<0.2	<0.05	1.2	<10	<0.05	
E6563333 (9326378)	3.60	2.31	0.99	4.97	21.1	3.53	1	2	0.78	<0.2	0.84	4.5	14	0.32	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018						DATE REPORTED: Jul 29, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563279 (9326324)	2.51	1930	5	2	7.3	103	0.04	10	1.44	11.0	0.11	0.2	44	24.4	
E6563280 (9326325)	2.34	2000	5	2	7.9	104	0.04	9	1.58	19.0	0.08	0.1	44	25.1	
E6563281 (9326326)	2.33	1800	7	2	7.5	103	0.04	7	1.49	27.7	0.09	0.1	40	26.7	
E6563282 (9326327)	3.00	2390	5	2	7.6	103	0.03	11	1.55	22.0	0.14	0.2	46	24.8	
E6563283 (9326328)	2.16	1840	5	2	8.0	83	0.03	6	1.61	34.3	0.14	0.1	43	26.2	
E6563284 (9326329)	2.31	1960	5	2	7.9	83	0.04	10	1.53	30.7	0.09	0.1	42	26.2	
E6563285 (9326330)	2.71	2010	4	2	7.0	98	0.04	<5	1.38	37.8	0.12	0.1	45	25.8	
E6563286 (9326331)	2.60	454	12	7	30.1	165	0.07	12	8.35	109	1.53	1.7	7	28.2	
E6563287 (9326332)	2.24	1910	6	2	7.6	93	0.04	8	1.52	29.4	0.29	0.4	46	25.6	
E6563288 (9326333)	2.49	2360	6	2	7.9	107	0.04	10	1.60	34.4	0.24	0.2	44	22.3	
E6563289 (9326334)	2.81	2650	6	1	7.7	116	0.04	6	1.54	17.2	0.25	0.2	47	21.3	
E6563290 (9326335)	2.11	1870	7	2	7.7	104	0.04	8	1.57	24.4	0.05	0.2	42	24.1	
E6563291 (9326336)	2.20	2050	7	2	7.4	123	0.04	11	1.46	38.9	0.13	0.3	45	23.4	
E6563292 (9326337)	2.87	101	<2	<1	1.0	<5	0.01	<5	0.25	0.9	<0.01	<0.1	<5	4.73	
E6563293 (9326338)	2.40	1910	6	2	7.9	99	0.04	49	1.56	47.3	0.08	0.3	45	23.3	
E6563294 (9326339)	2.95	2220	7	1	7.5	106	0.04	29	1.52	35.1	0.10	0.3	45	22.2	
E6563295 (9326340)	2.14	1880	7	2	7.9	98	0.04	7	1.59	29.0	0.23	0.2	44	24.0	
E6563296 (9326341)	2.39	2160	8	2	8.7	116	0.03	6	1.67	27.1	0.15	0.1	47	22.8	
E6563297 (9326342)	2.36	2150	8	2	7.6	102	0.04	15	1.57	18.1	0.13	0.2	44	22.3	
E6563298 (9326343)	2.32	2160	8	2	7.6	101	0.04	9	1.52	18.8	0.12	0.3	44	22.1	
E6563299 (9326344)	2.63	2070	6	2	7.6	113	0.03	7	1.52	17.8	0.13	0.1	44	22.4	
E6563300 (9326345)	2.92	2240	7	1	7.2	114	0.04	15	1.51	15.7	0.37	<0.1	47	22.6	
E6563301 (9326346)	2.57	2060	6	2	8.1	107	0.04	10	1.55	14.6	0.11	0.1	46	22.7	
E6563302 (9326347)	2.08	1840	5	2	8.0	96	0.04	30	1.60	18.7	0.18	<0.1	43	23.8	
E6563303 (9326348)	1.86	1810	5	1	7.9	112	0.04	26	1.55	10.6	1.09	<0.1	41	24.1	
E6563304 (9326349)	2.37	1970	7	2	7.3	95	0.04	6	1.48	18.3	0.37	0.1	41	23.4	
E6563305 (9326350)	3.08	2340	7	1	7.8	114	0.04	33	1.57	25.6	0.76	0.3	50	22.0	
E6563306 (9326351)	2.69	464	13	7	31.7	163	0.07	13	8.52	114	1.58	1.6	7	25.8	
E6563307 (9326352)	2.50	2020	6	2	7.9	98	0.04	535	1.58	35.3	0.51	0.2	47	23.2	
E6563308 (9326353)	2.02	1760	7	2	8.3	78	0.04	38	1.57	30.5	0.13	0.1	45	24.9	
E6563309 (9326354)	2.32	2080	6	2	8.2	92	0.04	8	1.63	39.7	0.31	0.3	47	22.6	
E6563310 (9326355)	3.08	2310	6	1	7.7	97	0.04	12	1.50	32.2	0.77	0.3	48	21.8	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 29, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %	
Sample ID (AGAT ID)	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563311 (9326356)	3.21	2660	4	1	7.5	105	0.04	6	1.51	36.8	0.93	0.3	48	20.9	
E6563312 (9326357)	1.67	76	<2	<1	1.0	<5	<0.01	<5	0.23	1.0	<0.01	<0.1	<5	4.13	
E6563313 (9326358)	3.44	2630	5	1	7.6	110	0.03	13	1.43	24.5	1.07	0.5	47	20.8	
E6563314 (9326359)	2.86	2020	6	1	7.6	102	0.03	87	1.50	11.0	1.14	1.5	45	21.6	
E6563315 (9326360)	2.72	2130	5	2	8.1	95	0.03	7	1.56	34.5	0.26	0.5	47	21.7	
E6563316 (9326361)	2.66	1940	4	2	8.8	89	0.04	11	1.75	43.5	0.12	0.4	47	22.4	
E6563317 (9326362)	2.88	2440	5	1	7.5	96	0.04	6	1.47	27.9	0.45	0.2	47	21.5	
E6563318 (9326363)	2.92	2480	5	2	7.8	100	0.03	7	1.48	24.7	0.50	0.3	47	21.2	
E6563319 (9326364)	2.73	2340	6	2	8.0	93	0.04	8	1.57	29.3	0.52	0.3	46	23.2	
E6563320 (9326365)	2.79	2260	5	2	8.0	97	0.03	10	1.59	33.3	0.28	0.2	46	22.4	
E6563321 (9326366)	2.19	1770	5	2	8.8	78	0.04	5	1.73	38.1	0.14	<0.1	47	24.2	
E6563322 (9326367)	2.72	2370	5	2	7.8	85	0.04	6	1.53	27.4	0.27	0.3	45	21.7	
E6563323 (9326368)	2.68	2210	4	1	7.2	83	0.04	12	1.44	34.3	0.49	0.9	43	21.7	
E6563324 (9326369)	2.57	2130	5	2	8.3	90	0.04	<5	1.62	39.5	0.50	0.3	47	22.3	
E6563325 (9326370)	2.97	2180	4	1	7.2	89	0.03	<5	1.46	30.9	0.34	0.3	44	22.0	
E6563326 (9326371)	2.70	468	13	7	31.1	164	0.07	13	8.38	111	1.59	1.7	7	26.0	
E6563327 (9326372)	2.57	1960	6	2	10.7	89	0.06	7	2.30	36.7	0.25	0.3	43	22.9	
E6563328 (9326373)	2.47	1970	4	2	11.9	90	0.06	5	2.53	35.6	0.35	0.3	43	22.1	
E6563329 (9326374)	2.75	1530	3	6	45.4	51	0.29	8	11.0	28.4	0.49	<0.1	18	25.8	
E6563330 (9326375)	1.61	1490	4	2	9.3	52	0.05	5	1.95	63.4	0.35	0.1	34	24.8	
E6563331 (9326376)	1.50	1390	3	2	8.7	43	0.05	<5	1.73	52.0	0.30	<0.1	42	24.7	
E6563332 (9326377)	2.22	86	<2	<1	1.1	<5	<0.01	<5	0.23	1.5	<0.01	<0.1	<5	3.66	
E6563333 (9326378)	1.21	1290	4	2	8.6	43	0.04	<5	1.73	40.7	0.14	0.1	49	25.0	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018					DATE REPORTED: Jul 29, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	
Sample ID (AGAT ID)	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6563279 (9326324)	2.4	<1	135	0.9	0.55	0.9	0.62	<0.5	0.35	0.12	308	1	22.1	2.5	
E6563280 (9326325)	2.5	<1	133	<0.5	0.60	0.7	0.65	<0.5	0.35	0.11	303	1	23.4	2.6	
E6563281 (9326326)	2.4	<1	132	<0.5	0.56	0.6	0.64	<0.5	0.32	0.12	286	<1	21.2	2.3	
E6563282 (9326327)	2.5	<1	118	<0.5	0.60	0.6	0.68	<0.5	0.38	0.12	296	1	22.4	2.6	
E6563283 (9326328)	2.4	<1	124	<0.5	0.60	0.6	0.68	<0.5	0.37	0.12	305	<1	22.5	2.5	
E6563284 (9326329)	2.4	<1	114	<0.5	0.58	0.5	0.67	<0.5	0.35	0.12	291	3	21.6	2.3	
E6563285 (9326330)	2.3	<1	99.6	<0.5	0.56	0.6	0.73	<0.5	0.38	0.12	301	1	22.4	2.5	
E6563286 (9326331)	5.4	2	28.5	<0.5	0.54	10.0	0.24	0.8	0.28	6.71	55	4	18.2	2.0	
E6563287 (9326332)	2.4	<1	131	<0.5	0.58	1.0	0.65	<0.5	0.36	0.11	302	2	22.6	2.6	
E6563288 (9326333)	2.5	6	120	<0.5	0.57	0.6	0.64	<0.5	0.38	0.13	304	1	23.2	2.5	
E6563289 (9326334)	2.5	<1	113	<0.5	0.59	0.5	0.61	<0.5	0.41	0.11	311	1	24.3	2.9	
E6563290 (9326335)	2.5	<1	137	<0.5	0.56	0.5	0.67	<0.5	0.33	0.12	296	<1	21.8	2.4	
E6563291 (9326336)	2.4	<1	141	<0.5	0.57	0.5	0.66	<0.5	0.35	0.12	303	1	22.0	2.5	
E6563292 (9326337)	0.2	<1	50.9	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.12	5	<1	2.5	0.2	
E6563293 (9326338)	2.5	<1	140	<0.5	0.60	0.5	0.65	<0.5	0.36	0.13	298	1	22.4	2.6	
E6563294 (9326339)	2.4	1	142	<0.5	0.56	0.5	0.63	<0.5	0.37	0.12	304	1	21.8	2.7	
E6563295 (9326340)	2.5	<1	150	<0.5	0.59	0.5	0.65	<0.5	0.36	0.12	299	2	22.6	2.6	
E6563296 (9326341)	2.4	<1	143	<0.5	0.61	0.5	0.67	<0.5	0.39	0.13	312	2	23.8	2.7	
E6563297 (9326342)	2.4	8	186	<0.5	0.57	0.5	0.64	<0.5	0.38	0.12	301	2	22.6	2.5	
E6563298 (9326343)	2.5	1	187	<0.5	0.58	0.9	0.65	<0.5	0.34	0.12	303	2	22.6	2.5	
E6563299 (9326344)	2.4	<1	135	<0.5	0.57	0.8	0.65	<0.5	0.37	0.13	302	<1	22.8	2.6	
E6563300 (9326345)	2.3	3	119	<0.5	0.59	0.6	0.62	<0.5	0.37	0.12	313	1	22.6	2.7	
E6563301 (9326346)	2.6	<1	128	<0.5	0.62	0.6	0.65	<0.5	0.39	0.11	308	1	22.8	2.6	
E6563302 (9326347)	2.4	1	118	<0.5	0.60	0.5	0.66	<0.5	0.36	0.12	298	4	21.5	2.4	
E6563303 (9326348)	2.6	<1	135	<0.5	0.55	0.5	0.65	<0.5	0.33	0.12	307	2	21.2	2.4	
E6563304 (9326349)	2.3	1	118	<0.5	0.52	0.5	0.64	<0.5	0.33	0.12	289	<1	21.1	2.4	
E6563305 (9326350)	2.5	2	131	<0.5	0.56	0.4	0.63	<0.5	0.39	0.13	325	1	22.5	2.7	
E6563306 (9326351)	5.5	2	30.2	<0.5	0.59	10.1	0.24	0.9	0.29	6.91	56	4	19.4	2.0	
E6563307 (9326352)	2.4	<1	116	<0.5	0.59	0.9	0.68	<0.5	0.37	0.13	313	1	23.3	2.5	
E6563308 (9326353)	2.6	<1	126	<0.5	0.58	0.6	0.70	<0.5	0.35	0.11	304	<1	22.3	2.5	
E6563309 (9326354)	2.5	<1	149	<0.5	0.63	0.5	0.69	<0.5	0.38	0.14	320	1	23.5	2.7	
E6563310 (9326355)	2.6	1	151	<0.5	0.59	0.4	0.64	0.5	0.39	0.12	318	2	23.5	2.8	

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AGAT WORK ORDER: 18T350346

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 14, 2018

DATE REPORTED: Jul 29, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563311 (9326356)		2.4	1	144	<0.5	0.54	0.4	0.61	0.5	0.40	0.11	321	1	23.2	3.0
E6563312 (9326357)		0.2	<1	57.4	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.16	<5	<1	2.6	0.2
E6563313 (9326358)		2.3	2	162	<0.5	0.60	0.4	0.59	<0.5	0.42	0.11	313	1	23.8	3.0
E6563314 (9326359)		2.3	<1	219	<0.5	0.56	0.4	0.62	<0.5	0.37	0.13	308	1	22.8	2.8
E6563315 (9326360)		2.5	<1	191	<0.5	0.58	0.4	0.65	<0.5	0.39	0.11	319	<1	23.3	2.7
E6563316 (9326361)		2.6	1	170	<0.5	0.64	0.4	0.67	<0.5	0.38	0.11	312	1	24.1	2.7
E6563317 (9326362)		2.3	1	143	<0.5	0.57	0.4	0.63	<0.5	0.37	0.12	318	1	23.6	2.7
E6563318 (9326363)		2.3	1	134	<0.5	0.60	1.2	0.62	<0.5	0.40	0.12	322	1	23.8	2.9
E6563319 (9326364)		2.5	1	138	<0.5	0.58	0.9	0.63	<0.5	0.38	0.11	310	1	23.6	2.6
E6563320 (9326365)		2.6	2	171	<0.5	0.58	0.7	0.65	<0.5	0.39	0.11	312	1	23.7	2.6
E6563321 (9326366)		2.7	1	147	<0.5	0.62	0.6	0.69	<0.5	0.36	0.11	309	1	23.7	2.5
E6563322 (9326367)		2.5	1	174	<0.5	0.59	0.5	0.64	<0.5	0.38	0.12	306	1	23.4	2.6
E6563323 (9326368)		2.5	1	161	<0.5	0.55	0.5	0.62	<0.5	0.37	0.10	303	1	22.7	2.5
E6563324 (9326369)		2.7	1	176	<0.5	0.62	0.5	0.65	<0.5	0.40	0.11	310	1	24.7	2.9
E6563325 (9326370)		2.4	1	165	<0.5	0.57	0.5	0.64	<0.5	0.37	0.11	306	2	22.1	2.5
E6563326 (9326371)		5.6	2	30.0	<0.5	0.58	10.2	0.24	0.8	0.30	6.95	57	4	19.1	2.0
E6563327 (9326372)		3.1	1	218	<0.5	0.64	1.4	0.64	<0.5	0.37	0.33	298	2	23.4	2.5
E6563328 (9326373)		3.2	1	232	<0.5	0.60	1.2	0.63	<0.5	0.37	0.39	295	2	23.3	2.7
E6563329 (9326374)		9.1	2	587	<0.5	0.99	7.7	0.43	<0.5	0.30	2.72	147	3	24.6	2.0
E6563330 (9326375)		2.9	1	179	<0.5	0.60	0.9	0.71	0.5	0.34	0.16	279	4	22.3	2.3
E6563331 (9326376)		2.6	<1	131	<0.5	0.60	0.6	0.70	<0.5	0.34	0.11	304	2	21.4	2.3
E6563332 (9326377)		0.2	1	55.1	<0.5	<0.05	0.2	0.02	<0.5	<0.05	0.12	7	<1	2.7	0.2
E6563333 (9326378)		2.7	1	127	<0.5	0.60	0.5	0.69	<0.5	0.32	0.12	307	3	21.4	2.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 29, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6563279 (9326324)		63	60.2
E6563280 (9326325)		77	63.4
E6563281 (9326326)		118	62.1
E6563282 (9326327)		146	65.5
E6563283 (9326328)		67	66.2
E6563284 (9326329)		77	65.0
E6563285 (9326330)		75	69.5
E6563286 (9326331)		5	169
E6563287 (9326332)		70	64.9
E6563288 (9326333)		84	62.0
E6563289 (9326334)		90	61.2
E6563290 (9326335)		80	64.4
E6563291 (9326336)		92	64.3
E6563292 (9326337)		<5	3.4
E6563293 (9326338)		278	63.9
E6563294 (9326339)		156	61.3
E6563295 (9326340)		82	63.7
E6563296 (9326341)		85	66.0
E6563297 (9326342)		73	63.4
E6563298 (9326343)		73	63.2
E6563299 (9326344)		79	63.4
E6563300 (9326345)		94	61.4
E6563301 (9326346)		74	64.4
E6563302 (9326347)		77	63.7
E6563303 (9326348)		99	60.8
E6563304 (9326349)		81	63.4
E6563305 (9326350)		187	61.7
E6563306 (9326351)		<5	183
E6563307 (9326352)		3920	68.1
E6563308 (9326353)		169	67.6
E6563309 (9326354)		81	68.0
E6563310 (9326355)		87	61.6

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AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018 DATE RECEIVED: Jun 14, 2018 DATE REPORTED: Jul 29, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563311 (9326356)		107	58.8
E6563312 (9326357)		<5	5.2
E6563313 (9326358)		103	57.2
E6563314 (9326359)		523	61.2
E6563315 (9326360)		84	63.5
E6563316 (9326361)		93	66.9
E6563317 (9326362)		97	62.2
E6563318 (9326363)		98	61.6
E6563319 (9326364)		103	63.3
E6563320 (9326365)		113	66.4
E6563321 (9326366)		75	67.5
E6563322 (9326367)		100	65.2
E6563323 (9326368)		98	61.9
E6563324 (9326369)		84	65.3
E6563325 (9326370)		91	63.2
E6563326 (9326371)		12	175
E6563327 (9326372)		79	75.9
E6563328 (9326373)		83	75.0
E6563329 (9326374)		101	177
E6563330 (9326375)		66	76.7
E6563331 (9326376)		61	72.9
E6563332 (9326377)		<5	4.2
E6563333 (9326378)		66	73.1

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Jul 29, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563279 (9326324)		82
E6563288 (9326333)		85
E6563297 (9326342)		88
E6563305 (9326350)		83
E6563311 (9326356)		84
E6563320 (9326365)		86

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 14, 2018	DATE REPORTED: Jul 29, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563279 (9326324)		86.8
E6563309 (9326354)		93.1

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9326324	< 1	< 1	0.0%	9326335	< 1	< 1	0.0%	9326347	< 1	< 1	0.0%	9326349	< 1	< 1	0.0%
Al	9326324	8.34	8.41	0.8%	9326335	8.91	8.97	0.7%	9326347	8.98	9.09	1.2%	9326349	8.47	8.58	1.3%
As	9326324	7	< 5		9326335	< 5	< 5	0.0%	9326347	< 5	< 5	0.0%	9326349	< 5	< 5	0.0%
B	9326324	< 20	< 20	0.0%	9326335	< 20	< 20	0.0%	9326347	20	22	9.5%	9326349	< 20	< 20	0.0%
Ba	9326324	70.3	70.0	0.4%	9326335	131	132	0.8%	9326347	111	111	0.0%	9326349	82.2	83.7	1.8%
Be	9326324	< 5	< 5	0.0%	9326335	< 5	< 5	0.0%	9326347	< 5	< 5	0.0%	9326349	< 5	< 5	0.0%
Bi	9326324	0.1	0.1	0.0%	9326335	0.1	0.1	0.0%	9326347	< 0.1	< 0.1	0.0%	9326349	< 0.1	< 0.1	0.0%
Ca	9326324	8.61	8.62	0.1%	9326335	7.51	7.52	0.1%	9326347	7.29	7.42	1.8%	9326349	7.58	7.62	0.5%
Cd	9326324	< 0.2	< 0.2	0.0%	9326335	< 0.2	< 0.2	0.0%	9326347	< 0.2	< 0.2	0.0%	9326349	< 0.2	< 0.2	0.0%
Ce	9326324	9.35	9.50	1.6%	9326335	9.94	9.96	0.2%	9326347	10.2	10.3	1.0%	9326349	9.60	9.78	1.9%
Co	9326324	50.9	49.0	3.8%	9326335	52.2	51.8	0.8%	9326347	48.1	50.8	5.5%	9326349	62.3	60.1	3.6%
Cr	9326324	0.0213	0.0216	1.4%	9326335	0.024	0.024	0.0%	9326347	0.022	0.022	0.0%	9326349	0.0231	0.0256	10.3%
Cs	9326324	0.2	0.2	0.0%	9326335	0.5	0.5	0.0%	9326347	0.4	0.4	0.0%	9326349	0.5	0.5	0.0%
Cu	9326324	71	60	16.8%	9326335	61	62	1.6%	9326347	90	92	2.2%	9326349	147	147	0.0%
Dy	9326324	3.69	3.77	2.1%	9326335	3.75	3.75	0.0%	9326347	3.96	3.88	2.0%	9326349	3.60	3.69	2.5%
Er	9326324	2.41	2.48	2.9%	9326335	2.48	2.38	4.1%	9326347	2.46	2.38	3.3%	9326349	2.32	2.33	0.4%
Eu	9326324	0.98	0.98	0.0%	9326335	0.893	0.923	3.3%	9326347	0.94	0.87	7.7%	9326349	0.84	0.94	11.2%
Fe	9326324	8.04	8.10	0.7%	9326335	7.17	7.21	0.6%	9326347	7.09	7.19	1.4%	9326349	7.99	7.96	0.4%
Ga	9326324	19.4	18.5	4.7%	9326335	19.1	18.9	1.1%	9326347	18.4	18.9	2.7%	9326349	19.7	18.6	5.7%
Gd	9326324	3.23	3.32	2.7%	9326335	3.45	3.39	1.8%	9326347	3.49	3.48	0.3%	9326349	3.06	3.09	1.0%
Ge	9326324	2	2	0.0%	9326335	1	1	0.0%	9326347	1	1	0.0%	9326349	2	1	
Hf	9326324	2	2	0.0%	9326335	2	2	0.0%	9326347	2	2	0.0%	9326349	2	2	0.0%
Ho	9326324	0.81	0.82	1.2%	9326335	0.793	0.798	0.6%	9326347	0.827	0.813	1.7%	9326349	0.777	0.750	3.5%
In	9326324	< 0.2	< 0.2	0.0%	9326335	< 0.2	< 0.2	0.0%	9326347	< 0.2	< 0.2	0.0%	9326349	< 0.2	< 0.2	0.0%
K	9326324	0.32	0.32	0.0%	9326335	0.53	0.53	0.0%	9326347	0.492	0.498	1.2%	9326349	0.39	0.40	2.5%
La	9326324	3.65	3.72	1.9%	9326335	3.95	3.80	3.9%	9326347	3.9	3.9	0.0%	9326349	3.7	3.8	2.7%
Li	9326324	11	11	0.0%	9326335	< 10	< 10	0.0%	9326347	15	15	0.0%	9326349	< 10	< 10	0.0%
Lu	9326324	0.40	0.40	0.0%	9326335	0.365	0.368	0.8%	9326347	0.356	0.353	0.8%	9326349	0.34	0.36	5.7%
Mg	9326324	2.51	2.64	5.0%	9326335	2.11	2.14	1.4%	9326347	2.08	2.13	2.4%	9326349	2.37	2.41	1.7%
Mn	9326324	1930	1970	2.1%	9326335	1870	1860	0.5%	9326347	1840	1860	1.1%	9326349	1970	1960	0.5%
Mo	9326324	5	6	18.2%	9326335	7	6	15.4%	9326347	5	5	0.0%	9326349	7	7	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9326324	2	2	0.0%	9326335	2	2	0.0%	9326347	2	2	0.0%	9326349	2	1	
Nd	9326324	7.28	7.12	2.2%	9326335	7.7	7.5	2.6%	9326347	8.0	8.0	0.0%	9326349	7.3	7.3	0.0%
Ni	9326324	103	101	2.0%	9326335	104	102	1.9%	9326347	96	94	2.1%	9326349	95	95	0.0%
P	9326324	0.039	0.033	16.7%	9326335	0.042	0.032	27.0%	9326347	0.037	0.034	8.5%	9326349	0.038	0.033	14.1%
Pb	9326324	10	7		9326335	8	7	13.3%	9326347	30	29	3.4%	9326349	6	5	18.2%
Pr	9326324	1.44	1.47	2.1%	9326335	1.57	1.51	3.9%	9326347	1.60	1.59	0.6%	9326349	1.48	1.52	2.7%
Rb	9326324	11.0	11.0	0.0%	9326335	24.4	24.1	1.2%	9326347	18.7	19.5	4.2%	9326349	18.3	18.1	1.1%
S	9326324	0.110	0.084	26.8%	9326335	0.05	0.05	0.0%	9326347	0.18	0.18	0.0%	9326349	0.367	0.359	2.2%
Sb	9326324	0.25	0.26	3.9%	9326335	0.2	0.2	0.0%	9326347	< 0.1	< 0.1	0.0%	9326349	0.1	< 0.1	
Sc	9326324	44	44	0.0%	9326335	42	42	0.0%	9326347	43	43	0.0%	9326349	41	41	0.0%
Si	9326324	24.4	24.6	0.8%	9326335	24.1	24.3	0.8%	9326347	23.8	24.2	1.7%	9326349	23.4	23.8	1.7%
Sm	9326324	2.35	2.35	0.0%	9326335	2.5	2.3	8.3%	9326347	2.39	2.47	3.3%	9326349	2.3	2.3	0.0%
Sn	9326324	< 1	< 1		9326335	< 1	< 1	0.0%	9326347	1	< 1		9326349	1	< 1	
Sr	9326324	135	135	0.0%	9326335	137	135	1.5%	9326347	118	120	1.7%	9326349	118	119	0.8%
Ta	9326324	0.9	< 0.5		9326335	< 0.5	< 0.5	0.0%	9326347	< 0.5	< 0.5	0.0%	9326349	< 0.5	< 0.5	0.0%
Tb	9326324	0.554	0.566	2.1%	9326335	0.56	0.56	0.0%	9326347	0.60	0.60	0.0%	9326349	0.52	0.52	0.0%
Th	9326324	0.9	0.8	11.8%	9326335	0.5	0.5	0.0%	9326347	0.5	0.5	0.0%	9326349	0.5	0.5	0.0%
Ti	9326324	0.62	0.63	1.6%	9326335	0.673	0.677	0.6%	9326347	0.664	0.675	1.6%	9326349	0.644	0.649	0.8%
Tl	9326324	< 0.5	< 0.5	0.0%	9326335	< 0.5	< 0.5	0.0%	9326347	< 0.5	< 0.5	0.0%	9326349	< 0.5	< 0.5	0.0%
Tm	9326324	0.35	0.37	5.6%	9326335	0.33	0.34	3.0%	9326347	0.36	0.34	5.7%	9326349	0.33	0.32	3.1%
U	9326324	0.12	0.11	8.7%	9326335	0.12	0.13	8.0%	9326347	0.12	0.12	0.0%	9326349	0.12	0.12	0.0%
V	9326324	308	308	0.0%	9326335	296	296	0.0%	9326347	298	299	0.3%	9326349	289	288	0.3%
W	9326324	1	2		9326335	< 1	< 1	0.0%	9326347	4	1		9326349	< 1	< 1	0.0%
Y	9326324	22.1	22.0	0.5%	9326335	21.8	21.3	2.3%	9326347	21.5	22.1	2.8%	9326349	21.1	20.7	1.9%
Yb	9326324	2.53	2.56	1.2%	9326335	2.4	2.4	0.0%	9326347	2.4	2.4	0.0%	9326349	2.4	2.4	0.0%
Zn	9326324	63	64	1.6%	9326335	80	79	1.3%	9326347	77	77	0.0%	9326349	81	81	0.0%
Zr	9326324	60.2	61.7	2.5%	9326335	64.4	63.1	2.0%	9326347	63.7	65.4	2.6%	9326349	63.4	62.4	1.6%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9326359	1	2		9326372	< 1	< 1	0.0%	9326374	< 1	< 1	0.0%				
Al	9326359	8.29	8.33	0.5%	9326372	8.72	8.63	1.0%	9326374	7.58	7.53	0.7%				
As	9326359	6	< 5		9326372	6	< 5		9326374	< 5	6					
B	9326359	47	46	2.2%	9326372	< 20	< 20	0.0%	9326374	< 20	< 20	0.0%				
Ba	9326359	101	98.7	2.3%	9326372	211	204	3.4%	9326374	1420	1450	2.1%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9326359	< 5	< 5	0.0%	9326372	< 5	< 5	0.0%	9326374	< 5	< 5	0.0%				
Bi	9326359	0.94	0.98	4.2%	9326372	0.7	0.3		9326374	0.2	0.1					
Ca	9326359	8.37	8.13	2.9%	9326372	8.47	8.37	1.2%	9326374	4.56	4.72	3.4%				
Cd	9326359	1.60	1.67	4.3%	9326372	< 0.2	< 0.2	0.0%	9326374	< 0.2	< 0.2	0.0%				
Ce	9326359	10.0	10.1	1.0%	9326372	15.9	16.5	3.7%	9326374	88.0	87.1	1.0%				
Co	9326359	71.7	67.8	5.6%	9326372	51.7	51.7	0.0%	9326374	26.5	24.5	7.8%				
Cr	9326359	0.021	0.021	0.0%	9326372	0.023	0.022	4.4%	9326374	0.0136	0.0133	2.2%				
Cs	9326359	0.2	0.2	0.0%	9326372	0.68	0.63	7.6%	9326374	0.54	0.59	8.8%				
Cu	9326359	198	196	1.0%	9326372	89	88	1.1%	9326374	136	134	1.5%				
Dy	9326359	3.98	3.94	1.0%	9326372	4.07	4.16	2.2%	9326374	4.93	4.88	1.0%				
Er	9326359	2.45	2.61	6.3%	9326372	2.59	2.50	3.5%	9326374	2.23	2.22	0.4%				
Eu	9326359	0.883	0.920	4.1%	9326372	1.01	1.06	4.8%	9326374	2.46	2.50	1.6%				
Fe	9326359	9.39	9.40	0.1%	9326372	8.16	8.02	1.7%	9326374	5.82	5.86	0.7%				
Ga	9326359	20.4	20.1	1.5%	9326372	19.4	19.9	2.5%	9326374	20.8	20.5	1.5%				
Gd	9326359	3.30	3.27	0.9%	9326372	3.90	3.84	1.6%	9326374	8.43	8.52	1.1%				
Ge	9326359	2	2	0.0%	9326372	2	2	0.0%	9326374	2	1					
Hf	9326359	2	2	0.0%	9326372	2	2	0.0%	9326374	5	4	22.2%				
Ho	9326359	0.81	0.86	6.0%	9326372	0.86	0.87	1.2%	9326374	0.824	0.837	1.6%				
In	9326359	< 0.2	< 0.2	0.0%	9326372	< 0.2	< 0.2	0.0%	9326374	< 0.2	< 0.2	0.0%				
K	9326359	0.31	0.32	3.2%	9326372	0.73	0.72	1.4%	9326374	0.992	1.00	0.8%				
La	9326359	4.0	4.0	0.0%	9326372	6.69	6.96	4.0%	9326374	41.3	41.4	0.2%				
Li	9326359	11	10	9.5%	9326372	11	10	9.5%	9326374	< 10	11					
Lu	9326359	0.42	0.41	2.4%	9326372	0.40	0.40	0.0%	9326374	0.322	0.295	8.8%				
Mg	9326359	2.86	2.90	1.4%	9326372	2.57	2.46	4.4%	9326374	2.75	2.67	3.0%				
Mn	9326359	2020	2000	1.0%	9326372	1960	1920	2.1%	9326374	1530	1520	0.7%				
Mo	9326359	6	6	0.0%	9326372	6	6	0.0%	9326374	3	3	0.0%				
Nb	9326359	1	1	0.0%	9326372	2	2	0.0%	9326374	6	6	0.0%				
Nd	9326359	7.6	7.6	0.0%	9326372	10.7	10.9	1.9%	9326374	45.4	45.9	1.1%				
Ni	9326359	102	98	4.0%	9326372	89	87	2.3%	9326374	51	50	2.0%				
P	9326359	0.03	0.03	0.0%	9326372	0.061	0.051	17.9%	9326374	0.293	0.296	1.0%				
Pb	9326359	87	87	0.0%	9326372	7	5		9326374	8	8	0.0%				
Pr	9326359	1.50	1.53	2.0%	9326372	2.30	2.30	0.0%	9326374	11.0	11.1	0.9%				
Rb	9326359	11.0	10.9	0.9%	9326372	36.7	36.6	0.3%	9326374	28.4	27.7	2.5%				
S	9326359	1.14	1.14	0.0%	9326372	0.254	0.244	4.0%	9326374	0.485	0.474	2.3%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sb	9326359	1.5	1.5	0.0%	9326372	0.3	0.3	0.0%	9326374	< 0.1	< 0.1	0.0%				
Sc	9326359	45	44	2.2%	9326372	43	42	2.4%	9326374	18	17	5.7%				
Si	9326359	21.6	21.7	0.5%	9326372	22.9	22.6	1.3%	9326374	25.8	26.1	1.2%				
Sm	9326359	2.33	2.53	8.2%	9326372	3.1	3.2	3.2%	9326374	9.1	9.6	5.3%				
Sn	9326359	< 1	< 1	0.0%	9326372	1	1	0.0%	9326374	2	2	0.0%				
Sr	9326359	219	220	0.5%	9326372	218	214	1.9%	9326374	587	592	0.8%				
Ta	9326359	< 0.5	< 0.5	0.0%	9326372	< 0.5	< 0.5	0.0%	9326374	< 0.5	< 0.5	0.0%				
Tb	9326359	0.56	0.56	0.0%	9326372	0.64	0.62	3.2%	9326374	0.991	1.01	1.9%				
Th	9326359	0.4	0.4	0.0%	9326372	1.4	1.2	15.4%	9326374	7.67	7.62	0.7%				
Ti	9326359	0.62	0.62	0.0%	9326372	0.644	0.634	1.6%	9326374	0.43	0.43	0.0%				
Tl	9326359	< 0.5	< 0.5	0.0%	9326372	< 0.5	< 0.5	0.0%	9326374	< 0.5	< 0.5	0.0%				
Tm	9326359	0.374	0.381	1.9%	9326372	0.37	0.37	0.0%	9326374	0.30	0.30	0.0%				
U	9326359	0.13	0.13	0.0%	9326372	0.33	0.33	0.0%	9326374	2.72	2.71	0.4%				
V	9326359	308	303	1.6%	9326372	298	292	2.0%	9326374	147	145	1.4%				
W	9326359	1	1	0.0%	9326372	2	2	0.0%	9326374	3	4	28.6%				
Y	9326359	22.8	22.2	2.7%	9326372	23.4	23.8	1.7%	9326374	24.6	24.2	1.6%				
Yb	9326359	2.77	2.68	3.3%	9326372	2.55	2.63	3.1%	9326374	2.0	2.0	0.0%				
Zn	9326359	523	508	2.9%	9326372	79	77	2.6%	9326374	101	102	1.0%				
Zr	9326359	61.2	59.9	2.1%	9326372	75.9	75.8	0.1%	9326374	177	174	1.7%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SY-4)				CRM #3 (ref.SU-1b)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	6.39	6.91	108%	90% - 110%					6.39	5.97	93%	90% - 110%				
Al	4.30	4.36	101%	90% - 110%	10.95	11.22	102%	90% - 110%	4.30	4.38	102%	90% - 110%	10.95	11.44	104%	90% - 110%
Ba					340	334	98%	90% - 110%					340	332	98%	90% - 110%
Be					2.6	2.9	110%	90% - 110%					2.6	3	115%	90% - 110%
Ca	2.21	2.26	102%	90% - 110%	5.72	5.95	104%	90% - 110%	2.21	2.34	106%	90% - 110%	5.72	5.98	105%	90% - 110%
Ce					122	119	98%	90% - 110%					122	127	104%	90% - 110%
Co	672	662	99%	90% - 110%	2.8	2.4	85%	90% - 110%	672	652	97%	90% - 110%	2.8	2.4	87%	90% - 110%
Cr	0.032	0.033	105%	90% - 110%					0.032	0.033	104%	90% - 110%				
Cs					1.5	1.6	104%	90% - 110%					1.5	1.6	104%	90% - 110%
Cu	11850	11412	96%	90% - 110%					11850	11450	97%	90% - 110%				
Dy					18.2	18.6	102%	90% - 110%					18.2	19.4	107%	90% - 110%
Er					14.2	14.4	101%	90% - 110%					14.2	14.8	104%	90% - 110%
Eu					2.0	1.9	96%	90% - 110%					2.0	2	101%	90% - 110%
Fe	25.54	24.83	97%	90% - 110%	4.34	4.34	100%	90% - 110%	25.54	24.82	97%	90% - 110%	4.34	4.36	100%	90% - 110%
Ga					35	37	105%	90% - 110%					35	38	108%	90% - 110%
Gd					14	15	106%	90% - 110%					14	15	108%	90% - 110%
Hf					10.6	10.8	102%	90% - 110%					10.6	10.2	96%	90% - 110%
Ho					4.3	4.4	102%	90% - 110%					4.3	4.4	103%	90% - 110%
K					1.37	1.43	104%	90% - 110%					1.37	1.41	103%	90% - 110%
La					58	57	99%	90% - 110%					58	61	104%	90% - 110%
Li					37	39	104%	90% - 110%					37	35	95%	90% - 110%
Lu					2.1	2.2	104%	90% - 110%					2.1	2.2	106%	90% - 110%
Mg	1.79	1.79	100%	90% - 110%	0.325	0.328	101%	90% - 110%	1.79	1.87	104%	90% - 110%	0.325	0.326	100%	90% - 110%
Mn	703	698	99%	90% - 110%	836	819	98%	90% - 110%	703	698	99%	90% - 110%	836	813	97%	90% - 110%
Nb					13	13	99%	90% - 110%					13	13	103%	90% - 110%
Nd					57	57	100%	90% - 110%					57	61	107%	90% - 110%
Ni	19530	18593	95%	90% - 110%	9	7	81%	90% - 110%	19530	17817	91%	90% - 110%				
Pb	58	59	102%	90% - 110%	10	10	98%	90% - 110%	58	60	103%	90% - 110%	10	10	103%	90% - 110%
Pr					15.0	14.7	98%	90% - 110%					15.0	15.7	105%	90% - 110%
Rb					55	55	100%	90% - 110%					55	57	104%	90% - 110%
S	14.14	13.06	92%	90% - 110%					14.14	13.15	93%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	15.23	15.5	102%	90% - 110%	23.3	21.6	93%	90% - 110%	15.23	14.31	94%	90% - 110%	23.3	21.9	94%	90% - 110%
Sm					12.7	12.7	100%	90% - 110%					12.7	13.2	104%	90% - 110%
Sn					7.1	7.1	100%	90% - 110%					7.1	6.9	98%	90% - 110%
Sr					1191	1260	106%	90% - 110%					1191	1252	105%	90% - 110%
Ta					0.9	1.1	123%	90% - 110%					0.9	0.9	100%	90% - 110%
Tb					2.6	2.7	104%	90% - 110%					2.6	2.7	105%	90% - 110%
Th					1.4	1.2	87%	90% - 110%					1.4	1.3	93%	90% - 110%
Ti					0.172	0.169	99%	90% - 110%					0.172	0.173	101%	90% - 110%
Tm					2.3	2.2	96%	90% - 110%					2.3	2.3	100%	90% - 110%
U					0.8	0.8	95%	90% - 110%					0.8	0.8	103%	90% - 110%
V					8	6	72%	90% - 110%					8	6	72%	90% - 110%
Y					119	122	103%	90% - 110%					119	125	105%	90% - 110%
Yb					14.8	15.6	105%	90% - 110%					14.8	15.9	107%	90% - 110%
Zn	235	260	110%	90% - 110%	93	90	97%	90% - 110%	235	253	107%	90% - 110%	93	89	96%	90% - 110%
Zr					517	557	107%	90% - 110%					517	556	107%	90% - 110%



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-129B
 SAMPLING SITE:

AGAT WORK ORDER: 18T350346
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T350346

PROJECT: DDH-129B

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-130A

AGAT WORK ORDER: 18T342007

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 09, 2018

PAGES (INCLUDING COVER): 39

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018 DATE RECEIVED: May 23, 2018 DATE REPORTED: Jul 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563334 (9263868)		1.39
E6563335 (9263869)		0.82
E6563336 (9263870)		2.41
E6563337 (9263871)		2.62
E6563338 (9263872)		2.62
E6563339 (9263873)		2.45
E6563340 (9263874)		2.19
E6563341 (9263875)		2.36
E6563342 (9263876)		2.43
E6563343 (9263877)		2.10
E6563344 (9263878)		2.33
E6563345 (9263879)		2.81
E6563346 (9263880)		0.01
E6563347 (9263881)		2.65
E6563348 (9263882)		2.90
E6563349 (9263883)		2.65
E6563350 (9263884)		3.17
E6563351 (9263885)		2.71
E6563352 (9263886)		1.47
E6563353 (9263887)		2.28
E6563354 (9263888)		2.70
E6563355 (9263889)		3.15
E6563356 (9263890)		2.99
E6563357 (9263891)		2.45
E6563358 (9263892)		2.45
E6563359 (9263893)		2.34
E6563360 (9263894)		2.27
E6563361 (9263895)		2.76
E6563362 (9263896)		2.74
E6563363 (9263897)		2.78
E6563364 (9263898)		2.76

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563365 (9263899)		2.86
E6563366 (9263900)		0.01
E6563367 (9263901)		2.46
E6563368 (9263902)		2.47
E6563369 (9263903)		2.70
E6563370 (9263904)		2.59
E6563371 (9263905)		2.42
E6563372 (9263906)		1.36
E6563373 (9263907)		2.98
E6563374 (9263908)		2.85
E6563375 (9263909)		2.87
E6563376 (9263910)		3.07
E6563377 (9263911)		2.93
E6563378 (9263912)		2.93
E6563379 (9263913)		2.45
E6563380 (9263914)		2.84
E6563381 (9263915)		2.22
E6563382 (9263916)		2.77
E6563383 (9263917)		2.76
E6563384 (9263918)		3.09
E6563385 (9263919)		2.54
E6563386 (9263920)		0.01
E6563387 (9263921)		2.47
E6563388 (9263922)		3.37
E6563389 (9263923)		2.41
E6563390 (9263924)		2.65
E6563391 (9263925)		2.59
E6563392 (9263926)		1.45
E6563393 (9263927)		3.04
E6563394 (9263928)		3.15
E6563395 (9263929)		2.63

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018 DATE RECEIVED: May 23, 2018 DATE REPORTED: Jul 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563396 (9263930)		2.57
E6563397 (9263931)		2.84
E6563398 (9263932)		2.84
E6563399 (9263933)		3.26
E6563400 (9263934)		2.50
E6563401 (9263935)		2.83
E6563402 (9263936)		2.66
E6563403 (9263937)		3.16
E6563404 (9263938)		3.05
E6563405 (9263939)		3.20
E6563406 (9263940)		0.01
E6563407 (9263941)		2.77
E6563408 (9263942)		3.04
E6563409 (9263943)		2.56
E6563410 (9263944)		2.84
E6563411 (9263945)		2.59
E6563412 (9263946)		1.50
E6563413 (9263947)		2.61
E6563414 (9263948)		2.51
E6563415 (9263949)		2.40
E6563416 (9263950)		2.62
E6563417 (9263951)		3.10
E6563418 (9263952)		3.10
E6563419 (9263953)		2.65
E6563420 (9263954)		2.79
E6563421 (9263955)		2.55
E6563422 (9263956)		2.82
E6563423 (9263957)		3.05
E6563424 (9263958)		2.83
E6563425 (9263959)		2.76
E6563426 (9263960)		0.01

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6563427 (9263961)		2.69
E6563428 (9263962)		2.99
E6563429 (9263963)		2.82
E6563430 (9263964)		2.48
E6563431 (9263965)		2.96
E6563432 (9263966)		1.64
E6563433 (9263967)		3.03
E6563434 (9263968)		1.83
E6563435 (9263969)		2.92
E6563436 (9263970)		2.57

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018	DATE RECEIVED: May 23, 2018					DATE REPORTED: Jul 09, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563334 (9263868)	<1	8.85	5	46	268	<5	0.2	7.46	<0.2	11.0	42.9	0.027	0.7	32	
E6563335 (9263869)	<1	8.52	<5	23	391	<5	0.2	7.32	0.3	10.1	45.3	0.024	0.8	48	
E6563336 (9263870)	<1	8.87	6	25	549	<5	0.2	7.07	0.3	10.6	42.6	0.026	1.4	39	
E6563337 (9263871)	<1	8.46	10	20	280	<5	0.2	7.03	<0.2	9.0	43.8	0.027	2.0	81	
E6563338 (9263872)	<1	8.33	9	22	280	<5	0.3	7.13	<0.2	9.8	47.2	0.030	2.1	84	
E6563339 (9263873)	<1	8.13	5	<20	307	<5	0.3	7.94	<0.2	10.9	48.5	0.026	1.3	74	
E6563340 (9263874)	<1	7.01	34	<20	239	<5	0.8	4.78	2.4	12.7	57.3	0.052	2.2	119	
E6563341 (9263875)	1	4.62	50	<20	63.5	<5	1.6	5.39	0.9	20.2	51.8	0.131	2.2	199	
E6563342 (9263876)	<1	7.71	6	<20	218	<5	0.4	7.93	1.6	12.5	48.8	0.033	1.9	155	
E6563343 (9263877)	<1	8.60	<5	23	333	<5	0.2	7.49	<0.2	11.2	28.6	0.028	1.5	65	
E6563344 (9263878)	<1	8.14	<5	<20	189	<5	0.2	6.65	<0.2	10.4	40.8	0.026	2.3	96	
E6563345 (9263879)	<1	8.09	<5	<20	248	<5	0.3	5.94	<0.2	9.6	46.9	0.022	0.9	63	
E6563346 (9263880)	<1	4.55	591	105	170	<5	7.8	4.11	<0.2	72.9	1040	0.006	2.7	2960	
E6563347 (9263881)	<1	8.74	6	<20	219	<5	0.3	5.84	<0.2	11.7	36.7	0.024	1.4	81	
E6563348 (9263882)	<1	8.55	<5	<20	356	<5	0.2	6.23	<0.2	10.1	34.4	0.022	0.6	47	
E6563349 (9263883)	<1	8.25	16	<20	155	<5	0.5	4.54	0.5	9.9	44.6	0.021	0.6	31	
E6563350 (9263884)	<1	8.21	<5	<20	212	<5	0.2	4.40	<0.2	9.4	38.3	0.022	0.7	58	
E6563351 (9263885)	<1	9.22	<5	20	248	<5	0.1	6.32	<0.2	10.7	29.3	0.027	0.9	47	
E6563352 (9263886)	<1	0.11	<5	<20	16.5	<5	<0.1	33.8	<0.2	0.9	0.9	<0.005	<0.1	7	
E6563353 (9263887)	<1	9.42	13	<20	195	<5	0.3	4.97	0.8	10.6	34.1	0.025	1.3	82	
E6563354 (9263888)	<1	8.95	<5	<20	239	<5	<0.1	8.13	<0.2	10.1	36.7	0.025	1.1	26	
E6563355 (9263889)	<1	8.57	<5	25	266	<5	0.2	7.06	<0.2	11.1	47.6	0.023	1.0	86	
E6563356 (9263890)	<1	8.75	<5	25	252	<5	0.1	7.19	<0.2	9.5	47.9	0.024	1.3	53	
E6563357 (9263891)	<1	8.65	8	<20	245	<5	<0.1	7.49	<0.2	11.9	42.7	0.023	0.6	16	
E6563358 (9263892)	<1	8.71	9	<20	243	<5	<0.1	7.51	<0.2	12.1	42.6	0.024	0.6	16	
E6563359 (9263893)	<1	8.50	8	<20	232	<5	0.4	5.58	<0.2	19.4	39.4	0.025	0.6	219	
E6563360 (9263894)	1	7.46	5	50	137	<5	0.8	4.35	<0.2	15.1	56.2	0.020	0.3	573	
E6563361 (9263895)	<1	8.89	7	<20	269	<5	0.3	5.88	<0.2	11.0	41.6	0.024	0.6	85	
E6563362 (9263896)	<1	9.16	<5	<20	204	<5	0.2	5.71	<0.2	10.2	35.4	0.024	1.0	83	
E6563363 (9263897)	<1	9.08	9	<20	185	<5	0.4	4.72	<0.2	10.3	45.0	0.024	1.2	117	
E6563364 (9263898)	<1	8.72	7	<20	254	<5	0.5	5.20	<0.2	10.9	33.7	0.022	1.0	200	
E6563365 (9263899)	<1	8.80	<5	<20	395	<5	0.5	5.48	<0.2	22.4	32.0	0.022	0.9	158	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018	DATE RECEIVED: May 23, 2018					DATE REPORTED: Jul 09, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563366 (9263900)	<1	4.84	573	111	178	<5	7.9	4.39	<0.2	70.1	1050	0.006	2.6	3060	
E6563367 (9263901)	1	7.32	10	<20	525	<5	1.5	4.03	3.8	92.0	25.6	0.011	0.5	278	
E6563368 (9263902)	<1	7.31	<5	<20	632	<5	0.5	4.34	<0.2	81.5	24.6	0.011	0.5	264	
E6563369 (9263903)	<1	8.11	<5	62	340	<5	0.5	7.26	<0.2	34.5	38.8	0.020	0.7	417	
E6563370 (9263904)	<1	8.57	<5	32	421	<5	0.2	7.97	<0.2	12.1	31.2	0.023	0.6	71	
E6563371 (9263905)	<1	8.23	7	79	266	<5	0.3	6.45	<0.2	9.9	52.1	0.021	0.7	112	
E6563372 (9263906)	<1	0.08	<5	<20	36.1	<5	<0.1	35.1	<0.2	1.0	1.0	<0.005	<0.1	<5	
E6563373 (9263907)	<1	8.30	<5	41	269	<5	0.2	7.53	0.2	10.8	32.4	0.023	0.6	102	
E6563374 (9263908)	<1	8.45	<5	29	227	<5	0.1	7.99	<0.2	11.3	33.2	0.023	0.5	106	
E6563375 (9263909)	<1	7.99	<5	47	156	<5	0.2	8.35	0.2	10.2	47.0	0.024	0.5	201	
E6563376 (9263910)	<1	8.34	<5	33	184	<5	0.1	7.73	<0.2	10.3	30.6	0.021	0.6	71	
E6563377 (9263911)	<1	8.78	5	34	164	<5	<0.1	8.15	<0.2	10.3	36.0	0.025	0.6	51	
E6563378 (9263912)	<1	8.77	8	41	147	<5	<0.1	7.86	<0.2	10.8	42.2	0.023	0.6	67	
E6563379 (9263913)	<1	9.01	7	26	175	<5	<0.1	5.69	<0.2	8.8	38.5	0.023	1.3	34	
E6563380 (9263914)	<1	8.30	<5	27	155	<5	0.2	5.81	<0.2	10.3	47.8	0.022	1.0	126	
E6563381 (9263915)	<1	8.58	<5	<20	196	<5	0.1	6.62	0.3	12.2	27.9	0.023	0.6	41	
E6563382 (9263916)	<1	8.96	<5	21	182	<5	0.1	8.21	<0.2	11.6	34.5	0.023	0.9	53	
E6563383 (9263917)	<1	9.03	<5	35	112	<5	0.2	10.7	0.2	11.1	34.9	0.025	0.2	124	
E6563384 (9263918)	<1	8.37	<5	20	140	<5	0.1	7.98	<0.2	10.7	37.2	0.026	0.5	76	
E6563385 (9263919)	<1	8.61	<5	<20	125	<5	<0.1	8.02	<0.2	10.1	29.8	0.024	0.4	30	
E6563386 (9263920)	<1	4.70	603	109	175	<5	8.0	4.26	<0.2	74.2	1090	0.006	2.7	2980	
E6563387 (9263921)	<1	8.27	<5	20	147	<5	0.4	7.71	<0.2	11.0	43.6	0.023	0.4	348	
E6563388 (9263922)	<1	8.52	<5	<20	120	<5	0.2	7.65	<0.2	11.0	40.3	0.022	0.5	86	
E6563389 (9263923)	<1	8.55	<5	<20	119	<5	0.2	7.56	<0.2	10.4	32.9	0.025	0.6	82	
E6563390 (9263924)	<1	9.17	<5	<20	131	<5	<0.1	7.59	<0.2	11.5	38.5	0.026	0.6	53	
E6563391 (9263925)	<1	8.95	<5	<20	163	<5	0.1	6.19	<0.2	9.7	47.4	0.024	0.9	165	
E6563392 (9263926)	<1	0.08	<5	<20	15.1	<5	<0.1	35.2	<0.2	1.0	1.0	<0.005	<0.1	5	
E6563393 (9263927)	<1	8.33	<5	20	144	<5	0.3	7.08	<0.2	9.9	82.3	0.023	0.7	155	
E6563394 (9263928)	<1	7.80	<5	<20	150	<5	0.4	7.44	<0.2	9.5	120	0.021	1.4	386	
E6563395 (9263929)	<1	8.13	<5	<20	226	<5	0.2	7.99	<0.2	10.6	45.7	0.022	0.6	111	
E6563396 (9263930)	<1	8.59	<5	23	181	<5	0.2	8.25	<0.2	10.3	46.1	0.024	0.4	103	
E6563397 (9263931)	<1	8.91	<5	<20	171	<5	0.2	8.31	<0.2	11.5	35.3	0.024	0.4	99	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6563398 (9263932)		<1	8.85	<5	<20	169	<5	0.2	8.10	<0.2	11.0	35.3	0.026	0.4	91
E6563399 (9263933)		<1	8.91	<5	<20	160	<5	<0.1	8.98	<0.2	11.1	38.3	0.025	0.4	53
E6563400 (9263934)		<1	8.63	<5	20	167	<5	<0.1	8.75	<0.2	10.8	45.3	0.023	0.7	109
E6563401 (9263935)		<1	8.40	<5	31	207	<5	0.1	9.18	<0.2	11.4	45.6	0.023	0.4	151
E6563402 (9263936)		<1	8.73	<5	20	199	<5	0.4	7.90	<0.2	9.9	55.7	0.024	0.9	219
E6563403 (9263937)		<1	8.85	<5	28	268	<5	0.3	8.52	<0.2	10.7	48.8	0.023	0.7	143
E6563404 (9263938)		<1	8.24	<5	20	158	<5	0.1	9.92	<0.2	10.3	51.7	0.024	0.4	231
E6563405 (9263939)		<1	7.25	<5	<20	165	<5	0.3	10.0	<0.2	12.5	77.0	0.019	0.6	430
E6563406 (9263940)		<1	4.86	602	111	177	<5	8.1	4.30	<0.2	76.7	1050	0.006	2.8	3030
E6563407 (9263941)		<1	7.64	<5	<20	235	<5	0.3	7.24	<0.2	22.8	69.9	0.029	2.9	256
E6563408 (9263942)		<1	8.30	<5	20	211	<5	0.2	9.03	<0.2	10.8	55.8	0.024	0.4	114
E6563409 (9263943)		<1	7.29	<5	23	173	<5	0.3	8.45	<0.2	11.2	87.0	0.022	1.0	585
E6563410 (9263944)		<1	4.50	<5	22	46.2	<5	0.8	8.14	<0.2	13.9	244	0.018	0.6	859
E6563411 (9263945)		<1	7.39	<5	<20	141	<5	0.5	5.90	<0.2	16.1	96.4	0.022	1.0	509
E6563412 (9263946)		<1	0.08	<5	<20	14.4	<5	<0.1	33.8	<0.2	0.9	1.3	<0.005	<0.1	7
E6563413 (9263947)		<1	9.31	<5	20	273	<5	0.3	7.21	<0.2	12.3	51.0	0.027	1.4	93
E6563414 (9263948)		<1	8.25	<5	<20	150	<5	0.2	7.53	<0.2	9.9	37.6	0.023	0.3	175
E6563415 (9263949)		<1	8.13	<5	<20	210	<5	0.5	8.41	<0.2	11.0	68.1	0.025	0.7	181
E6563416 (9263950)		<1	8.80	<5	<20	330	<5	0.3	7.33	<0.2	10.1	41.7	0.024	0.5	78
E6563417 (9263951)		<1	8.81	<5	<20	381	<5	0.3	7.80	<0.2	10.7	50.8	0.027	1.7	142
E6563418 (9263952)		<1	8.78	<5	<20	384	<5	0.3	7.98	<0.2	10.9	49.3	0.028	1.7	138
E6563419 (9263953)		<1	8.20	<5	<20	285	<5	0.3	6.09	<0.2	19.4	52.7	0.021	0.8	248
E6563420 (9263954)		<1	8.54	<5	<20	387	<5	0.3	7.60	<0.2	30.1	47.3	0.028	1.1	198
E6563421 (9263955)		<1	8.70	<5	<20	377	<5	0.2	6.84	<0.2	35.8	36.3	0.019	0.6	59
E6563422 (9263956)		<1	9.00	<5	<20	339	<5	0.3	5.88	<0.2	14.5	38.3	0.023	0.9	73
E6563423 (9263957)		<1	7.80	<5	<20	85.7	<5	0.2	5.14	<0.2	62.5	35.8	0.013	0.2	153
E6563424 (9263958)		<1	8.01	<5	<20	295	<5	0.2	5.73	<0.2	59.4	37.9	0.015	0.4	128
E6563425 (9263959)		<1	7.81	<5	<20	467	<5	0.2	5.28	<0.2	76.2	30.3	0.013	0.4	109
E6563426 (9263960)		<1	4.53	582	102	167	<5	8.2	4.00	<0.2	74.1	1060	0.006	2.8	2990
E6563427 (9263961)		<1	8.54	<5	23	409	<5	0.3	7.63	<0.2	13.0	55.6	0.026	1.4	365
E6563428 (9263962)		<1	8.23	<5	39	270	<5	0.4	8.45	<0.2	11.4	61.9	0.023	0.8	414
E6563429 (9263963)		<1	8.94	<5	22	333	<5	0.4	6.96	<0.2	10.1	54.4	0.025	3.0	384

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6563430 (9263964)		<1	8.66	<5	<20	245	<5	0.3	7.78	<0.2	10.7	58.9	0.024	0.5	269
E6563431 (9263965)		<1	8.75	<5	<20	193	<5	0.1	7.89	<0.2	11.2	63.1	0.027	1.5	190
E6563432 (9263966)		<1	0.08	<5	<20	13.0	<5	<0.1	34.0	<0.2	1.0	1.1	<0.005	<0.1	6
E6563433 (9263967)		<1	8.36	<5	24	170	<5	0.2	9.00	<0.2	10.2	56.2	0.026	1.0	268
E6563434 (9263968)		<1	8.67	<5	22	236	<5	0.2	8.35	<0.2	10.6	51.3	0.026	0.7	112
E6563435 (9263969)		<1	8.59	<5	23	206	<5	0.3	8.34	<0.2	10.8	57.4	0.027	0.8	116
E6563436 (9263970)		<1	8.98	<5	21	248	<5	0.2	7.30	<0.2	10.8	52.7	0.024	0.6	137

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6563334 (9263868)		3.60	2.18	0.78	6.99	15.5	3.10	1	2	0.70	<0.2	1.04	4.3	16	0.31
E6563335 (9263869)		3.73	2.42	0.85	8.35	15.2	3.04	2	2	0.74	<0.2	1.16	3.9	12	0.35
E6563336 (9263870)		3.79	2.52	0.72	7.49	17.3	3.12	2	2	0.78	<0.2	1.59	4.3	16	0.36
E6563337 (9263871)		3.06	1.89	0.73	7.03	15.4	2.72	2	2	0.61	<0.2	1.02	3.4	15	0.29
E6563338 (9263872)		3.38	2.15	0.81	7.07	16.5	2.99	2	2	0.68	<0.2	0.99	3.8	16	0.32
E6563339 (9263873)		3.95	2.56	0.84	7.83	16.1	3.44	2	2	0.78	<0.2	0.93	4.2	12	0.37
E6563340 (9263874)		3.00	1.94	0.67	8.80	13.0	2.68	2	2	0.61	<0.2	0.84	5.7	36	0.28
E6563341 (9263875)		1.74	1.01	0.52	9.86	10.9	2.08	1	2	0.32	<0.2	0.57	9.1	53	0.14
E6563342 (9263876)		3.82	2.55	0.94	9.92	15.7	3.30	2	2	0.77	<0.2	0.87	5.2	20	0.39
E6563343 (9263877)		3.54	2.27	0.84	6.74	17.3	3.00	2	2	0.71	<0.2	1.06	4.4	16	0.31
E6563344 (9263878)		3.72	2.37	0.95	7.22	17.5	3.07	2	2	0.74	<0.2	0.77	4.0	16	0.34
E6563345 (9263879)		3.20	1.99	0.76	7.98	14.7	2.75	2	2	0.65	<0.2	0.75	3.8	13	0.31
E6563346 (9263880)		2.92	1.81	0.92	3.20	10.7	3.96	2	4	0.56	0.2	3.12	35.7	<10	0.25
E6563347 (9263881)		4.10	2.67	0.90	6.70	18.8	3.47	2	2	0.81	<0.2	0.71	4.6	18	0.37
E6563348 (9263882)		3.49	2.27	0.79	7.41	15.3	3.14	1	2	0.71	<0.2	1.08	3.9	11	0.32
E6563349 (9263883)		3.59	2.29	0.72	6.93	15.3	3.12	1	2	0.71	<0.2	0.48	3.8	14	0.33
E6563350 (9263884)		3.75	2.38	0.78	6.25	15.7	3.07	1	2	0.72	<0.2	0.64	3.5	13	0.32
E6563351 (9263885)		3.67	2.34	0.78	6.52	17.5	3.18	1	2	0.72	<0.2	0.70	4.1	22	0.31
E6563352 (9263886)		0.19	0.16	<0.05	0.11	0.24	0.23	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6563353 (9263887)		3.58	2.28	0.66	6.36	17.7	3.04	1	2	0.69	<0.2	0.64	4.1	27	0.30
E6563354 (9263888)		3.79	2.37	0.86	7.20	16.2	3.15	2	2	0.78	<0.2	0.82	3.9	13	0.34
E6563355 (9263889)		3.75	2.41	0.87	7.99	16.8	3.39	2	2	0.76	<0.2	1.02	4.3	15	0.35
E6563356 (9263890)		3.63	2.28	0.71	8.01	16.1	3.08	1	2	0.71	<0.2	1.04	3.6	18	0.33
E6563357 (9263891)		3.67	2.38	0.89	7.44	16.6	3.27	2	2	0.73	<0.2	0.88	5.1	22	0.34
E6563358 (9263892)		3.70	2.38	0.90	7.41	16.9	3.24	2	2	0.72	<0.2	0.86	5.3	23	0.33
E6563359 (9263893)		3.62	2.28	0.95	7.93	15.9	3.49	1	2	0.70	<0.2	0.70	8.3	15	0.31
E6563360 (9263894)		3.07	1.92	0.89	9.03	13.4	2.88	1	1	0.59	<0.2	0.68	6.3	<10	0.26
E6563361 (9263895)		3.88	2.44	0.76	7.87	17.4	3.33	1	2	0.78	<0.2	0.81	4.2	16	0.34
E6563362 (9263896)		3.39	2.12	0.81	6.93	17.2	2.91	1	2	0.67	<0.2	0.69	3.8	13	0.29
E6563363 (9263897)		3.26	2.03	0.75	7.30	18.0	2.90	1	2	0.62	<0.2	0.65	4.1	20	0.27
E6563364 (9263898)		3.17	1.92	0.89	7.29	16.1	2.78	1	2	0.60	<0.2	0.81	4.1	22	0.26
E6563365 (9263899)		3.73	2.26	1.03	7.54	18.1	3.67	2	2	0.73	<0.2	0.76	9.8	17	0.30

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6563366 (9263900)	2.95	1.82	0.93	3.42	11.0	3.89	2	4	0.55	0.2	3.32	34.0	<10	0.26
E6563367 (9263901)	4.45	2.05	2.06	5.99	17.8	7.52	1	4	0.72	<0.2	0.50	43.5	13	0.27
E6563368 (9263902)	4.50	2.19	1.99	6.37	16.9	7.28	1	4	0.77	<0.2	0.53	37.5	<10	0.27
E6563369 (9263903)	4.26	2.50	1.26	7.83	17.7	4.59	2	2	0.80	<0.2	0.82	15.9	10	0.35
E6563370 (9263904)	3.89	2.54	0.98	7.51	17.3	3.36	2	2	0.75	<0.2	1.29	4.9	15	0.34
E6563371 (9263905)	3.59	2.23	0.75	7.84	14.9	3.09	2	2	0.72	<0.2	1.03	3.9	19	0.33
E6563372 (9263906)	0.23	0.13	<0.05	0.10	0.20	0.25	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6563373 (9263907)	3.30	2.16	0.78	7.47	15.6	3.11	2	2	0.68	<0.2	0.89	4.4	12	0.31
E6563374 (9263908)	3.76	2.45	0.96	7.31	17.4	3.33	2	2	0.76	<0.2	0.90	4.4	11	0.36
E6563375 (9263909)	3.67	2.41	0.83	7.96	15.7	3.10	2	2	0.75	<0.2	0.75	4.0	<10	0.34
E6563376 (9263910)	3.51	2.28	0.90	7.40	16.7	3.10	2	2	0.73	<0.2	0.70	3.9	<10	0.32
E6563377 (9263911)	3.70	2.31	0.83	7.06	16.7	3.17	2	2	0.72	<0.2	0.71	4.0	<10	0.32
E6563378 (9263912)	3.88	2.49	0.89	7.04	17.6	3.22	2	2	0.77	<0.2	0.66	4.1	<10	0.33
E6563379 (9263913)	3.50	2.18	0.79	6.28	17.3	2.93	1	2	0.69	<0.2	0.87	3.2	20	0.31
E6563380 (9263914)	3.56	2.30	0.85	7.75	16.6	2.92	2	2	0.70	<0.2	0.82	3.8	20	0.31
E6563381 (9263915)	3.64	2.30	0.93	7.26	15.7	3.22	2	2	0.74	<0.2	0.84	4.8	15	0.33
E6563382 (9263916)	3.84	2.36	0.95	7.38	17.3	3.36	2	2	0.78	<0.2	0.69	4.7	12	0.35
E6563383 (9263917)	4.01	2.61	0.93	8.36	17.2	3.41	2	2	0.84	<0.2	0.46	4.4	<10	0.37
E6563384 (9263918)	3.69	2.38	0.82	7.09	15.9	3.38	2	2	0.74	<0.2	0.69	4.2	13	0.33
E6563385 (9263919)	3.53	2.21	0.88	6.04	16.3	3.01	1	2	0.70	<0.2	0.58	4.0	<10	0.30
E6563386 (9263920)	3.12	1.81	0.92	3.14	11.3	3.96	2	4	0.59	0.2	3.23	36.5	<10	0.27
E6563387 (9263921)	3.72	2.29	0.96	7.33	16.9	3.09	2	2	0.71	<0.2	0.62	4.5	<10	0.31
E6563388 (9263922)	3.81	2.42	0.94	6.37	17.4	3.31	2	2	0.75	<0.2	0.59	4.4	<10	0.34
E6563389 (9263923)	3.53	2.22	0.87	6.39	17.1	3.09	1	2	0.69	<0.2	0.48	3.9	<10	0.29
E6563390 (9263924)	3.89	2.45	0.97	6.13	18.4	3.44	2	2	0.76	<0.2	0.50	4.4	<10	0.33
E6563391 (9263925)	3.59	2.25	0.86	7.20	17.2	3.02	1	2	0.71	<0.2	0.63	3.6	14	0.31
E6563392 (9263926)	0.19	0.15	<0.05	0.10	0.23	0.22	<1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6563393 (9263927)	3.66	2.26	0.86	8.30	16.5	3.04	2	2	0.70	<0.2	0.59	3.8	10	0.32
E6563394 (9263928)	3.38	2.24	0.77	12.2	15.3	2.81	1	2	0.70	<0.2	0.65	3.7	17	0.34
E6563395 (9263929)	3.71	2.49	0.90	8.64	17.1	3.17	2	2	0.75	<0.2	0.81	4.1	10	0.35
E6563396 (9263930)	3.43	2.34	0.81	8.35	16.1	3.02	2	2	0.73	<0.2	0.68	4.1	<10	0.32
E6563397 (9263931)	3.69	2.42	0.93	7.40	18.0	3.31	2	2	0.74	<0.2	0.60	4.7	<10	0.34

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6563398 (9263932)		3.59	2.35	0.86	7.24	17.2	3.18	2	2	0.73	<0.2	0.61	4.5	<10	0.33
E6563399 (9263933)		3.74	2.46	0.94	7.41	17.8	3.23	2	2	0.76	<0.2	0.58	4.3	<10	0.34
E6563400 (9263934)		3.55	2.40	0.89	9.10	16.3	3.08	2	2	0.73	<0.2	0.62	4.1	11	0.35
E6563401 (9263935)		3.86	2.54	0.86	8.11	17.2	3.33	2	2	0.77	<0.2	0.68	4.5	<10	0.35
E6563402 (9263936)		3.32	2.21	0.58	9.66	16.5	2.86	2	2	0.67	<0.2	0.66	3.8	14	0.32
E6563403 (9263937)		3.77	2.61	0.79	8.96	16.9	3.28	2	2	0.75	<0.2	0.82	4.0	11	0.36
E6563404 (9263938)		3.64	2.38	0.83	9.64	16.1	3.07	2	2	0.75	<0.2	0.43	4.0	<10	0.35
E6563405 (9263939)		4.09	2.65	0.94	12.0	15.1	3.50	2	1	0.80	<0.2	0.43	5.1	<10	0.41
E6563406 (9263940)		3.20	1.90	0.93	3.26	12.0	4.01	2	4	0.60	0.2	3.24	37.9	<10	0.27
E6563407 (9263941)		3.77	2.19	1.13	9.29	16.6	4.03	2	2	0.69	<0.2	0.83	9.2	24	0.30
E6563408 (9263942)		3.78	2.47	0.80	8.84	18.0	3.14	2	2	0.77	<0.2	0.62	4.1	<10	0.34
E6563409 (9263943)		3.85	2.44	0.89	11.0	14.5	3.23	2	1	0.80	<0.2	0.54	4.6	<10	0.34
E6563410 (9263944)		4.75	2.71	1.35	17.7	10.4	4.15	2	<1	0.90	<0.2	0.19	5.8	<10	0.32
E6563411 (9263945)		3.81	2.34	0.97	9.62	17.4	3.76	2	2	0.76	<0.2	0.46	7.1	12	0.32
E6563412 (9263946)		0.19	0.13	0.06	0.13	0.26	0.23	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6563413 (9263947)		3.97	2.54	0.82	7.97	18.6	3.36	2	2	0.77	<0.2	0.88	5.2	20	0.36
E6563414 (9263948)		3.48	2.06	0.82	7.61	16.0	2.99	2	2	0.69	<0.2	0.45	3.9	<10	0.29
E6563415 (9263949)		3.72	2.54	0.80	10.6	16.8	3.06	2	2	0.76	<0.2	0.67	4.4	12	0.36
E6563416 (9263950)		3.58	2.36	0.76	7.65	16.6	2.99	2	2	0.70	<0.2	0.92	4.0	12	0.33
E6563417 (9263951)		3.79	2.52	0.76	7.85	18.3	3.14	2	2	0.76	<0.2	1.07	4.3	18	0.35
E6563418 (9263952)		3.72	2.49	0.80	7.83	18.4	3.13	2	2	0.75	<0.2	1.06	4.4	18	0.35
E6563419 (9263953)		3.36	2.10	0.89	8.48	15.9	3.34	2	2	0.67	<0.2	0.81	8.2	17	0.31
E6563420 (9263954)		4.07	2.41	1.13	7.60	18.0	4.35	2	2	0.77	<0.2	0.91	13.2	15	0.34
E6563421 (9263955)		3.89	2.18	1.32	7.50	16.9	4.83	1	3	0.69	<0.2	0.67	15.4	11	0.28
E6563422 (9263956)		3.61	2.23	0.86	7.69	17.6	3.19	2	2	0.71	<0.2	0.87	6.4	15	0.30
E6563423 (9263957)		4.46	2.20	2.01	7.27	16.1	6.48	1	4	0.76	<0.2	0.24	27.3	<10	0.30
E6563424 (9263958)		4.53	2.39	1.84	7.30	17.7	6.56	2	4	0.80	<0.2	0.47	26.0	16	0.31
E6563425 (9263959)		4.76	2.26	2.17	6.36	18.4	7.59	2	4	0.80	<0.2	0.43	33.0	11	0.27
E6563426 (9263960)		3.07	1.88	0.96	3.04	12.3	4.04	2	4	0.60	0.2	3.06	36.7	<10	0.27
E6563427 (9263961)		3.71	2.45	0.88	8.44	17.3	3.30	2	2	0.76	<0.2	0.97	5.6	16	0.34
E6563428 (9263962)		3.81	2.44	0.85	10.9	18.0	3.14	2	2	0.78	<0.2	0.70	4.8	11	0.36
E6563429 (9263963)		3.77	2.52	0.83	9.96	17.2	3.24	2	2	0.78	<0.2	1.13	4.1	24	0.37

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6563430 (9263964)		3.67	2.36	0.84	8.71	17.9	3.09	2	2	0.74	<0.2	0.68	4.3	<10	0.33
E6563431 (9263965)		3.80	2.48	0.83	8.76	18.2	3.12	2	2	0.75	<0.2	0.62	4.6	12	0.35
E6563432 (9263966)		0.22	0.16	<0.05	0.12	0.21	0.25	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6563433 (9263967)		3.66	2.31	0.81	9.75	18.1	3.04	2	2	0.73	<0.2	0.60	4.0	11	0.36
E6563434 (9263968)		3.71	2.43	0.85	8.89	18.1	3.10	2	2	0.76	<0.2	0.81	4.3	13	0.35
E6563435 (9263969)		3.86	2.46	0.92	9.57	18.0	3.18	2	2	0.77	<0.2	0.80	4.1	12	0.36
E6563436 (9263970)		3.66	2.35	0.87	7.55	18.5	3.15	2	2	0.75	<0.2	0.87	4.2	<10	0.34

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6563334 (9263868)	2.51	1870	3	2	7.9	87	0.05	7	1.66	49.4	0.10	0.4	48	23.3
E6563335 (9263869)	2.83	2140	3	2	7.5	85	0.04	15	1.52	43.0	0.18	0.6	45	22.5
E6563336 (9263870)	2.56	1960	2	3	7.9	80	0.04	10	1.61	62.0	0.15	0.5	47	22.4
E6563337 (9263871)	1.87	1870	5	2	6.8	83	0.04	13	1.33	42.1	0.36	0.7	44	24.0
E6563338 (9263872)	1.85	1880	6	3	7.5	85	0.04	14	1.50	46.9	0.37	0.8	45	24.1
E6563339 (9263873)	2.25	1940	5	2	8.4	90	0.04	8	1.65	42.1	0.27	0.6	46	22.7
E6563340 (9263874)	5.08	1480	3	2	8.2	256	0.07	117	1.73	33.0	0.83	0.4	36	22.0
E6563341 (9263875)	9.75	1670	<2	2	11.3	624	0.17	146	2.65	15.1	0.12	0.4	20	20.0
E6563342 (9263876)	3.31	2160	3	2	8.9	144	0.05	15	1.82	44.2	0.57	0.6	43	21.0
E6563343 (9263877)	1.95	1580	3	3	8.3	58	0.05	10	1.64	53.9	0.20	0.6	45	23.1
E6563344 (9263878)	2.42	1640	3	3	8.0	59	0.04	6	1.60	45.5	0.26	0.4	48	22.3
E6563345 (9263879)	2.76	1870	3	2	7.0	87	0.04	16	1.44	28.7	0.45	0.5	44	22.3
E6563346 (9263880)	2.53	443	11	9	30.6	175	0.08	15	8.26	112	1.56	1.6	6	25.7
E6563347 (9263881)	2.14	1720	3	3	8.6	59	0.05	9	1.77	35.2	0.21	0.3	43	23.2
E6563348 (9263882)	2.33	1750	3	3	7.6	74	0.04	9	1.56	40.4	0.16	0.3	44	23.8
E6563349 (9263883)	2.53	1530	2	3	7.5	59	0.05	40	1.50	20.1	0.29	0.3	42	23.3
E6563350 (9263884)	2.18	1520	2	3	7.6	58	0.05	14	1.46	31.7	0.37	0.7	42	22.1
E6563351 (9263885)	2.19	1820	2	3	8.0	56	0.05	8	1.57	33.1	0.08	0.3	47	24.6
E6563352 (9263886)	2.77	75	<2	<1	0.9	<5	0.01	<5	0.20	0.4	<0.01	0.1	<5	4.57
E6563353 (9263887)	2.33	1600	2	3	8.0	60	0.05	77	1.64	31.6	0.21	0.3	46	24.8
E6563354 (9263888)	2.69	1950	3	2	7.8	72	0.04	34	1.55	36.1	<0.01	0.3	50	23.6
E6563355 (9263889)	2.75	2070	<2	2	8.3	73	0.05	30	1.68	50.3	0.34	0.4	47	24.4
E6563356 (9263890)	3.22	2090	3	2	7.2	102	0.04	8	1.45	50.0	0.25	0.3	47	23.8
E6563357 (9263891)	2.92	2020	3	2	8.5	93	0.04	5	1.75	39.3	0.04	0.5	47	23.8
E6563358 (9263892)	3.01	2060	2	2	8.7	91	0.04	5	1.77	40.4	0.04	0.5	49	23.5
E6563359 (9263893)	2.35	1670	<2	3	11.7	75	0.06	33	2.68	25.5	0.61	0.6	45	25.4
E6563360 (9263894)	2.38	2200	2	2	9.7	107	0.04	34	2.10	18.1	1.80	1.3	37	25.1
E6563361 (9263895)	2.51	1700	<2	3	8.5	65	0.04	11	1.68	33.9	0.61	0.4	50	23.9
E6563362 (9263896)	2.21	1520	2	3	7.8	45	0.04	11	1.57	34.0	0.58	0.2	45	24.8
E6563363 (9263897)	2.76	1640	<2	3	7.4	54	0.05	27	1.54	33.7	1.03	0.3	44	24.0
E6563364 (9263898)	2.96	1720	<2	3	7.5	51	0.05	23	1.52	39.8	0.49	0.2	42	24.5
E6563365 (9263899)	2.63	1710	2	4	13.5	48	0.07	15	3.05	35.6	0.85	0.2	43	23.8

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6563366 (9263900)	2.74	465	11	9	29.6	168	0.08	12	8.09	116	1.64	1.7	7	27.6
E6563367 (9263901)	2.55	1340	<2	7	46.1	40	0.29	178	11.4	18.1	1.05	0.1	17	27.6
E6563368 (9263902)	2.53	1400	2	6	41.6	37	0.29	31	10.2	18.4	1.22	0.1	20	27.2
E6563369 (9263903)	2.45	1770	4	3	19.3	56	0.11	10	4.35	33.0	1.06	0.5	39	23.8
E6563370 (9263904)	2.68	1720	7	2	8.6	60	0.05	7	1.79	57.0	0.25	0.4	47	23.4
E6563371 (9263905)	3.17	1950	2	2	7.6	86	0.04	24	1.50	44.3	0.64	0.4	45	23.5
E6563372 (9263906)	2.12	53	<2	<1	0.9	<5	<0.01	<5	0.20	0.4	<0.01	<0.1	<5	3.72
E6563373 (9263907)	2.85	1940	4	2	7.8	55	0.04	46	1.61	33.3	0.34	0.2	48	22.9
E6563374 (9263908)	2.64	1830	3	3	8.3	59	0.04	13	1.67	37.1	0.43	0.2	46	21.7
E6563375 (9263909)	2.89	1920	10	2	7.7	76	0.04	34	1.54	34.2	0.88	0.2	47	23.1
E6563376 (9263910)	2.73	1970	4	2	7.8	58	0.04	12	1.54	30.3	0.29	0.3	43	23.7
E6563377 (9263911)	2.73	1840	3	2	7.9	65	0.05	10	1.55	29.9	0.12	0.2	49	24.6
E6563378 (9263912)	2.74	1860	3	3	8.2	61	0.04	10	1.67	31.7	0.16	0.2	47	23.8
E6563379 (9263913)	2.91	1780	<2	2	7.0	69	0.04	7	1.40	38.5	0.11	0.1	46	24.7
E6563380 (9263914)	2.85	1860	2	2	7.8	63	0.04	43	1.57	30.7	0.80	0.1	44	24.2
E6563381 (9263915)	2.78	1650	2	2	8.3	66	0.04	57	1.77	33.6	0.05	0.2	47	24.2
E6563382 (9263916)	2.77	1930	3	3	8.5	71	0.05	13	1.74	32.0	0.22	0.2	48	24.3
E6563383 (9263917)	2.46	1990	5	3	8.5	66	0.05	16	1.68	16.1	0.55	0.4	45	24.3
E6563384 (9263918)	2.82	1810	4	3	7.9	73	0.05	9	1.61	32.8	0.30	0.2	51	23.8
E6563385 (9263919)	2.54	1620	3	2	7.6	65	0.04	6	1.54	25.3	0.03	0.2	46	24.1
E6563386 (9263920)	2.66	456	11	8	31.0	165	0.08	15	8.51	102	1.63	1.7	7	26.8
E6563387 (9263921)	2.46	1640	2	2	8.1	58	0.04	9	1.67	27.5	0.69	0.4	43	23.2
E6563388 (9263922)	2.51	1610	3	3	8.2	67	0.05	<5	1.66	28.7	0.32	0.2	44	22.4
E6563389 (9263923)	2.49	1820	3	3	7.9	52	0.04	<5	1.59	21.1	0.25	0.2	44	23.4
E6563390 (9263924)	2.48	1760	3	3	8.8	59	0.05	<5	1.78	25.5	0.21	0.1	48	25.7
E6563391 (9263925)	2.87	1890	2	3	7.4	78	0.05	15	1.49	32.2	0.56	0.1	46	25.0
E6563392 (9263926)	2.29	52	<2	<1	0.9	<5	0.01	7	0.22	0.5	<0.01	0.1	<5	3.65
E6563393 (9263927)	2.56	1760	2	3	7.5	88	0.04	12	1.55	27.2	1.98	0.2	45	23.7
E6563394 (9263928)	3.22	2770	3	2	7.1	106	0.04	8	1.42	30.6	2.50	0.2	43	21.5
E6563395 (9263929)	2.67	2180	3	2	8.1	78	0.04	7	1.58	40.7	0.55	0.2	47	22.8
E6563396 (9263930)	2.56	1950	3	2	7.7	75	0.05	7	1.52	28.6	0.77	0.3	46	24.0
E6563397 (9263931)	2.42	1870	4	3	8.5	70	0.05	7	1.70	26.8	0.38	0.3	46	23.8

Certified By:



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AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018	DATE RECEIVED: May 23, 2018					DATE REPORTED: Jul 09, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %	
Sample ID (AGAT ID)	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563398 (9263932)	2.42	1860	4	3	8.1	74	0.05	6	1.65	26.4	0.42	0.3	47	23.4	
E6563399 (9263933)	2.72	2220	3	3	8.3	79	0.04	<5	1.69	23.9	0.32	0.1	49	23.4	
E6563400 (9263934)	3.15	2440	2	2	7.9	80	0.05	<5	1.55	26.4	0.54	0.1	48	23.9	
E6563401 (9263935)	2.62	2280	4	3	8.6	78	0.04	5	1.74	31.6	0.71	0.4	47	23.4	
E6563402 (9263936)	2.92	2320	24	2	7.3	97	0.04	9	1.52	29.7	1.27	0.3	47	23.2	
E6563403 (9263937)	2.59	2290	4	2	8.2	87	0.05	9	1.62	38.7	0.99	0.2	48	23.9	
E6563404 (9263938)	2.95	2440	6	2	7.9	99	0.04	8	1.54	15.7	1.03	0.2	46	23.4	
E6563405 (9263939)	3.12	2800	11	2	9.0	117	0.04	8	1.83	18.4	1.94	0.2	43	22.2	
E6563406 (9263940)	2.77	456	12	8	32.4	168	0.07	14	8.78	114	1.66	1.6	7	27.5	
E6563407 (9263941)	3.43	1980	3	3	14.9	162	0.09	6	3.22	48.5	1.26	0.2	38	23.2	
E6563408 (9263942)	2.50	2210	5	2	8.1	100	0.04	6	1.62	28.8	0.94	0.3	44	23.4	
E6563409 (9263943)	2.63	2530	5	2	7.8	138	0.04	5	1.68	28.4	2.24	0.3	40	22.4	
E6563410 (9263944)	2.24	2340	8	1	10.3	264	0.03	13	2.11	10.1	7.04	0.2	30	22.8	
E6563411 (9263945)	2.36	2180	5	2	10.5	129	0.04	15	2.27	21.9	2.34	0.6	42	22.8	
E6563412 (9263946)	3.34	66	<2	<1	0.8	<5	0.01	8	0.20	0.3	<0.01	<0.1	<5	4.80	
E6563413 (9263947)	2.60	2070	6	3	9.3	111	0.05	10	1.82	49.1	0.66	0.4	48	24.0	
E6563414 (9263948)	2.42	1920	5	2	7.5	61	0.05	11	1.53	15.7	0.73	0.5	41	23.7	
E6563415 (9263949)	3.16	2650	5	2	8.0	123	0.04	8	1.67	27.5	1.37	0.3	44	21.8	
E6563416 (9263950)	2.45	1870	5	2	7.7	85	0.04	6	1.52	35.9	0.60	0.3	46	23.6	
E6563417 (9263951)	2.45	1990	6	2	8.0	97	0.04	8	1.62	59.9	0.79	0.3	47	23.5	
E6563418 (9263952)	2.48	2070	6	3	8.4	98	0.05	7	1.64	60.0	0.75	0.3	48	23.7	
E6563419 (9263953)	2.82	1920	11	3	11.9	82	0.07	10	2.66	36.3	1.29	0.4	40	25.2	
E6563420 (9263954)	2.46	1960	6	4	17.6	84	0.11	10	3.97	48.8	0.78	0.2	41	25.1	
E6563421 (9263955)	2.76	2120	3	4	20.5	74	0.16	10	4.77	26.5	0.38	0.1	36	26.7	
E6563422 (9263956)	2.84	2270	2	3	9.5	76	0.05	13	2.03	41.9	0.37	0.2	46	25.4	
E6563423 (9263957)	2.82	1900	2	6	33.6	60	0.27	8	8.09	5.8	0.77	0.1	26	27.0	
E6563424 (9263958)	2.88	1790	3	6	32.1	57	0.23	11	7.68	16.1	0.62	0.1	27	27.1	
E6563425 (9263959)	2.78	1700	3	7	40.9	44	0.32	11	9.92	14.7	0.60	<0.1	22	27.4	
E6563426 (9263960)	2.59	469	12	9	31.1	176	0.07	14	8.60	122	1.56	1.7	6	25.7	
E6563427 (9263961)	2.62	2130	8	3	9.1	93	0.04	8	1.95	51.0	1.33	0.2	46	23.0	
E6563428 (9263962)	2.64	2650	6	3	8.5	107	0.04	7	1.71	32.9	1.98	0.3	44	21.4	
E6563429 (9263963)	2.35	2480	5	3	7.4	108	0.04	<5	1.52	63.6	1.48	0.2	48	22.5	

Certified By:



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AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6563430 (9263964)		2.44	2270	5	3	8.2	92	0.04	<5	1.71	29.9	1.02	0.2	46	23.0
E6563431 (9263965)		2.50	2440	4	3	8.4	105	0.04	5	1.75	35.3	0.74	0.1	45	22.8
E6563432 (9263966)		3.21	71	<2	<1	0.9	<5	0.02	<5	0.23	0.4	<0.01	<0.1	<5	5.01
E6563433 (9263967)		2.66	3030	7	3	8.0	104	0.04	<5	1.56	33.0	0.74	0.1	46	22.5
E6563434 (9263968)		2.54	2580	7	3	8.3	93	0.05	<5	1.64	39.0	0.43	0.2	46	24.0
E6563435 (9263969)		2.45	2650	8	3	8.1	103	0.04	<5	1.69	39.8	0.62	0.3	46	24.1
E6563436 (9263970)		2.43	2250	5	3	8.3	88	0.05	<5	1.65	40.3	0.55	0.2	45	24.3

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MISSISSAUGA, ONTARIO
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TEL (905)501-9998
FAX (905)501-0589
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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563334 (9263868)	2.4	<1	140	<0.5	0.49	0.5	0.65	<0.5	0.31	0.12	328	2	18.1	2.2
E6563335 (9263869)	2.4	<1	124	<0.5	0.52	0.4	0.66	<0.5	0.33	0.13	311	2	19.4	2.5
E6563336 (9263870)	2.3	1	156	<0.5	0.50	0.4	0.68	<0.5	0.36	0.11	319	3	20.1	2.4
E6563337 (9263871)	2.1	<1	166	<0.5	0.42	0.4	0.64	<0.5	0.29	0.10	307	2	16.0	2.0
E6563338 (9263872)	2.2	<1	167	<0.5	0.48	0.4	0.63	<0.5	0.31	0.11	312	3	17.6	2.2
E6563339 (9263873)	2.7	<1	156	<0.5	0.56	0.4	0.61	<0.5	0.34	0.10	315	3	20.7	2.5
E6563340 (9263874)	2.2	<1	90.9	<0.5	0.41	0.8	0.50	<0.5	0.29	0.25	251	2	16.0	2.0
E6563341 (9263875)	2.6	<1	44.7	<0.5	0.28	1.8	0.27	<0.5	0.13	0.55	130	<1	8.7	1.0
E6563342 (9263876)	2.5	<1	140	<0.5	0.54	0.5	0.58	<0.5	0.36	0.16	295	2	21.2	2.6
E6563343 (9263877)	2.3	<1	163	<0.5	0.49	0.4	0.67	<0.5	0.32	0.11	322	2	18.9	2.2
E6563344 (9263878)	2.3	<1	119	<0.5	0.50	0.4	0.65	<0.5	0.34	0.10	329	2	21.8	2.3
E6563345 (9263879)	2.2	<1	130	<0.5	0.44	0.4	0.65	<0.5	0.31	0.10	308	3	17.7	2.2
E6563346 (9263880)	5.3	2	29.8	0.6	0.51	11.3	0.23	0.7	0.26	6.01	54	4	18.8	1.9
E6563347 (9263881)	2.6	<1	135	<0.5	0.56	0.5	0.67	<0.5	0.38	0.13	309	2	22.9	2.6
E6563348 (9263882)	2.4	<1	180	<0.5	0.48	0.4	0.67	<0.5	0.32	0.11	307	2	22.2	2.2
E6563349 (9263883)	2.3	<1	134	<0.5	0.49	0.4	0.64	<0.5	0.32	0.13	285	3	22.4	2.2
E6563350 (9263884)	2.4	<1	126	<0.5	0.51	0.4	0.63	<0.5	0.32	0.11	297	2	21.8	2.3
E6563351 (9263885)	2.4	<1	153	<0.5	0.51	0.4	0.71	<0.5	0.33	0.11	323	3	20.4	2.2
E6563352 (9263886)	0.2	<1	53.9	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.0	0.1
E6563353 (9263887)	2.4	<1	129	<0.5	0.50	0.5	0.72	<0.5	0.32	0.10	327	3	19.3	2.2
E6563354 (9263888)	2.4	<1	163	<0.5	0.53	0.4	0.70	<0.5	0.35	0.10	337	2	20.8	2.4
E6563355 (9263889)	2.6	<1	138	<0.5	0.51	0.4	0.66	<0.5	0.36	0.10	327	9	20.8	2.4
E6563356 (9263890)	2.3	<1	139	<0.5	0.47	0.4	0.65	<0.5	0.32	0.09	323	4	19.9	2.3
E6563357 (9263891)	2.5	<1	154	<0.5	0.50	0.4	0.67	<0.5	0.33	0.09	320	3	20.3	2.4
E6563358 (9263892)	2.6	<1	153	<0.5	0.52	0.4	0.67	<0.5	0.33	0.10	325	3	20.3	2.3
E6563359 (9263893)	3.1	<1	131	<0.5	0.53	1.0	0.66	<0.5	0.31	0.17	313	4	19.5	2.2
E6563360 (9263894)	2.5	<1	96.3	<0.5	0.43	0.6	0.53	<0.5	0.26	0.14	271	4	17.4	1.8
E6563361 (9263895)	2.6	<1	137	<0.5	0.52	0.4	0.68	<0.5	0.35	0.10	330	4	22.7	2.5
E6563362 (9263896)	2.4	<1	150	<0.5	0.46	0.4	0.70	<0.5	0.31	0.10	321	43	19.5	2.1
E6563363 (9263897)	2.3	<1	137	<0.5	0.44	0.5	0.69	<0.5	0.28	0.11	312	45	19.1	1.9
E6563364 (9263898)	2.4	<1	162	<0.5	0.43	0.4	0.67	<0.5	0.27	0.11	302	3	18.4	1.9
E6563365 (9263899)	3.5	1	259	<0.5	0.55	1.4	0.65	<0.5	0.30	0.44	302	3	22.0	2.2

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563366 (9263900)	5.2	2	29.4	0.6	0.51	11.4	0.24	0.7	0.26	6.08	58	4	18.8	1.8
E6563367 (9263901)	9.0	2	422	0.5	0.85	8.2	0.41	<0.5	0.27	2.44	141	3	23.4	1.9
E6563368 (9263902)	8.6	1	505	<0.5	0.86	7.4	0.48	<0.5	0.30	2.19	157	5	25.4	2.0
E6563369 (9263903)	4.5	<1	299	<0.5	0.67	2.7	0.58	<0.5	0.35	0.77	269	3	20.5	2.5
E6563370 (9263904)	2.7	<1	196	<0.5	0.54	0.5	0.66	<0.5	0.35	0.12	323	2	19.7	2.4
E6563371 (9263905)	2.3	<1	150	<0.5	0.49	0.4	0.64	<0.5	0.33	0.10	311	2	18.3	2.4
E6563372 (9263906)	0.1	<1	57.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.0	0.1
E6563373 (9263907)	2.4	<1	159	<0.5	0.47	0.4	0.63	<0.5	0.31	0.09	317	2	16.8	2.2
E6563374 (9263908)	2.6	<1	144	<0.5	0.52	0.4	0.64	<0.5	0.36	0.10	312	2	20.3	2.5
E6563375 (9263909)	2.3	<1	156	<0.5	0.49	0.4	0.62	<0.5	0.35	0.09	316	2	18.3	2.4
E6563376 (9263910)	2.5	<1	172	<0.5	0.48	0.4	0.63	<0.5	0.33	0.10	300	2	18.1	2.3
E6563377 (9263911)	2.3	<1	157	<0.5	0.52	0.4	0.68	<0.5	0.32	0.10	331	2	18.7	2.3
E6563378 (9263912)	2.5	<1	148	<0.5	0.53	0.4	0.68	<0.5	0.34	0.10	321	2	20.4	2.4
E6563379 (9263913)	2.2	<1	153	<0.5	0.48	0.4	0.68	<0.5	0.32	0.08	323	1	17.4	2.1
E6563380 (9263914)	2.5	<1	141	<0.5	0.49	0.4	0.64	<0.5	0.31	0.09	304	2	17.2	2.1
E6563381 (9263915)	2.5	<1	142	<0.5	0.52	0.4	0.67	<0.5	0.33	0.11	322	2	18.8	2.2
E6563382 (9263916)	2.7	<1	152	<0.5	0.52	0.4	0.68	<0.5	0.35	0.10	328	2	21.1	2.4
E6563383 (9263917)	2.7	<1	193	<0.5	0.55	0.4	0.70	<0.5	0.38	0.11	292	2	23.0	2.7
E6563384 (9263918)	2.4	<1	144	<0.5	0.51	0.4	0.65	<0.5	0.35	0.10	342	1	20.5	2.4
E6563385 (9263919)	2.4	<1	138	<0.5	0.48	0.4	0.66	<0.5	0.30	0.09	314	2	18.0	2.2
E6563386 (9263920)	5.4	2	28.0	0.6	0.49	11.5	0.23	0.7	0.27	6.12	57	4	19.1	1.9
E6563387 (9263921)	2.4	<1	164	<0.5	0.49	0.4	0.64	<0.5	0.33	0.11	306	2	19.2	2.2
E6563388 (9263922)	2.5	<1	141	<0.5	0.52	0.4	0.65	<0.5	0.33	0.10	301	2	21.3	2.4
E6563389 (9263923)	2.3	<1	163	<0.5	0.49	0.4	0.66	<0.5	0.30	0.10	312	2	19.1	2.1
E6563390 (9263924)	2.7	<1	160	<0.5	0.55	0.5	0.72	<0.5	0.34	0.10	333	2	22.4	2.3
E6563391 (9263925)	2.4	<1	177	<0.5	0.49	0.4	0.68	<0.5	0.31	0.09	325	2	20.4	2.3
E6563392 (9263926)	0.2	<1	56.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.07	<5	<1	2.2	0.1
E6563393 (9263927)	2.4	<1	164	<0.5	0.48	0.4	0.63	<0.5	0.31	0.10	309	2	20.7	2.3
E6563394 (9263928)	2.2	<1	111	<0.5	0.45	0.4	0.59	<0.5	0.33	0.10	293	3	19.2	2.3
E6563395 (9263929)	2.5	<1	156	<0.5	0.53	0.4	0.62	<0.5	0.34	0.11	318	2	20.5	2.5
E6563396 (9263930)	2.4	<1	186	<0.5	0.47	0.4	0.66	<0.5	0.34	0.10	309	2	18.7	2.3
E6563397 (9263931)	2.5	<1	193	<0.5	0.50	0.4	0.68	<0.5	0.34	0.11	311	2	19.7	2.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563398 (9263932)	2.5	<1	189	<0.5	0.51	0.4	0.68	<0.5	0.33	0.12	322	2	20.4	2.4
E6563399 (9263933)	2.5	<1	155	<0.5	0.53	0.4	0.67	<0.5	0.34	0.12	337	2	20.2	2.5
E6563400 (9263934)	2.4	<1	144	<0.5	0.50	0.4	0.65	<0.5	0.34	0.11	330	3	20.4	2.5
E6563401 (9263935)	2.6	<1	155	<0.5	0.53	0.4	0.64	<0.5	0.35	0.12	313	3	20.8	2.5
E6563402 (9263936)	2.3	<1	139	<0.5	0.45	0.4	0.64	<0.5	0.32	0.11	327	3	17.9	2.3
E6563403 (9263937)	2.5	<1	158	<0.5	0.51	0.4	0.66	<0.5	0.35	0.12	326	3	21.9	2.5
E6563404 (9263938)	2.5	<1	152	<0.5	0.49	0.4	0.61	<0.5	0.34	0.12	308	4	20.4	2.5
E6563405 (9263939)	2.8	<1	155	<0.5	0.56	0.3	0.53	<0.5	0.38	0.12	293	3	22.8	2.7
E6563406 (9263940)	5.6	2	30.7	0.7	0.51	11.8	0.24	0.7	0.27	6.30	58	4	18.6	1.9
E6563407 (9263941)	3.9	<1	237	<0.5	0.57	1.1	0.61	<0.5	0.32	0.28	269	2	22.4	2.2
E6563408 (9263942)	2.5	<1	163	<0.5	0.50	0.4	0.61	<0.5	0.35	0.10	308	3	22.9	2.4
E6563409 (9263943)	2.5	<1	156	<0.5	0.53	0.4	0.53	<0.5	0.35	0.11	290	3	23.6	2.3
E6563410 (9263944)	3.2	<1	99.1	<0.5	0.66	0.2	0.34	<0.5	0.36	0.10	205	2	29.4	2.3
E6563411 (9263945)	3.0	<1	128	<0.5	0.57	0.4	0.55	<0.5	0.33	0.13	285	3	24.0	2.3
E6563412 (9263946)	0.2	<1	53.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.17	<5	<1	2.3	0.1
E6563413 (9263947)	2.7	<1	163	<0.5	0.55	0.5	0.67	<0.5	0.35	0.12	323	4	24.9	2.6
E6563414 (9263948)	2.2	<1	157	<0.5	0.47	0.4	0.61	<0.5	0.31	0.11	279	5	19.6	2.1
E6563415 (9263949)	2.6	<1	136	<0.5	0.50	0.5	0.59	<0.5	0.37	0.12	292	4	23.0	2.6
E6563416 (9263950)	2.5	<1	169	<0.5	0.49	0.4	0.64	<0.5	0.33	0.10	313	4	20.2	2.3
E6563417 (9263951)	2.5	<1	161	<0.5	0.52	0.4	0.65	<0.5	0.35	0.10	320	4	21.0	2.5
E6563418 (9263952)	2.5	<1	162	<0.5	0.51	0.4	0.65	<0.5	0.35	0.10	329	4	22.0	2.5
E6563419 (9263953)	3.3	<1	148	<0.5	0.50	1.3	0.60	<0.5	0.29	0.37	287	3	17.4	2.2
E6563420 (9263954)	4.2	<1	269	<0.5	0.62	2.3	0.61	<0.5	0.34	0.68	288	2	22.9	2.4
E6563421 (9263955)	4.9	<1	350	<0.5	0.61	3.4	0.60	<0.5	0.29	0.96	264	2	21.1	2.0
E6563422 (9263956)	2.5	<1	204	<0.5	0.50	0.5	0.65	<0.5	0.31	0.15	310	3	20.8	2.1
E6563423 (9263957)	7.3	1	149	<0.5	0.80	6.0	0.49	<0.5	0.30	1.71	201	2	23.3	2.1
E6563424 (9263958)	7.0	1	326	<0.5	0.80	5.9	0.51	<0.5	0.33	1.74	201	2	25.7	2.3
E6563425 (9263959)	9.1	1	496	<0.5	0.88	7.6	0.47	<0.5	0.29	2.27	178	1	25.3	1.9
E6563426 (9263960)	5.4	2	28.8	0.6	0.52	11.8	0.22	0.7	0.27	6.33	55	4	19.6	1.9
E6563427 (9263961)	2.6	<1	181	<0.5	0.53	0.5	0.62	<0.5	0.36	0.18	310	4	23.0	2.4
E6563428 (9263962)	2.6	<1	174	<0.5	0.53	0.5	0.60	<0.5	0.36	0.13	299	2	24.9	2.6
E6563429 (9263963)	2.4	<1	168	<0.5	0.52	0.4	0.65	0.6	0.35	0.13	318	2	24.1	2.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6563430 (9263964)	2.4	<1	166	<0.5	0.51	0.4	0.63	<0.5	0.34	0.12	308	2	23.5	2.3
E6563431 (9263965)	2.7	<1	175	<0.5	0.51	0.4	0.64	<0.5	0.35	0.12	314	2	24.3	2.5
E6563432 (9263966)	0.2	<1	49.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.4	0.1
E6563433 (9263967)	2.5	<1	177	<0.5	0.51	0.4	0.60	<0.5	0.37	0.12	314	4	24.2	2.4
E6563434 (9263968)	2.6	<1	180	<0.5	0.52	0.4	0.63	<0.5	0.35	0.11	311	2	25.2	2.4
E6563435 (9263969)	2.6	<1	180	<0.5	0.53	0.4	0.64	<0.5	0.34	0.11	315	3	24.7	2.4
E6563436 (9263970)	2.4	1	203	<0.5	0.52	0.4	0.65	<0.5	0.33	0.12	304	2	24.5	2.3

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563334 (9263868)		110	56.5
E6563335 (9263869)		167	53.0
E6563336 (9263870)		107	58.2
E6563337 (9263871)		74	50.0
E6563338 (9263872)		73	57.2
E6563339 (9263873)		74	55.2
E6563340 (9263874)		680	52.2
E6563341 (9263875)		378	55.4
E6563342 (9263876)		532	56.9
E6563343 (9263877)		78	62.0
E6563344 (9263878)		84	64.9
E6563345 (9263879)		90	57.3
E6563346 (9263880)		7	169
E6563347 (9263881)		78	71.4
E6563348 (9263882)		82	62.5
E6563349 (9263883)		228	67.8
E6563350 (9263884)		88	67.1
E6563351 (9263885)		77	64.7
E6563352 (9263886)		<5	2.4
E6563353 (9263887)		297	64.1
E6563354 (9263888)		116	56.8
E6563355 (9263889)		111	57.2
E6563356 (9263890)		101	54.4
E6563357 (9263891)		89	61.8
E6563358 (9263892)		86	57.2
E6563359 (9263893)		95	62.4
E6563360 (9263894)		96	46.4
E6563361 (9263895)		134	68.9
E6563362 (9263896)		104	66.2
E6563363 (9263897)		92	67.5
E6563364 (9263898)		112	64.1
E6563365 (9263899)		110	81.8

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563366 (9263900)		9	174
E6563367 (9263901)		1180	176
E6563368 (9263902)		126	167
E6563369 (9263903)		85	89.9
E6563370 (9263904)		77	58.3
E6563371 (9263905)		124	59.5
E6563372 (9263906)		<5	2.7
E6563373 (9263907)		157	55.1
E6563374 (9263908)		99	64.6
E6563375 (9263909)		146	54.6
E6563376 (9263910)		96	54.1
E6563377 (9263911)		88	57.9
E6563378 (9263912)		86	63.4
E6563379 (9263913)		88	61.3
E6563380 (9263914)		91	59.8
E6563381 (9263915)		181	60.0
E6563382 (9263916)		79	64.7
E6563383 (9263917)		148	68.3
E6563384 (9263918)		79	61.2
E6563385 (9263919)		71	60.3
E6563386 (9263920)		6	172
E6563387 (9263921)		72	60.9
E6563388 (9263922)		75	67.2
E6563389 (9263923)		78	65.0
E6563390 (9263924)		76	77.9
E6563391 (9263925)		75	66.6
E6563392 (9263926)		<5	2.2
E6563393 (9263927)		82	65.8
E6563394 (9263928)		106	56.2
E6563395 (9263929)		87	64.3
E6563396 (9263930)		73	57.4
E6563397 (9263931)		71	65.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563398 (9263932)		72	67.6
E6563399 (9263933)		121	66.5
E6563400 (9263934)		99	57.8
E6563401 (9263935)		94	63.4
E6563402 (9263936)		86	61.3
E6563403 (9263937)		79	63.4
E6563404 (9263938)		84	59.3
E6563405 (9263939)		100	53.8
E6563406 (9263940)		7	192
E6563407 (9263941)		100	86.9
E6563408 (9263942)		78	68.4
E6563409 (9263943)		90	56.6
E6563410 (9263944)		77	36.2
E6563411 (9263945)		95	70.4
E6563412 (9263946)		<5	2.3
E6563413 (9263947)		86	78.5
E6563414 (9263948)		95	63.0
E6563415 (9263949)		106	67.0
E6563416 (9263950)		79	62.4
E6563417 (9263951)		101	68.8
E6563418 (9263952)		102	69.9
E6563419 (9263953)		72	71.8
E6563420 (9263954)		86	99.3
E6563421 (9263955)		102	112
E6563422 (9263956)		101	69.8
E6563423 (9263957)		112	157
E6563424 (9263958)		99	159
E6563425 (9263959)		94	189
E6563426 (9263960)		6	180
E6563427 (9263961)		93	71.8
E6563428 (9263962)		96	72.2
E6563429 (9263963)		89	71.0

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563430 (9263964)		87	72.2
E6563431 (9263965)		86	72.9
E6563432 (9263966)		<5	2.2
E6563433 (9263967)		100	70.1
E6563434 (9263968)		85	71.6
E6563435 (9263969)		90	71.3
E6563436 (9263970)		83	78.1

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 22, 2018 DATE RECEIVED: May 23, 2018 DATE REPORTED: Jul 09, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Pass % % 0.01
E6563335 (9263869)		89
E6563336 (9263870)		89
E6563337 (9263871)		81
E6563342 (9263876)		82
E6563343 (9263877)		63
E6563344 (9263878)		80
E6563345 (9263879)		84
E6563353 (9263887)		84
E6563363 (9263897)		83
E6563373 (9263907)		83
E6563383 (9263917)		82
E6563393 (9263927)		83
E6563403 (9263937)		83
E6563413 (9263947)		82
E6563423 (9263957)		80
E6563424 (9263958)		67
E6563425 (9263959)		85

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9263868	< 1	< 1	0.0%	9263879	< 1	< 1	0.0%	9263891	< 1	< 1	0.0%	9263893	< 1	< 1	0.0%
Al	9263868	8.85	8.83	0.2%	9263879	8.09	8.05	0.5%	9263891	8.65	8.70	0.6%	9263893	8.50	8.58	0.9%
As	9263868	5	5	0.0%	9263879	< 5	< 5	0.0%	9263891	8	6	28.6%	9263893	8	5	46.2%
B	9263868	46	43	6.7%	9263879	< 20	< 20	0.0%	9263891	< 20	< 20	0.0%	9263893	< 20	< 20	0.0%
Ba	9263868	268	270	0.7%	9263879	248	251	1.2%	9263891	245	246	0.4%	9263893	232	230	0.9%
Be	9263868	< 5	< 5	0.0%	9263879	< 5	< 5	0.0%	9263891	< 5	< 5	0.0%	9263893	< 5	< 5	0.0%
Bi	9263868	0.2	0.2	0.0%	9263879	0.3	0.3	0.0%	9263891	< 0.1	< 0.1	0.0%	9263893	0.4	0.3	28.6%
Ca	9263868	7.46	7.36	1.3%	9263879	5.94	5.94	0.0%	9263891	7.49	7.41	1.1%	9263893	5.58	5.66	1.4%
Cd	9263868	< 0.2	< 0.2	0.0%	9263879	< 0.2	< 0.2	0.0%	9263891	< 0.2	< 0.2	0.0%	9263893	< 0.2	< 0.2	0.0%
Ce	9263868	11.0	11.4	3.6%	9263879	9.63	10.7	10.5%	9263891	11.9	11.0	7.9%	9263893	19.4	20.5	5.5%
Co	9263868	42.9	45.9	6.8%	9263879	46.9	51.1	8.6%	9263891	42.7	41.0	4.1%	9263893	39.4	38.8	1.5%
Cr	9263868	0.0268	0.0276	2.9%	9263879	0.0222	0.0228	2.7%	9263891	0.023	0.023	0.0%	9263893	0.025	0.026	3.9%
Cs	9263868	0.73	0.76	4.0%	9263879	0.9	0.9	0.0%	9263891	0.60	0.55	8.7%	9263893	0.6	0.6	0.0%
Cu	9263868	32	30	6.5%	9263879	63	63	0.0%	9263891	16	16	0.0%	9263893	219	197	10.6%
Dy	9263868	3.60	3.77	4.6%	9263879	3.20	3.62	12.3%	9263891	3.67	3.39	7.9%	9263893	3.62	3.80	4.9%
Er	9263868	2.18	2.37	8.4%	9263879	1.99	2.30	14.5%	9263891	2.38	2.30	3.4%	9263893	2.28	2.33	2.2%
Eu	9263868	0.782	0.872	10.9%	9263879	0.763	0.846	10.3%	9263891	0.89	0.79	11.9%	9263893	0.946	0.903	4.7%
Fe	9263868	6.99	6.90	1.3%	9263879	7.98	8.02	0.5%	9263891	7.44	7.38	0.8%	9263893	7.93	7.66	3.5%
Ga	9263868	15.5	16.5	6.3%	9263879	14.7	15.9	7.8%	9263891	16.6	16.1	3.1%	9263893	15.9	16.5	3.7%
Gd	9263868	3.10	3.30	6.3%	9263879	2.75	3.00	8.7%	9263891	3.27	3.02	7.9%	9263893	3.49	3.70	5.8%
Ge	9263868	1	2		9263879	2	2	0.0%	9263891	2	2	0.0%	9263893	1	2	
Hf	9263868	2	2	0.0%	9263879	2	2	0.0%	9263891	2	2	0.0%	9263893	2	2	0.0%
Ho	9263868	0.702	0.768	9.0%	9263879	0.65	0.71	8.8%	9263891	0.725	0.693	4.5%	9263893	0.70	0.75	6.9%
In	9263868	< 0.2	< 0.2	0.0%	9263879	< 0.2	< 0.2	0.0%	9263891	< 0.2	< 0.2	0.0%	9263893	< 0.2	< 0.2	0.0%
K	9263868	1.04	1.05	1.0%	9263879	0.747	0.741	0.8%	9263891	0.88	0.87	1.1%	9263893	0.697	0.655	6.2%
La	9263868	4.28	4.56	6.3%	9263879	3.8	4.1	7.6%	9263891	5.1	4.8	6.1%	9263893	8.28	8.75	5.5%
Li	9263868	16	14	13.3%	9263879	13	14	7.4%	9263891	22	21	4.7%	9263893	15	15	0.0%
Lu	9263868	0.310	0.338	8.6%	9263879	0.311	0.320	2.9%	9263891	0.34	0.31	9.2%	9263893	0.31	0.30	3.3%
Mg	9263868	2.51	2.49	0.8%	9263879	2.76	2.75	0.4%	9263891	2.92	2.99	2.4%	9263893	2.35	2.42	2.9%
Mn	9263868	1870	1810	3.3%	9263879	1870	1860	0.5%	9263891	2020	2030	0.5%	9263893	1670	1720	2.9%
Mo	9263868	3	4	28.6%	9263879	3	4	28.6%	9263891	3	3	0.0%	9263893	< 2	< 2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9263868	2	2	0.0%	9263879	2	3		9263891	2	2	0.0%	9263893	3	3	0.0%
Nd	9263868	7.91	8.39	5.9%	9263879	7.02	7.77	10.1%	9263891	8.5	8.0	6.1%	9263893	11.7	12.5	6.6%
Ni	9263868	87	89	2.3%	9263879	87	94	7.7%	9263891	93	90	3.3%	9263893	75	73	2.7%
P	9263868	0.05	0.05	0.0%	9263879	0.04	0.04	0.0%	9263891	0.04	0.04	0.0%	9263893	0.063	0.067	6.2%
Pb	9263868	7	7	0.0%	9263879	16	17	6.1%	9263891	5	5	0.0%	9263893	33	25	27.6%
Pr	9263868	1.66	1.71	3.0%	9263879	1.44	1.57	8.6%	9263891	1.75	1.56	11.5%	9263893	2.68	2.84	5.8%
Rb	9263868	49.4	52.4	5.9%	9263879	28.7	31.6	9.6%	9263891	39.3	37.7	4.2%	9263893	25.5	24.6	3.6%
S	9263868	0.099	0.107	7.8%	9263879	0.449	0.466	3.7%	9263891	0.04	0.04	0.0%	9263893	0.608	0.560	8.2%
Sb	9263868	0.44	0.50	12.8%	9263879	0.5	0.5	0.0%	9263891	0.5	0.5	0.0%	9263893	0.60	0.52	14.3%
Sc	9263868	48	48	0.0%	9263879	44	45	2.2%	9263891	47	48	2.1%	9263893	45	46	2.2%
Si	9263868	23.3	23.1	0.9%	9263879	22.3	22.4	0.4%	9263891	23.8	23.6	0.8%	9263893	25.4	24.6	3.2%
Sm	9263868	2.4	2.5	4.1%	9263879	2.2	2.4	8.7%	9263891	2.5	2.4	4.1%	9263893	3.1	3.1	0.0%
Sn	9263868	< 1	1		9263879	< 1	< 1	0.0%	9263891	< 1	< 1	0.0%	9263893	< 1	< 1	0.0%
Sr	9263868	140	137	2.2%	9263879	130	130	0.0%	9263891	154	151	2.0%	9263893	131	119	9.6%
Ta	9263868	< 0.5	< 0.5	0.0%	9263879	< 0.5	< 0.5	0.0%	9263891	< 0.5	< 0.5	0.0%	9263893	< 0.5	< 0.5	0.0%
Tb	9263868	0.49	0.51	4.0%	9263879	0.44	0.47	6.6%	9263891	0.50	0.48	4.1%	9263893	0.529	0.555	4.8%
Th	9263868	0.51	0.43	17.0%	9263879	0.4	0.4	0.0%	9263891	0.4	0.4	0.0%	9263893	1.0	1.1	9.5%
Ti	9263868	0.654	0.661	1.1%	9263879	0.646	0.645	0.2%	9263891	0.67	0.67	0.0%	9263893	0.661	0.670	1.4%
Tl	9263868	< 0.5	< 0.5	0.0%	9263879	< 0.5	< 0.5	0.0%	9263891	< 0.5	< 0.5	0.0%	9263893	< 0.5	< 0.5	0.0%
Tm	9263868	0.31	0.32	3.2%	9263879	0.306	0.305	0.3%	9263891	0.33	0.31	6.3%	9263893	0.309	0.318	2.9%
U	9263868	0.12	0.11	8.7%	9263879	0.101	0.120	17.2%	9263891	0.09	0.09	0.0%	9263893	0.17	0.18	5.7%
V	9263868	328	327	0.3%	9263879	308	313	1.6%	9263891	320	320	0.0%	9263893	313	324	3.5%
W	9263868	2	2	0.0%	9263879	3	3	0.0%	9263891	3	3	0.0%	9263893	4	3	28.6%
Y	9263868	18.1	19.3	6.4%	9263879	17.7	20.2	13.2%	9263891	20.3	18.9	7.1%	9263893	19.5	20.7	6.0%
Yb	9263868	2.2	2.4	8.7%	9263879	2.16	2.25	4.1%	9263891	2.39	2.21	7.8%	9263893	2.2	2.2	0.0%
Zn	9263868	110	87	23.4%	9263879	90	91	1.1%	9263891	89	88	1.1%	9263893	95	94	1.1%
Zr	9263868	56.5	56.0	0.9%	9263879	57.3	63.1	9.6%	9263891	61.8	56.2	9.5%	9263893	62.4	67.3	7.6%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9263903	< 1	< 1	0.0%	9263915	< 1	< 1	0.0%	9263918	< 1	< 1	0.0%	9263927	< 1	< 1	0.0%
Al	9263903	8.11	7.97	1.7%	9263915	8.58	8.65	0.8%	9263918	8.37	8.85	5.6%	9263927	8.33	8.32	0.1%
As	9263903	< 5	< 5	0.0%	9263915	< 5	< 5	0.0%	9263918	< 5	< 5	0.0%	9263927	< 5	< 5	0.0%
B	9263903	62	63	1.6%	9263915	< 20	< 20	0.0%	9263918	20	22	9.5%	9263927	20	18	10.5%
Ba	9263903	340	342	0.6%	9263915	196	200	2.0%	9263918	140	137	2.2%	9263927	144	140	2.8%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9263903	< 5	< 5	0.0%	9263915	< 5	< 5	0.0%	9263918	< 5	< 5	0.0%	9263927	< 5	< 5	0.0%
Bi	9263903	0.5	0.5	0.0%	9263915	0.1	0.1	0.0%	9263918	0.1	0.1	0.0%	9263927	0.3	0.3	0.0%
Ca	9263903	7.26	7.12	1.9%	9263915	6.62	6.52	1.5%	9263918	7.98	8.41	5.2%	9263927	7.08	6.85	3.3%
Cd	9263903	< 0.2	< 0.2	0.0%	9263915	0.3	0.3	0.0%	9263918	< 0.2	< 0.2	0.0%	9263927	< 0.2	< 0.2	0.0%
Ce	9263903	34.5	31.5	9.1%	9263915	12.2	13.7	11.6%	9263918	10.7	11.0	2.8%	9263927	9.93	10.4	4.6%
Co	9263903	38.8	36.9	5.0%	9263915	27.9	29.8	6.6%	9263918	37.2	39.3	5.5%	9263927	82.3	83.6	1.6%
Cr	9263903	0.020	0.020	0.0%	9263915	0.0227	0.0236	3.9%	9263918	0.026	0.025	3.9%	9263927	0.0229	0.0222	3.1%
Cs	9263903	0.69	0.63	9.1%	9263915	0.6	0.6	0.0%	9263918	0.51	0.58	12.8%	9263927	0.7	0.7	0.0%
Cu	9263903	417	423	1.4%	9263915	41	42	2.4%	9263918	76	76	0.0%	9263927	155	151	2.6%
Dy	9263903	4.26	3.85	10.1%	9263915	3.64	3.92	7.4%	9263918	3.69	3.90	5.5%	9263927	3.66	3.64	0.5%
Er	9263903	2.50	2.30	8.3%	9263915	2.30	2.46	6.7%	9263918	2.38	2.54	6.5%	9263927	2.26	2.23	1.3%
Eu	9263903	1.26	1.07	16.3%	9263915	0.934	1.08	14.5%	9263918	0.82	0.90	9.3%	9263927	0.86	0.92	6.7%
Fe	9263903	7.83	7.65	2.3%	9263915	7.26	7.17	1.2%	9263918	7.09	7.43	4.7%	9263927	8.30	8.09	2.6%
Ga	9263903	17.7	16.7	5.8%	9263915	15.7	16.9	7.4%	9263918	15.9	16.8	5.5%	9263927	16.5	16.7	1.2%
Gd	9263903	4.59	4.29	6.8%	9263915	3.22	3.42	6.0%	9263918	3.38	3.43	1.5%	9263927	3.04	3.11	2.3%
Ge	9263903	2	2	0.0%	9263915	2	2	0.0%	9263918	2	2	0.0%	9263927	2	2	0.0%
Hf	9263903	2	2	0.0%	9263915	2	2	0.0%	9263918	2	2	0.0%	9263927	2	2	0.0%
Ho	9263903	0.797	0.733	8.4%	9263915	0.74	0.77	4.0%	9263918	0.740	0.798	7.5%	9263927	0.70	0.75	6.9%
In	9263903	< 0.2	< 0.2	0.0%	9263915	< 0.2	< 0.2	0.0%	9263918	< 0.2	< 0.2	0.0%	9263927	< 0.2	< 0.2	0.0%
K	9263903	0.825	0.828	0.4%	9263915	0.837	0.831	0.7%	9263918	0.69	0.72	4.3%	9263927	0.59	0.59	0.0%
La	9263903	15.9	14.7	7.8%	9263915	4.8	5.1	6.1%	9263918	4.19	4.35	3.7%	9263927	3.8	4.0	5.1%
Li	9263903	10	11	9.5%	9263915	15	14	6.9%	9263918	13	11	16.7%	9263927	10	12	18.2%
Lu	9263903	0.35	0.33	5.9%	9263915	0.33	0.33	0.0%	9263918	0.33	0.35	5.9%	9263927	0.32	0.34	6.1%
Mg	9263903	2.45	2.38	2.9%	9263915	2.78	2.93	5.3%	9263918	2.82	2.86	1.4%	9263927	2.56	2.57	0.4%
Mn	9263903	1770	1770	0.0%	9263915	1650	1740	5.3%	9263918	1810	1760	2.8%	9263927	1760	1710	2.9%
Mo	9263903	4	4	0.0%	9263915	2	2	0.0%	9263918	4	3	28.6%	9263927	2	2	0.0%
Nb	9263903	3	3	0.0%	9263915	2	2	0.0%	9263918	3	3	0.0%	9263927	3	3	0.0%
Nd	9263903	19.3	17.2	11.5%	9263915	8.3	9.3	11.4%	9263918	7.92	8.39	5.8%	9263927	7.54	7.82	3.6%
Ni	9263903	56	57	1.8%	9263915	66	69	4.4%	9263918	73	68	7.1%	9263927	88	85	3.5%
P	9263903	0.11	0.12	8.7%	9263915	0.04	0.04	0.0%	9263918	0.049	0.045	8.5%	9263927	0.04	0.04	0.0%
Pb	9263903	10	10	0.0%	9263915	57	63	10.0%	9263918	9	8	11.8%	9263927	12	12	0.0%
Pr	9263903	4.35	4.08	6.4%	9263915	1.77	1.92	8.1%	9263918	1.61	1.70	5.4%	9263927	1.55	1.58	1.9%
Rb	9263903	33.0	31.3	5.3%	9263915	33.6	34.9	3.8%	9263918	32.8	36.1	9.6%	9263927	27.2	26.7	1.9%
S	9263903	1.06	1.07	0.9%	9263915	0.053	0.062	15.7%	9263918	0.298	0.293	1.7%	9263927	1.98	1.94	2.0%



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Sb	9263903	0.5	0.5	0.0%	9263915	0.2	0.2	0.0%	9263918	0.2	0.2	0.0%	9263927	0.2	0.2	0.0%
Sc	9263903	39	39	0.0%	9263915	47	50	6.2%	9263918	51	49	4.0%	9263927	45	45	0.0%
Si	9263903	23.8	23.3	2.1%	9263915	24.2	23.6	2.5%	9263918	23.8	25.0	4.9%	9263927	23.7	23.1	2.6%
Sm	9263903	4.5	4.2	6.9%	9263915	2.5	2.8	11.3%	9263918	2.40	2.56	6.5%	9263927	2.4	2.4	0.0%
Sn	9263903	< 1	< 1	0.0%	9263915	< 1	< 1	0.0%	9263918	< 1	< 1	0.0%	9263927	< 1	< 1	0.0%
Sr	9263903	299	293	2.0%	9263915	142	140	1.4%	9263918	144	157	8.6%	9263927	164	161	1.8%
Ta	9263903	< 0.5	< 0.5	0.0%	9263915	< 0.5	< 0.5	0.0%	9263918	< 0.5	< 0.5	0.0%	9263927	< 0.5	< 0.5	0.0%
Tb	9263903	0.672	0.592	12.7%	9263915	0.522	0.547	4.7%	9263918	0.51	0.52	1.9%	9263927	0.48	0.49	2.1%
Th	9263903	2.7	2.5	7.7%	9263915	0.4	0.4	0.0%	9263918	0.4	0.4	0.0%	9263927	0.4	0.4	0.0%
Ti	9263903	0.575	0.573	0.3%	9263915	0.67	0.67	0.0%	9263918	0.652	0.689	5.5%	9263927	0.63	0.63	0.0%
Tl	9263903	< 0.5	< 0.5	0.0%	9263915	< 0.5	< 0.5	0.0%	9263918	< 0.5	< 0.5	0.0%	9263927	< 0.5	< 0.5	0.0%
Tm	9263903	0.346	0.318	8.4%	9263915	0.334	0.341	2.1%	9263918	0.352	0.365	3.6%	9263927	0.310	0.329	5.9%
U	9263903	0.77	0.71	8.1%	9263915	0.11	0.12	8.7%	9263918	0.102	0.105	2.9%	9263927	0.10	0.10	0.0%
V	9263903	269	270	0.4%	9263915	322	337	4.6%	9263918	342	328	4.2%	9263927	309	308	0.3%
W	9263903	3	2		9263915	2	2	0.0%	9263918	1	1	0.0%	9263927	2	2	0.0%
Y	9263903	20.5	19.4	5.5%	9263915	18.8	20.8	10.1%	9263918	20.5	21.1	2.9%	9263927	20.7	19.7	5.0%
Yb	9263903	2.47	2.24	9.8%	9263915	2.2	2.4	8.7%	9263918	2.4	2.5	4.1%	9263927	2.3	2.3	0.0%
Zn	9263903	85	85	0.0%	9263915	181	175	3.4%	9263918	79	77	2.6%	9263927	82	79	3.7%
Zr	9263903	89.9	83.1	7.9%	9263915	60.0	64.1	6.6%	9263918	61.2	65.8	7.2%	9263927	65.8	63.9	2.9%

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9263939	< 1	< 1	0.0%	9263943	< 1	< 1	0.0%	9263951	< 1	< 1	0.0%	9263963	< 1	< 1	0.0%
Al	9263939	7.25	7.13	1.7%	9263943	7.29	7.31	0.3%	9263951	8.81	8.66	1.7%	9263963	8.94	9.07	1.4%
As	9263939	< 5	< 5	0.0%	9263943	< 5	< 5	0.0%	9263951	< 5	< 5	0.0%	9263963	< 5	< 5	0.0%
B	9263939	< 20	< 20	0.0%	9263943	23	18	24.4%	9263951	20	21	4.9%	9263963	22	24	8.7%
Ba	9263939	165	163	1.2%	9263943	173	174	0.6%	9263951	381	393	3.1%	9263963	333	338	1.5%
Be	9263939	< 5	< 5	0.0%	9263943	< 5	< 5	0.0%	9263951	< 5	< 5	0.0%	9263963	< 5	< 5	0.0%
Bi	9263939	0.3	0.3	0.0%	9263943	0.3	0.3	0.0%	9263951	0.3	0.3	0.0%	9263963	0.4	0.4	0.0%
Ca	9263939	10.0	9.84	1.6%	9263943	8.45	8.42	0.4%	9263951	7.80	7.86	0.8%	9263963	6.96	6.91	0.7%
Cd	9263939	< 0.2	< 0.2	0.0%	9263943	< 0.2	< 0.2	0.0%	9263951	< 0.2	< 0.2	0.0%	9263963	< 0.2	< 0.2	0.0%
Ce	9263939	12.5	11.7	6.6%	9263943	11.2	12.3	9.4%	9263951	10.7	10.5	1.9%	9263963	10.1	10.5	3.9%
Co	9263939	77.0	72.2	6.4%	9263943	87.0	95.2	9.0%	9263951	50.8	48.8	4.0%	9263963	54.4	57.9	6.2%
Cr	9263939	0.019	0.019	0.0%	9263943	0.022	0.021	4.7%	9263951	0.027	0.027	0.0%	9263963	0.0251	0.0260	3.5%
Cs	9263939	0.6	0.6	0.0%	9263943	1.02	1.06	3.8%	9263951	1.7	1.6	6.1%	9263963	2.99	3.18	6.2%



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Cu	9263939	430	424	1.4%	9263943	585	575	1.7%	9263951	142	141	0.7%	9263963	384	396	3.1%
Dy	9263939	4.09	3.79	7.6%	9263943	3.85	4.17	8.0%	9263951	3.79	3.61	4.9%	9263963	3.77	4.09	8.1%
Er	9263939	2.65	2.44	8.3%	9263943	2.44	2.70	10.1%	9263951	2.52	2.35	7.0%	9263963	2.52	2.61	3.5%
Eu	9263939	0.94	0.88	6.6%	9263943	0.89	0.93	4.4%	9263951	0.76	0.74	2.7%	9263963	0.834	0.877	5.0%
Fe	9263939	12.0	11.9	0.8%	9263943	11.0	10.9	0.9%	9263951	7.85	7.90	0.6%	9263963	9.96	9.88	0.8%
Ga	9263939	15.1	14.2	6.1%	9263943	14.5	15.9	9.2%	9263951	18.3	16.8	8.5%	9263963	17.2	18.3	6.2%
Gd	9263939	3.50	3.17	9.9%	9263943	3.23	3.47	7.2%	9263951	3.14	3.00	4.6%	9263963	3.24	3.37	3.9%
Ge	9263939	2	2	0.0%	9263943	2	2	0.0%	9263951	2	2	0.0%	9263963	2	2	0.0%
Hf	9263939	1	1	0.0%	9263943	1	2		9263951	2	2	0.0%	9263963	2	2	0.0%
Ho	9263939	0.80	0.75	6.5%	9263943	0.80	0.83	3.7%	9263951	0.758	0.729	3.9%	9263963	0.78	0.83	6.2%
In	9263939	< 0.2	< 0.2	0.0%	9263943	< 0.2	< 0.2	0.0%	9263951	< 0.2	< 0.2	0.0%	9263963	< 0.2	< 0.2	0.0%
K	9263939	0.43	0.43	0.0%	9263943	0.537	0.529	1.5%	9263951	1.07	1.07	0.0%	9263963	1.13	1.15	1.8%
La	9263939	5.10	4.71	8.0%	9263943	4.65	5.16	10.4%	9263951	4.27	4.11	3.8%	9263963	4.1	4.3	4.8%
Li	9263939	< 10	< 10	0.0%	9263943	10	12	18.2%	9263951	18	17	5.7%	9263963	24	23	4.3%
Lu	9263939	0.405	0.376	7.4%	9263943	0.341	0.359	5.1%	9263951	0.352	0.332	5.8%	9263963	0.373	0.393	5.2%
Mg	9263939	3.12	3.08	1.3%	9263943	2.63	2.63	0.0%	9263951	2.45	2.45	0.0%	9263963	2.35	2.48	5.4%
Mn	9263939	2800	2770	1.1%	9263943	2530	2550	0.8%	9263951	1990	1990	0.0%	9263963	2480	2520	1.6%
Mo	9263939	11	10	9.5%	9263943	5	6	18.2%	9263951	6	6	0.0%	9263963	5	6	18.2%
Nb	9263939	2	2	0.0%	9263943	2	2	0.0%	9263951	2	2	0.0%	9263963	3	3	0.0%
Nd	9263939	9.0	8.5	5.7%	9263943	7.8	8.5	8.6%	9263951	8.0	7.7	3.8%	9263963	7.4	7.9	6.5%
Ni	9263939	117	117	0.0%	9263943	138	137	0.7%	9263951	97	93	4.2%	9263963	108	111	2.7%
P	9263939	0.04	0.04	0.0%	9263943	0.04	0.04	0.0%	9263951	0.04	0.04	0.0%	9263963	0.04	0.04	0.0%
Pb	9263939	8	7	13.3%	9263943	5	6	18.2%	9263951	8	8	0.0%	9263963	< 5	< 5	0.0%
Pr	9263939	1.83	1.76	3.9%	9263943	1.68	1.79	6.3%	9263951	1.62	1.56	3.8%	9263963	1.52	1.62	6.4%
Rb	9263939	18.4	17.3	6.2%	9263943	28.4	31.4	10.0%	9263951	59.9	55.9	6.9%	9263963	63.6	68.6	7.6%
S	9263939	1.94	1.93	0.5%	9263943	2.24	2.29	2.2%	9263951	0.79	0.78	1.3%	9263963	1.48	1.53	3.3%
Sb	9263939	0.2	0.2	0.0%	9263943	0.3	0.3	0.0%	9263951	0.3	0.3	0.0%	9263963	0.2	0.2	0.0%
Sc	9263939	43	43	0.0%	9263943	40	41	2.5%	9263951	47	47	0.0%	9263963	48	49	2.1%
Si	9263939	22.2	21.9	1.4%	9263943	22.4	22.2	0.9%	9263951	23.5	23.7	0.8%	9263963	22.5	22.3	0.9%
Sm	9263939	2.8	2.4	15.4%	9263943	2.48	2.67	7.4%	9263951	2.51	2.31	8.3%	9263963	2.42	2.51	3.7%
Sn	9263939	< 1	< 1	0.0%	9263943	< 1	< 1	0.0%	9263951	< 1	< 1	0.0%	9263963	< 1	< 1	0.0%
Sr	9263939	155	152	2.0%	9263943	156	154	1.3%	9263951	161	162	0.6%	9263963	168	168	0.0%
Ta	9263939	< 0.5	< 0.5	0.0%	9263943	< 0.5	< 0.5	0.0%	9263951	< 0.5	< 0.5	0.0%	9263963	< 0.5	< 0.5	0.0%
Tb	9263939	0.56	0.52	7.4%	9263943	0.532	0.568	6.5%	9263951	0.52	0.48	8.0%	9263963	0.52	0.53	1.9%



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Th	9263939	0.3	0.3	0.0%	9263943	0.4	0.4	0.0%	9263951	0.4	0.4	0.0%	9263963	0.4	0.4	0.0%
Ti	9263939	0.529	0.523	1.1%	9263943	0.53	0.53	0.0%	9263951	0.647	0.639	1.2%	9263963	0.649	0.657	1.2%
Tl	9263939	< 0.5	< 0.5	0.0%	9263943	< 0.5	< 0.5	0.0%	9263951	< 0.5	< 0.5	0.0%	9263963	0.6	0.6	0.0%
Tm	9263939	0.381	0.353	7.6%	9263943	0.35	0.35	0.0%	9263951	0.348	0.335	3.8%	9263963	0.350	0.369	5.3%
U	9263939	0.12	0.11	8.7%	9263943	0.11	0.12	8.7%	9263951	0.10	0.10	0.0%	9263963	0.132	0.137	3.7%
V	9263939	293	293	0.0%	9263943	290	292	0.7%	9263951	320	328	2.5%	9263963	318	327	2.8%
W	9263939	3	3	0.0%	9263943	3	3	0.0%	9263951	4	4	0.0%	9263963	2	4	
Y	9263939	22.8	21.8	4.5%	9263943	23.6	26.2	10.4%	9263951	21.0	20.2	3.9%	9263963	24.1	25.6	6.0%
Yb	9263939	2.74	2.44	11.6%	9263943	2.35	2.55	8.2%	9263951	2.50	2.41	3.7%	9263963	2.6	2.6	0.0%
Zn	9263939	100	100	0.0%	9263943	90	88	2.2%	9263951	101	96	5.1%	9263963	89	89	0.0%
Zr	9263939	53.8	50.4	6.5%	9263943	56.6	63.3	11.2%	9263951	68.8	62.1	10.2%	9263963	71.0	76.1	6.9%
REPLICATE #13																
Parameter	Sample ID	Original	Replicate	RPD												
Ag	9263968	< 1	< 1	0.0%												
Al	9263968	8.67	8.67	0.0%												
As	9263968	< 5	< 5	0.0%												
B	9263968	22	19	14.6%												
Ba	9263968	236	241	2.1%												
Be	9263968	< 5	< 5	0.0%												
Bi	9263968	0.2	0.2	0.0%												
Ca	9263968	8.35	8.09	3.2%												
Cd	9263968	< 0.2	< 0.2	0.0%												
Ce	9263968	10.6	10.8	1.9%												
Co	9263968	51.3	50.0	2.6%												
Cr	9263968	0.0259	0.0240	7.6%												
Cs	9263968	0.7	0.7	0.0%												
Cu	9263968	112	112	0.0%												
Dy	9263968	3.71	3.97	6.8%												
Er	9263968	2.43	2.46	1.2%												
Eu	9263968	0.854	0.914	6.8%												
Fe	9263968	8.89	8.64	2.9%												
Ga	9263968	18.1	18.4	1.6%												
Gd	9263968	3.10	3.29	5.9%												
Ge	9263968	2	2	0.0%												



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Hf	9263968	2	2	0.0%															
Ho	9263968	0.763	0.778	1.9%															
In	9263968	< 0.2	< 0.2	0.0%															
K	9263968	0.813	0.820	0.9%															
La	9263968	4.3	4.3	0.0%															
Li	9263968	13	10	26.1%															
Lu	9263968	0.347	0.356	2.6%															
Mg	9263968	2.54	2.55	0.4%															
Mn	9263968	2580	2590	0.4%															
Mo	9263968	7	7	0.0%															
Nb	9263968	3	3	0.0%															
Nd	9263968	8.3	8.5	2.4%															
Ni	9263968	93	94	1.1%															
P	9263968	0.05	0.05	0.0%															
Pb	9263968	< 5	< 5	0.0%															
Pr	9263968	1.64	1.63	0.6%															
Rb	9263968	39.0	38.7	0.8%															
S	9263968	0.431	0.438	1.6%															
Sb	9263968	0.16	0.15	6.5%															
Sc	9263968	46	46	0.0%															
Si	9263968	24.0	23.4	2.5%															
Sm	9263968	2.6	2.6	0.0%															
Sn	9263968	< 1	< 1	0.0%															
Sr	9263968	180	178	1.1%															
Ta	9263968	< 0.5	< 0.5	0.0%															
Tb	9263968	0.523	0.530	1.3%															
Th	9263968	0.4	0.4	0.0%															
Ti	9263968	0.634	0.635	0.2%															
Tl	9263968	< 0.5	< 0.5	0.0%															
Tm	9263968	0.348	0.367	5.3%															
U	9263968	0.11	0.11	0.0%															
V	9263968	311	316	1.6%															
W	9263968	2	2	0.0%															
Y	9263968	25.2	25.0	0.8%															



AGAT Laboratories

Quality Assurance - Replicate
AGAT WORK ORDER: 18T342007
PROJECT: DDH-130A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

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Yb	9263968	2.39	2.47	3.3%												
Zn	9263968	85	84	1.2%												
Zr	9263968	71.6	72.5	1.2%												



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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	5.8	91%	90% - 110%					6.39	6	94%	90% - 110%
Al	10.95	11.04	101%	90% - 110%	4.30	4.33	101%	90% - 110%	10.95	11.01	101%	90% - 110%	4.30	4.39	102%	90% - 110%
As					2.49	2.44	98%	90% - 110%					2.49	2.53	102%	90% - 110%
Ba	340	351	103%	90% - 110%					340	341	100%	90% - 110%				
Be	2.6	2.7	102%	90% - 110%					2.6	2.7	103%	90% - 110%				
Ca	5.72	5.92	103%	90% - 110%	2.21	2.35	106%	90% - 110%	5.72	5.79	101%	90% - 110%	2.21	2.38	108%	90% - 110%
Ce	122	123	101%	90% - 110%					122	123	101%	90% - 110%				
Co	2.8	2.4	84%	90% - 110%	672	608	90%	90% - 110%	2.8	2.5	88%	90% - 110%	672	672	100%	90% - 110%
Cr					0.032	0.034	108%	90% - 110%					0.032	0.035	108%	90% - 110%
Cs	1.5	1.6	106%	90% - 110%					1.5	1.6	106%	90% - 110%				
Cu					11850	11793	100%	90% - 110%					11850	11689	99%	90% - 110%
Dy	18.2	18	99%	90% - 110%					18.2	17.6	97%	90% - 110%				
Er	14.2	13.9	98%	90% - 110%					14.2	13.6	96%	90% - 110%				
Eu	2.0	1.84	92%	90% - 110%					2.0	1.82	91%	90% - 110%				
Fe	4.34	4.31	99%	90% - 110%	25.54	25.1	98%	90% - 110%	4.34	4.35	100%	90% - 110%	25.54	25.2	99%	90% - 110%
Ga	35	32	90%	90% - 110%					35	33	93%	90% - 110%				
Gd	14	14	100%	90% - 110%					14	14	100%	90% - 110%				
Hf	10.6	10.4	98%	90% - 110%					10.6	9.8	92%	90% - 110%				
Ho	4.3	3.9	90%	90% - 110%					4.3	3.9	90%	90% - 110%				
K	1.37	1.37	100%	90% - 110%					1.37	1.37	100%	90% - 110%				
La	58	57	99%	90% - 110%					58	57	99%	90% - 110%				
Li	37	37.2	101%	90% - 110%					37	38.4	104%	90% - 110%				
Lu	2.1	1.9	91%	90% - 110%					2.1	1.9	91%	90% - 110%				
Mg	0.325	0.321	99%	90% - 110%	1.79	1.83	102%	90% - 110%	0.325	0.326	100%	90% - 110%	1.79	1.84	103%	90% - 110%
Mn	836	829	99%	90% - 110%	703	697	99%	90% - 110%	836	816	98%	90% - 110%	703	690	98%	90% - 110%
Nb	13	12	93%	90% - 110%					13	13	100%	90% - 110%				
Nd	57	57	99%	90% - 110%					57	57	100%	90% - 110%				
Ni					19530	18218	93%	90% - 110%					19530	18067	93%	90% - 110%
Pb	10	10	97%	90% - 110%	58	55	95%	90% - 110%	10	9	94%	90% - 110%	58	61	105%	90% - 110%
Pr	15.0	14.8	98%	90% - 110%					15.0	15	100%	90% - 110%				
Rb	55	51	92%	90% - 110%					55	52	95%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

S					14.14	13.88	98%	90% - 110%					14.14	13.59	96%	90% - 110%
Si	23.3	22.2	95%	90% - 110%	15.23	14.99	98%	90% - 110%	23.3	22.7	97%	90% - 110%	15.23	15.11	99%	90% - 110%
Sm	12.7	12.3	97%	90% - 110%					12.7	12.5	98%	90% - 110%				
Sn	7.1	7.5	106%	90% - 110%					7.1	7.2	101%	90% - 110%				
Sr	1191	1241	104%	90% - 110%					1191	1220	102%	90% - 110%				
Ta	0.9	0.8	90%	90% - 110%					0.9	0.7	83%	90% - 110%				
Tb	2.6	2.3	90%	90% - 110%					2.6	2.3	90%	90% - 110%				
Th	1.4	1.4	97%	90% - 110%					1.4	1.5	107%	90% - 110%				
Ti	0.172	0.17	99%	90% - 110%					0.172	0.166	96%	90% - 110%				
Tm	2.3	2.1	92%	90% - 110%					2.3	2.1	91%	90% - 110%				
U	0.8	0.8	98%	90% - 110%					0.8	1	125%	90% - 110%				
V	8	6	78%	90% - 110%					8	6	80%	90% - 110%				
Y	119	108	91%	90% - 110%					119	111	93%	90% - 110%				
Yb	14.8	14.8	100%	90% - 110%					14.8	14.5	98%	90% - 110%				
Zn	93	92.0	99%	90% - 110%	235	248	105%	90% - 110%	93	91.5	98%	90% - 110%	235	248	105%	90% - 110%
Zr	517	609	118%	90% - 110%												
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag					6.39	5.59	88%	90% - 110%								
Al	10.95	11.67	107%	90% - 110%	4.30	4.43	103%	90% - 110%								
As					2.49	2.02	81%	90% - 110%								
Ba	340	357	105%	90% - 110%												
Be	2.6	2.7	104%	90% - 110%												
Ca	5.72	6.07	106%	90% - 110%	2.21	2.36	107%	90% - 110%								
Ce	122	129	106%	90% - 110%												
Co	2.8	2.5	91%	90% - 110%	672	660	98%	90% - 110%								
Cr					0.032	0.034	107%	90% - 110%								
Cs	1.5	1.6	109%	90% - 110%												
Cu	7	5	71%	90% - 110%	11850	11467	97%	90% - 110%								
Dy	18.2	18.8	103%	90% - 110%												
Er	14.2	14.5	102%	90% - 110%												
Eu	2.0	1.91	95%	90% - 110%												
Fe	4.34	4.43	102%	90% - 110%	25.54	24.6	96%	90% - 110%								
Ga	35	36	101%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Gd	14	15	105%	90% - 110%																
Hf	10.6	10.7	101%	90% - 110%																
Ho	4.3	4.1	95%	90% - 110%																
K	1.37	1.40	102%	90% - 110%																
La	58	60	103%	90% - 110%																
Li	37	40.4	109%	90% - 110%																
Lu	2.1	2	95%	90% - 110%																
Mg	0.325	0.342	105%	90% - 110%	1.79	1.82	102%	90% - 110%												
Mn	836	840	101%	90% - 110%	703	687	98%	90% - 110%												
Nb	13	13	99%	90% - 110%																
Nd	57	60	105%	90% - 110%																
Ni					19530	18003	92%	90% - 110%												
Pb	10	11	114%	90% - 110%	58	52	90%	90% - 110%												
Pr	15.0	15.6	104%	90% - 110%																
Rb	55	56	101%	90% - 110%																
S					14.14	13.79	98%	90% - 110%												
Si	23.3	23.9	103%	90% - 110%	15.23	15.26	100%	90% - 110%												
Sm	12.7	13.1	103%	90% - 110%																
Sn	7.1	7.2	102%	90% - 110%																
Sr	1191	1241	104%	90% - 110%																
Ta	0.9	0.7	81%	90% - 110%																
Tb	2.6	2.5	94%	90% - 110%																
Th	1.4	1.2	88%	90% - 110%																
Ti	0.172	0.173	101%	90% - 110%																
Tm	2.3	2.2	95%	90% - 110%																
U	0.8	0.8	103%	90% - 110%																
V	8	7	82%	90% - 110%																
Y	119	118	99%	90% - 110%																
Yb	14.8	15.4	104%	90% - 110%																
Zn	93	93.3	100%	90% - 110%	235	249	106%	90% - 110%												



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-130A
 SAMPLING SITE:

AGAT WORK ORDER: 18T342007
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T342007

PROJECT: DDH-130A

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-130B

AGAT WORK ORDER: 18T342008

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jul 04, 2018

PAGES (INCLUDING COVER): 41

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018 DATE RECEIVED: May 23, 2018 DATE REPORTED: Jul 04, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563437 (9263757)		3.38
E6563438 (9263758)		3.38
E6563439 (9263759)		2.12
E6563440 (9263760)		2.87
E6563441 (9263761)		2.39
E6563442 (9263762)		3.09
E6563443 (9263763)		2.83
E6563444 (9263764)		2.15
E6563445 (9263765)		1.51
E6563446 (9263766)		0.01
E6563447 (9263767)		1.25
E6563448 (9263768)		1.53
E6563449 (9263769)		3.66
E6563450 (9263770)		2.50
E6563451 (9263771)		2.54
E6563452 (9263772)		1.47
E6563453 (9263773)		2.92
E6563454 (9263774)		1.63
E6563455 (9263775)		1.42
E6563456 (9263776)		1.65
E6563457 (9263777)		1.28
E6563458 (9263778)		1.28
E6563459 (9263779)		2.87
E6563460 (9263780)		1.06
E6563461 (9263781)		2.61
E6563462 (9263782)		3.30
E6563463 (9263783)		1.26
E6563464 (9263784)		1.42
E6563465 (9263785)		1.65
E6563466 (9263786)		0.01
E6563467 (9263787)		1.60

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018 DATE RECEIVED: May 23, 2018 DATE REPORTED: Jul 04, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563468 (9263788)		2.78
E6563469 (9263789)		2.41
E6563470 (9263790)		3.13
E6563471 (9263791)		2.90
E6563472 (9263792)		1.54
E6563473 (9263793)		3.00
E6563474 (9263794)		2.74
E6563475 (9263795)		2.87
E6563476 (9263796)		2.53
E6563477 (9263797)		2.63
E6563478 (9263798)		2.63
E6563479 (9263799)		2.71
E6563480 (9263800)		3.53
E6563481 (9263801)		2.89
E6563482 (9263802)		3.51
E6563483 (9263803)		2.64
E6563484 (9263804)		2.91
E6563485 (9263805)		2.54
E6563486 (9263806)		0.01
E6563487 (9263807)		2.40
E6563488 (9263808)		2.50
E6563489 (9263809)		2.72
E6563490 (9263810)		2.49
E6563491 (9263811)		2.66
E6563492 (9263812)		1.18
E6563493 (9263813)		2.29
E6563494 (9263814)		2.62
E6563495 (9263815)		2.50
E6563496 (9263816)		2.45
E6563497 (9263817)		2.29
E6563498 (9263818)		1.14

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018 DATE RECEIVED: May 23, 2018 DATE REPORTED: Jul 04, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563499 (9263819)		2.43
E6563500 (9263820)		2.57
E6563501 (9263821)		2.58
E6563502 (9263822)		2.46
E6563503 (9263823)		2.24
E6563504 (9263824)		2.32
E6563505 (9263825)		2.02
E6563506 (9263826)		0.01
E6563507 (9263827)		1.48
E6563508 (9263828)		1.01
E6563509 (9263829)		1.98
E6563510 (9263830)		2.26
E6563511 (9263831)		2.53
E6563512 (9263832)		1.47
E6563513 (9263833)		2.10
E6563514 (9263834)		1.75
E6563515 (9263835)		2.40
E6563516 (9263836)		2.57
E6563517 (9263837)		1.73
E6563518 (9263838)		0.83
E6563519 (9263839)		1.46
E6563520 (9263840)		0.71
E6563521 (9263841)		1.24
E6563522 (9263842)		1.50
E6563523 (9263843)		0.01
E6563524 (9263844)		0.95
E6563525 (9263845)		1.26
E6563526 (9263846)		0.01
E6563527 (9263847)		1.27
E6563528 (9263848)		2.20
E6563529 (9263849)		2.45

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6563530 (9263850)		2.41
E6563531 (9263851)		0.65
E6563532 (9263852)		1.64
E6563533 (9263853)		0.90
E6563534 (9263854)		0.59
E6563535 (9263855)		2.42
E6563536 (9263856)		1.97
E6563537 (9263857)		2.30
E6563538 (9263858)		1.20
E6563539 (9263859)		2.35
E6563540 (9263860)		2.32
E6563541 (9263861)		2.27
E6563542 (9263862)		2.52
E6563543 (9263863)		2.47
E6563544 (9263864)		2.43
E6563545 (9263865)		2.50
E6563546 (9263866)		0.01
E6563547 (9263867)		2.84

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6563437 (9263757)	<1	7.51	<5	22	157	<5	0.5	8.72	<0.2	11.2	68.9	0.021	1.3	336
E6563438 (9263758)	2	7.32	<5	20	149	<5	0.5	8.44	<0.2	9.8	72.2	0.021	1.3	376
E6563439 (9263759)	<1	8.46	<5	<20	286	<5	0.4	7.02	<0.2	10.3	54.6	0.022	0.7	180
E6563440 (9263760)	3	7.95	<5	<20	281	<5	0.5	8.23	<0.2	10.0	52.1	0.023	0.5	259
E6563441 (9263761)	<1	8.11	<5	<20	308	<5	0.4	8.54	<0.2	10.2	41.2	0.021	0.4	148
E6563442 (9263762)	1	7.73	<5	<20	169	<5	0.4	7.76	0.2	9.4	52.3	0.021	0.2	216
E6563443 (9263763)	<1	8.30	<5	23	116	<5	0.6	6.08	<0.2	12.7	47.9	0.022	0.2	159
E6563444 (9263764)	<1	7.74	<5	39	123	<5	0.6	8.17	<0.2	10.9	57.0	0.023	0.2	138
E6563445 (9263765)	<1	7.35	<5	<20	366	<5	0.7	7.89	<0.2	12.1	70.3	0.019	0.5	371
E6563446 (9263766)	1	4.58	552	104	174	<5	8.2	3.95	<0.2	72.4	1020	0.006	2.8	2970
E6563447 (9263767)	1	7.52	10	<20	434	<5	0.5	6.79	0.4	21.5	123	0.022	0.4	871
E6563448 (9263768)	<1	5.82	<5	<20	225	<5	0.2	5.18	<0.2	70.5	35.8	0.037	0.6	45
E6563449 (9263769)	<1	5.77	5	<20	681	<5	0.2	5.53	<0.2	72.2	46.6	0.043	1.1	62
E6563450 (9263770)	<1	8.02	7	<20	465	<5	0.4	7.60	<0.2	13.2	69.5	0.022	0.6	201
E6563451 (9263771)	<1	7.60	<5	29	305	<5	0.3	7.99	<0.2	11.7	72.3	0.022	0.3	472
E6563452 (9263772)	<1	0.14	<5	<20	19.3	<5	<0.1	31.8	<0.2	1.1	1.8	<0.005	<0.1	12
E6563453 (9263773)	<1	7.81	<5	<20	549	<5	0.6	7.13	<0.2	16.2	74.6	0.023	0.5	181
E6563454 (9263774)	<1	5.94	7	<20	362	<5	0.2	5.74	<0.2	79.1	47.6	0.045	0.9	55
E6563455 (9263775)	<1	9.37	<5	<20	483	<5	0.2	6.44	<0.2	12.2	45.3	0.024	1.0	96
E6563456 (9263776)	<1	8.94	<5	<20	500	<5	0.2	5.43	<0.2	12.9	44.5	0.025	0.6	82
E6563457 (9263777)	<1	7.23	<5	23	312	<5	<0.1	5.64	<0.2	42.5	30.9	0.040	0.4	16
E6563458 (9263778)	<1	7.12	<5	23	308	<5	<0.1	5.52	<0.2	42.1	30.7	0.040	0.4	15
E6563459 (9263779)	<1	6.83	<5	21	191	<5	<0.1	5.66	<0.2	43.8	29.7	0.042	0.3	10
E6563460 (9263780)	<1	6.67	<5	<20	395	<5	<0.1	7.97	<0.2	38.4	30.3	0.041	0.4	32
E6563461 (9263781)	<1	7.47	<5	<20	133	<5	0.2	8.06	<0.2	10.9	90.5	0.020	1.4	421
E6563462 (9263782)	<1	7.02	15	<20	211	<5	0.5	7.37	<0.2	12.5	73.1	0.021	3.3	702
E6563463 (9263783)	<1	6.26	<5	<20	426	<5	0.1	5.23	<0.2	77.4	39.3	0.028	1.2	78
E6563464 (9263784)	<1	6.21	<5	<20	157	<5	0.3	5.44	<0.2	75.0	41.8	0.033	1.0	42
E6563465 (9263785)	<1	8.12	<5	<20	611	<5	0.2	5.28	0.2	18.3	32.9	0.023	0.7	306
E6563466 (9263786)	<1	4.60	539	98	166	<5	8.2	3.87	<0.2	71.6	995	0.006	2.8	2770
E6563467 (9263787)	<1	8.21	<5	27	347	<5	0.8	7.30	<0.2	11.1	56.2	0.023	0.8	319
E6563468 (9263788)	<1	7.81	<5	20	334	<5	0.4	8.37	<0.2	9.9	58.4	0.024	1.0	263

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Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6563469 (9263789)	<1	8.71	<5	23	314	<5	0.1	7.29	<0.2	10.7	54.8	0.024	0.7	186	
E6563470 (9263790)	<1	8.40	<5	<20	184	<5	0.1	7.21	<0.2	10.8	54.4	0.027	1.8	154	
E6563471 (9263791)	<1	9.39	<5	24	137	<5	0.1	8.15	<0.2	9.8	51.4	0.024	0.7	149	
E6563472 (9263792)	<1	0.08	<5	<20	14.8	<5	<0.1	33.1	<0.2	1.0	1.1	<0.005	<0.1	8	
E6563473 (9263793)	1	7.39	<5	<20	95.1	<5	0.1	8.31	<0.2	12.5	65.3	0.025	3.8	344	
E6563474 (9263794)	<1	9.00	<5	<20	162	<5	<0.1	7.58	<0.2	10.2	54.8	0.027	0.4	152	
E6563475 (9263795)	1	8.96	<5	<20	181	<5	<0.1	6.17	<0.2	10.8	60.5	0.026	0.8	174	
E6563476 (9263796)	<1	8.72	<5	<20	170	<5	0.1	7.59	<0.2	10.3	57.8	0.026	0.8	184	
E6563477 (9263797)	<1	8.20	<5	21	83.2	<5	0.2	8.80	<0.2	10.4	63.9	0.024	0.9	300	
E6563478 (9263798)	<1	7.80	<5	20	80.3	<5	0.2	8.50	<0.2	10.1	63.3	0.022	0.7	311	
E6563479 (9263799)	<1	6.71	<5	<20	66.1	<5	0.2	7.57	<0.2	12.7	111	0.020	2.7	321	
E6563480 (9263800)	<1	7.94	<5	<20	105	<5	0.2	7.79	<0.2	9.9	56.8	0.022	2.9	229	
E6563481 (9263801)	1	7.30	<5	<20	93.4	<5	0.2	7.93	<0.2	9.2	61.4	0.021	4.2	293	
E6563482 (9263802)	2	7.28	<5	<20	133	<5	0.2	8.08	<0.2	9.7	69.5	0.020	2.5	370	
E6563483 (9263803)	<1	7.26	<5	<20	117	<5	0.4	8.13	<0.2	9.0	60.6	0.022	1.7	275	
E6563484 (9263804)	<1	7.67	<5	<20	171	<5	0.6	6.65	<0.2	10.1	63.6	0.022	1.9	321	
E6563485 (9263805)	<1	7.91	<5	<20	200	<5	0.4	5.70	<0.2	10.9	53.1	0.020	0.9	343	
E6563486 (9263806)	<1	4.68	541	99	168	<5	8.3	3.94	<0.2	72.3	990	0.006	2.7	2760	
E6563487 (9263807)	<1	8.27	<5	25	231	<5	0.6	6.80	<0.2	10.5	51.9	0.022	0.8	518	
E6563488 (9263808)	1	7.90	134	22	293	<5	5.3	6.90	0.2	29.0	64.7	0.019	0.8	894	
E6563489 (9263809)	<1	7.48	26	<20	221	<5	1.0	8.08	<0.2	12.8	63.2	0.021	0.4	357	
E6563490 (9263810)	<1	7.79	35	<20	306	<5	0.9	7.28	<0.2	11.8	65.0	0.020	0.5	289	
E6563491 (9263811)	<1	8.04	7	<20	326	<5	0.3	6.40	<0.2	17.8	35.8	0.022	0.4	104	
E6563492 (9263812)	<1	0.07	<5	<20	19.8	<5	<0.1	31.8	<0.2	1.0	1.2	<0.005	<0.1	6	
E6563493 (9263813)	<1	6.02	22	<20	109	<5	1.4	5.07	<0.2	110	101	0.030	0.5	433	
E6563494 (9263814)	<1	7.29	<5	32	344	<5	0.5	8.15	<0.2	24.4	60.8	0.026	0.3	225	
E6563495 (9263815)	<1	8.17	<5	<20	352	<5	0.3	6.07	<0.2	14.1	47.0	0.022	0.4	192	
E6563496 (9263816)	<1	7.81	<5	<20	417	<5	0.3	7.63	<0.2	11.2	53.1	0.023	0.3	80	
E6563497 (9263817)	<1	8.12	<5	<20	208	<5	0.2	8.42	<0.2	10.3	60.1	0.023	0.6	145	
E6563498 (9263818)	1	8.17	<5	<20	197	<5	0.2	8.40	<0.2	10.7	65.6	0.025	0.6	169	
E6563499 (9263819)	<1	8.04	<5	24	212	<5	0.2	8.09	<0.2	9.9	68.1	0.022	0.6	139	
E6563500 (9263820)	<1	8.38	<5	23	183	<5	<0.1	7.30	<0.2	10.0	56.5	0.025	0.4	106	

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AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6563501 (9263821)	<1	8.02	<5	<20	212	<5	0.2	7.89	<0.2	11.7	58.8	0.023	0.5	156	
E6563502 (9263822)	<1	7.96	<5	<20	204	<5	0.1	8.81	<0.2	9.9	67.1	0.026	0.4	178	
E6563503 (9263823)	<1	7.54	<5	25	316	<5	0.3	8.44	<0.2	9.6	71.6	0.028	0.7	291	
E6563504 (9263824)	<1	8.26	9	23	262	<5	0.3	9.01	0.7	9.8	54.8	0.025	0.5	98	
E6563505 (9263825)	<1	6.91	8	21	443	<5	1.6	7.26	<0.2	15.7	87.7	0.025	2.3	527	
E6563506 (9263826)	<1	4.54	532	96	163	<5	8.0	3.90	<0.2	70.0	978	0.006	2.7	2760	
E6563507 (9263827)	<1	4.25	21	<20	138	<5	0.8	6.44	<0.2	29.2	58.8	0.112	2.2	41	
E6563508 (9263828)	<1	4.76	10	<20	304	<5	<0.1	4.67	<0.2	20.5	52.9	0.124	6.8	18	
E6563509 (9263829)	<1	4.77	<5	<20	413	<5	<0.1	4.52	<0.2	23.2	54.2	0.125	7.2	38	
E6563510 (9263830)	<1	4.77	13	<20	274	<5	0.1	5.28	0.7	24.2	57.8	0.111	3.1	85	
E6563511 (9263831)	<1	4.77	13	<20	140	<5	0.1	5.28	<0.2	24.4	50.6	0.122	2.0	111	
E6563512 (9263832)	<1	0.07	<5	<20	16.2	<5	<0.1	35.0	<0.2	1.3	1.5	<0.005	<0.1	7	
E6563513 (9263833)	<1	4.82	18	<20	430	<5	0.1	5.17	0.3	22.4	49.0	0.128	4.4	29	
E6563514 (9263834)	<1	4.85	42	<20	745	<5	0.1	5.62	<0.2	21.9	47.2	0.128	5.4	30	
E6563515 (9263835)	2	8.05	<5	<20	445	<5	0.3	8.94	<0.2	10.1	48.0	0.030	1.0	144	
E6563516 (9263836)	2	7.97	<5	25	541	<5	0.2	6.88	<0.2	9.6	50.1	0.023	1.8	163	
E6563517 (9263837)	10	7.61	<5	28	511	<5	0.4	6.62	<0.2	11.2	59.3	0.021	1.2	718	
E6563518 (9263838)	10	7.65	8	30	601	<5	0.5	6.18	<0.2	12.0	65.2	0.019	1.1	644	
E6563519 (9263839)	33	7.29	66	27	633	<5	3.1	4.63	0.2	13.9	57.0	0.019	2.1	473	
E6563520 (9263840)	514	7.28	609	<20	550	<5	10.1	3.68	1.2	16.9	57.7	0.019	0.7	2170	
E6563521 (9263841)	1050	5.01	4650	<20	40.0	<5	177	12.8	0.6	51.2	244	0.013	0.6	4650	
E6563522 (9263842)	<1	0.06	<5	<20	10.5	<5	0.3	28.0	<0.2	0.9	1.7	<0.005	<0.1	20	
E6563523 (9263843)	107	3.49	123000	<20	2.8	<5	1100	11.1	0.6	31.3	37400	0.028	0.9	73	
E6563524 (9263844)	832	7.61	498	24	667	<5	16.0	5.16	1.3	15.8	97.0	0.019	0.9	3710	
E6563525 (9263845)	1	0.06	<5	<20	13.3	<5	0.5	30.3	<0.2	1.0	1.9	<0.005	<0.1	22	
E6563526 (9263846)	<1	4.79	543	103	172	<5	8.5	4.07	<0.2	69.5	1020	0.006	2.8	2880	
E6563527 (9263847)	63	8.24	92	26	468	<5	5.6	6.21	<0.2	10.6	78.6	0.021	2.2	718	
E6563528 (9263848)	43	9.54	14	23	390	<5	1.0	4.82	<0.2	10.2	64.1	0.023	3.5	495	
E6563529 (9263849)	5	8.90	<5	26	407	<5	0.4	4.49	<0.2	10.7	72.0	0.025	4.0	215	
E6563530 (9263850)	3	9.53	13	24	374	<5	0.2	5.67	<0.2	11.0	53.2	0.025	3.8	197	
E6563531 (9263851)	5	7.54	57	<20	292	<5	0.8	7.93	0.3	16.9	76.6	0.022	1.1	376	
E6563532 (9263852)	<1	0.06	<5	<20	13.6	<5	<0.1	32.3	<0.2	1.0	1.3	<0.005	<0.1	18	

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5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6563533 (9263853)	1	7.88	13	<20	417	<5	0.3	3.50	<0.2	41.7	24.6	0.036	1.2	46	
E6563534 (9263854)	3	8.09	22	<20	368	<5	1.0	8.37	<0.2	16.3	50.2	0.022	0.5	308	
E6563535 (9263855)	6	8.13	110	<20	422	<5	1.5	5.83	0.9	15.4	80.6	0.021	0.8	411	
E6563536 (9263856)	5	8.17	106	<20	255	<5	1.6	7.09	0.4	28.8	91.6	0.022	1.1	462	
E6563537 (9263857)	2	8.30	25	<20	413	<5	0.3	5.41	1.0	9.5	51.1	0.020	1.4	179	
E6563538 (9263858)	2	9.69	21	<20	455	<5	0.2	6.41	1.1	9.5	49.5	0.023	1.3	305	
E6563539 (9263859)	<1	8.74	23	<20	545	<5	0.2	5.86	<0.2	10.2	48.5	0.024	0.7	66	
E6563540 (9263860)	<1	8.84	<5	<20	269	<5	0.2	6.64	<0.2	10.1	65.3	0.022	0.7	173	
E6563541 (9263861)	1	8.47	<5	<20	280	<5	0.2	7.05	<0.2	10.2	74.2	0.022	1.0	516	
E6563542 (9263862)	1	7.51	<5	<20	321	<5	0.5	7.40	<0.2	10.4	99.4	0.019	0.7	736	
E6563543 (9263863)	<1	8.31	<5	<20	201	<5	0.2	7.16	<0.2	10.0	62.8	0.022	0.6	285	
E6563544 (9263864)	<1	8.14	<5	<20	159	<5	0.2	7.77	<0.2	10.0	67.3	0.021	0.4	166	
E6563545 (9263865)	<1	8.21	<5	<20	147	<5	0.1	7.65	<0.2	10.4	70.8	0.021	0.4	100	
E6563546 (9263866)	<1	4.62	554	99	168	<5	8.3	3.95	<0.2	72.6	1020	0.006	2.8	2850	
E6563547 (9263867)	<1	8.20	<5	<20	139	<5	0.3	5.93	<0.2	9.7	63.1	0.020	0.5	111	

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TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6563437 (9263757)	4.14	2.80	0.89	11.7	17.4	3.33	2	2	0.91	<0.2	0.59	4.4	12	0.42
E6563438 (9263758)	3.90	2.70	0.96	11.4	17.0	3.27	2	2	0.90	<0.2	0.57	3.9	11	0.44
E6563439 (9263759)	3.77	2.49	0.94	8.02	18.1	3.33	2	2	0.80	<0.2	0.89	4.1	12	0.36
E6563440 (9263760)	3.82	2.52	0.82	9.83	18.1	3.19	2	2	0.84	<0.2	0.83	3.9	<10	0.37
E6563441 (9263761)	4.08	2.66	0.92	9.73	19.7	3.49	2	2	0.89	<0.2	0.81	4.0	<10	0.40
E6563442 (9263762)	3.76	2.51	0.91	10.0	18.5	3.14	2	2	0.83	<0.2	0.60	3.8	<10	0.36
E6563443 (9263763)	3.99	2.48	1.11	7.83	19.1	3.47	2	2	0.85	<0.2	0.35	5.4	<10	0.36
E6563444 (9263764)	3.90	2.67	1.02	10.2	19.2	3.26	2	2	0.85	<0.2	0.43	4.6	<10	0.39
E6563445 (9263765)	4.18	2.85	1.02	12.2	18.0	3.44	2	2	0.96	<0.2	0.73	5.4	12	0.48
E6563446 (9263766)	3.26	1.98	0.89	3.27	11.7	4.38	2	4	0.66	0.2	3.20	35.5	<10	0.31
E6563447 (9263767)	4.22	2.85	1.39	10.2	19.9	3.80	2	2	0.90	<0.2	0.79	10.4	11	0.42
E6563448 (9263768)	4.18	1.97	1.99	8.68	15.5	7.00	1	4	0.75	<0.2	0.63	30.7	25	0.24
E6563449 (9263769)	4.07	1.87	2.14	7.09	16.2	7.05	1	4	0.69	<0.2	1.12	31.5	31	0.24
E6563450 (9263770)	3.84	2.42	0.98	9.11	18.0	3.40	2	2	0.82	<0.2	1.27	5.7	<10	0.36
E6563451 (9263771)	3.87	2.64	0.86	9.95	17.9	3.37	2	2	0.84	<0.2	1.03	5.0	<10	0.43
E6563452 (9263772)	0.28	0.23	<0.05	0.21	0.43	0.31	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05
E6563453 (9263773)	4.03	2.51	0.95	10.2	17.0	3.39	2	2	0.87	<0.2	1.28	7.2	<10	0.42
E6563454 (9263774)	4.56	2.08	2.34	7.52	16.7	7.78	2	4	0.80	<0.2	0.57	33.8	28	0.24
E6563455 (9263775)	3.83	2.52	0.97	6.12	20.2	3.44	1	2	0.85	<0.2	1.09	5.3	13	0.35
E6563456 (9263776)	3.75	2.37	1.00	5.08	19.1	3.32	1	2	0.82	<0.2	1.24	5.4	12	0.36
E6563457 (9263777)	3.31	1.87	1.23	5.67	16.9	4.37	1	3	0.61	<0.2	1.18	19.4	14	0.26
E6563458 (9263778)	3.16	1.78	1.24	5.54	17.1	4.07	1	3	0.65	<0.2	1.15	19.4	17	0.26
E6563459 (9263779)	3.13	1.74	1.21	5.46	15.9	4.24	1	3	0.65	<0.2	0.88	19.7	15	0.26
E6563460 (9263780)	2.94	1.76	1.06	6.24	14.2	4.01	2	3	0.63	<0.2	1.25	17.6	11	0.25
E6563461 (9263781)	4.12	2.71	0.85	13.0	17.4	3.47	2	2	0.92	<0.2	0.49	4.4	12	0.42
E6563462 (9263782)	4.30	2.80	1.17	11.9	18.4	3.64	2	2	0.91	<0.2	0.80	5.1	18	0.40
E6563463 (9263783)	4.64	2.06	2.45	7.18	18.5	8.09	1	4	0.84	<0.2	0.75	33.1	28	0.25
E6563464 (9263784)	4.51	2.06	2.27	8.23	18.2	7.89	2	4	0.83	<0.2	0.39	31.3	29	0.26
E6563465 (9263785)	3.58	2.30	0.95	7.45	18.0	3.51	2	2	0.73	<0.2	2.00	7.8	13	0.32
E6563466 (9263786)	3.30	1.84	0.90	3.28	11.4	4.24	2	4	0.64	0.2	3.27	35.3	<10	0.29
E6563467 (9263787)	3.95	2.61	0.87	10.3	17.9	3.35	2	2	0.85	<0.2	0.86	4.5	11	0.41
E6563468 (9263788)	3.78	2.53	0.77	11.9	17.6	3.35	2	2	0.84	<0.2	0.95	4.1	10	0.42

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6563469 (9263789)	3.92	2.49	0.91	8.35	18.6	3.28	2	2	0.85	<0.2	1.12	4.2	12	0.39
E6563470 (9263790)	3.78	2.47	0.92	9.15	17.6	3.35	2	2	0.82	<0.2	0.78	4.2	15	0.38
E6563471 (9263791)	3.64	2.33	0.84	9.54	18.1	3.18	2	2	0.79	<0.2	0.55	3.8	13	0.33
E6563472 (9263792)	0.23	0.14	<0.05	0.12	0.22	0.23	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05
E6563473 (9263793)	4.01	2.71	0.99	12.8	17.4	3.49	2	2	0.86	<0.2	0.74	5.0	19	0.42
E6563474 (9263794)	4.04	2.75	0.88	8.16	18.5	3.36	2	2	0.88	<0.2	0.52	3.9	<10	0.38
E6563475 (9263795)	3.86	2.33	0.82	7.52	18.9	3.44	1	2	0.81	<0.2	0.49	4.1	13	0.36
E6563476 (9263796)	4.12	2.73	0.83	9.62	18.1	3.34	2	2	0.92	<0.2	0.48	4.0	12	0.41
E6563477 (9263797)	4.05	2.86	1.01	12.7	17.6	3.46	2	2	0.98	<0.2	0.38	4.1	12	0.47
E6563478 (9263798)	4.18	2.71	1.05	12.3	17.3	3.33	2	2	0.93	<0.2	0.36	4.1	11	0.45
E6563479 (9263799)	4.61	2.98	1.10	14.7	16.6	3.95	2	1	1.02	<0.2	0.55	5.2	18	0.42
E6563480 (9263800)	3.77	2.61	0.86	11.1	17.2	3.26	2	2	0.86	<0.2	0.67	3.9	18	0.43
E6563481 (9263801)	3.80	2.60	1.02	12.7	16.8	3.12	2	2	0.84	<0.2	0.64	3.6	20	0.43
E6563482 (9263802)	3.96	2.69	0.94	12.6	16.3	3.17	2	2	0.89	<0.2	0.63	3.8	16	0.43
E6563483 (9263803)	3.74	2.53	1.08	12.3	16.4	3.07	2	2	0.80	<0.2	0.54	3.5	14	0.41
E6563484 (9263804)	4.01	2.77	0.96	11.0	17.5	3.30	2	2	0.89	<0.2	0.82	4.0	17	0.42
E6563485 (9263805)	4.04	2.61	1.13	10.1	17.2	3.40	2	2	0.92	<0.2	0.90	4.5	19	0.42
E6563486 (9263806)	3.16	1.98	0.98	3.31	11.3	4.48	2	5	0.72	0.2	3.33	35.6	10	0.30
E6563487 (9263807)	4.19	2.71	1.09	8.76	17.6	3.31	1	2	0.92	<0.2	0.96	4.2	14	0.40
E6563488 (9263808)	4.40	2.86	1.65	10.1	17.9	4.53	2	2	0.99	0.2	1.09	16.6	24	0.43
E6563489 (9263809)	4.22	2.58	1.24	11.0	16.7	3.56	2	2	0.91	<0.2	0.76	6.0	11	0.41
E6563490 (9263810)	3.89	2.54	0.98	9.80	16.9	3.29	2	2	0.84	<0.2	0.88	5.1	12	0.38
E6563491 (9263811)	3.96	2.56	1.35	7.85	17.7	3.57	2	2	0.84	<0.2	0.96	8.6	11	0.36
E6563492 (9263812)	0.24	0.15	<0.05	0.11	0.21	0.24	<1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05
E6563493 (9263813)	5.37	2.58	2.63	12.4	15.7	8.91	2	3	1.00	<0.2	0.43	49.8	24	0.39
E6563494 (9263814)	4.04	2.53	1.18	9.56	16.6	3.92	2	2	0.87	<0.2	1.00	11.0	<10	0.41
E6563495 (9263815)	3.94	2.44	1.04	7.43	16.3	3.59	2	2	0.86	<0.2	1.12	5.9	<10	0.35
E6563496 (9263816)	4.00	2.68	1.00	9.28	17.3	3.53	2	2	0.89	<0.2	1.16	4.7	<10	0.41
E6563497 (9263817)	4.22	2.89	0.97	10.0	18.1	3.40	2	2	0.93	<0.2	0.82	4.0	<10	0.41
E6563498 (9263818)	4.32	2.84	0.96	9.74	18.2	3.44	2	2	0.95	<0.2	0.75	4.1	11	0.42
E6563499 (9263819)	4.09	2.81	0.92	10.1	17.6	3.31	2	2	0.91	<0.2	0.84	3.7	<10	0.43
E6563500 (9263820)	4.13	2.66	0.87	8.98	18.0	3.38	2	2	0.89	<0.2	0.85	3.8	<10	0.40

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6563501 (9263821)	4.14	2.76	1.05	9.97	17.7	3.39	2	2	0.94	<0.2	0.83	5.0	<10	0.43
E6563502 (9263822)	4.17	2.91	0.91	10.2	17.9	3.43	2	2	0.91	<0.2	0.72	3.8	<10	0.41
E6563503 (9263823)	3.77	2.58	0.88	10.1	16.8	3.13	2	2	0.81	<0.2	0.94	3.8	<10	0.41
E6563504 (9263824)	4.15	2.71	0.96	8.99	17.7	3.37	2	2	0.90	<0.2	0.89	3.8	<10	0.42
E6563505 (9263825)	3.96	2.77	1.53	12.9	15.7	3.61	2	2	0.93	<0.2	1.14	8.2	19	0.43
E6563506 (9263826)	3.25	1.96	0.85	3.27	11.1	4.17	1	4	0.66	0.2	3.26	34.7	10	0.27
E6563507 (9263827)	2.64	1.51	0.86	7.36	12.0	3.66	2	2	0.53	<0.2	0.52	12.9	50	0.19
E6563508 (9263828)	2.14	1.27	0.75	6.34	10.9	2.81	1	2	0.44	<0.2	1.72	8.3	56	0.18
E6563509 (9263829)	2.20	1.19	0.76	6.15	10.7	2.89	1	2	0.46	<0.2	1.95	10.4	55	0.17
E6563510 (9263830)	2.30	1.28	0.80	6.21	10.5	2.75	1	2	0.45	<0.2	0.77	11.3	44	0.20
E6563511 (9263831)	2.18	1.31	0.81	6.52	11.8	3.11	1	2	0.45	<0.2	0.48	10.4	49	0.19
E6563512 (9263832)	0.23	0.16	<0.05	0.12	0.18	0.22	<1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05
E6563513 (9263833)	1.97	1.20	0.68	6.50	10.6	2.65	1	2	0.41	<0.2	1.27	9.8	57	0.18
E6563514 (9263834)	2.15	1.20	0.64	6.31	10.7	2.76	1	2	0.44	<0.2	1.73	9.9	62	0.19
E6563515 (9263835)	4.00	2.63	0.98	8.79	17.0	3.26	2	2	0.86	<0.2	1.03	4.0	<10	0.36
E6563516 (9263836)	3.90	2.49	0.82	8.38	17.2	3.38	2	2	0.82	<0.2	1.57	3.8	16	0.38
E6563517 (9263837)	4.19	3.00	1.02	11.4	17.6	3.69	2	2	0.94	<0.2	1.61	4.7	17	0.47
E6563518 (9263838)	4.38	2.91	1.05	10.9	18.1	3.75	2	2	0.95	<0.2	1.74	5.1	17	0.41
E6563519 (9263839)	4.21	2.92	1.03	11.2	16.7	3.72	1	2	0.94	<0.2	2.03	6.3	24	0.42
E6563520 (9263840)	4.48	2.98	1.16	9.47	15.5	4.32	1	2	0.96	0.3	1.61	9.3	27	0.44
E6563521 (9263841)	9.78	5.04	0.37	10.2	14.1	12.7	2	1	1.91	0.9	0.23	19.2	38	0.61
E6563522 (9263842)	0.24	0.17	<0.05	0.11	0.21	0.23	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6563523 (9263843)	13.3	6.57	0.98	8.83	15.5	12.7	2	1	2.37	0.6	<0.05	12.0	34	0.67
E6563524 (9263844)	4.79	3.01	1.13	10.4	16.7	4.56	1	2	1.01	0.5	2.16	6.9	25	0.41
E6563525 (9263845)	0.19	0.15	<0.05	0.11	0.16	0.23	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6563526 (9263846)	3.32	1.96	0.88	3.46	11.7	4.20	2	5	0.68	0.2	3.42	34.6	<10	0.30
E6563527 (9263847)	4.26	2.80	0.85	12.0	17.2	3.56	1	2	0.95	<0.2	1.80	4.0	25	0.44
E6563528 (9263848)	3.73	2.42	0.73	8.57	19.1	3.11	1	2	0.82	<0.2	1.70	4.1	36	0.37
E6563529 (9263849)	3.47	2.32	0.79	7.35	18.2	3.16	1	2	0.78	<0.2	1.78	4.2	42	0.32
E6563530 (9263850)	3.88	2.62	0.74	8.96	19.1	3.30	2	2	0.84	<0.2	1.90	4.7	38	0.39
E6563531 (9263851)	4.05	2.73	1.07	12.3	17.2	3.37	2	2	0.87	0.2	1.11	8.0	18	0.42
E6563532 (9263852)	0.19	0.15	<0.05	0.10	0.15	0.22	<1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6563533 (9263853)		3.20	1.94	1.12	6.43	16.3	4.08	1	4	0.64	<0.2	0.98	18.8	31	0.33
E6563534 (9263854)		4.17	2.68	1.03	10.4	18.3	3.55	2	2	0.90	0.3	1.53	7.3	14	0.45
E6563535 (9263855)		4.25	2.85	1.00	8.87	17.5	3.70	2	2	0.92	0.3	1.49	7.2	26	0.44
E6563536 (9263856)		4.41	2.72	1.58	9.71	18.1	4.55	2	2	0.94	0.3	0.95	16.5	26	0.42
E6563537 (9263857)		3.83	2.32	0.80	7.68	17.1	3.12	2	2	0.82	<0.2	1.54	3.6	30	0.36
E6563538 (9263858)		3.84	2.48	0.87	9.07	18.0	3.23	2	2	0.88	<0.2	1.74	3.6	34	0.39
E6563539 (9263859)		3.85	2.45	0.91	7.94	17.0	3.26	1	2	0.87	<0.2	1.61	4.0	16	0.38
E6563540 (9263860)		3.81	2.57	0.90	9.43	17.1	3.23	1	2	0.84	<0.2	0.93	3.9	20	0.37
E6563541 (9263861)		3.99	2.53	0.89	10.9	17.5	3.51	1	2	0.89	<0.2	0.82	3.9	17	0.40
E6563542 (9263862)		4.22	2.92	1.02	14.0	16.0	3.52	2	2	0.92	<0.2	0.89	4.2	13	0.50
E6563543 (9263863)		4.13	2.84	0.88	10.6	17.4	3.46	2	2	0.92	<0.2	0.63	3.9	13	0.40
E6563544 (9263864)		4.05	2.71	0.91	11.6	17.0	3.46	2	2	0.89	<0.2	0.48	3.8	11	0.44
E6563545 (9263865)		4.11	2.70	0.90	10.0	17.5	3.36	2	2	0.94	<0.2	0.48	4.1	12	0.42
E6563546 (9263866)		3.21	1.97	0.91	3.34	11.8	4.34	2	5	0.65	0.2	3.10	35.7	<10	0.29
E6563547 (9263867)		3.79	2.55	0.90	10.0	17.7	3.10	2	2	0.83	<0.2	0.46	3.8	13	0.38

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018	DATE RECEIVED: May 23, 2018					DATE REPORTED: Jul 04, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563437 (9263757)	2.66	3170	9	2	8.3	97	0.04	12	1.66	32.9	1.51	0.4	42	20.3	
E6563438 (9263758)	2.76	3350	9	2	7.5	101	0.04	15	1.49	32.4	1.69	0.4	44	19.9	
E6563439 (9263759)	2.08	2200	6	3	7.7	84	0.04	9	1.53	45.8	0.71	0.3	43	22.4	
E6563440 (9263760)	2.24	2490	8	3	7.5	81	0.04	12	1.48	29.8	1.19	0.5	42	20.5	
E6563441 (9263761)	2.27	2520	7	3	8.0	79	0.04	15	1.52	27.4	0.86	0.6	44	20.1	
E6563442 (9263762)	2.16	2100	5	3	7.6	75	0.04	20	1.43	17.1	1.22	0.9	41	20.7	
E6563443 (9263763)	1.84	1710	4	3	9.1	64	0.05	19	1.80	11.4	1.03	1.2	42	21.7	
E6563444 (9263764)	2.51	2280	20	3	8.1	86	0.04	17	1.64	11.0	1.35	1.1	44	21.4	
E6563445 (9263765)	3.09	2900	7	3	8.4	96	0.03	16	1.73	22.0	1.35	1.0	45	19.5	
E6563446 (9263766)	2.55	454	12	9	31.2	161	0.07	15	8.29	111	1.63	1.7	7	25.6	
E6563447 (9263767)	2.95	2200	9	3	12.5	169	0.04	41	2.75	25.5	1.78	1.0	44	21.9	
E6563448 (9263768)	5.32	2090	3	7	39.5	229	0.24	10	9.18	16.7	0.11	0.3	19	22.7	
E6563449 (9263769)	6.07	1610	<2	7	40.5	279	0.26	77	9.41	32.4	0.10	0.4	20	22.9	
E6563450 (9263770)	2.28	2110	4	3	9.1	97	0.05	11	1.88	43.3	0.97	0.4	42	22.0	
E6563451 (9263771)	2.64	2190	4	3	8.3	110	0.05	11	1.67	29.1	1.06	0.6	42	21.2	
E6563452 (9263772)	2.64	92	<2	<1	0.9	<5	0.02	<5	0.22	0.4	<0.01	0.1	<5	4.33	
E6563453 (9263773)	2.89	2250	3	3	10.6	120	0.05	12	2.20	42.2	1.43	0.5	44	21.5	
E6563454 (9263774)	6.08	1670	<2	7	45.1	285	0.26	17	10.3	16.0	0.16	0.3	20	23.2	
E6563455 (9263775)	2.02	1740	3	3	8.5	74	0.06	11	1.76	44.8	0.45	0.2	44	24.7	
E6563456 (9263776)	1.81	1350	3	3	9.2	74	0.05	8	1.88	52.1	0.32	0.2	40	24.5	
E6563457 (9263777)	3.47	1250	2	4	23.0	94	0.12	11	5.37	38.6	0.01	<0.1	24	25.1	
E6563458 (9263778)	3.51	1250	3	4	22.3	95	0.12	8	5.32	37.6	<0.01	<0.1	24	24.5	
E6563459 (9263779)	3.63	1270	3	5	23.2	100	0.13	8	5.47	27.0	<0.01	<0.1	23	24.3	
E6563460 (9263780)	3.39	2130	2	4	20.7	94	0.11	7	4.90	48.6	0.12	0.1	24	23.2	
E6563461 (9263781)	2.35	2890	4	2	8.4	115	0.04	7	1.63	24.5	2.84	0.1	42	19.8	
E6563462 (9263782)	2.28	2530	5	2	9.0	98	0.04	7	1.80	50.6	2.41	0.3	39	21.0	
E6563463 (9263783)	4.84	1460	<2	8	45.2	176	0.27	8	10.1	23.4	0.17	0.2	21	21.8	
E6563464 (9263784)	5.37	1790	<2	8	43.9	209	0.26	11	10.0	16.0	0.37	0.5	21	21.9	
E6563465 (9263785)	2.56	1750	2	3	11.9	79	0.07	9	2.49	60.6	0.47	0.4	37	23.2	
E6563466 (9263786)	2.51	427	12	9	30.6	154	0.08	13	8.13	109	1.58	1.6	7	25.4	
E6563467 (9263787)	2.54	2600	4	3	8.3	91	0.05	10	1.63	30.7	1.63	0.4	46	21.8	
E6563468 (9263788)	2.43	2830	6	3	7.4	109	0.04	9	1.47	36.9	1.53	0.3	45	21.1	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6563469 (9263789)		2.08	2310	6	3	8.0	87	0.04	10	1.56	42.8	0.77	0.1	45	23.0
E6563470 (9263790)		2.41	2530	6	3	8.1	101	0.05	8	1.56	39.0	0.84	0.1	44	22.3
E6563471 (9263791)		2.67	2790	4	3	7.5	94	0.05	8	1.46	19.7	0.56	0.1	45	25.4
E6563472 (9263792)		2.80	55	<2	<1	0.9	<5	0.02	<5	0.19	0.3	<0.01	<0.1	<5	5.53
E6563473 (9263793)		3.05	3260	4	3	8.8	111	0.05	6	1.80	46.7	1.50	0.1	41	21.5
E6563474 (9263794)		2.08	2250	5	3	8.1	90	0.05	<5	1.55	17.1	0.73	<0.1	47	24.5
E6563475 (9263795)		2.01	2270	4	3	8.1	101	0.04	7	1.61	19.4	0.78	<0.1	44	24.7
E6563476 (9263796)		2.14	2610	6	3	8.3	107	0.04	8	1.56	19.3	1.17	0.1	47	23.5
E6563477 (9263797)		2.61	3210	7	3	7.9	108	0.04	8	1.56	14.8	1.79	0.2	44	22.5
E6563478 (9263798)		2.53	3180	7	2	7.6	109	0.04	9	1.48	14.0	1.82	<0.1	43	21.4
E6563479 (9263799)		2.50	3250	6	2	9.3	165	0.04	56	1.85	34.4	4.53	<0.1	39	20.0
E6563480 (9263800)		2.46	3040	6	3	7.3	105	0.04	7	1.44	39.0	1.06	<0.1	42	21.6
E6563481 (9263801)		2.72	3560	4	2	7.3	103	0.04	11	1.38	48.9	1.32	0.2	40	20.7
E6563482 (9263802)		2.50	3310	12	2	7.2	106	0.03	13	1.43	38.5	1.73	0.1	41	21.2
E6563483 (9263803)		2.75	3230	5	2	6.9	103	0.04	10	1.31	29.4	1.32	0.1	40	21.3
E6563484 (9263804)		2.60	2660	5	3	7.5	104	0.04	8	1.49	47.0	1.45	0.3	44	21.3
E6563485 (9263805)		2.53	2070	3	3	8.5	88	0.04	15	1.63	41.2	1.32	0.5	41	22.4
E6563486 (9263806)		2.57	429	12	9	31.8	156	0.07	21	8.30	109	1.56	1.6	7	26.9
E6563487 (9263807)		2.43	2050	3	3	8.1	93	0.05	21	1.62	44.9	1.10	0.5	43	22.6
E6563488 (9263808)		3.53	1940	4	3	15.9	88	0.04	27	3.58	44.1	0.78	1.3	42	21.5
E6563489 (9263809)		2.64	2210	7	2	9.0	103	0.04	13	1.81	29.9	1.44	0.5	43	22.0
E6563490 (9263810)		2.53	2190	7	2	8.5	102	0.04	11	1.72	35.7	1.14	0.7	43	21.7
E6563491 (9263811)		2.39	1610	5	3	11.5	82	0.04	17	2.45	31.1	0.47	0.9	41	22.6
E6563492 (9263812)		2.29	63	<2	<1	0.9	<5	0.02	<5	0.21	0.4	<0.01	<0.1	<5	3.48
E6563493 (9263813)		4.57	1930	3	7	57.1	144	0.21	40	13.9	12.4	2.45	2.5	32	20.0
E6563494 (9263814)		3.05	2110	10	3	14.7	99	0.07	13	3.26	32.6	1.09	1.1	42	21.2
E6563495 (9263815)		2.26	1550	6	3	9.9	58	0.05	11	2.03	33.8	0.55	0.8	41	23.4
E6563496 (9263816)		2.41	1990	9	3	8.5	82	0.04	11	1.69	34.0	0.62	0.7	43	21.7
E6563497 (9263817)		2.50	2360	16	3	8.2	97	0.04	7	1.61	36.2	0.68	0.6	44	21.9
E6563498 (9263818)		2.46	2360	22	3	8.2	99	0.04	8	1.53	33.2	0.79	0.6	45	21.8
E6563499 (9263819)		2.49	2460	10	3	7.6	96	0.04	8	1.45	35.9	0.77	0.4	43	22.3
E6563500 (9263820)		2.27	2220	7	3	8.0	94	0.04	7	1.54	38.7	0.55	0.2	44	23.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018	DATE RECEIVED: May 23, 2018					DATE REPORTED: Jul 04, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563501 (9263821)	2.55	2400	11	3	8.4	95	0.04	11	1.66	32.5	0.72	0.4	42	22.1	
E6563502 (9263822)	2.31	2380	9	3	7.8	90	0.04	9	1.52	26.0	0.90	0.6	43	22.7	
E6563503 (9263823)	2.41	2510	8	3	7.4	81	0.04	10	1.45	37.1	1.09	0.6	41	22.2	
E6563504 (9263824)	2.27	2270	8	3	7.9	91	0.04	17	1.47	35.5	0.65	0.6	43	22.9	
E6563505 (9263825)	2.74	2170	7	2	10.0	152	0.04	13	2.08	54.2	2.42	0.9	38	20.7	
E6563506 (9263826)	2.45	420	11	9	29.9	153	0.07	20	8.01	105	1.54	1.6	6	26.7	
E6563507 (9263827)	9.72	1620	<2	2	17.1	437	0.16	35	3.89	28.9	0.19	1.7	19	21.4	
E6563508 (9263828)	10.2	1250	<2	3	12.4	583	0.17	10	2.81	97.3	<0.01	0.9	20	22.0	
E6563509 (9263829)	10.0	1210	<2	3	13.2	574	0.18	12	3.01	103	<0.01	0.8	20	22.5	
E6563510 (9263830)	9.16	1350	<2	3	13.2	514	0.15	60	2.99	37.4	0.05	1.1	20	22.0	
E6563511 (9263831)	9.59	1330	<2	3	15.2	543	0.18	39	3.26	22.6	0.05	1.1	20	21.7	
E6563512 (9263832)	2.55	71	<2	<1	0.9	<5	0.01	8	0.23	0.5	<0.01	<0.1	<5	3.16	
E6563513 (9263833)	9.93	1400	<2	3	12.6	591	0.19	135	2.88	60.2	<0.01	1.2	20	22.4	
E6563514 (9263834)	9.77	1520	<2	3	12.4	578	0.18	180	2.85	78.9	0.01	3.9	21	21.8	
E6563515 (9263835)	2.22	2150	9	3	7.9	96	0.04	15	1.51	38.2	0.56	3.5	43	22.1	
E6563516 (9263836)	2.16	2280	10	3	7.5	92	0.05	14	1.44	68.8	0.66	3.7	41	23.0	
E6563517 (9263837)	2.38	2660	5	3	8.7	87	0.05	21	1.65	63.6	1.39	7.1	44	21.2	
E6563518 (9263838)	2.38	2590	5	3	9.2	88	0.04	20	1.72	68.1	1.35	8.4	45	21.3	
E6563519 (9263839)	2.90	2610	5	3	9.2	89	0.04	144	1.91	75.6	1.60	30.1	39	20.6	
E6563520 (9263840)	3.13	2490	2	3	11.5	82	0.05	813	2.30	52.5	0.84	450	43	21.9	
E6563521 (9263841)	3.74	3400	14	2	36.8	69	0.03	199	7.50	8.2	0.73	940	28	12.8	
E6563522 (9263842)	2.96	57	<2	<1	0.9	<5	0.01	7	0.19	0.3	<0.01	0.7	<5	5.20	
E6563523 (9263843)	3.81	2350	190	1	24.9	4950	0.05	10	4.78	2.2	1.97	171	19	8.78	
E6563524 (9263844)	2.84	2530	3	3	11.0	101	0.04	390	2.22	75.0	1.05	146	44	20.1	
E6563525 (9263845)	2.62	63	<2	<1	0.8	<5	0.02	8	0.20	0.5	<0.01	0.4	<5	5.33	
E6563526 (9263846)	2.61	440	12	9	30.3	165	0.08	16	8.01	109	1.64	1.6	7	27.8	
E6563527 (9263847)	2.60	2510	3	3	8.4	130	0.04	43	1.58	77.2	1.95	38.8	45	21.8	
E6563528 (9263848)	2.13	1900	4	3	7.7	120	0.05	89	1.53	76.7	0.85	14.9	44	23.9	
E6563529 (9263849)	1.84	1550	6	3	8.1	106	0.05	70	1.55	91.3	1.09	6.7	38	26.1	
E6563530 (9263850)	2.16	2060	5	3	8.3	99	0.05	26	1.64	81.4	0.76	6.1	43	25.6	
E6563531 (9263851)	2.66	2420	6	3	9.8	224	0.04	433	2.18	46.9	3.04	9.3	40	21.9	
E6563532 (9263852)	1.95	55	<2	<1	0.9	<5	0.01	5	0.20	0.4	<0.01	0.1	<5	3.80	

Certified By:



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PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
		0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6563533 (9263853)		3.05	1490	3	5	21.0	74	0.17	98	5.12	39.5	0.18	2.4	17	26.0
E6563534 (9263854)		2.48	2180	3	3	10.0	85	0.03	87	2.10	54.0	1.14	10.9	40	22.2
E6563535 (9263855)		2.35	1970	8	3	9.7	96	0.05	196	2.04	55.7	0.88	10.4	42	22.0
E6563536 (9263856)		2.33	2840	4	3	15.3	104	0.04	292	3.45	34.1	0.92	10.8	39	23.1
E6563537 (9263857)		2.13	1940	4	3	7.3	99	0.04	376	1.39	65.5	0.55	6.4	40	22.9
E6563538 (9263858)		2.28	2220	4	3	7.4	118	0.04	363	1.44	65.3	0.64	6.1	46	27.4
E6563539 (9263859)		2.20	1890	4	3	7.9	105	0.05	30	1.50	57.3	0.34	5.7	44	25.4
E6563540 (9263860)		2.47	2200	4	3	7.7	115	0.04	16	1.55	34.8	0.66	1.8	43	24.8
E6563541 (9263861)		2.45	2370	3	3	7.6	116	0.04	9	1.49	34.8	1.31	1.6	43	22.7
E6563542 (9263862)		2.74	2740	4	2	8.0	137	0.04	12	1.52	33.7	3.30	1.8	43	20.4
E6563543 (9263863)		2.80	2670	2	3	8.0	113	0.05	6	1.53	25.5	0.96	0.8	46	21.8
E6563544 (9263864)		2.97	2710	2	3	7.8	126	0.04	<5	1.52	15.5	0.75	0.4	47	21.5
E6563545 (9263865)		2.78	2280	2	3	8.0	117	0.04	<5	1.53	16.3	0.56	0.4	43	21.6
E6563546 (9263866)		2.54	427	12	9	31.7	160	0.08	14	8.30	109	1.64	1.7	7	25.6
E6563547 (9263867)		2.63	1900	<2	3	7.4	110	0.05	6	1.46	16.4	0.76	0.8	41	22.3

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563437 (9263757)	2.6	<1	173	<0.5	0.58	0.5	0.58	<0.5	0.42	0.14	288	7	23.4	2.8
E6563438 (9263758)	2.3	<1	178	<0.5	0.59	0.4	0.58	<0.5	0.41	0.13	297	7	22.8	2.7
E6563439 (9263759)	2.4	<1	188	<0.5	0.55	0.4	0.66	<0.5	0.35	0.16	288	2	21.8	2.3
E6563440 (9263760)	2.4	<1	235	<0.5	0.56	0.4	0.62	<0.5	0.36	0.14	278	5	21.7	2.5
E6563441 (9263761)	2.5	<1	273	<0.5	0.61	0.4	0.62	<0.5	0.38	0.17	289	3	23.7	2.6
E6563442 (9263762)	2.4	<1	250	<0.5	0.57	0.4	0.60	<0.5	0.36	0.13	276	3	22.4	2.5
E6563443 (9263763)	2.7	<1	277	<0.5	0.60	0.5	0.64	<0.5	0.36	0.19	275	2	22.3	2.4
E6563444 (9263764)	2.5	<1	292	<0.5	0.58	0.4	0.61	<0.5	0.39	0.18	286	3	23.2	2.7
E6563445 (9263765)	2.4	<1	225	<0.5	0.61	0.4	0.57	<0.5	0.42	0.19	306	3	24.6	2.9
E6563446 (9263766)	5.4	1	31.1	0.7	0.61	11.1	0.24	0.7	0.29	6.67	55	4	18.0	2.0
E6563447 (9263767)	3.0	<1	265	<0.5	0.63	0.5	0.60	<0.5	0.43	0.35	283	3	24.2	2.7
E6563448 (9263768)	8.1	<1	219	<0.5	0.90	3.4	0.61	<0.5	0.26	1.02	145	2	19.7	1.5
E6563449 (9263769)	8.3	<1	477	<0.5	0.90	3.4	0.64	<0.5	0.25	1.04	149	1	19.4	1.5
E6563450 (9263770)	2.8	<1	251	<0.5	0.60	0.6	0.63	<0.5	0.34	0.25	288	2	21.9	2.5
E6563451 (9263771)	2.5	<1	269	<0.5	0.57	0.5	0.59	<0.5	0.39	0.19	290	2	22.4	2.6
E6563452 (9263772)	0.2	<1	54.9	<0.5	<0.05	<0.1	0.01	<0.5	<0.05	0.11	<5	<1	2.6	0.2
E6563453 (9263773)	2.6	<1	254	<0.5	0.58	0.7	0.61	<0.5	0.37	0.25	292	2	22.4	2.6
E6563454 (9263774)	9.0	1	330	<0.5	0.98	3.7	0.64	<0.5	0.27	1.11	150	1	20.9	1.8
E6563455 (9263775)	2.6	<1	267	<0.5	0.56	0.5	0.74	<0.5	0.34	0.42	296	2	21.8	2.3
E6563456 (9263776)	2.7	<1	244	<0.5	0.58	0.6	0.69	<0.5	0.35	0.25	271	3	20.4	2.3
E6563457 (9263777)	4.5	<1	394	<0.5	0.58	2.9	0.44	<0.5	0.25	0.85	172	<1	16.4	1.7
E6563458 (9263778)	4.5	<1	401	<0.5	0.60	3.2	0.43	<0.5	0.26	0.88	170	<1	16.7	1.7
E6563459 (9263779)	4.7	<1	399	<0.5	0.59	2.7	0.41	<0.5	0.24	0.82	166	<1	16.2	1.7
E6563460 (9263780)	4.2	<1	266	<0.5	0.56	2.5	0.42	<0.5	0.24	0.68	168	2	15.7	1.7
E6563461 (9263781)	2.6	<1	164	<0.5	0.61	0.4	0.55	<0.5	0.40	0.16	300	5	24.0	2.7
E6563462 (9263782)	2.7	<1	189	<0.5	0.62	0.4	0.52	0.5	0.41	0.14	283	2	24.6	2.5
E6563463 (9263783)	9.2	<1	341	<0.5	0.99	3.4	0.79	<0.5	0.28	0.92	161	1	21.9	1.8
E6563464 (9263784)	9.0	<1	206	<0.5	0.99	3.5	0.80	<0.5	0.29	0.89	162	2	21.9	1.8
E6563465 (9263785)	3.0	<1	212	<0.5	0.55	0.9	0.64	<0.5	0.32	0.26	246	3	19.5	2.2
E6563466 (9263786)	5.4	3	29.0	0.7	0.58	10.9	0.23	0.7	0.27	6.66	54	4	17.7	2.0
E6563467 (9263787)	2.5	<1	206	<0.5	0.59	0.5	0.63	<0.5	0.42	0.15	312	3	22.3	2.6
E6563468 (9263788)	2.3	<1	208	<0.5	0.56	0.4	0.59	<0.5	0.37	0.15	301	3	22.2	2.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563469 (9263789)	2.5	<1	183	<0.5	0.59	0.5	0.66	<0.5	0.39	0.14	294	2	22.2	2.4
E6563470 (9263790)	2.4	<1	171	<0.5	0.56	0.5	0.62	<0.5	0.36	0.16	287	2	21.7	2.5
E6563471 (9263791)	2.3	<1	172	<0.5	0.55	0.4	0.69	<0.5	0.34	0.15	307	4	20.2	2.3
E6563472 (9263792)	0.2	<1	52.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.15	<5	<1	2.2	0.1
E6563473 (9263793)	2.6	<1	163	<0.5	0.58	0.5	0.54	0.5	0.40	0.18	296	5	22.7	2.6
E6563474 (9263794)	2.6	<1	148	<0.5	0.60	0.4	0.68	<0.5	0.39	0.11	309	1	22.9	2.6
E6563475 (9263795)	2.4	<1	141	<0.5	0.57	0.4	0.68	<0.5	0.36	0.14	308	2	21.0	2.4
E6563476 (9263796)	2.5	1	131	<0.5	0.61	0.4	0.66	<0.5	0.41	0.14	307	2	22.5	2.7
E6563477 (9263797)	2.4	1	126	<0.5	0.63	0.4	0.61	<0.5	0.44	0.15	289	9	23.9	3.0
E6563478 (9263798)	2.5	<1	124	<0.5	0.60	0.4	0.58	<0.5	0.43	0.14	285	6	23.6	2.9
E6563479 (9263799)	2.9	<1	101	<0.5	0.68	0.3	0.49	0.9	0.43	0.12	286	11	26.8	2.7
E6563480 (9263800)	2.4	<1	124	<0.5	0.57	0.4	0.60	<0.5	0.40	0.12	285	3	22.3	2.6
E6563481 (9263801)	2.2	<1	124	<0.5	0.55	0.4	0.55	0.5	0.39	0.14	282	4	22.2	2.6
E6563482 (9263802)	2.2	<1	126	<0.5	0.55	0.4	0.55	<0.5	0.39	0.15	283	5	22.7	2.7
E6563483 (9263803)	2.2	<1	134	<0.5	0.52	0.4	0.55	<0.5	0.38	0.12	277	3	21.9	2.4
E6563484 (9263804)	2.4	<1	145	<0.5	0.60	0.4	0.58	<0.5	0.38	0.16	296	2	22.7	2.7
E6563485 (9263805)	2.6	<1	148	<0.5	0.62	0.4	0.60	<0.5	0.38	0.18	273	2	22.2	2.7
E6563486 (9263806)	5.8	<1	27.8	0.7	0.60	11.1	0.23	0.7	0.30	6.80	54	5	17.8	2.1
E6563487 (9263807)	2.6	<1	161	<0.5	0.61	0.4	0.62	<0.5	0.41	0.14	285	2	21.9	2.6
E6563488 (9263808)	3.9	<1	137	<0.5	0.74	0.4	0.61	<0.5	0.42	0.39	269	2	24.2	2.9
E6563489 (9263809)	2.7	<1	178	<0.5	0.60	0.4	0.57	<0.5	0.40	0.20	275	2	22.5	2.6
E6563490 (9263810)	2.5	<1	177	<0.5	0.59	0.4	0.58	<0.5	0.37	0.14	283	3	22.1	2.6
E6563491 (9263811)	3.1	<1	192	<0.5	0.63	0.6	0.60	<0.5	0.37	0.37	259	2	21.5	2.4
E6563492 (9263812)	0.2	<1	51.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.2	0.2
E6563493 (9263813)	10.6	<1	152	<0.5	1.12	6.6	0.46	<0.5	0.37	1.06	219	2	25.5	2.5
E6563494 (9263814)	3.5	<1	209	<0.5	0.65	1.2	0.56	<0.5	0.38	0.24	278	2	22.3	2.7
E6563495 (9263815)	2.9	<1	199	<0.5	0.61	0.6	0.62	<0.5	0.36	0.19	265	3	20.8	2.4
E6563496 (9263816)	2.7	<1	225	<0.5	0.60	0.4	0.61	<0.5	0.41	0.15	282	3	22.4	2.8
E6563497 (9263817)	2.6	<1	187	<0.5	0.65	0.4	0.61	<0.5	0.45	0.13	288	3	23.5	2.8
E6563498 (9263818)	2.6	<1	193	<0.5	0.61	0.4	0.61	<0.5	0.42	0.13	292	2	23.4	2.8
E6563499 (9263819)	2.4	<1	187	<0.5	0.58	0.4	0.60	<0.5	0.39	0.14	284	2	22.8	2.7
E6563500 (9263820)	2.5	<1	160	<0.5	0.60	0.4	0.63	<0.5	0.39	0.12	296	3	22.5	2.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018	DATE RECEIVED: May 23, 2018					DATE REPORTED: Jul 04, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1	
E6563501 (9263821)	2.7	<1	161	<0.5	0.59	0.4	0.61	<0.5	0.42	0.17	287	3	23.7	2.8	
E6563502 (9263822)	2.5	<1	179	<0.5	0.59	0.4	0.61	<0.5	0.41	0.12	293	4	23.8	2.7	
E6563503 (9263823)	2.3	<1	181	<0.5	0.55	0.4	0.57	<0.5	0.38	0.13	276	4	21.6	2.4	
E6563504 (9263824)	2.3	<1	189	<0.5	0.58	0.4	0.62	<0.5	0.39	0.15	280	4	23.0	2.6	
E6563505 (9263825)	2.7	<1	197	<0.5	0.60	0.4	0.52	<0.5	0.38	0.35	250	3	22.0	2.6	
E6563506 (9263826)	5.3	<1	27.9	0.7	0.58	10.7	0.23	0.7	0.29	6.49	52	5	17.2	1.9	
E6563507 (9263827)	3.9	<1	53.4	<0.5	0.50	1.7	0.26	<0.5	0.20	0.74	117	<1	13.4	1.3	
E6563508 (9263828)	2.8	<1	214	<0.5	0.39	1.9	0.27	1.0	0.17	0.69	122	<1	11.4	1.2	
E6563509 (9263829)	2.8	<1	282	<0.5	0.40	2.0	0.27	0.9	0.18	0.70	119	<1	11.5	1.2	
E6563510 (9263830)	2.8	<1	227	<0.5	0.40	1.8	0.28	<0.5	0.18	0.63	124	<1	11.5	1.2	
E6563511 (9263831)	3.5	<1	191	<0.5	0.43	2.6	0.27	<0.5	0.17	0.82	120	<1	11.6	1.1	
E6563512 (9263832)	0.2	<1	61.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.24	<5	<1	2.2	0.1	
E6563513 (9263833)	2.7	<1	212	<0.5	0.38	2.0	0.27	0.6	0.17	0.71	122	<1	10.5	1.1	
E6563514 (9263834)	2.8	<1	137	<0.5	0.39	1.9	0.28	0.9	0.17	0.69	126	1	11.1	1.2	
E6563515 (9263835)	2.4	<1	255	<0.5	0.58	0.5	0.61	<0.5	0.41	0.15	276	3	21.6	2.5	
E6563516 (9263836)	2.4	<1	173	<0.5	0.56	0.4	0.61	<0.5	0.35	0.13	290	4	21.0	2.4	
E6563517 (9263837)	2.8	<1	136	<0.5	0.64	0.4	0.59	<0.5	0.44	0.14	295	3	24.2	2.9	
E6563518 (9263838)	2.7	<1	137	<0.5	0.66	0.4	0.60	<0.5	0.42	0.18	300	3	24.9	2.8	
E6563519 (9263839)	2.9	<1	102	<0.5	0.65	0.4	0.57	0.7	0.45	0.24	273	2	23.4	2.7	
E6563520 (9263840)	3.4	<1	66.1	<0.5	0.69	0.4	0.62	<0.5	0.42	0.28	290	3	25.4	2.8	
E6563521 (9263841)	11.6	<1	10.4	<0.5	1.81	0.3	0.42	<0.5	0.66	0.48	196	2	56.2	4.3	
E6563522 (9263842)	0.2	2	45.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.21	<5	<1	2.2	0.1	
E6563523 (9263843)	9.6	<1	15.3	<0.5	2.20	0.7	0.19	<0.5	0.83	24.4	140	1	69.0	5.1	
E6563524 (9263844)	3.5	<1	149	<0.5	0.73	0.4	0.59	<0.5	0.44	0.19	293	3	26.3	2.9	
E6563525 (9263845)	0.1	<1	52.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.18	<5	<1	2.0	0.1	
E6563526 (9263846)	5.2	<1	29.0	0.7	0.61	10.9	0.24	0.7	0.31	6.74	55	4	18.0	2.1	
E6563527 (9263847)	2.6	<1	161	<0.5	0.62	0.4	0.62	<0.5	0.41	0.13	299	2	24.0	2.8	
E6563528 (9263848)	2.4	<1	166	<0.5	0.54	0.5	0.73	0.5	0.39	0.15	324	2	19.8	2.6	
E6563529 (9263849)	2.4	<1	168	<0.5	0.53	0.4	0.69	0.7	0.34	0.14	292	1	19.0	2.1	
E6563530 (9263850)	2.5	<1	179	<0.5	0.57	0.5	0.73	0.5	0.37	0.14	326	2	21.7	2.5	
E6563531 (9263851)	2.6	<1	234	<0.5	0.59	0.6	0.58	<0.5	0.40	0.21	277	3	22.6	2.7	
E6563532 (9263852)	0.2	<1	52.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.14	<5	<1	2.2	0.1	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563533 (9263853)		4.0	<1	323	<0.5	0.58	4.0	0.37	<0.5	0.29	1.11	128	<1	17.2	2.0
E6563534 (9263854)		2.8	<1	243	<0.5	0.63	0.4	0.62	<0.5	0.41	0.14	287	3	23.2	2.7
E6563535 (9263855)		2.9	<1	177	<0.5	0.64	0.4	0.61	<0.5	0.42	0.16	281	2	23.6	2.7
E6563536 (9263856)		3.8	<1	156	<0.5	0.70	0.4	0.62	<0.5	0.40	0.37	279	2	23.2	2.7
E6563537 (9263857)		2.4	<1	158	<0.5	0.54	0.4	0.62	<0.5	0.34	0.14	286	2	20.8	2.4
E6563538 (9263858)		2.3	<1	178	<0.5	0.55	0.4	0.73	<0.5	0.38	0.14	323	2	21.8	2.5
E6563539 (9263859)		2.5	<1	181	<0.5	0.58	0.4	0.67	<0.5	0.36	0.14	302	2	21.2	2.4
E6563540 (9263860)		2.4	<1	146	<0.5	0.58	0.4	0.67	<0.5	0.38	0.14	299	2	21.3	2.5
E6563541 (9263861)		2.5	<1	160	<0.5	0.58	0.4	0.64	<0.5	0.40	0.14	296	2	22.6	2.7
E6563542 (9263862)		2.4	<1	158	<0.5	0.57	0.4	0.57	<0.5	0.44	0.15	280	2	24.3	2.9
E6563543 (9263863)		2.5	<1	150	<0.5	0.60	0.4	0.62	<0.5	0.40	0.13	302	2	23.1	2.7
E6563544 (9263864)		2.5	<1	144	<0.5	0.58	0.4	0.61	<0.5	0.42	0.15	306	2	22.9	2.8
E6563545 (9263865)		2.4	<1	158	<0.5	0.62	0.4	0.60	<0.5	0.40	0.13	288	2	23.3	2.8
E6563546 (9263866)		5.4	<1	30.1	0.8	0.60	11.1	0.23	0.8	0.30	6.82	54	5	17.9	1.9
E6563547 (9263867)		2.3	<1	158	<0.5	0.57	0.4	0.62	<0.5	0.36	0.18	285	2	21.0	2.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563437 (9263757)		100	55.5
E6563438 (9263758)		90	53.9
E6563439 (9263759)		85	61.3
E6563440 (9263760)		70	57.2
E6563441 (9263761)		71	59.4
E6563442 (9263762)		68	57.5
E6563443 (9263763)		66	61.6
E6563444 (9263764)		66	57.3
E6563445 (9263765)		101	55.9
E6563446 (9263766)		6	165
E6563447 (9263767)		173	58.7
E6563448 (9263768)		133	153
E6563449 (9263769)		114	147
E6563450 (9263770)		70	60.3
E6563451 (9263771)		73	58.6
E6563452 (9263772)		<5	3.1
E6563453 (9263773)		78	61.1
E6563454 (9263774)		96	162
E6563455 (9263775)		68	67.4
E6563456 (9263776)		60	68.7
E6563457 (9263777)		78	99.0
E6563458 (9263778)		76	98.4
E6563459 (9263779)		81	101
E6563460 (9263780)		84	91.7
E6563461 (9263781)		86	52.4
E6563462 (9263782)		82	50.8
E6563463 (9263783)		92	162
E6563464 (9263784)		96	162
E6563465 (9263785)		130	73.4
E6563466 (9263786)		<5	163
E6563467 (9263787)		92	60.5
E6563468 (9263788)		87	56.9

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6563469 (9263789)		77	62.0
E6563470 (9263790)		81	61.0
E6563471 (9263791)		105	58.3
E6563472 (9263792)		<5	1.7
E6563473 (9263793)		105	55.2
E6563474 (9263794)		85	63.1
E6563475 (9263795)		98	63.8
E6563476 (9263796)		93	60.6
E6563477 (9263797)		104	56.4
E6563478 (9263798)		101	55.4
E6563479 (9263799)		88	46.9
E6563480 (9263800)		98	56.0
E6563481 (9263801)		108	51.5
E6563482 (9263802)		98	53.0
E6563483 (9263803)		94	52.9
E6563484 (9263804)		82	56.3
E6563485 (9263805)		84	57.4
E6563486 (9263806)		<5	161
E6563487 (9263807)		114	58.3
E6563488 (9263808)		140	56.3
E6563489 (9263809)		91	53.1
E6563490 (9263810)		87	55.7
E6563491 (9263811)		79	58.4
E6563492 (9263812)		<5	1.7
E6563493 (9263813)		89	109
E6563494 (9263814)		84	63.1
E6563495 (9263815)		68	61.8
E6563496 (9263816)		76	57.5
E6563497 (9263817)		98	58.3
E6563498 (9263818)		94	58.1
E6563499 (9263819)		97	56.8
E6563500 (9263820)		97	59.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563501 (9263821)		119	57.8
E6563502 (9263822)		100	57.5
E6563503 (9263823)		101	54.2
E6563504 (9263824)		76	58.1
E6563505 (9263825)		97	51.1
E6563506 (9263826)		7	155
E6563507 (9263827)		112	59.3
E6563508 (9263828)		105	66.4
E6563509 (9263829)		100	66.9
E6563510 (9263830)		114	61.5
E6563511 (9263831)		113	67.7
E6563512 (9263832)		<5	1.7
E6563513 (9263833)		164	63.3
E6563514 (9263834)		169	64.6
E6563515 (9263835)		72	58.4
E6563516 (9263836)		75	57.4
E6563517 (9263837)		112	57.2
E6563518 (9263838)		96	60.7
E6563519 (9263839)		164	56.1
E6563520 (9263840)		385	58.9
E6563521 (9263841)		145	37.2
E6563522 (9263842)		<5	1.6
E6563523 (9263843)		32	30.2
E6563524 (9263844)		471	56.3
E6563525 (9263845)		<5	1.6
E6563526 (9263846)		5	163
E6563527 (9263847)		96	56.1
E6563528 (9263848)		86	64.9
E6563529 (9263849)		59	62.4
E6563530 (9263850)		66	64.4
E6563531 (9263851)		147	56.7
E6563532 (9263852)		<5	1.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 22, 2018 DATE RECEIVED: May 23, 2018 DATE REPORTED: Jul 04, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563533 (9263853)		130	137
E6563534 (9263854)		62	56.9
E6563535 (9263855)		353	58.6
E6563536 (9263856)		223	55.4
E6563537 (9263857)		424	59.0
E6563538 (9263858)		501	61.2
E6563539 (9263859)		71	61.0
E6563540 (9263860)		99	58.6
E6563541 (9263861)		86	58.5
E6563542 (9263862)		85	52.9
E6563543 (9263863)		86	58.3
E6563544 (9263864)		102	55.8
E6563545 (9263865)		92	56.8
E6563546 (9263866)		7	164
E6563547 (9263867)		74	58.1

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-998) 3 Acid Digest - Ag, ICP-OES finish

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag
Unit:	ppm
RDL:	0.5
Sample ID (AGAT ID)	
E6563519 (9263839)	24.7
E6563520 (9263840)	410
E6563521 (9263841)	1120
E6563524 (9263844)	751
E6563527 (9263847)	54.2
E6563528 (9263848)	35.5

Comments: RDL - Reported Detection Limit

9263839-9263848 As, Sb values may be low due to digestion losses.

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T342008

PROJECT: DDH-130B

5623 McADAM ROAD
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 CANADA L4Z 1N9
 TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 22, 2018

DATE RECEIVED: May 23, 2018

DATE REPORTED: Jul 04, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563437 (9263757)		67
E6563439 (9263759)		70
E6563440 (9263760)		77
E6563441 (9263761)		85
E6563447 (9263767)		85
E6563448 (9263768)		90
E6563456 (9263776)		84
E6563467 (9263787)		86
E6563476 (9263796)		84
E6563487 (9263807)		85
E6563496 (9263816)		85
E6563507 (9263827)		91
E6563516 (9263836)		85
E6563527 (9263847)		88
E6563536 (9263856)		89
E6563547 (9263867)		86

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9263839	25	26	3.9%	9263768	< 1	< 1	0.0%	9263780	< 1	< 1	0.0%	9263782	< 1	< 1	0.0%
Al	9263757	7.51	7.49	0.3%	9263768	5.82	6.01	3.2%	9263780	6.67	6.68	0.1%	9263782	7.02	6.71	4.5%
As	9263757	< 5	< 5	0.0%	9263768	< 5	< 5	0.0%	9263780	< 5	< 5	0.0%	9263782	15	16	6.5%
B	9263757	22	19	14.6%	9263768	< 20	< 20	0.0%	9263780	< 20	< 20	0.0%	9263782	< 20	< 20	0.0%
Ba	9263757	157	155	1.3%	9263768	225	231	2.6%	9263780	395	389	1.5%	9263782	211	213	0.9%
Be	9263757	< 5	< 5	0.0%	9263768	< 5	< 5	0.0%	9263780	< 5	< 5	0.0%	9263782	< 5	< 5	0.0%
Bi	9263757	0.5	0.5	0.0%	9263768	0.16	0.14	13.3%	9263780	< 0.1	< 0.1	0.0%	9263782	0.5	0.5	0.0%
Ca	9263757	8.72	8.49	2.7%	9263768	5.18	5.33	2.9%	9263780	7.97	8.02	0.6%	9263782	7.37	7.05	4.4%
Cd	9263757	< 0.2	< 0.2	0.0%	9263768	< 0.2	< 0.2	0.0%	9263780	< 0.2	< 0.2	0.0%	9263782	< 0.2	< 0.2	0.0%
Ce	9263757	11.2	9.9	12.3%	9263768	70.5	70.9	0.6%	9263780	38.4	37.9	1.3%	9263782	12.5	12.1	3.3%
Co	9263757	68.9	71.1	3.1%	9263768	35.8	37.3	4.1%	9263780	30.3	30.4	0.3%	9263782	73.1	77.8	6.2%
Cr	9263757	0.0209	0.0202	3.4%	9263768	0.037	0.037	0.0%	9263780	0.0413	0.0395	4.5%	9263782	0.0208	0.0200	3.9%
Cs	9263757	1.3	1.3	0.0%	9263768	0.62	0.70	12.1%	9263780	0.42	0.49	15.4%	9263782	3.31	3.47	4.7%
Cu	9263757	336	342	1.8%	9263768	45	46	2.2%	9263780	32	31	3.2%	9263782	702	707	0.7%
Dy	9263757	4.14	4.04	2.4%	9263768	4.18	4.05	3.2%	9263780	2.94	3.00	2.0%	9263782	4.30	4.22	1.9%
Er	9263757	2.80	2.76	1.4%	9263768	1.97	1.98	0.5%	9263780	1.76	1.69	4.1%	9263782	2.80	2.87	2.5%
Eu	9263757	0.89	0.83	7.0%	9263768	1.99	1.99	0.0%	9263780	1.06	1.06	0.0%	9263782	1.17	1.14	2.6%
Fe	9263757	11.7	11.6	0.9%	9263768	8.68	8.88	2.3%	9263780	6.24	6.23	0.2%	9263782	11.9	11.7	1.7%
Ga	9263757	17.4	17.2	1.2%	9263768	15.5	15.5	0.0%	9263780	14.2	14.4	1.4%	9263782	18.4	18.4	0.0%
Gd	9263757	3.33	3.26	2.1%	9263768	7.00	7.21	3.0%	9263780	4.01	4.01	0.0%	9263782	3.64	3.60	1.1%
Ge	9263757	2	2	0.0%	9263768	1	1	0.0%	9263780	2	2	0.0%	9263782	2	2	0.0%
Hf	9263757	2	2	0.0%	9263768	4	4	0.0%	9263780	3	3	0.0%	9263782	2	1	
Ho	9263757	0.906	0.903	0.3%	9263768	0.753	0.768	2.0%	9263780	0.630	0.615	2.4%	9263782	0.913	0.915	0.2%
In	9263757	< 0.2	< 0.2	0.0%	9263768	< 0.2	< 0.2	0.0%	9263780	< 0.2	< 0.2	0.0%	9263782	< 0.2	< 0.2	0.0%
K	9263757	0.59	0.59	0.0%	9263768	0.630	0.668	5.9%	9263780	1.25	1.26	0.8%	9263782	0.803	0.784	2.4%
La	9263757	4.4	3.9	12.0%	9263768	30.7	31.3	1.9%	9263780	17.6	17.3	1.7%	9263782	5.1	5.0	2.0%
Li	9263757	12	13	8.0%	9263768	25	26	3.9%	9263780	11	10	9.5%	9263782	18	18	0.0%
Lu	9263757	0.416	0.410	1.5%	9263768	0.242	0.246	1.6%	9263780	0.25	0.24	4.1%	9263782	0.40	0.40	0.0%
Mg	9263757	2.66	2.78	4.4%	9263768	5.32	5.50	3.3%	9263780	3.39	3.41	0.6%	9263782	2.28	2.20	3.6%
Mn	9263757	3170	3300	4.0%	9263768	2090	2140	2.4%	9263780	2130	2100	1.4%	9263782	2530	2540	0.4%
Mo	9263757	9	9	0.0%	9263768	3	3	0.0%	9263780	2	2	0.0%	9263782	5	5	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9263757	2	2	0.0%	9263768	7	7	0.0%	9263780	4	4	0.0%	9263782	2	2	0.0%
Nd	9263757	8.32	7.84	5.9%	9263768	39.5	40.1	1.5%	9263780	20.7	20.9	1.0%	9263782	8.98	9.05	0.8%
Ni	9263757	97	101	4.0%	9263768	229	235	2.6%	9263780	94	93	1.1%	9263782	98	98	0.0%
P	9263757	0.04	0.04	0.0%	9263768	0.243	0.249	2.4%	9263780	0.11	0.11	0.0%	9263782	0.044	0.048	8.7%
Pb	9263757	12	11	8.7%	9263768	10	12	18.2%	9263780	7	8	13.3%	9263782	7	11	
Pr	9263757	1.66	1.49	10.8%	9263768	9.18	9.32	1.5%	9263780	4.90	4.85	1.0%	9263782	1.80	1.79	0.6%
Rb	9263757	32.9	32.9	0.0%	9263768	16.7	17.1	2.4%	9263780	48.6	48.3	0.6%	9263782	50.6	52.1	2.9%
S	9263757	1.51	1.63	7.6%	9263768	0.11	0.12	8.7%	9263780	0.118	0.113	4.3%	9263782	2.41	2.49	3.3%
Sb	9263757	0.4	0.4	0.0%	9263768	0.3	0.3	0.0%	9263780	0.1	0.1	0.0%	9263782	0.3	0.3	0.0%
Sc	9263757	42	44	4.7%	9263768	19	19	0.0%	9263780	24	24	0.0%	9263782	39	39	0.0%
Si	9263757	20.3	20.2	0.5%	9263768	22.7	23.3	2.6%	9263780	23.2	23.2	0.0%	9263782	21.0	20.1	4.4%
Sm	9263757	2.6	2.4	8.0%	9263768	8.1	8.0	1.2%	9263780	4.21	4.13	1.9%	9263782	2.7	2.8	3.6%
Sn	9263757	< 1	< 1	0.0%	9263768	< 1	< 1	0.0%	9263780	< 1	< 1	0.0%	9263782	< 1	< 1	0.0%
Sr	9263757	173	178	2.8%	9263768	219	229	4.5%	9263780	266	260	2.3%	9263782	189	188	0.5%
Ta	9263757	< 0.5	< 0.5	0.0%	9263768	< 0.5	< 0.5	0.0%	9263780	< 0.5	< 0.5	0.0%	9263782	< 0.5	< 0.5	0.0%
Tb	9263757	0.58	0.58	0.0%	9263768	0.904	0.885	2.1%	9263780	0.560	0.568	1.4%	9263782	0.62	0.65	4.7%
Th	9263757	0.46	0.43	6.7%	9263768	3.41	3.55	4.0%	9263780	2.46	2.40	2.5%	9263782	0.4	0.4	0.0%
Ti	9263757	0.58	0.58	0.0%	9263768	0.614	0.629	2.4%	9263780	0.42	0.42	0.0%	9263782	0.52	0.50	3.9%
Tl	9263757	< 0.5	< 0.5	0.0%	9263768	< 0.5	< 0.5	0.0%	9263780	< 0.5	< 0.5	0.0%	9263782	0.5	0.5	0.0%
Tm	9263757	0.42	0.40	4.9%	9263768	0.264	0.284	7.3%	9263780	0.244	0.256	4.8%	9263782	0.41	0.40	2.5%
U	9263757	0.14	0.13	7.4%	9263768	1.02	1.06	3.8%	9263780	0.677	0.686	1.3%	9263782	0.144	0.135	6.5%
V	9263757	288	299	3.7%	9263768	145	148	2.0%	9263780	168	164	2.4%	9263782	283	288	1.8%
W	9263757	7	6	15.4%	9263768	2	2	0.0%	9263780	2	2	0.0%	9263782	2	3	
Y	9263757	23.4	22.8	2.6%	9263768	19.7	20.4	3.5%	9263780	15.7	15.6	0.6%	9263782	24.6	24.6	0.0%
Yb	9263757	2.80	2.75	1.8%	9263768	1.53	1.68	9.3%	9263780	1.69	1.61	4.8%	9263782	2.52	2.75	8.7%
Zn	9263757	100	99	1.0%	9263768	133	131	1.5%	9263780	84	82	2.4%	9263782	82	80	2.5%
Zr	9263757	55.5	53.9	2.9%	9263768	153	154	0.7%	9263780	91.7	91.3	0.4%	9263782	50.8	50.8	0.0%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9263790	< 1	< 1	0.0%	9263804	< 1	< 1	0.0%	9263807	< 1	< 1	0.0%	9263816	< 1	< 1	0.0%
Al	9263790	8.40	9.05	7.4%	9263804	7.67	7.79	1.6%	9263807	8.27	8.25	0.2%	9263816	7.81	8.08	3.4%
As	9263790	< 5	< 5	0.0%	9263804	< 5	< 5	0.0%	9263807	< 5	< 5	0.0%	9263816	< 5	< 5	0.0%
B	9263790	< 20	< 20	0.0%	9263804	< 20	< 20	0.0%	9263807	25	23	8.3%	9263816	< 20	< 20	0.0%
Ba	9263790	184	200	8.3%	9263804	171	173	1.2%	9263807	231	230	0.4%	9263816	417	437	4.7%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9263790	< 5	< 5	0.0%	9263804	< 5	< 5	0.0%	9263807	< 5	< 5	0.0%	9263816	< 5	< 5	0.0%
Bi	9263790	0.1	0.1	0.0%	9263804	0.56	0.55	1.8%	9263807	0.6	0.5	18.2%	9263816	0.3	0.3	0.0%
Ca	9263790	7.21	7.96	9.9%	9263804	6.65	6.74	1.3%	9263807	6.80	6.88	1.2%	9263816	7.63	7.92	3.7%
Cd	9263790	< 0.2	< 0.2	0.0%	9263804	< 0.2	< 0.2	0.0%	9263807	< 0.2	< 0.2	0.0%	9263816	< 0.2	< 0.2	0.0%
Ce	9263790	10.8	11.0	1.8%	9263804	10.1	9.8	3.0%	9263807	10.5	10.7	1.9%	9263816	11.2	11.5	2.6%
Co	9263790	54.4	55.0	1.1%	9263804	63.6	63.1	0.8%	9263807	51.9	52.7	1.5%	9263816	53.1	53.5	0.8%
Cr	9263790	0.027	0.029	7.1%	9263804	0.0216	0.0214	0.9%	9263807	0.0219	0.0237	7.9%	9263816	0.023	0.023	0.0%
Cs	9263790	1.83	1.86	1.6%	9263804	1.9	1.9	0.0%	9263807	0.8	0.8	0.0%	9263816	0.3	0.3	0.0%
Cu	9263790	154	169	9.3%	9263804	321	317	1.3%	9263807	518	454	13.2%	9263816	80	82	2.5%
Dy	9263790	3.78	3.89	2.9%	9263804	4.01	3.98	0.8%	9263807	4.19	3.98	5.1%	9263816	4.00	4.22	5.4%
Er	9263790	2.47	2.63	6.3%	9263804	2.77	2.56	7.9%	9263807	2.71	2.71	0.0%	9263816	2.68	2.82	5.1%
Eu	9263790	0.918	0.909	1.0%	9263804	0.958	0.871	9.5%	9263807	1.09	1.13	3.6%	9263816	1.00	1.01	1.0%
Fe	9263790	9.15	10.1	9.9%	9263804	11.0	11.1	0.9%	9263807	8.76	8.70	0.7%	9263816	9.28	9.62	3.6%
Ga	9263790	17.6	18.3	3.9%	9263804	17.5	17.3	1.1%	9263807	17.6	18.0	2.2%	9263816	17.3	18.0	4.0%
Gd	9263790	3.35	3.35	0.0%	9263804	3.30	3.32	0.6%	9263807	3.31	3.50	5.6%	9263816	3.53	3.39	4.0%
Ge	9263790	2	2	0.0%	9263804	2	2	0.0%	9263807	1	2		9263816	2	2	0.0%
Hf	9263790	2	2	0.0%	9263804	2	2	0.0%	9263807	2	2	0.0%	9263816	2	2	0.0%
Ho	9263790	0.819	0.877	6.8%	9263804	0.889	0.852	4.3%	9263807	0.918	0.927	1.0%	9263816	0.892	0.939	5.1%
In	9263790	< 0.2	< 0.2	0.0%	9263804	< 0.2	< 0.2	0.0%	9263807	< 0.2	< 0.2	0.0%	9263816	< 0.2	< 0.2	0.0%
K	9263790	0.783	0.832	6.1%	9263804	0.822	0.839	2.0%	9263807	0.96	0.96	0.0%	9263816	1.16	1.19	2.6%
La	9263790	4.2	4.3	2.4%	9263804	3.96	3.87	2.3%	9263807	4.2	4.2	0.0%	9263816	4.7	4.8	2.1%
Li	9263790	15	17	12.5%	9263804	17	18	5.7%	9263807	14	14	0.0%	9263816	< 10	< 10	0.0%
Lu	9263790	0.380	0.386	1.6%	9263804	0.42	0.40	4.9%	9263807	0.40	0.40	0.0%	9263816	0.412	0.432	4.7%
Mg	9263790	2.41	2.62	8.3%	9263804	2.60	2.65	1.9%	9263807	2.43	2.41	0.8%	9263816	2.41	2.45	1.6%
Mn	9263790	2530	2720	7.2%	9263804	2660	2630	1.1%	9263807	2050	2040	0.5%	9263816	1990	2080	4.4%
Mo	9263790	6	6	0.0%	9263804	5	5	0.0%	9263807	3	4	28.6%	9263816	9	9	0.0%
Nb	9263790	3	3	0.0%	9263804	3	3	0.0%	9263807	3	3	0.0%	9263816	3	3	0.0%
Nd	9263790	8.1	8.4	3.6%	9263804	7.54	7.61	0.9%	9263807	8.11	8.57	5.5%	9263816	8.5	8.7	2.3%
Ni	9263790	101	113	11.2%	9263804	104	106	1.9%	9263807	93	91	2.2%	9263816	82	85	3.6%
P	9263790	0.05	0.05	0.0%	9263804	0.041	0.045	9.3%	9263807	0.048	0.040	18.2%	9263816	0.04	0.04	0.0%
Pb	9263790	8	8	0.0%	9263804	8	12		9263807	21	15		9263816	11	12	8.7%
Pr	9263790	1.56	1.64	5.0%	9263804	1.49	1.46	2.0%	9263807	1.62	1.59	1.9%	9263816	1.69	1.73	2.3%
Rb	9263790	39.0	39.3	0.8%	9263804	47.0	47.0	0.0%	9263807	44.9	45.7	1.8%	9263816	34.0	35.4	4.0%
S	9263790	0.84	0.93	10.2%	9263804	1.45	1.48	2.0%	9263807	1.10	1.08	1.8%	9263816	0.617	0.646	4.6%



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Sb	9263790	0.1	0.1	0.0%	9263804	0.3	0.3	0.0%	9263807	0.47	0.38	21.2%	9263816	0.7	0.7	0.0%
Sc	9263790	44	47	6.6%	9263804	44	43	2.3%	9263807	43	43	0.0%	9263816	43	45	4.5%
Si	9263790	22.3	24.5	9.4%	9263804	21.3	21.7	1.9%	9263807	22.6	22.7	0.4%	9263816	21.7	22.2	2.3%
Sm	9263790	2.4	2.5	4.1%	9263804	2.4	2.4	0.0%	9263807	2.57	2.55	0.8%	9263816	2.72	2.62	3.7%
Sn	9263790	< 1	< 1	0.0%	9263804	< 1	< 1	0.0%	9263807	< 1	< 1	0.0%	9263816	< 1	< 1	0.0%
Sr	9263790	171	182	6.2%	9263804	145	144	0.7%	9263807	161	165	2.5%	9263816	225	239	6.0%
Ta	9263790	< 0.5	< 0.5	0.0%	9263804	< 0.5	< 0.5	0.0%	9263807	< 0.5	< 0.5	0.0%	9263816	< 0.5	< 0.5	0.0%
Tb	9263790	0.564	0.554	1.8%	9263804	0.60	0.57	5.1%	9263807	0.608	0.591	2.8%	9263816	0.604	0.632	4.5%
Th	9263790	0.5	0.5	0.0%	9263804	0.4	0.4	0.0%	9263807	0.4	0.4	0.0%	9263816	0.42	0.46	9.1%
Ti	9263790	0.622	0.670	7.4%	9263804	0.583	0.592	1.5%	9263807	0.62	0.62	0.0%	9263816	0.61	0.62	1.6%
Tl	9263790	< 0.5	< 0.5	0.0%	9263804	< 0.5	< 0.5	0.0%	9263807	< 0.5	< 0.5	0.0%	9263816	< 0.5	< 0.5	0.0%
Tm	9263790	0.363	0.397	8.9%	9263804	0.38	0.39	2.6%	9263807	0.41	0.40	2.5%	9263816	0.41	0.41	0.0%
U	9263790	0.16	0.16	0.0%	9263804	0.16	0.13	20.7%	9263807	0.138	0.134	2.9%	9263816	0.148	0.140	5.6%
V	9263790	287	309	7.4%	9263804	296	295	0.3%	9263807	285	287	0.7%	9263816	282	296	4.8%
W	9263790	2	2	0.0%	9263804	2	2	0.0%	9263807	2	2	0.0%	9263816	3	3	0.0%
Y	9263790	21.7	21.9	0.9%	9263804	22.7	22.2	2.2%	9263807	21.9	22.6	3.1%	9263816	22.4	23.0	2.6%
Yb	9263790	2.5	2.4	4.1%	9263804	2.7	2.6	3.8%	9263807	2.6	2.6	0.0%	9263816	2.8	2.8	0.0%
Zn	9263790	81	90	10.5%	9263804	82	87	5.9%	9263807	114	98	15.1%	9263816	76	79	3.9%
Zr	9263790	61.0	61.9	1.5%	9263804	56.3	55.7	1.1%	9263807	58.3	61.5	5.3%	9263816	57.5	58.8	2.2%

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9263828	< 1	< 1	0.0%	9263832	< 1	< 1	0.0%	9263840	514	504	2.0%	9263852	< 1	< 1	0.0%
Al	9263828	4.76	4.83	1.5%	9263832	0.07	0.07	0.0%	9263840	7.28	7.29	0.1%	9263852	0.06	0.06	0.0%
As	9263828	10	11	9.5%	9263832	< 5	< 5	0.0%	9263840	609	635	4.2%	9263852	< 5	< 5	0.0%
B	9263828	< 20	< 20	0.0%	9263832	< 20	< 20	0.0%	9263840	< 20	< 20	0.0%	9263852	< 20	< 20	0.0%
Ba	9263828	304	302	0.7%	9263832	16.2	17.4	7.1%	9263840	550	546	0.7%	9263852	13.6	14.1	3.6%
Be	9263828	< 5	< 5	0.0%	9263832	< 5	< 5	0.0%	9263840	< 5	< 5	0.0%	9263852	< 5	< 5	0.0%
Bi	9263828	< 0.1	< 0.1	0.0%	9263832	< 0.1	< 0.1	0.0%	9263840	10.1	10.1	0.0%	9263852	< 0.1	< 0.1	0.0%
Ca	9263828	4.67	4.79	2.5%	9263832	35.0	34.3	2.0%	9263840	3.68	3.83	4.0%	9263852	32.3	31.9	1.2%
Cd	9263828	< 0.2	< 0.2	0.0%	9263832	< 0.2	< 0.2	0.0%	9263840	1.2	1.1	8.7%	9263852	< 0.2	< 0.2	0.0%
Ce	9263828	20.5	20.4	0.5%	9263832	1.26	0.99	24.0%	9263840	16.9	17.0	0.6%	9263852	1.0	1.0	0.0%
Co	9263828	52.9	53.6	1.3%	9263832	1.5	1.0		9263840	57.7	60.4	4.6%	9263852	1.28	1.19	7.3%
Cr	9263828	0.124	0.128	3.2%	9263832	< 0.005	< 0.005	0.0%	9263840	0.019	0.019	0.0%	9263852	< 0.005	< 0.005	0.0%
Cs	9263828	6.8	6.8	0.0%	9263832	< 0.1	< 0.1	0.0%	9263840	0.7	0.7	0.0%	9263852	< 0.1	< 0.1	0.0%



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Cu	9263828	18	18	0.0%	9263832	7	7	0.0%	9263840	2170	2140	1.4%	9263852	18	18	0.0%
Dy	9263828	2.14	2.20	2.8%	9263832	0.227	0.191	17.2%	9263840	4.48	4.52	0.9%	9263852	0.193	0.247	24.5%
Er	9263828	1.27	1.17	8.2%	9263832	0.155	0.133	15.3%	9263840	2.98	2.84	4.8%	9263852	0.150	0.167	10.7%
Eu	9263828	0.750	0.681	9.6%	9263832	< 0.05	< 0.05	0.0%	9263840	1.16	1.18	1.7%	9263852	< 0.05	< 0.05	0.0%
Fe	9263828	6.34	6.50	2.5%	9263832	0.12	0.11	8.7%	9263840	9.47	9.81	3.5%	9263852	0.10	0.10	0.0%
Ga	9263828	10.9	10.9	0.0%	9263832	0.18	0.16	11.8%	9263840	15.5	15.2	2.0%	9263852	0.15	0.17	12.5%
Gd	9263828	2.81	2.76	1.8%	9263832	0.225	0.259	14.0%	9263840	4.32	4.39	1.6%	9263852	0.223	0.246	9.8%
Ge	9263828	1	1	0.0%	9263832	< 1	< 1	0.0%	9263840	1	1	0.0%	9263852	< 1	< 1	0.0%
Hf	9263828	2	2	0.0%	9263832	< 1	< 1	0.0%	9263840	2	2	0.0%	9263852	< 1	< 1	0.0%
Ho	9263828	0.44	0.43	2.3%	9263832	0.05	0.05	0.0%	9263840	0.96	0.98	2.1%	9263852	0.056	0.048	15.4%
In	9263828	< 0.2	< 0.2	0.0%	9263832	< 0.2	< 0.2	0.0%	9263840	0.3	0.3	0.0%	9263852	< 0.2	< 0.2	0.0%
K	9263828	1.72	1.78	3.4%	9263832	< 0.05	< 0.05	0.0%	9263840	1.61	1.63	1.2%	9263852	< 0.05	< 0.05	0.0%
La	9263828	8.3	8.3	0.0%	9263832	1.2	1.2	0.0%	9263840	9.3	9.1	2.2%	9263852	1.15	1.15	0.0%
Li	9263828	56	58	3.5%	9263832	< 10	< 10	0.0%	9263840	27	29	7.1%	9263852	< 10	< 10	0.0%
Lu	9263828	0.18	0.18	0.0%	9263832	< 0.05	< 0.05	0.0%	9263840	0.44	0.43	2.3%	9263852	< 0.05	< 0.05	0.0%
Mg	9263828	10.2	10.2	0.0%	9263832	2.55	2.70	5.7%	9263840	3.13	3.12	0.3%	9263852	1.95	1.96	0.5%
Mn	9263828	1250	1250	0.0%	9263832	71	67	5.8%	9263840	2490	2470	0.8%	9263852	55	58	5.3%
Mo	9263828	< 2	< 2	0.0%	9263832	< 2	< 2	0.0%	9263840	2	2	0.0%	9263852	< 2	< 2	0.0%
Nb	9263828	3	3	0.0%	9263832	< 1	< 1	0.0%	9263840	3	3	0.0%	9263852	< 1	< 1	0.0%
Nd	9263828	12.4	12.3	0.8%	9263832	0.9	0.9	0.0%	9263840	11.5	11.4	0.9%	9263852	0.9	0.9	0.0%
Ni	9263828	583	585	0.3%	9263832	< 5	< 5	0.0%	9263840	82	81	1.2%	9263852	< 5	< 5	0.0%
P	9263828	0.175	0.187	6.6%	9263832	0.01	< 0.01		9263840	0.049	0.042	15.4%	9263852	0.01	< 0.01	
Pb	9263828	10	10	0.0%	9263832	8	7	13.3%	9263840	813	814	0.1%	9263852	5	6	18.2%
Pr	9263828	2.81	2.74	2.5%	9263832	0.231	0.203	12.9%	9263840	2.30	2.33	1.3%	9263852	0.20	0.20	0.0%
Rb	9263828	97.3	97.6	0.3%	9263832	0.5	0.5	0.0%	9263840	52.5	51.1	2.7%	9263852	0.40	0.33	19.2%
S	9263828	< 0.01	< 0.01	0.0%	9263832	< 0.01	< 0.01	0.0%	9263840	0.837	0.801	4.4%	9263852	< 0.01	< 0.01	0.0%
Sb	9263828	0.9	0.9	0.0%	9263832	< 0.1	< 0.1	0.0%	9263840	450	448	0.4%	9263852	0.1	0.1	0.0%
Sc	9263828	20	20	0.0%	9263832	< 5	< 5	0.0%	9263840	43	42	2.4%	9263852	< 5	< 5	0.0%
Si	9263828	22.0	22.5	2.2%	9263832	3.16	3.54	11.3%	9263840	21.9	22.2	1.4%	9263852	3.80	3.92	3.1%
Sm	9263828	2.8	2.8	0.0%	9263832	0.2	0.2	0.0%	9263840	3.4	3.4	0.0%	9263852	0.2	0.2	0.0%
Sn	9263828	< 1	< 1	0.0%	9263832	< 1	< 1	0.0%	9263840	< 1	< 1	0.0%	9263852	< 1	< 1	0.0%
Sr	9263828	214	211	1.4%	9263832	61.1	56.4	8.0%	9263840	66.1	65.3	1.2%	9263852	52.3	50.9	2.7%
Ta	9263828	< 0.5	< 0.5	0.0%	9263832	< 0.5	< 0.5	0.0%	9263840	< 0.5	< 0.5	0.0%	9263852	< 0.5	< 0.5	0.0%
Tb	9263828	0.388	0.375	3.4%	9263832	< 0.05	< 0.05	0.0%	9263840	0.69	0.70	1.4%	9263852	< 0.05	< 0.05	0.0%



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Th	9263828	1.91	1.96	2.6%	9263832	< 0.1	< 0.1	0.0%	9263840	0.4	0.4	0.0%	9263852	< 0.1	< 0.1	0.0%
Ti	9263828	0.270	0.277	2.6%	9263832	< 0.01	< 0.01	0.0%	9263840	0.62	0.63	1.6%	9263852	< 0.01	< 0.01	0.0%
Tl	9263828	0.95	0.89	6.5%	9263832	< 0.5	< 0.5	0.0%	9263840	< 0.5	< 0.5	0.0%	9263852	< 0.5	< 0.5	0.0%
Tm	9263828	0.175	0.179	2.3%	9263832	< 0.05	< 0.05	0.0%	9263840	0.421	0.414	1.7%	9263852	< 0.05	< 0.05	0.0%
U	9263828	0.692	0.716	3.4%	9263832	0.24	0.08		9263840	0.275	0.254	7.9%	9263852	0.14	0.14	0.0%
V	9263828	122	121	0.8%	9263832	< 5	< 5	0.0%	9263840	290	286	1.4%	9263852	< 5	< 5	0.0%
W	9263828	< 1	< 1	0.0%	9263832	< 1	< 1	0.0%	9263840	3	3	0.0%	9263852	< 1	< 1	0.0%
Y	9263828	11.4	11.1	2.7%	9263832	2.2	2.1	4.7%	9263840	25.4	25.0	1.6%	9263852	2.2	2.2	0.0%
Yb	9263828	1.2	1.2	0.0%	9263832	0.1	0.1	0.0%	9263840	2.83	2.88	1.8%	9263852	0.1	0.1	0.0%
Zn	9263828	105	111	5.6%	9263832	< 5	< 5	0.0%	9263840	385	390	1.3%	9263852	< 5	< 5	0.0%
Zr	9263828	66.4	66.0	0.6%	9263832	1.7	1.5	12.5%	9263840	58.9	58.1	1.4%	9263852	1.4	1.4	0.0%

REPLICATE #13					REPLICATE #14											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9263857	2	2	0.0%	9263864	< 1	< 1	0.0%								
Al	9263857	8.30	7.89	5.1%	9263864	8.14	7.82	4.0%								
As	9263857	25	27	7.7%	9263864	< 5	< 5	0.0%								
B	9263857	19	20	5.1%	9263864	< 20	< 20	0.0%								
Ba	9263857	413	418	1.2%	9263864	159	152	4.5%								
Be	9263857	< 5	< 5	0.0%	9263864	< 5	< 5	0.0%								
Bi	9263857	0.3	0.3	0.0%	9263864	0.2	0.2	0.0%								
Ca	9263857	5.41	5.32	1.7%	9263864	7.77	7.34	5.7%								
Cd	9263857	1.0	1.0	0.0%	9263864	< 0.2	< 0.2	0.0%								
Ce	9263857	9.5	9.7	2.1%	9263864	9.99	9.93	0.6%								
Co	9263857	51.1	52.1	1.9%	9263864	67.3	67.1	0.3%								
Cr	9263857	0.0204	0.0224	9.3%	9263864	0.021	0.020	4.9%								
Cs	9263857	1.4	1.4	0.0%	9263864	0.45	0.46	2.2%								
Cu	9263857	171	187	8.9%	9263864	166	160	3.7%								
Dy	9263857	3.83	3.91	2.1%	9263864	4.05	4.16	2.7%								
Er	9263857	2.32	2.58	10.6%	9263864	2.71	2.69	0.7%								
Eu	9263857	0.80	0.85	6.1%	9263864	0.913	0.936	2.5%								
Fe	9263857	7.68	7.51	2.2%	9263864	11.6	10.9	6.2%								
Ga	9263857	17.1	17.9	4.6%	9263864	17.0	17.2	1.2%								
Gd	9263857	3.12	3.21	2.8%	9263864	3.46	3.39	2.0%								
Ge	9263857	2	2	0.0%	9263864	2	2	0.0%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Hf	9263857	2	2	0.0%	9263864	2	2	0.0%								
Ho	9263857	0.82	0.85	3.6%	9263864	0.89	0.89	0.0%								
In	9263857	< 0.2	< 0.2	0.0%	9263864	< 0.2	< 0.2	0.0%								
K	9263857	1.54	1.44	6.7%	9263864	0.476	0.467	1.9%								
La	9263857	3.64	3.76	3.2%	9263864	3.8	3.8	0.0%								
Li	9263857	30	29	3.4%	9263864	11	11	0.0%								
Lu	9263857	0.364	0.375	3.0%	9263864	0.44	0.43	2.3%								
Mg	9263857	2.13	2.00	6.3%	9263864	2.97	2.84	4.5%								
Mn	9263857	1940	2020	4.0%	9263864	2710	2600	4.1%								
Mo	9263857	4	4	0.0%	9263864	2	2	0.0%								
Nb	9263857	3	3	0.0%	9263864	3	3	0.0%								
Nd	9263857	7.3	7.5	2.7%	9263864	7.79	7.86	0.9%								
Ni	9263857	99	105	5.9%	9263864	126	118	6.6%								
P	9263857	0.040	0.047	16.1%	9263864	0.04	0.04	0.0%								
Pb	9263857	376	416	10.1%	9263864	< 5	< 5	0.0%								
Pr	9263857	1.39	1.46	4.9%	9263864	1.52	1.50	1.3%								
Rb	9263857	65.5	66.8	2.0%	9263864	15.5	15.9	2.5%								
S	9263857	0.555	0.563	1.4%	9263864	0.75	0.71	5.5%								
Sb	9263857	6.4	6.4	0.0%	9263864	0.4	0.4	0.0%								
Sc	9263857	40	40	0.0%	9263864	47	45	4.3%								
Si	9263857	22.9	23.6	3.0%	9263864	21.5	20.6	4.3%								
Sm	9263857	2.4	2.5	4.1%	9263864	2.45	2.44	0.4%								
Sn	9263857	< 1	< 1	0.0%	9263864	< 1	< 1	0.0%								
Sr	9263857	158	159	0.6%	9263864	144	140	2.8%								
Ta	9263857	< 0.5	< 0.5	0.0%	9263864	< 0.5	< 0.5	0.0%								
Tb	9263857	0.54	0.59	8.8%	9263864	0.58	0.61	5.0%								
Th	9263857	0.4	0.4	0.0%	9263864	0.4	0.4	0.0%								
Ti	9263857	0.62	0.60	3.3%	9263864	0.614	0.594	3.3%								
Tl	9263857	< 0.5	< 0.5	0.0%	9263864	< 0.5	< 0.5	0.0%								
Tm	9263857	0.34	0.36	5.7%	9263864	0.42	0.43	2.4%								
U	9263857	0.14	0.14	0.0%	9263864	0.145	0.134	7.9%								
V	9263857	286	288	0.7%	9263864	306	297	3.0%								
W	9263857	2	2	0.0%	9263864	2	2	0.0%								
Y	9263857	20.8	21.2	1.9%	9263864	22.9	23.2	1.3%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Yb	9263857	2.4	2.4	0.0%	9263864	2.8	2.8	0.0%								
Zn	9263857	424	397	6.6%	9263864	102	101	1.0%								
Zr	9263857	59.0	60.5	2.5%	9263864	55.8	56.4	1.1%								
(201-998) 3 Acid Digest - Ag, ICP-OES finish																
	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	9263839	24.7	25.7	4.0%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag	6.39	6.64	104%	90% - 110%									6.39	6.97	109%	90% - 110%
Al	4.30	4.34	101%	90% - 110%					10.95	11.35	104%	90% - 110%	4.30	4.41	103%	90% - 110%
As	2.49	2.62	105%	90% - 110%												
Ba									340	338	99%	90% - 110%				
Be									2.6	2.9	110%	90% - 110%				
Ca	2.21	2.23	101%	90% - 110%					5.72	5.51	96%	90% - 110%	2.21	2.15	97%	90% - 110%
Ce									122	120	98%	90% - 110%				
Co	672	682	101%	90% - 110%					2.8	2.6	93%	90% - 110%	672	683	102%	90% - 110%
Cr	0.032	0.033	103%	90% - 110%									0.032	0.033	103%	90% - 110%
Cs									1.5	1.6	109%	90% - 110%				
Cu	11850	11293	95%	90% - 110%	11850	11000	93%	90% - 110%					11850	10600	90%	90% - 110%
Dy									18.2	18.6	102%	90% - 110%				
Er									14.2	14.7	104%	90% - 110%				
Eu									2.0	1.90	95%	90% - 110%				
Fe	25.54	24.75	97%	90% - 110%					4.34	4.52	104%	90% - 110%	25.54	25.53	100%	90% - 110%
Ga									35	36	102%	90% - 110%				
Gd									14	15	104%	90% - 110%				
Hf									10.6	11.2	106%	90% - 110%				
Ho									4.3	4.5	104%	90% - 110%				
La									58	57	97%	90% - 110%				
Li									37	38.1	103%	90% - 110%				
Lu									2.1	2.1	101%	90% - 110%				
Mg	1.79	1.74	97%	90% - 110%					0.325	0.315	97%	90% - 110%	1.79	1.77	99%	90% - 110%
Mn	703	673	96%	90% - 110%					836	812	97%	90% - 110%	703	659	94%	90% - 110%
Nb									13	14	106%	90% - 110%				
Nd									57	57	100%	90% - 110%				
Ni	19530	17581	90%	90% - 110%									19530	17756	91%	90% - 110%
Pb	58	63	108%	90% - 110%					10	12	115%	90% - 110%	58	59	102%	90% - 110%
Pr									15.0	14.4	96%	90% - 110%				
Rb									55	55	100%	90% - 110%				
S	14.14	14.05	99%	90% - 110%									14.14	13.53	96%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	15.23	14.33	94%	90% - 110%					23.3	22.1	95%	90% - 110%	15.23	14.52	95%	90% - 110%
Sm									12.7	12.5	99%	90% - 110%				
Sn									7.1	7.5	106%	90% - 110%				
Sr									1191	1256	105%	90% - 110%				
Ta									0.9	0.8	84%	90% - 110%				
Tb									2.6	2.7	102%	90% - 110%				
Th									1.4	1.2	84%	90% - 110%				
Ti									0.172	0.175	102%	90% - 110%				
Tm									2.3	2.2	95%	90% - 110%				
U									0.8	0.8	96%	90% - 110%				
V									8	6	74%	90% - 110%				
Y									119	116	98%	90% - 110%				
Yb									14.8	15.2	103%	90% - 110%				
Zn	235	247	105%	90% - 110%					93	87	94%	90% - 110%	235	249	106%	90% - 110%
Zr									517	567	110%	90% - 110%				
	CRM #5 (ref.SU-1b)				CRM #6 (ref.SY-4)				CRM #7 (ref.SU-1b)				CRM #8 (ref.SY-4)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									6.39	5.79	91%	90% - 110%				
Al					10.95	11.02	101%	90% - 110%	4.30	4.2	98%	90% - 110%	10.95	10.55	96%	90% - 110%
Ba					340	320	94%	90% - 110%					340	318	94%	90% - 110%
Be					2.6	2.8	106%	90% - 110%					2.6	2.7	103%	90% - 110%
Ca					5.72	5.47	96%	90% - 110%	2.21	2.09	94%	90% - 110%	5.72	5.43	95%	90% - 110%
Ce					122	126	103%	90% - 110%					122	123	101%	90% - 110%
Co					2.8	2.5	90%	90% - 110%	672	676	101%	90% - 110%	2.8	2.6	93%	90% - 110%
Cr									0.032	0.033	102%	90% - 110%				
Cs					1.5	1.6	106%	90% - 110%					1.5	1.6	104%	90% - 110%
Cu	11850	11266	95%	90% - 110%					11850	11156	94%	90% - 110%				
Dy					18.2	20	110%	90% - 110%					18.2	19.3	106%	90% - 110%
Er					14.2	15.3	108%	90% - 110%					14.2	15.2	107%	90% - 110%
Eu					2.0	1.92	96%	90% - 110%					2.0	1.93	96%	90% - 110%
Fe					4.34	4.4	101%	90% - 110%	25.54	25.82	101%	90% - 110%	4.34	4.35	100%	90% - 110%
Ga					35	35	100%	90% - 110%					35	35	101%	90% - 110%
Gd					14	15	110%	90% - 110%					14	15	108%	90% - 110%
Hf					10.6	11.6	110%	90% - 110%					10.6	11.1	105%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Ho					4.3	4.6	107%	90% - 110%					4.3	4.6	108%	90% - 110%
K					1.37	1.44	105%	90% - 110%					1.37	1.37	100%	90% - 110%
La					58	59	102%	90% - 110%					58	58	100%	90% - 110%
Li					37	38.9	105%	90% - 110%					37	37.5	101%	90% - 110%
Lu					2.1	2.2	106%	90% - 110%					2.1	2.2	105%	90% - 110%
Mg					0.325	0.307	95%	90% - 110%	1.79	1.7	95%	90% - 110%	0.325	0.301	92%	90% - 110%
Mn					836	768	92%	90% - 110%	703	653	93%	90% - 110%	836	759	91%	90% - 110%
Nb					13	14	105%	90% - 110%					13	13	103%	90% - 110%
Nd					57	60	106%	90% - 110%					57	60	104%	90% - 110%
Ni					9	7	80%	90% - 110%	19530	17514	90%	90% - 110%	9	8	85%	90% - 110%
Pb					10	9	94%	90% - 110%	58	59	102%	90% - 110%	10	11	110%	90% - 110%
Pr					15.0	15.2	101%	90% - 110%					15.0	14.9	99%	90% - 110%
Rb					55	54	99%	90% - 110%					55	54	99%	90% - 110%
S									14.14	13.12	93%	90% - 110%				
Si					23.3	22.9	98%	90% - 110%	15.23	14.96	98%	90% - 110%	23.3	22.3	96%	90% - 110%
Sm					12.7	13.2	104%	90% - 110%					12.7	12.7	100%	90% - 110%
Sn					7.1	7.4	104%	90% - 110%					7.1	7.4	104%	90% - 110%
Sr					1191	1193	100%	90% - 110%					1191	1173	98%	90% - 110%
Ta					0.9	0.8	90%	90% - 110%					0.9	0.8	94%	90% - 110%
Tb					2.6	2.8	109%	90% - 110%					2.6	2.7	104%	90% - 110%
Th					1.4	1.4	97%	90% - 110%					1.4	1.2	85%	90% - 110%
Ti					0.172	0.168	98%	90% - 110%					0.172	0.165	96%	90% - 110%
Tm					2.3	2.4	104%	90% - 110%					2.3	2.3	100%	90% - 110%
U					0.8	0.9	117%	90% - 110%					0.8	0.8	95%	90% - 110%
Y					119	116	97%	90% - 110%					119	115	97%	90% - 110%
Yb					14.8	16.1	109%	90% - 110%					14.8	15.6	105%	90% - 110%
Zn					93	85	92%	90% - 110%	235	220	93%	90% - 110%	93	82.8	89%	90% - 110%
Zr					517	565	109%	90% - 110%					517	563	109%	90% - 110%
	CRM #9 (ref.SU-1b)				CRM #10 (ref.SY-4)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag	6.39	5.96	93%	90% - 110%												
Al	4.30	4.43	103%	90% - 110%	10.95	11.65	106%	90% - 110%								
Ba					340	344	101%	90% - 110%								
Ca	2.21	2.24	101%	90% - 110%	5.72	5.91	103%	90% - 110%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Co	672	675	101%	90% - 110%																
Cr	0.032	0.034	107%	90% - 110%																
Cu	11850	11829	100%	90% - 110%	7	5	71%	90% - 110%												
Fe	25.54	26.23	103%	90% - 110%	4.34	4.75	109%	90% - 110%												
K					1.37	1.38	101%	90% - 110%												
Li					37	36.6	99%	90% - 110%												
Mg	1.79	1.84	103%	90% - 110%	0.325	0.334	103%	90% - 110%												
Mn	703	682	97%	90% - 110%	836	804	96%	90% - 110%												
Ni	19530	18404	94%	90% - 110%	9	8	84%	90% - 110%												
Pb	58	58	101%	90% - 110%																
S	14.14	14.1	100%	90% - 110%																
Si	15.23	15.72	103%	90% - 110%	23.3	23.5	101%	90% - 110%												
Sr					1191	1276	107%	90% - 110%												
Ti					0.172	0.179	104%	90% - 110%												
V					8	6	75%	90% - 110%												
Zn	235	248	105%	90% - 110%	93	91.2	98%	90% - 110%												

(201-998) 3 Acid Digest - Ag, ICP-OES finish

CRM #1 (ref.ME-1206)																				
Parameter	Expect	Actual	Recovery	Limits																
Ag	274	278	102%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-130B
 SAMPLING SITE:

AGAT WORK ORDER: 18T342008
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-130B
SAMPLING SITE:

AGAT WORK ORDER: 18T342008
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Ag	MIN-200-12002/12020		ICP/OES
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DHH-131A

AGAT WORK ORDER: 18T351995

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Aug 27, 2018

PAGES (INCLUDING COVER): 33

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6559619 (9339325)		3.15
E6559620 (9339326)		2.38
E6559621 (9339327)		2.47
E6559622 (9339328)		2.80
E6559623 (9339329)		2.90
E6559624 (9339330)		2.83
E6559625 (9339331)		2.89
E6559626 (9339332)		0.01
E6559627 (9339333)		2.21
E6559628 (9339334)		2.18
E6559629 (9339335)		2.31
E6559630 (9339336)		2.27
E6559631 (9339337)		2.61
E6559632 (9339338)		1.63
E6559633 (9339339)		2.62
E6559634 (9339340)		2.65
E6559635 (9339341)		2.67
E6559636 (9339342)		2.67
E6559637 (9339343)		2.38
E6559638 (9339344)		2.38
E6559639 (9339345)		2.62
E6559640 (9339346)		2.67
E6559641 (9339347)		2.70
E6559642 (9339348)		2.61
E6559643 (9339349)		3.09
E6559644 (9339350)		3.22
E6559645 (9339351)		2.91
E6559646 (9339352)		0.01
E6559647 (9339353)		2.20
E6559648 (9339354)		2.19
E6559649 (9339355)		2.43

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6559650 (9339356)		2.57
E6559651 (9339357)		2.38
E6559652 (9339358)		1.65
E6559653 (9339359)		3.24
E6559654 (9339360)		2.95
E6559655 (9339361)		2.91
E6559656 (9339362)		2.71
E6559657 (9339363)		2.64
E6559658 (9339364)		2.64
E6559659 (9339365)		2.48
E6559660 (9339366)		2.67
E6559661 (9339367)		2.81
E6559662 (9339368)		2.72
E6559663 (9339369)		2.56
E6559664 (9339370)		2.46
E6559665 (9339371)		2.82
E6559666 (9339372)		0.01
E6559667 (9339373)		3.11
E6559668 (9339374)		2.65
E6559669 (9339375)		2.78
E6559670 (9339376)		3.24
E6559671 (9339377)		2.43
E6559672 (9339378)		1.71
E6559673 (9339379)		2.52
E6559674 (9339380)		2.32
E6559675 (9339381)		2.27
E6559676 (9339382)		2.14
E6559677 (9339383)		1.12
E6559678 (9339384)		1.12
E6559679 (9339385)		1.76
E6559680 (9339386)		2.09

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6559681 (9339387)		1.79
E6559682 (9339388)		2.10
E6559683 (9339389)		3.42
E6559684 (9339390)		2.66
E6559685 (9339391)		1.89
E6559686 (9339392)		0.01
E6559687 (9339393)		1.29
E6559688 (9339394)		1.83
E6559689 (9339395)		2.30
E6559690 (9339396)		1.17
E6559691 (9339397)		1.79
E6559692 (9339398)		1.45
E6559693 (9339399)		1.88
E6559694 (9339400)		2.25
E6559695 (9339401)		2.21
E6559696 (9339402)		1.95
E6559697 (9339403)		1.95
E6559698 (9339404)		1.95
E6559699 (9339405)		1.67
E6559700 (9339406)		1.63
E6559701 (9339407)		1.58
E6559702 (9339408)		2.46
E6559703 (9339409)		2.44
E6559704 (9339410)		2.75
E6559705 (9339411)		2.57
E6559706 (9339412)		0.01
E6559707 (9339413)		2.80
E6559708 (9339414)		2.46
E6559709 (9339415)		2.49
E6559710 (9339416)		2.71
E6559711 (9339417)		3.02

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID)	RDL: 0.01
E6559712 (9339418)	1.80

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 18, 2018

DATE REPORTED: Aug 27, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6559619 (9339325)	<1	8.09	27	<20	262	<5	0.5	7.65	1.0	12.9	61.4	0.027	0.6	172
E6559620 (9339326)	<1	7.82	20	<20	228	<5	0.3	5.03	0.7	11.4	46.5	0.027	1.7	56
E6559621 (9339327)	3	8.25	7	<20	213	<5	0.1	7.24	<0.2	11.8	57.2	0.028	3.3	65
E6559622 (9339328)	<1	7.62	8	<20	226	<5	0.2	7.13	<0.2	9.2	57.8	0.027	5.0	97
E6559623 (9339329)	<1	8.07	6	<20	228	<5	0.2	7.77	0.2	11.7	48.8	0.029	2.3	56
E6559624 (9339330)	1	7.61	17	<20	91.5	<5	0.3	5.42	<0.2	10.3	49.6	0.025	0.8	171
E6559625 (9339331)	<1	7.90	7	<20	194	<5	0.2	5.51	<0.2	11.3	63.7	0.028	6.2	105
E6559626 (9339332)	1	4.57	602	107	175	<5	7.1	4.11	<0.2	71.3	989	0.006	3.0	3130
E6559627 (9339333)	<1	8.24	7	<20	215	<5	0.7	6.70	0.3	12.3	56.9	0.028	1.8	83
E6559628 (9339334)	<1	7.86	28	24	220	<5	0.3	4.93	0.5	11.5	60.1	0.027	1.4	55
E6559629 (9339335)	6	7.65	7	<20	215	<5	0.3	7.23	<0.2	12.0	56.4	0.028	1.1	57
E6559630 (9339336)	1	7.15	7	40	215	<5	0.3	6.98	<0.2	12.3	56.8	0.026	1.8	108
E6559631 (9339337)	1	7.66	7	<20	258	<5	0.3	6.16	0.2	11.7	65.9	0.026	3.1	95
E6559632 (9339338)	1	0.08	<5	<20	13.9	<5	0.1	33.5	<0.2	1.3	1.2	<0.005	<0.1	<5
E6559633 (9339339)	<1	7.35	16	<20	177	<5	0.3	7.29	<0.2	10.9	62.3	0.024	1.4	67
E6559634 (9339340)	<1	7.63	8	<20	236	<5	0.2	5.94	<0.2	11.2	53.1	0.026	0.8	65
E6559635 (9339341)	<1	8.06	7	<20	233	<5	0.2	5.99	<0.2	12.1	67.2	0.028	1.5	82
E6559636 (9339342)	<1	7.50	<5	<20	238	<5	0.2	6.94	<0.2	11.2	65.9	0.027	3.8	98
E6559637 (9339343)	<1	7.69	<5	34	251	<5	0.1	7.33	<0.2	12.0	59.6	0.033	3.7	111
E6559638 (9339344)	<1	8.03	6	<20	218	<5	0.2	5.91	0.2	11.2	57.6	0.027	4.7	132
E6559639 (9339345)	<1	8.20	17	<20	260	<5	0.2	6.03	0.2	12.3	66.7	0.028	2.3	115
E6559640 (9339346)	<1	8.22	12	<20	230	<5	0.2	6.22	<0.2	12.6	62.3	0.027	1.4	118
E6559641 (9339347)	<1	7.83	24	<20	140	<5	0.2	5.64	0.3	10.4	64.1	0.026	2.1	86
E6559642 (9339348)	<1	7.97	19	<20	167	<5	0.2	5.78	0.2	12.0	58.5	0.027	1.2	50
E6559643 (9339349)	<1	7.52	26	24	268	<5	0.2	5.45	<0.2	12.2	63.5	0.025	0.6	87
E6559644 (9339350)	<1	7.17	60	27	133	<5	0.4	6.60	11.9	11.4	84.6	0.024	0.6	83
E6559645 (9339351)	<1	7.89	14	<20	136	<5	0.3	6.03	<0.2	11.8	65.7	0.026	1.7	107
E6559646 (9339352)	<1	4.43	592	104	176	<5	6.9	4.23	<0.2	71.2	1010	0.006	2.9	3140
E6559647 (9339353)	<1	7.67	14	<20	176	<5	0.6	7.15	<0.2	11.6	60.2	0.026	0.6	68
E6559648 (9339354)	<1	7.87	14	<20	148	<5	0.4	6.57	1.2	12.0	62.5	0.028	0.8	249
E6559649 (9339355)	<1	7.87	14	<20	108	<5	0.3	6.35	<0.2	11.9	62.1	0.027	1.3	100
E6559650 (9339356)	<1	8.09	16	<20	153	<5	0.3	6.82	0.4	11.9	64.0	0.028	1.4	79

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6559651 (9339357)	<1	7.83	15	<20	209	<5	0.2	6.70	0.3	13.3	57.1	0.026	0.7	45	
E6559652 (9339358)	<1	0.08	<5	<20	14.6	<5	0.1	35.2	<0.2	1.1	1.2	<0.005	<0.1	<5	
E6559653 (9339359)	<1	8.10	16	<20	200	<5	0.2	6.00	<0.2	12.5	70.3	0.027	2.9	89	
E6559654 (9339360)	<1	7.29	7	<20	151	<5	0.2	6.45	<0.2	11.6	58.7	0.025	0.7	97	
E6559655 (9339361)	<1	7.65	6	<20	168	<5	0.1	6.47	<0.2	11.4	56.2	0.026	1.4	77	
E6559656 (9339362)	<1	7.84	6	<20	175	<5	0.2	7.01	<0.2	12.6	58.1	0.027	1.7	75	
E6559657 (9339363)	<1	7.31	15	<20	151	<5	0.2	7.51	1.1	11.8	62.5	0.026	1.3	117	
E6559658 (9339364)	<1	7.31	17	<20	144	<5	0.2	7.70	1.4	11.9	63.5	0.026	1.2	120	
E6559659 (9339365)	<1	8.05	9	<20	159	<5	0.2	6.21	<0.2	11.0	59.9	0.028	1.9	92	
E6559660 (9339366)	<1	7.57	10	22	174	<5	0.2	6.99	0.4	12.9	57.5	0.026	0.7	41	
E6559661 (9339367)	<1	7.50	17	<20	330	<5	0.2	5.15	0.2	11.4	59.8	0.026	0.7	41	
E6559662 (9339368)	<1	7.93	14	<20	276	<5	0.2	6.08	<0.2	11.7	57.8	0.027	0.8	65	
E6559663 (9339369)	<1	7.34	8	<20	254	<5	0.2	6.55	<0.2	11.2	57.2	0.024	1.2	61	
E6559664 (9339370)	<1	7.56	5	<20	192	<5	0.2	7.01	<0.2	11.9	62.1	0.025	1.1	92	
E6559665 (9339371)	<1	7.16	<5	<20	230	<5	0.3	8.06	<0.2	12.2	68.4	0.024	2.7	258	
E6559666 (9339372)	<1	4.36	549	103	178	<5	7.0	4.22	<0.2	69.1	1020	0.006	2.6	3230	
E6559667 (9339373)	<1	7.30	<5	<20	180	<5	0.7	7.77	<0.2	11.5	64.4	0.025	3.0	156	
E6559668 (9339374)	<1	7.05	<5	31	207	<5	<0.1	8.12	<0.2	12.3	68.5	0.024	2.6	175	
E6559669 (9339375)	2	7.50	<5	<20	159	<5	0.4	7.08	<0.2	12.5	66.8	0.026	1.5	129	
E6559670 (9339376)	<1	8.34	<5	<20	201	<5	0.3	7.40	<0.2	11.5	62.2	0.026	2.0	127	
E6559671 (9339377)	<1	8.23	14	<20	282	<5	0.4	7.28	<0.2	13.6	60.3	0.025	0.5	86	
E6559672 (9339378)	<1	0.13	<5	<20	15.6	<5	<0.1	32.1	<0.2	1.1	1.3	<0.005	<0.1	5	
E6559673 (9339379)	<1	8.16	<5	<20	229	<5	0.2	8.11	0.2	11.9	52.7	0.024	1.5	101	
E6559674 (9339380)	<1	8.18	11	<20	231	<5	0.3	6.16	<0.2	11.8	51.9	0.025	1.8	122	
E6559675 (9339381)	<1	8.41	13	<20	144	<5	0.2	6.53	<0.2	13.2	49.7	0.025	0.8	57	
E6559676 (9339382)	<1	8.41	20	<20	158	<5	<0.1	6.62	0.4	13.0	63.7	0.025	2.0	165	
E6559677 (9339383)	<1	8.70	48	<20	217	<5	0.7	4.23	0.7	15.2	47.0	0.026	2.4	112	
E6559678 (9339384)	3	8.72	46	<20	217	<5	0.7	4.22	0.7	15.5	45.7	0.030	2.5	112	
E6559679 (9339385)	<1	6.25	87	<20	110	<5	0.4	5.29	<0.2	66.9	45.7	0.040	0.4	70	
E6559680 (9339386)	<1	6.97	61	<20	113	<5	0.5	5.75	<0.2	63.1	59.3	0.035	0.5	123	
E6559681 (9339387)	<1	8.25	34	<20	235	<5	0.5	5.79	<0.2	15.7	45.3	0.025	0.6	38	
E6559682 (9339388)	<1	8.19	33	<20	128	<5	1.7	4.44	0.2	10.9	32.3	0.025	0.5	234	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6559683 (9339389)	<1	7.75	27	<20	192	<5	0.6	5.75	<0.2	12.7	43.8	0.024	1.0	81	
E6559684 (9339390)	<1	7.97	49	<20	196	<5	0.9	5.59	<0.2	13.2	59.7	0.024	1.7	355	
E6559685 (9339391)	<1	8.23	27	24	300	<5	0.4	3.32	<0.2	13.7	30.4	0.024	2.7	334	
E6559686 (9339392)	102	3.82	126000	25	2.2	<5	1160	12.6	0.4	31.8	38000	0.030	0.9	75	
E6559687 (9339393)	2	8.45	170	<20	663	<5	15.8	1.43	<0.2	85.7	58.4	0.009	0.3	135	
E6559688 (9339394)	<1	8.98	73	<20	14.8	<5	4.5	0.36	<0.2	67.7	125	0.008	0.6	9	
E6559689 (9339395)	<1	9.64	27	<20	21.7	<5	1.6	0.37	<0.2	36.2	27.9	0.008	0.2	8	
E6559690 (9339396)	<1	9.78	25	<20	14.7	<5	1.1	0.41	<0.2	8.8	46.6	0.009	0.4	6	
E6559691 (9339397)	<1	8.80	41	<20	4.1	<5	0.8	0.33	<0.2	111	92.8	0.009	0.8	6	
E6559692 (9339398)	<1	0.14	5	<20	13.1	<5	0.4	33.3	<0.2	1.9	1.3	<0.005	<0.1	<5	
E6559693 (9339399)	<1	9.50	518	<20	11.1	<5	2.1	1.24	<0.2	8.0	424	0.008	0.6	6	
E6559694 (9339400)	<1	9.33	201	<20	9.0	<5	1.0	0.31	<0.2	30.1	158	0.007	0.6	9	
E6559695 (9339401)	<1	9.86	116	<20	12.1	<5	0.8	0.26	<0.2	35.9	97.1	0.006	0.5	7	
E6559696 (9339402)	<1	9.43	336	<20	8.0	<5	1.2	1.45	<0.2	253	253	0.009	0.5	6	
E6559697 (9339403)	<1	10.1	185	<20	11.1	<5	0.5	0.33	<0.2	6.5	139	0.014	0.7	6	
E6559698 (9339404)	<1	9.55	165	<20	12.0	<5	0.4	0.36	<0.2	6.2	119	0.008	0.7	11	
E6559699 (9339405)	3	9.84	327	<20	83.8	<5	0.9	0.51	<0.2	10.7	244	0.009	1.0	40	
E6559700 (9339406)	1	9.42	11	<20	43.5	<5	0.3	0.34	<0.2	16.2	9.6	0.009	0.5	197	
E6559701 (9339407)	<1	8.08	10	<20	425	<5	0.2	1.88	<0.2	38.5	21.4	0.008	0.6	131	
E6559702 (9339408)	<1	8.06	6	<20	901	<5	0.2	2.12	<0.2	34.6	13.9	0.009	0.6	74	
E6559703 (9339409)	<1	7.92	10	<20	496	<5	0.1	2.08	<0.2	28.6	18.2	0.008	0.8	101	
E6559704 (9339410)	<1	6.17	36	<20	222	<5	0.7	4.83	<0.2	11.6	36.0	0.020	0.6	141	
E6559705 (9339411)	<1	7.23	21	<20	263	<5	0.4	7.50	<0.2	12.8	44.5	0.022	0.9	62	
E6559706 (9339412)	<1	4.75	618	100	176	<5	7.5	4.17	<0.2	71.4	1030	0.006	2.9	2970	
E6559707 (9339413)	<1	7.51	19	<20	243	<5	0.7	5.92	<0.2	11.2	43.1	0.023	1.4	61	
E6559708 (9339414)	<1	7.49	22	<20	242	<5	0.7	5.99	<0.2	11.5	49.3	0.023	2.0	86	
E6559709 (9339415)	<1	8.10	26	<20	284	<5	0.3	6.12	<0.2	11.4	55.6	0.025	3.6	89	
E6559710 (9339416)	<1	7.66	21	<20	243	<5	0.6	5.46	0.2	11.6	47.4	0.023	0.9	32	
E6559711 (9339417)	<1	7.74	27	<20	291	<5	0.5	6.76	0.5	12.7	56.6	0.020	3.6	288	
E6559712 (9339418)	<1	0.11	<5	<20	15.3	<5	0.1	33.1	<0.2	1.1	1.2	<0.005	<0.1	5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018		DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6559619 (9339325)	4.56	2.81	1.17	10.8	20.5	3.70	2	2	0.90	<0.2	1.01	5.2	14	0.40	
E6559620 (9339326)	4.30	2.72	0.96	9.90	18.1	3.37	2	2	0.86	<0.2	0.96	4.5	21	0.39	
E6559621 (9339327)	4.20	2.89	0.90	8.95	18.5	3.43	2	2	0.88	<0.2	0.98	4.7	18	0.39	
E6559622 (9339328)	3.88	2.50	0.97	9.48	17.3	2.92	2	2	0.81	<0.2	1.05	3.5	21	0.34	
E6559623 (9339329)	4.09	2.76	1.02	9.07	18.4	3.38	2	2	0.85	<0.2	0.86	4.6	14	0.37	
E6559624 (9339330)	3.64	2.21	0.87	9.15	17.8	3.06	2	2	0.74	<0.2	0.53	4.1	11	0.33	
E6559625 (9339331)	3.96	2.61	0.93	8.83	19.1	3.21	2	2	0.85	<0.2	1.11	4.4	26	0.39	
E6559626 (9339332)	3.39	2.05	1.07	3.25	12.6	4.24	2	4	0.67	0.3	3.67	36.1	11	0.29	
E6559627 (9339333)	4.20	2.72	0.99	9.44	18.1	3.28	2	2	0.89	<0.2	0.95	4.9	25	0.40	
E6559628 (9339334)	4.04	2.60	1.06	8.68	18.3	3.29	2	2	0.84	<0.2	1.14	5.3	39	0.36	
E6559629 (9339335)	4.38	2.90	0.94	8.65	18.5	3.38	2	2	0.92	<0.2	0.92	4.6	14	0.41	
E6559630 (9339336)	4.44	2.78	0.99	9.69	18.5	3.50	2	2	0.88	<0.2	0.97	4.9	16	0.40	
E6559631 (9339337)	4.10	2.66	1.05	9.32	18.8	3.24	2	2	0.83	<0.2	1.19	4.6	26	0.37	
E6559632 (9339338)	0.27	0.16	0.08	0.15	0.26	0.25	<1	<1	0.05	<0.2	<0.05	1.4	<10	<0.05	
E6559633 (9339339)	3.78	2.51	0.86	8.90	17.0	3.14	2	2	0.78	<0.2	0.72	4.4	13	0.33	
E6559634 (9339340)	4.29	2.79	0.85	9.47	16.9	3.38	2	2	0.88	<0.2	0.84	4.3	11	0.38	
E6559635 (9339341)	4.22	2.68	1.00	8.76	19.9	3.43	2	2	0.86	<0.2	1.03	4.6	13	0.38	
E6559636 (9339342)	4.31	2.77	0.87	9.95	19.2	3.48	2	2	0.92	<0.2	1.15	4.3	21	0.38	
E6559637 (9339343)	4.36	2.84	0.93	10.1	17.3	3.65	2	2	0.90	<0.2	1.15	4.6	16	0.43	
E6559638 (9339344)	4.19	2.69	0.91	9.30	18.0	3.41	2	2	0.88	<0.2	0.98	4.3	20	0.40	
E6559639 (9339345)	4.42	2.87	1.02	9.05	20.7	3.55	2	2	0.90	<0.2	0.81	4.8	17	0.41	
E6559640 (9339346)	4.53	2.94	1.09	8.95	20.8	3.68	2	2	0.91	<0.2	0.78	4.8	11	0.42	
E6559641 (9339347)	3.91	2.53	0.84	9.78	17.5	3.01	2	2	0.82	<0.2	0.65	4.0	19	0.37	
E6559642 (9339348)	4.58	2.94	1.02	9.10	18.1	3.43	2	2	0.95	<0.2	0.69	4.7	13	0.40	
E6559643 (9339349)	4.40	2.82	1.02	9.04	19.7	3.42	2	2	0.90	<0.2	0.89	4.8	13	0.39	
E6559644 (9339350)	4.44	2.82	1.03	10.2	19.2	3.43	2	2	0.91	0.3	0.75	4.6	11	0.40	
E6559645 (9339351)	4.30	2.78	1.03	8.73	20.2	3.48	2	2	0.89	<0.2	0.69	4.5	12	0.39	
E6559646 (9339352)	3.37	1.97	0.96	3.32	12.4	4.04	2	4	0.64	0.2	3.40	35.8	<10	0.29	
E6559647 (9339353)	4.17	2.67	0.90	8.72	19.0	3.32	2	2	0.87	<0.2	0.79	4.6	11	0.36	
E6559648 (9339354)	4.37	2.79	0.96	9.05	18.9	3.50	1	2	0.92	<0.2	0.59	4.7	13	0.39	
E6559649 (9339355)	4.30	2.65	0.96	8.36	18.5	3.43	2	2	0.87	<0.2	0.50	4.5	13	0.37	
E6559650 (9339356)	4.25	2.70	0.99	9.12	20.1	3.45	2	2	0.88	<0.2	0.68	4.5	14	0.39	

Certified By:



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AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6559651 (9339357)	4.63	2.83	1.11	9.79	20.0	3.76	2	2	0.93	<0.2	0.82	5.4	14	0.41	
E6559652 (9339358)	0.24	0.15	0.16	0.14	0.29	0.20	<1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05	
E6559653 (9339359)	4.18	2.56	1.00	8.71	20.7	3.35	2	2	0.84	<0.2	0.82	4.8	18	0.39	
E6559654 (9339360)	4.21	2.69	0.91	10.4	19.5	3.34	2	2	0.89	<0.2	0.49	4.5	16	0.39	
E6559655 (9339361)	4.23	2.81	0.93	9.54	18.6	3.40	2	2	0.89	<0.2	0.62	4.3	18	0.38	
E6559656 (9339362)	4.31	2.77	1.01	9.11	20.0	3.55	2	2	0.92	<0.2	0.74	5.0	18	0.40	
E6559657 (9339363)	4.27	2.71	1.10	9.62	18.8	3.35	2	2	0.85	<0.2	0.63	4.7	14	0.39	
E6559658 (9339364)	4.21	2.69	0.99	9.61	18.5	3.34	2	2	0.87	<0.2	0.62	4.7	15	0.40	
E6559659 (9339365)	4.27	2.61	0.95	8.43	18.4	3.36	2	2	0.89	<0.2	0.61	4.2	16	0.38	
E6559660 (9339366)	4.40	2.79	0.99	9.03	19.0	3.45	2	2	0.88	<0.2	0.61	5.2	11	0.39	
E6559661 (9339367)	4.23	2.52	1.01	9.15	18.7	3.42	2	2	0.83	<0.2	0.66	4.4	16	0.37	
E6559662 (9339368)	4.34	2.76	1.01	9.28	19.2	3.37	2	2	0.92	<0.2	0.83	4.6	15	0.41	
E6559663 (9339369)	4.16	2.70	1.04	9.53	17.7	3.26	2	2	0.85	<0.2	0.71	4.4	18	0.38	
E6559664 (9339370)	4.62	2.89	1.23	9.03	18.7	3.52	2	2	0.92	<0.2	0.71	4.7	13	0.39	
E6559665 (9339371)	4.50	3.02	1.04	12.1	18.6	3.63	2	2	0.95	<0.2	0.91	4.8	19	0.45	
E6559666 (9339372)	3.29	1.97	0.98	3.29	11.5	3.88	2	4	0.63	0.3	3.26	34.3	10	0.28	
E6559667 (9339373)	4.65	2.96	0.95	10.7	19.9	3.64	2	2	0.96	<0.2	0.81	4.5	17	0.41	
E6559668 (9339374)	4.61	2.95	0.96	10.8	19.4	3.96	2	2	0.99	<0.2	0.86	4.9	14	0.45	
E6559669 (9339375)	4.72	2.96	1.07	9.34	20.1	3.71	2	2	0.96	<0.2	0.66	5.0	12	0.42	
E6559670 (9339376)	4.28	2.72	0.99	9.55	19.5	3.41	2	2	0.87	<0.2	0.86	4.5	16	0.39	
E6559671 (9339377)	4.51	2.87	1.04	9.22	20.3	3.57	2	2	0.89	<0.2	0.83	5.5	10	0.41	
E6559672 (9339378)	0.29	0.18	0.06	0.19	0.40	0.25	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05	
E6559673 (9339379)	4.20	2.61	0.96	10.1	19.3	3.42	2	2	0.86	<0.2	0.79	4.8	14	0.38	
E6559674 (9339380)	4.14	2.68	1.08	9.29	18.8	3.39	2	2	0.88	<0.2	0.84	4.6	16	0.37	
E6559675 (9339381)	4.55	3.04	1.13	9.39	19.4	3.70	2	2	0.96	<0.2	0.60	5.3	15	0.40	
E6559676 (9339382)	4.37	2.88	1.03	9.07	21.3	3.75	2	2	0.97	<0.2	0.66	5.1	14	0.43	
E6559677 (9339383)	4.45	2.83	1.33	8.54	20.2	3.59	2	2	0.89	<0.2	0.73	7.0	29	0.39	
E6559678 (9339384)	4.61	2.88	1.27	8.61	20.7	3.61	2	2	0.93	<0.2	0.75	7.3	29	0.40	
E6559679 (9339385)	4.74	2.08	2.29	7.97	17.7	6.97	2	4	0.77	<0.2	0.39	27.9	22	0.25	
E6559680 (9339386)	4.97	2.57	2.27	9.07	18.7	6.58	2	3	0.89	<0.2	0.32	28.2	23	0.31	
E6559681 (9339387)	4.72	2.83	1.86	9.49	20.6	4.05	2	2	0.94	<0.2	0.73	6.8	21	0.40	
E6559682 (9339388)	4.16	2.61	1.18	10.5	18.3	3.31	1	2	0.87	<0.2	0.46	4.5	29	0.37	

Certified By:



Certificate of Analysis

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PROJECT: DHH-131A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6559683 (9339389)	4.18	2.58	1.03	9.78	17.5	3.24	2	2	0.87	<0.2	0.69	5.2	21	0.37	
E6559684 (9339390)	4.51	2.86	1.12	9.46	18.0	3.57	2	2	0.93	<0.2	0.73	5.2	23	0.39	
E6559685 (9339391)	4.61	2.75	1.30	8.55	18.3	3.63	2	2	0.89	<0.2	1.39	5.5	66	0.34	
E6559686 (9339392)	13.8	6.57	0.96	9.17	17.2	12.2	2	<1	2.40	0.5	<0.05	12.3	36	0.66	
E6559687 (9339393)	2.51	1.24	1.49	2.38	18.4	4.59	1	3	0.42	<0.2	1.03	43.1	18	0.14	
E6559688 (9339394)	3.14	1.51	1.54	9.03	24.2	4.55	2	4	0.54	<0.2	0.67	34.5	36	0.20	
E6559689 (9339395)	3.43	1.79	0.96	2.97	14.0	3.57	<1	3	0.62	<0.2	1.03	16.4	14	0.21	
E6559690 (9339396)	4.02	2.14	0.70	7.26	20.2	2.87	1	4	0.76	<0.2	0.31	3.0	35	0.26	
E6559691 (9339397)	3.29	1.78	1.12	10.9	28.5	3.94	2	4	0.59	<0.2	0.07	50.4	38	0.22	
E6559692 (9339398)	0.27	0.19	0.08	0.22	0.43	0.26	1	<1	0.06	<0.2	<0.05	1.6	<10	<0.05	
E6559693 (9339399)	2.24	1.40	0.54	7.35	20.0	1.75	1	4	0.45	<0.2	0.18	2.8	27	0.19	
E6559694 (9339400)	2.27	1.25	0.52	9.36	21.9	2.12	2	3	0.43	<0.2	0.20	12.7	35	0.18	
E6559695 (9339401)	2.52	1.32	0.68	8.95	18.4	2.46	1	3	0.46	<0.2	0.31	14.9	36	0.17	
E6559696 (9339402)	4.70	2.31	1.78	8.14	19.1	7.06	2	4	0.83	<0.2	0.20	114	34	0.29	
E6559697 (9339403)	2.37	1.43	0.59	8.21	19.9	1.87	1	3	0.46	<0.2	0.15	2.1	35	0.20	
E6559698 (9339404)	2.13	1.28	0.49	8.23	18.9	1.84	1	4	0.41	<0.2	0.18	1.9	37	0.20	
E6559699 (9339405)	2.33	1.28	0.73	12.1	28.3	2.04	2	3	0.45	<0.2	0.84	4.3	70	0.20	
E6559700 (9339406)	1.95	1.21	0.74	2.42	16.3	2.05	<1	3	0.38	<0.2	1.33	7.2	15	0.16	
E6559701 (9339407)	2.00	0.94	1.16	2.69	21.1	2.77	1	3	0.34	<0.2	0.58	19.0	13	0.11	
E6559702 (9339408)	1.74	0.78	1.15	2.73	20.5	2.79	1	3	0.30	<0.2	0.66	16.9	12	0.10	
E6559703 (9339409)	1.68	0.80	0.95	2.96	19.1	2.43	1	3	0.29	<0.2	0.59	13.7	12	0.11	
E6559704 (9339410)	3.23	2.05	0.93	8.51	17.1	2.66	2	1	0.65	<0.2	0.61	5.2	28	0.28	
E6559705 (9339411)	4.04	2.51	1.22	9.57	19.9	3.13	3	2	0.81	<0.2	0.81	5.6	23	0.33	
E6559706 (9339412)	3.37	2.06	1.00	3.34	13.0	4.20	2	4	0.65	0.3	3.19	35.6	11	0.28	
E6559707 (9339413)	4.06	2.66	0.98	9.59	17.9	3.15	2	2	0.84	<0.2	0.78	4.4	26	0.35	
E6559708 (9339414)	4.06	2.57	1.11	9.16	18.1	3.26	2	2	0.82	<0.2	0.83	4.5	28	0.36	
E6559709 (9339415)	4.20	2.67	1.07	9.81	19.0	3.33	2	2	0.90	<0.2	1.08	4.4	32	0.39	
E6559710 (9339416)	4.20	2.51	0.99	9.71	18.5	3.33	2	2	0.83	<0.2	0.80	4.5	31	0.37	
E6559711 (9339417)	4.27	2.75	1.24	11.2	20.2	3.45	2	2	0.87	<0.2	1.11	5.3	29	0.41	
E6559712 (9339418)	0.26	0.17	0.10	0.16	0.32	0.23	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6559619 (9339325)	3.65	2430	5	3	9.8	105	0.04	124	1.88	29.0	0.24	1.0	46	20.6	
E6559620 (9339326)	3.75	2290	6	3	9.1	97	0.03	67	1.76	28.6	0.05	0.4	41	21.1	
E6559621 (9339327)	3.20	2130	5	3	9.6	108	0.03	46	1.76	43.0	0.05	0.4	43	22.0	
E6559622 (9339328)	3.11	2190	10	3	7.6	103	0.04	72	1.44	52.7	0.15	0.5	39	22.3	
E6559623 (9339329)	2.66	2070	17	3	9.1	100	0.04	87	1.73	36.7	0.07	0.9	39	21.3	
E6559624 (9339330)	2.68	2030	4	2	7.9	92	0.03	12	1.50	14.4	0.35	0.9	33	22.0	
E6559625 (9339331)	2.87	1950	6	3	8.7	111	0.03	15	1.69	57.7	0.23	0.6	41	22.9	
E6559626 (9339332)	2.59	466	13	8	32.3	166	0.06	13	8.26	115	1.61	2.1	7	25.3	
E6559627 (9339333)	2.91	1990	6	3	9.1	105	0.03	48	1.78	36.6	0.12	0.5	42	22.1	
E6559628 (9339334)	3.14	1860	4	3	9.3	110	0.03	28	1.79	33.3	0.08	0.9	41	21.4	
E6559629 (9339335)	2.52	1970	7	3	9.5	102	0.03	6	1.78	35.3	0.06	1.0	40	21.1	
E6559630 (9339336)	2.95	2280	24	2	9.3	95	0.04	13	1.82	38.3	0.22	1.3	44	20.7	
E6559631 (9339337)	2.83	2130	4	3	9.2	102	0.03	13	1.72	53.6	0.15	0.8	39	21.7	
E6559632 (9339338)	1.83	61	<2	<1	1.1	<5	<0.01	6	0.24	0.8	<0.01	1.1	<5	3.03	
E6559633 (9339339)	2.75	1980	6	3	8.6	92	0.03	18	1.62	25.9	0.10	1.2	36	22.0	
E6559634 (9339340)	2.55	2080	5	3	9.0	93	0.04	8	1.70	28.2	0.10	0.4	41	22.1	
E6559635 (9339341)	2.44	1890	6	3	9.6	106	0.03	8	1.80	39.5	0.12	0.4	40	22.3	
E6559636 (9339342)	2.81	2130	5	3	9.2	104	0.03	12	1.77	58.4	0.21	0.9	42	23.5	
E6559637 (9339343)	2.96	2240	5	2	8.7	118	0.04	11	1.78	61.2	0.28	0.4	44	22.3	
E6559638 (9339344)	2.78	2030	6	3	9.0	95	0.04	18	1.71	50.3	0.20	0.4	40	23.9	
E6559639 (9339345)	2.86	2040	3	3	9.6	113	0.04	15	1.86	37.0	0.06	0.6	43	23.5	
E6559640 (9339346)	2.52	1960	4	3	9.8	103	0.03	7	1.88	33.0	0.04	0.7	42	24.0	
E6559641 (9339347)	3.24	2430	6	3	8.5	103	0.04	115	1.55	25.1	0.15	0.5	41	23.3	
E6559642 (9339348)	2.81	2130	6	3	9.3	101	0.04	84	1.87	26.4	0.06	1.2	43	23.8	
E6559643 (9339349)	2.75	2060	6	3	9.4	102	0.03	42	1.82	30.5	0.08	1.0	41	23.0	
E6559644 (9339350)	3.05	2330	2	3	9.0	105	0.03	123	1.70	25.4	0.36	1.0	44	22.0	
E6559645 (9339351)	2.56	2060	4	3	9.5	101	0.04	30	1.78	31.8	0.15	0.8	41	23.3	
E6559646 (9339352)	2.54	476	13	8	32.0	157	0.07	13	8.28	113	1.58	1.8	6	27.1	
E6559647 (9339353)	2.48	2120	2	3	9.1	105	0.04	19	1.75	27.5	0.05	0.7	40	23.4	
E6559648 (9339354)	2.74	2300	3	3	9.6	110	0.03	36	1.85	21.1	0.12	0.9	42	24.0	
E6559649 (9339355)	2.60	2060	3	3	9.3	105	0.04	15	1.79	20.7	0.06	0.7	40	24.5	
E6559650 (9339356)	2.57	2280	6	3	9.4	117	0.04	77	1.80	29.0	0.15	0.5	42	23.9	

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Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6559651 (9339357)	2.66	2350	5	3	10.2	108	0.04	18	1.98	32.1	0.08	1.0	43	23.7	
E6559652 (9339358)	1.98	68	<2	<1	1.0	<5	<0.01	<5	0.22	0.4	<0.01	0.2	<5	3.91	
E6559653 (9339359)	2.57	2320	4	3	9.4	115	0.04	33	1.78	40.5	0.14	0.5	40	24.2	
E6559654 (9339360)	3.03	2510	6	3	8.8	116	0.03	12	1.68	17.7	0.16	0.7	41	22.7	
E6559655 (9339361)	3.15	2550	5	3	9.1	113	0.03	24	1.74	23.6	0.09	0.6	40	23.6	
E6559656 (9339362)	2.65	2350	5	3	9.9	109	0.04	25	1.83	29.4	0.14	0.7	42	23.5	
E6559657 (9339363)	3.10	2600	9	3	9.4	113	0.03	108	1.78	21.7	0.18	0.8	39	22.9	
E6559658 (9339364)	3.03	2560	9	3	9.5	114	0.03	121	1.77	21.3	0.17	0.6	39	22.7	
E6559659 (9339365)	2.55	2220	6	3	8.7	111	0.04	48	1.71	26.4	0.18	0.4	41	24.1	
E6559660 (9339366)	2.59	2340	7	3	10.1	98	0.04	109	1.93	21.9	0.15	0.6	40	24.1	
E6559661 (9339367)	2.83	2400	3	3	9.0	112	0.03	35	1.73	20.4	0.16	0.7	39	24.0	
E6559662 (9339368)	2.81	2400	3	3	9.3	119	0.04	27	1.80	29.2	0.08	0.5	42	23.2	
E6559663 (9339369)	3.28	2560	4	2	8.7	108	0.03	26	1.73	24.8	0.10	0.7	39	23.0	
E6559664 (9339370)	2.67	2310	3	3	9.3	114	0.04	19	1.79	27.8	0.11	0.8	42	23.3	
E6559665 (9339371)	3.12	2820	3	2	9.8	117	0.04	11	1.86	40.8	0.68	0.8	41	21.1	
E6559666 (9339372)	2.60	481	12	8	32.2	165	0.06	30	8.09	104	1.54	1.9	6	26.8	
E6559667 (9339373)	2.97	2630	3	3	9.2	116	0.03	16	1.74	40.8	0.35	1.3	44	22.1	
E6559668 (9339374)	2.93	2610	3	<1	9.4	112	0.03	9	1.87	38.8	0.48	0.9	43	22.3	
E6559669 (9339375)	2.68	2330	6	3	9.9	103	0.04	6	1.89	25.7	0.33	1.5	42	23.1	
E6559670 (9339376)	2.88	2260	3	3	9.0	112	0.04	19	1.75	37.6	0.28	0.6	40	23.2	
E6559671 (9339377)	2.60	2240	3	3	10.4	105	0.04	13	2.01	28.1	0.27	1.3	41	22.7	
E6559672 (9339378)	2.91	92	<2	<1	1.0	<5	<0.01	<5	0.22	0.6	<0.01	0.2	<5	4.89	
E6559673 (9339379)	3.39	2440	4	3	9.3	105	0.04	51	1.77	31.0	0.11	0.9	39	22.1	
E6559674 (9339380)	3.01	2120	6	3	9.3	105	0.04	34	1.72	33.9	0.24	1.2	40	23.0	
E6559675 (9339381)	2.66	2030	2	3	10.2	100	0.03	13	1.97	20.4	0.16	2.1	41	23.2	
E6559676 (9339382)	2.52	1910	2	<1	9.7	110	0.03	24	1.95	30.2	0.29	1.8	40	23.9	
E6559677 (9339383)	3.30	1600	4	3	10.4	107	0.04	257	2.07	34.7	0.12	1.1	40	23.6	
E6559678 (9339384)	3.28	1610	3	3	10.3	104	0.04	246	2.12	36.4	0.12	1.2	41	23.6	
E6559679 (9339385)	6.07	1450	<2	7	41.2	259	0.24	91	8.99	10.1	0.07	0.8	18	23.7	
E6559680 (9339386)	5.22	1700	<2	6	38.1	197	0.19	115	8.37	10.3	0.17	1.0	25	23.0	
E6559681 (9339387)	3.39	1800	5	3	11.8	117	0.03	23	2.28	24.6	0.15	1.1	42	23.0	
E6559682 (9339388)	4.17	1820	2	3	8.7	120	0.04	33	1.65	13.1	0.38	1.8	41	22.1	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018		DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core			
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6559683 (9339389)		3.52	1910	3	2	9.4	112	0.03	15	1.82	21.5	0.28	1.3	37	22.4
E6559684 (9339390)		2.90	1650	3	3	9.8	104	0.04	13	1.90	27.1	0.99	1.3	40	23.7
E6559685 (9339391)		4.62	1200	<2	3	10.4	92	0.03	<5	1.95	42.6	0.10	1.4	39	22.6
E6559686 (9339392)		4.21	2720	216	1	26.3	5550	0.04	5	4.93	2.4	1.99	188	20	9.19
E6559687 (9339393)		1.13	310	6	4	40.0	42	0.07	7	9.99	12.7	0.17	0.6	7	31.9
E6559688 (9339394)		4.36	1210	2	5	32.7	78	0.08	8	8.01	4.8	0.29	0.7	10	24.2
E6559689 (9339395)		1.38	382	2	4	18.0	34	0.07	<5	4.41	6.2	0.06	0.4	7	30.2
E6559690 (9339396)		3.50	942	3	4	8.8	56	0.09	<5	1.64	2.9	0.10	0.4	10	25.4
E6559691 (9339397)		5.35	1390	<2	5	41.5	73	0.08	<5	11.8	1.6	0.18	0.5	13	22.5
E6559692 (9339398)		2.89	90	<2	<1	1.3	<5	<0.01	<5	0.30	0.4	<0.01	0.1	<5	4.54
E6559693 (9339399)		3.61	937	<2	4	7.1	112	0.08	9	1.39	2.7	0.34	1.5	9	24.3
E6559694 (9339400)		4.69	1220	3	3	13.9	80	0.07	9	3.50	3.3	0.09	0.8	8	22.8
E6559695 (9339401)		4.32	1170	7	3	16.5	63	0.06	<5	4.25	3.7	0.07	0.6	6	22.8
E6559696 (9339402)		3.97	1110	7	5	96.1	94	0.10	10	27.2	2.4	0.12	0.9	8	23.2
E6559697 (9339403)		4.17	1120	6	4	6.6	382	0.07	<5	1.23	2.8	0.03	0.4	6	23.7
E6559698 (9339404)		4.14	1080	5	4	5.9	83	0.07	<5	1.10	2.7	0.04	0.4	7	23.3
E6559699 (9339405)		6.01	1730	7	4	8.2	126	0.07	9	1.65	18.2	0.14	0.9	9	19.8
E6559700 (9339406)		1.19	328	4	5	10.1	34	0.07	<5	2.21	11.4	0.03	2.0	7	29.5
E6559701 (9339407)		1.26	397	5	4	19.7	40	0.07	6	4.65	18.0	0.13	0.3	7	31.0
E6559702 (9339408)		1.28	455	6	4	18.8	46	0.06	6	4.32	22.0	0.08	1.2	6	30.8
E6559703 (9339409)		1.29	448	4	4	15.5	40	0.06	7	3.68	18.3	0.11	0.4	7	30.9
E6559704 (9339410)		4.07	1760	5	2	8.1	83	0.03	10	1.65	20.1	0.31	0.9	29	24.4
E6559705 (9339411)		4.07	1970	9	2	9.5	93	0.03	12	1.82	30.5	0.11	1.5	34	22.8
E6559706 (9339412)		2.62	472	13	9	32.9	166	0.06	15	8.46	114	1.53	1.9	6	27.0
E6559707 (9339413)		4.43	1920	12	3	9.0	100	0.03	21	1.70	31.3	0.07	1.6	36	22.9
E6559708 (9339414)		4.23	1810	9	3	9.1	104	0.03	54	1.74	39.0	0.11	1.6	37	22.9
E6559709 (9339415)		4.17	2060	5	3	9.0	105	0.04	19	1.74	58.8	0.13	1.3	40	22.9
E6559710 (9339416)		4.46	2000	8	3	9.2	95	0.04	68	1.72	29.6	0.04	1.3	37	22.4
E6559711 (9339417)		3.48	2240	5	3	10.1	90	0.04	29	1.87	61.2	0.73	1.7	36	22.0
E6559712 (9339418)		2.28	70	<2	<1	1.1	<5	0.01	<5	0.23	0.8	<0.01	0.2	<5	5.02

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PROJECT: DHH-131A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 18, 2018

DATE REPORTED: Aug 27, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6559619 (9339325)	3.0	2	174	0.6	0.63	0.7	0.69	<0.5	0.40	0.15	312	2	25.7	2.6
E6559620 (9339326)	2.6	<1	96.4	0.6	0.61	0.6	0.68	<0.5	0.36	0.14	303	4	21.8	2.4
E6559621 (9339327)	2.6	2	124	<0.5	0.61	0.5	0.69	<0.5	0.39	0.14	311	2	23.0	2.6
E6559622 (9339328)	2.3	<1	105	<0.5	0.54	0.5	0.66	<0.5	0.35	0.14	291	232	20.5	2.2
E6559623 (9339329)	2.6	1	127	<0.5	0.57	0.5	0.68	<0.5	0.38	0.15	301	19	21.6	2.5
E6559624 (9339330)	2.3	1	94.2	<0.5	0.52	0.5	0.64	<0.5	0.32	0.21	277	8	18.8	2.1
E6559625 (9339331)	2.4	2	100	<0.5	0.57	0.5	0.67	0.5	0.37	0.14	296	3	22.6	2.5
E6559626 (9339332)	5.5	4	33.6	0.8	0.59	10.1	0.23	0.8	0.30	6.56	57	5	19.3	1.9
E6559627 (9339333)	2.5	<1	115	<0.5	0.58	0.8	0.70	<0.5	0.40	0.14	307	2	21.9	2.6
E6559628 (9339334)	2.6	<1	95.2	<0.5	0.58	0.6	0.66	<0.5	0.35	0.18	297	6	21.3	2.4
E6559629 (9339335)	2.6	2	117	<0.5	0.62	0.5	0.63	<0.5	0.40	0.15	287	3	22.5	2.6
E6559630 (9339336)	2.9	1	110	<0.5	0.60	0.5	0.59	<0.5	0.38	0.15	294	253	22.5	2.6
E6559631 (9339337)	2.5	1	83.4	<0.5	0.55	0.5	0.63	<0.5	0.38	0.14	287	7	22.3	2.5
E6559632 (9339338)	0.2	<1	49.3	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.10	<5	3	2.2	0.1
E6559633 (9339339)	2.4	2	104	<0.5	0.56	0.5	0.59	<0.5	0.34	0.15	254	4	19.8	2.2
E6559634 (9339340)	2.6	<1	102	<0.5	0.59	0.5	0.65	<0.5	0.37	0.12	284	3	22.5	2.5
E6559635 (9339341)	2.7	<1	94.7	<0.5	0.61	0.5	0.67	<0.5	0.39	0.15	293	2	24.2	2.5
E6559636 (9339342)	2.6	2	90.2	0.6	0.61	1.0	0.66	0.5	0.40	0.15	311	5	24.8	2.6
E6559637 (9339343)	2.7	1	93.8	<0.5	0.68	0.4	0.68	<0.5	0.44	0.13	340	4	24.5	2.8
E6559638 (9339344)	2.6	1	92.4	<0.5	0.60	0.7	0.71	0.5	0.39	0.13	308	2	22.4	2.5
E6559639 (9339345)	2.7	1	107	<0.5	0.65	0.6	0.73	<0.5	0.39	0.18	324	3	25.2	2.7
E6559640 (9339346)	2.8	1	127	<0.5	0.63	0.6	0.73	<0.5	0.40	0.15	320	2	25.6	2.6
E6559641 (9339347)	2.4	<1	101	<0.5	0.55	0.5	0.70	<0.5	0.38	0.15	304	3	21.2	2.5
E6559642 (9339348)	2.7	2	122	<0.5	0.62	0.5	0.73	<0.5	0.41	0.16	325	4	23.9	2.7
E6559643 (9339349)	2.7	11	151	<0.5	0.60	0.5	0.66	<0.5	0.40	0.14	300	4	23.9	2.6
E6559644 (9339350)	2.6	1	138	<0.5	0.65	0.4	0.64	<0.5	0.42	0.14	310	3	24.8	2.6
E6559645 (9339351)	2.7	2	140	<0.5	0.59	0.5	0.71	<0.5	0.39	0.15	317	2	24.5	2.7
E6559646 (9339352)	5.2	3	30.4	0.6	0.55	9.8	0.24	0.7	0.28	6.38	52	4	19.1	1.8
E6559647 (9339353)	2.6	1	156	<0.5	0.58	0.8	0.72	<0.5	0.38	0.15	286	5	23.8	2.5
E6559648 (9339354)	2.8	1	128	<0.5	0.62	0.5	0.73	<0.5	0.40	0.14	294	3	22.6	2.6
E6559649 (9339355)	2.7	1	136	<0.5	0.59	0.5	0.73	<0.5	0.38	0.15	287	3	22.0	2.5
E6559650 (9339356)	2.7	1	132	<0.5	0.62	0.5	0.75	<0.5	0.39	0.14	300	2	24.6	2.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351995

PROJECT: DHH-131A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Aug 27, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6559651 (9339357)	2.9	2	152	<0.5	0.64	0.5	0.72	<0.5	0.40	0.15	299	3	25.9	2.6	
E6559652 (9339358)	0.2	<1	50.2	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.11	<5	1	2.3	0.1	
E6559653 (9339359)	2.6	2	138	<0.5	0.61	0.6	0.74	<0.5	0.38	0.15	288	2	23.3	2.4	
E6559654 (9339360)	2.6	1	182	<0.5	0.61	0.4	0.66	<0.5	0.37	0.13	283	5	24.7	2.6	
E6559655 (9339361)	2.6	3	130	<0.5	0.59	0.4	0.70	<0.5	0.38	0.14	285	3	22.5	2.6	
E6559656 (9339362)	2.8	1	152	<0.5	0.61	0.5	0.73	<0.5	0.40	0.13	294	4	24.7	2.7	
E6559657 (9339363)	2.7	2	133	<0.5	0.59	0.4	0.68	<0.5	0.37	0.15	287	19	22.3	2.5	
E6559658 (9339364)	2.8	1	135	0.5	0.60	1.0	0.69	<0.5	0.39	0.14	284	23	22.6	2.5	
E6559659 (9339365)	2.5	<1	132	<0.5	0.61	0.7	0.74	<0.5	0.40	0.16	296	3	23.0	2.6	
E6559660 (9339366)	2.7	1	137	<0.5	0.61	0.6	0.70	<0.5	0.37	0.14	285	2	25.1	2.6	
E6559661 (9339367)	2.7	2	126	<0.5	0.59	0.6	0.71	<0.5	0.37	0.15	283	4	23.7	2.4	
E6559662 (9339368)	2.6	1	148	<0.5	0.60	0.6	0.74	<0.5	0.40	0.14	294	2	23.4	2.6	
E6559663 (9339369)	2.6	2	132	<0.5	0.60	0.5	0.67	<0.5	0.37	0.13	273	4	21.9	2.4	
E6559664 (9339370)	2.7	2	103	<0.5	0.63	0.5	0.70	<0.5	0.40	0.15	288	19	24.6	2.7	
E6559665 (9339371)	2.7	2	105	<0.5	0.65	0.5	0.66	<0.5	0.44	0.15	286	5	24.8	2.8	
E6559666 (9339372)	5.3	3	26.7	0.6	0.58	9.6	0.24	0.7	0.28	6.26	53	5	17.7	1.8	
E6559667 (9339373)	2.8	14	102	<0.5	0.66	0.8	0.68	<0.5	0.44	0.15	294	39	27.2	2.8	
E6559668 (9339374)	2.9	2	109	<0.5	0.69	0.5	0.65	<0.5	0.47	0.14	284	25	27.3	3.0	
E6559669 (9339375)	2.7	2	117	<0.5	0.64	0.5	0.69	<0.5	0.42	0.15	288	6	27.1	2.8	
E6559670 (9339376)	2.6	1	144	<0.5	0.62	0.5	0.71	<0.5	0.39	0.15	286	3	24.6	2.7	
E6559671 (9339377)	2.9	2	236	<0.5	0.62	0.5	0.69	<0.5	0.40	0.15	291	3	26.0	2.7	
E6559672 (9339378)	0.2	<1	50.9	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.11	<5	<1	2.5	0.1	
E6559673 (9339379)	2.7	1	183	<0.5	0.58	0.5	0.68	<0.5	0.38	0.14	275	1	23.8	2.5	
E6559674 (9339380)	2.7	1	164	<0.5	0.57	0.4	0.68	<0.5	0.38	0.17	280	4	23.9	2.5	
E6559675 (9339381)	3.0	1	168	<0.5	0.65	0.4	0.72	<0.5	0.42	0.18	293	2	26.1	2.7	
E6559676 (9339382)	2.8	2	165	<0.5	0.65	0.4	0.71	<0.5	0.43	0.17	283	2	25.6	2.8	
E6559677 (9339383)	3.0	1	126	<0.5	0.65	0.5	0.73	<0.5	0.41	0.24	287	3	25.0	2.7	
E6559678 (9339384)	3.0	1	128	<0.5	0.63	0.5	0.74	<0.5	0.38	0.22	286	3	25.3	2.6	
E6559679 (9339385)	8.3	3	352	<0.5	0.89	3.6	0.65	<0.5	0.27	1.12	146	1	23.1	1.7	
E6559680 (9339386)	7.4	2	210	<0.5	0.88	2.8	0.68	<0.5	0.34	0.80	197	2	25.4	2.1	
E6559681 (9339387)	3.2	3	175	<0.5	0.69	0.7	0.71	<0.5	0.41	0.28	289	1	26.6	2.7	
E6559682 (9339388)	2.6	<1	99.2	<0.5	0.59	0.6	0.71	<0.5	0.36	0.29	295	2	21.5	2.4	

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 18, 2018

DATE REPORTED: Aug 27, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6559683 (9339389)	2.6	<1	171	<0.5	0.59	0.5	0.65	<0.5	0.38	0.20	270	2	21.9	2.5
E6559684 (9339390)	2.8	<1	215	<0.5	0.66	0.5	0.68	<0.5	0.40	0.20	282	3	23.5	2.7
E6559685 (9339391)	2.9	<1	154	<0.5	0.64	0.5	0.68	<0.5	0.37	0.26	273	4	22.2	2.4
E6559686 (9339392)	9.3	<1	15.3	<0.5	2.18	0.7	0.21	<0.5	0.82	24.1	145	1	74.8	4.8
E6559687 (9339393)	6.7	<1	636	<0.5	0.53	2.3	0.21	<0.5	0.15	1.30	55	<1	11.3	1.0
E6559688 (9339394)	6.0	<1	30.7	<0.5	0.63	3.1	0.24	<0.5	0.20	1.25	101	<1	15.9	1.4
E6559689 (9339395)	3.5	<1	45.5	<0.5	0.59	2.5	0.23	<0.5	0.21	1.09	58	<1	18.2	1.4
E6559690 (9339396)	2.7	<1	31.2	<0.5	0.57	2.7	0.27	<0.5	0.28	1.21	94	<1	22.0	1.7
E6559691 (9339397)	5.2	<1	10.7	<0.5	0.58	3.4	0.26	<0.5	0.25	1.09	112	<1	17.2	1.5
E6559692 (9339398)	0.2	<1	48.5	<0.5	<0.05	0.2	<0.01	<0.5	<0.05	0.15	<5	<1	2.5	0.1
E6559693 (9339399)	1.8	<1	22.0	<0.5	0.34	2.7	0.24	<0.5	0.19	1.12	86	<1	12.5	1.3
E6559694 (9339400)	2.3	<1	14.1	<0.5	0.35	2.1	0.20	<0.5	0.17	1.07	94	<1	11.6	1.1
E6559695 (9339401)	2.8	<1	12.6	<0.5	0.43	2.1	0.18	<0.5	0.18	1.04	74	2	11.7	1.2
E6559696 (9339402)	10.6	1	16.7	<0.5	0.93	3.8	0.27	<0.5	0.32	1.46	84	3	21.4	2.0
E6559697 (9339403)	1.9	<1	18.2	<0.5	0.33	2.7	0.22	<0.5	0.21	1.33	78	<1	12.2	1.4
E6559698 (9339404)	2.0	<1	22.8	<0.5	0.32	2.9	0.23	<0.5	0.19	1.28	88	<1	11.3	1.3
E6559699 (9339405)	2.1	2	45.6	<0.5	0.33	3.2	0.22	<0.5	0.20	1.71	115	<1	12.4	1.3
E6559700 (9339406)	2.2	3	75.8	<0.5	0.32	2.6	0.22	<0.5	0.16	1.25	65	3	11.0	1.0
E6559701 (9339407)	3.6	<1	687	<0.5	0.36	2.4	0.20	<0.5	0.13	1.39	55	<1	10.2	0.8
E6559702 (9339408)	3.2	2	781	<0.5	0.34	2.3	0.20	<0.5	0.11	1.33	55	1	8.9	0.7
E6559703 (9339409)	2.9	1	571	<0.5	0.32	2.1	0.20	<0.5	0.11	1.23	54	<1	8.9	0.7
E6559704 (9339410)	2.3	2	96.5	<0.5	0.46	0.6	0.50	<0.5	0.28	0.25	215	4	18.8	1.8
E6559705 (9339411)	2.6	1	260	<0.5	0.57	0.5	0.59	<0.5	0.33	0.22	249	2	22.0	2.3
E6559706 (9339412)	5.7	3	24.2	0.6	0.60	10.2	0.24	0.8	0.28	6.60	53	4	19.6	2.0
E6559707 (9339413)	2.6	1	200	<0.5	0.56	0.7	0.63	<0.5	0.35	0.16	259	2	22.7	2.4
E6559708 (9339414)	2.6	2	232	<0.5	0.58	0.5	0.63	<0.5	0.37	0.15	265	1	22.8	2.3
E6559709 (9339415)	2.7	1	152	<0.5	0.61	0.5	0.68	<0.5	0.39	0.14	280	3	23.7	2.5
E6559710 (9339416)	2.7	1	179	<0.5	0.59	0.4	0.64	<0.5	0.37	0.13	260	2	23.4	2.4
E6559711 (9339417)	2.8	1	168	<0.5	0.60	0.5	0.67	<0.5	0.39	0.18	266	4	24.6	2.6
E6559712 (9339418)	0.2	<1	50.4	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.6	0.2

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6559619 (9339325)		407	70.4
E6559620 (9339326)		278	65.8
E6559621 (9339327)		97	67.8
E6559622 (9339328)		123	63.9
E6559623 (9339329)		113	66.2
E6559624 (9339330)		84	60.9
E6559625 (9339331)		96	66.8
E6559626 (9339332)		<5	175
E6559627 (9339333)		151	67.1
E6559628 (9339334)		141	67.4
E6559629 (9339335)		74	66.3
E6559630 (9339336)		74	60.0
E6559631 (9339337)		112	64.1
E6559632 (9339338)		<5	2.9
E6559633 (9339339)		85	59.6
E6559634 (9339340)		79	67.9
E6559635 (9339341)		99	75.3
E6559636 (9339342)		91	68.9
E6559637 (9339343)		91	65.4
E6559638 (9339344)		141	68.2
E6559639 (9339345)		146	76.5
E6559640 (9339346)		95	75.7
E6559641 (9339347)		168	69.0
E6559642 (9339348)		123	72.5
E6559643 (9339349)		102	72.2
E6559644 (9339350)		3720	69.0
E6559645 (9339351)		116	74.0
E6559646 (9339352)		<5	175
E6559647 (9339353)		86	73.7
E6559648 (9339354)		390	68.2
E6559649 (9339355)		80	70.2
E6559650 (9339356)		199	76.7

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6559651 (9339357)		182	74.5
E6559652 (9339358)		<5	3.1
E6559653 (9339359)		96	78.0
E6559654 (9339360)		101	73.1
E6559655 (9339361)		136	66.7
E6559656 (9339362)		106	74.6
E6559657 (9339363)		361	66.8
E6559658 (9339364)		428	67.6
E6559659 (9339365)		96	70.3
E6559660 (9339366)		180	71.9
E6559661 (9339367)		123	74.1
E6559662 (9339368)		123	70.2
E6559663 (9339369)		95	63.9
E6559664 (9339370)		93	68.1
E6559665 (9339371)		108	65.4
E6559666 (9339372)		6	158
E6559667 (9339373)		98	74.2
E6559668 (9339374)		92	64.5
E6559669 (9339375)		82	74.6
E6559670 (9339376)		110	73.5
E6559671 (9339377)		80	74.9
E6559672 (9339378)		<5	3.6
E6559673 (9339379)		123	70.4
E6559674 (9339380)		110	71.0
E6559675 (9339381)		110	74.7
E6559676 (9339382)		150	69.3
E6559677 (9339383)		246	76.9
E6559678 (9339384)		249	78.4
E6559679 (9339385)		123	169
E6559680 (9339386)		132	143
E6559681 (9339387)		116	77.1
E6559682 (9339388)		177	67.1

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ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6559683 (9339389)		102	63.3
E6559684 (9339390)		85	66.6
E6559685 (9339391)		74	65.2
E6559686 (9339392)		38	32.9
E6559687 (9339393)		28	101
E6559688 (9339394)		102	135
E6559689 (9339395)		35	114
E6559690 (9339396)		86	144
E6559691 (9339397)		122	138
E6559692 (9339398)		<5	3.7
E6559693 (9339399)		77	132
E6559694 (9339400)		101	106
E6559695 (9339401)		96	90.4
E6559696 (9339402)		85	140
E6559697 (9339403)		89	121
E6559698 (9339404)		100	115
E6559699 (9339405)		141	121
E6559700 (9339406)		25	123
E6559701 (9339407)		31	106
E6559702 (9339408)		33	105
E6559703 (9339409)		34	107
E6559704 (9339410)		94	56.8
E6559705 (9339411)		95	63.1
E6559706 (9339412)		<5	177
E6559707 (9339413)		110	66.8
E6559708 (9339414)		108	68.2
E6559709 (9339415)		123	72.1
E6559710 (9339416)		138	68.7
E6559711 (9339417)		215	72.4
E6559712 (9339418)		<5	3.6

Comments: RDL - Reported Detection Limit

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Aug 27, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6559619 (9339325)		87
E6559630 (9339336)		87
E6559639 (9339345)		84.7
E6559682 (9339388)		86.6
E6559689 (9339395)		90.8
E6559697 (9339403)		90.8
E6559705 (9339411)		87

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 18, 2018

DATE REPORTED: Aug 27, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6559619 (9339325)		88
E6559650 (9339356)		85
E6559681 (9339387)		90

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339325	< 1	< 1	0.0%	9339336	1	1	0.0%	9339348	< 1	< 1	0.0%	9339350	< 1	< 1	0.0%
Al	9339325	8.09	8.02	0.9%	9339336	7.15	7.28	1.8%	9339348	7.97	7.84	1.6%	9339350	7.17	7.19	0.3%
As	9339325	27	26	3.8%	9339336	7	8	13.3%	9339348	19	18	5.4%	9339350	60	64	6.5%
B	9339325	< 20	< 20	0.0%	9339336	40	41	2.5%	9339348	< 20	< 20	0.0%	9339350	27	< 20	
Ba	9339325	262	265	1.1%	9339336	215	210	2.4%	9339348	167	161	3.7%	9339350	133	152	13.3%
Be	9339325	< 5	< 5	0.0%	9339336	< 5	< 5	0.0%	9339348	< 5	< 5	0.0%	9339350	< 5	< 5	0.0%
Bi	9339325	0.5	0.6	18.2%	9339336	0.3	0.3	0.0%	9339348	0.2	0.2	0.0%	9339350	0.4	0.4	0.0%
Ca	9339325	7.65	7.46	2.5%	9339336	6.98	7.19	3.0%	9339348	5.78	5.57	3.7%	9339350	6.60	6.28	5.0%
Cd	9339325	1.05	1.13	7.3%	9339336	< 0.2	< 0.2	0.0%	9339348	0.2	0.2	0.0%	9339350	11.9	5.1	
Ce	9339325	12.9	13.0	0.8%	9339336	12.3	12.3	0.0%	9339348	12.0	11.7	2.5%	9339350	11.4	11.4	0.0%
Co	9339325	61.4	57.4	6.7%	9339336	56.8	58.7	3.3%	9339348	58.5	58.4	0.2%	9339350	84.6	90.5	6.7%
Cr	9339325	0.0275	0.0281	2.2%	9339336	0.026	0.028	7.4%	9339348	0.027	0.027	0.0%	9339350	0.024	0.024	0.0%
Cs	9339325	0.58	0.54	7.1%	9339336	1.8	1.7	5.7%	9339348	1.2	1.2	0.0%	9339350	0.6	0.6	0.0%
Cu	9339325	172	167	2.9%	9339336	108	111	2.7%	9339348	50	48	4.1%	9339350	83	81	2.4%
Dy	9339325	4.56	4.61	1.1%	9339336	4.44	4.27	3.9%	9339348	4.58	4.45	2.9%	9339350	4.44	4.45	0.2%
Er	9339325	2.81	2.83	0.7%	9339336	2.78	2.74	1.4%	9339348	2.94	2.89	1.7%	9339350	2.82	2.89	2.5%
Eu	9339325	1.17	1.21	3.4%	9339336	0.99	1.16	15.8%	9339348	1.02	1.02	0.0%	9339350	1.03	0.94	9.1%
Fe	9339325	10.8	10.5	2.8%	9339336	9.69	10.0	3.1%	9339348	9.10	8.77	3.7%	9339350	10.2	9.74	4.6%
Ga	9339325	20.5	18.8	8.7%	9339336	18.5	18.6	0.5%	9339348	18.1	18.3	1.1%	9339350	19.2	17.9	7.0%
Gd	9339325	3.70	3.90	5.3%	9339336	3.50	3.51	0.3%	9339348	3.43	3.49	1.7%	9339350	3.43	3.51	2.3%
Ge	9339325	2	2	0.0%	9339336	2	2	0.0%	9339348	2	2	0.0%	9339350	2	2	0.0%
Hf	9339325	2	2	0.0%	9339336	2	2	0.0%	9339348	2	2	0.0%	9339350	2	2	0.0%
Ho	9339325	0.903	0.968	6.9%	9339336	0.88	0.88	0.0%	9339348	0.950	0.921	3.1%	9339350	0.91	0.92	1.1%
In	9339325	< 0.2	< 0.2	0.0%	9339336	< 0.2	< 0.2	0.0%	9339348	< 0.2	< 0.2	0.0%	9339350	0.3	< 0.2	
K	9339325	1.01	1.02	1.0%	9339336	0.97	0.97	0.0%	9339348	0.685	0.683	0.3%	9339350	0.752	0.869	14.4%
La	9339325	5.2	5.2	0.0%	9339336	4.9	4.9	0.0%	9339348	4.69	4.54	3.3%	9339350	4.6	4.6	0.0%
Li	9339325	14	16	13.3%	9339336	16	15	6.5%	9339348	13	13	0.0%	9339350	11	11	0.0%
Lu	9339325	0.405	0.412	1.7%	9339336	0.40	0.41	2.5%	9339348	0.403	0.408	1.2%	9339350	0.40	0.41	2.5%
Mg	9339325	3.65	3.75	2.7%	9339336	2.95	3.08	4.3%	9339348	2.81	2.76	1.8%	9339350	3.05	3.05	0.0%
Mn	9339325	2430	2450	0.8%	9339336	2280	2340	2.6%	9339348	2130	2080	2.4%	9339350	2330	2190	6.2%
Mo	9339325	5	5	0.0%	9339336	24	27	11.8%	9339348	6	5	18.2%	9339350	2	2	0.0%



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Nb	9339325	3	3	0.0%	9339336	2	3		9339348	3	3	0.0%	9339350	3	3	0.0%
Nd	9339325	9.79	9.88	0.9%	9339336	9.3	9.5	2.1%	9339348	9.34	9.25	1.0%	9339350	9.02	9.07	0.6%
Ni	9339325	105	108	2.8%	9339336	95	100	5.1%	9339348	101	102	1.0%	9339350	105	102	2.9%
P	9339325	0.04	0.04	0.0%	9339336	0.038	0.031	20.3%	9339348	0.036	0.033	8.7%	9339350	0.03	0.03	0.0%
Pb	9339325	124	122	1.6%	9339336	13	14	7.4%	9339348	84	83	1.2%	9339350	123	135	9.3%
Pr	9339325	1.88	1.94	3.1%	9339336	1.82	1.87	2.7%	9339348	1.87	1.79	4.4%	9339350	1.70	1.75	2.9%
Rb	9339325	29.0	26.6	8.6%	9339336	38.3	36.5	4.8%	9339348	26.4	26.0	1.5%	9339350	25.4	27.5	7.9%
S	9339325	0.24	0.25	4.1%	9339336	0.216	0.214	0.9%	9339348	0.057	0.054	5.4%	9339350	0.359	0.300	17.9%
Sb	9339325	1.0	1.0	0.0%	9339336	1.33	1.39	4.4%	9339348	1.2	0.6		9339350	1.0	0.6	
Sc	9339325	46	46	0.0%	9339336	44	45	2.2%	9339348	43	42	2.4%	9339350	44	43	2.3%
Si	9339325	20.6	20.8	1.0%	9339336	20.7	21.4	3.3%	9339348	23.8	23.3	2.1%	9339350	22.0	22.4	1.8%
Sm	9339325	2.97	2.81	5.5%	9339336	2.87	2.64	8.3%	9339348	2.7	2.6	3.8%	9339350	2.6	2.6	0.0%
Sn	9339404	< 1	< 1	0.0%	9339336	1	2		9339348	2	< 1		9339350	1	< 1	
Sr	9339325	174	173	0.6%	9339336	110	110	0.0%	9339348	122	122	0.0%	9339350	138	133	3.7%
Ta	9339325	0.6	0.5	18.2%	9339336	< 0.5	< 0.5	0.0%	9339348	< 0.5	< 0.5	0.0%	9339350	< 0.5	< 0.5	0.0%
Tb	9339325	0.63	0.65	3.1%	9339336	0.600	0.616	2.6%	9339348	0.62	0.62	0.0%	9339350	0.650	0.623	4.2%
Th	9339325	0.7	0.6	15.4%	9339336	0.5	0.5	0.0%	9339348	0.5	0.5	0.0%	9339350	0.4	0.4	0.0%
Ti	9339325	0.69	0.69	0.0%	9339336	0.592	0.601	1.5%	9339348	0.73	0.71	2.8%	9339350	0.64	0.64	0.0%
Tl	9339325	< 0.5	< 0.5	0.0%	9339336	< 0.5	< 0.5	0.0%	9339348	< 0.5	< 0.5	0.0%	9339350	< 0.5	< 0.5	0.0%
Tm	9339325	0.40	0.40	0.0%	9339336	0.385	0.386	0.3%	9339348	0.41	0.42	2.4%	9339350	0.417	0.403	3.4%
U	9339325	0.15	0.17	12.5%	9339336	0.148	0.131	12.2%	9339348	0.16	0.16	0.0%	9339350	0.14	0.14	0.0%
V	9339325	312	314	0.6%	9339336	294	299	1.7%	9339348	325	316	2.8%	9339350	310	303	2.3%
W	9339404	< 1	< 1	0.0%	9339336	253	262	3.5%	9339348	4	3	28.6%	9339350	3	2	
Y	9339325	25.7	23.9	7.3%	9339336	22.5	22.4	0.4%	9339348	23.9	23.6	1.3%	9339350	24.8	23.5	5.4%
Yb	9339325	2.6	2.7	3.8%	9339336	2.6	2.6	0.0%	9339348	2.7	2.7	0.0%	9339350	2.60	2.68	3.0%
Zn	9339325	407	387	5.0%	9339336	74	77	4.0%	9339348	123	122	0.8%	9339350	3720	1680	
Zr	9339325	70.4	65.0	8.0%	9339336	60.0	60.0	0.0%	9339348	72.5	70.9	2.2%	9339350	69.0	64.5	6.7%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339360	< 1	< 1	0.0%	9339373	< 1	< 1	0.0%	9339375	2	< 1		9339384	3	2	
Al	9339360	7.29	7.23	0.8%	9339373	7.30	7.25	0.7%	9339375	7.50	8.33	10.5%	9339384	8.72	8.70	0.2%
As	9339360	7	6	15.4%	9339373	< 5	< 5	0.0%	9339375	< 5	< 5	0.0%	9339384	46	50	8.3%
B	9339360	< 20	< 20	0.0%	9339373	< 20	< 20	0.0%	9339375	< 20	< 20	0.0%	9339384	< 20	< 20	0.0%
Ba	9339360	151	150	0.7%	9339373	180	181	0.6%	9339375	159	155	2.5%	9339384	217	218	0.5%



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Be	9339360	< 5	< 5	0.0%	9339373	< 5	< 5	0.0%	9339375	< 5	< 5	0.0%	9339384	< 5	< 5	0.0%
Bi	9339360	0.2	0.2	0.0%	9339373	0.7	0.4		9339375	0.4	0.2		9339384	0.7	0.7	0.0%
Ca	9339360	6.45	6.56	1.7%	9339373	7.77	7.89	1.5%	9339375	7.08	7.35	3.7%	9339384	4.22	4.26	0.9%
Cd	9339360	< 0.2	< 0.2	0.0%	9339373	< 0.2	< 0.2	0.0%	9339375	< 0.2	< 0.2	0.0%	9339384	0.7	0.7	0.0%
Ce	9339360	11.6	11.1	4.4%	9339373	11.5	11.2	2.6%	9339375	12.5	11.9	4.9%	9339384	15.5	15.1	2.6%
Co	9339360	58.7	54.8	6.9%	9339373	64.4	58.1	10.3%	9339375	66.8	66.8	0.0%	9339384	45.7	45.3	0.9%
Cr	9339360	0.0245	0.0241	1.6%	9339373	0.025	0.025	0.0%	9339375	0.0261	0.0254	2.7%	9339384	0.030	0.030	0.0%
Cs	9339360	0.7	0.7	0.0%	9339373	3.0	2.8	6.9%	9339375	1.53	1.55	1.3%	9339384	2.5	2.5	0.0%
Cu	9339360	97	98	1.0%	9339373	156	157	0.6%	9339375	129	125	3.1%	9339384	112	118	5.2%
Dy	9339360	4.21	4.27	1.4%	9339373	4.65	4.71	1.3%	9339375	4.72	4.56	3.4%	9339384	4.61	4.62	0.2%
Er	9339360	2.69	2.71	0.7%	9339373	2.96	3.03	2.3%	9339375	2.96	2.83	4.5%	9339384	2.88	2.82	2.1%
Eu	9339360	0.91	1.08	17.1%	9339373	0.951	1.00	5.0%	9339375	1.07	1.02	4.8%	9339384	1.27	1.25	1.6%
Fe	9339360	10.4	10.5	1.0%	9339373	10.7	10.8	0.9%	9339375	9.34	9.71	3.9%	9339384	8.61	8.53	0.9%
Ga	9339360	19.5	17.8	9.1%	9339373	19.9	17.3	14.0%	9339375	20.1	20.2	0.5%	9339384	20.7	20.6	0.5%
Gd	9339360	3.34	3.18	4.9%	9339373	3.64	3.57	1.9%	9339375	3.71	3.54	4.7%	9339384	3.61	3.58	0.8%
Ge	9339360	2	2	0.0%	9339373	2	2	0.0%	9339375	2	2	0.0%	9339384	2	1	
Hf	9339360	2	2	0.0%	9339373	2	2	0.0%	9339375	2	2	0.0%	9339384	2	2	0.0%
Ho	9339360	0.89	0.84	5.8%	9339373	0.956	0.948	0.8%	9339375	0.955	0.946	0.9%	9339384	0.932	0.872	6.7%
In	9339360	< 0.2	< 0.2	0.0%	9339373	< 0.2	< 0.2	0.0%	9339375	< 0.2	< 0.2	0.0%	9339384	< 0.2	< 0.2	0.0%
K	9339360	0.495	0.499	0.8%	9339373	0.811	0.819	1.0%	9339375	0.66	0.66	0.0%	9339384	0.745	0.739	0.8%
La	9339360	4.50	4.35	3.4%	9339373	4.5	4.5	0.0%	9339375	4.99	4.80	3.9%	9339384	7.25	6.91	4.8%
Li	9339360	16	16	0.0%	9339373	17	18	5.7%	9339375	12	13	8.0%	9339384	29	31	6.7%
Lu	9339360	0.39	0.39	0.0%	9339373	0.414	0.434	4.7%	9339375	0.42	0.42	0.0%	9339384	0.40	0.40	0.0%
Mg	9339360	3.03	2.93	3.4%	9339373	2.97	2.96	0.3%	9339375	2.68	2.53	5.8%	9339384	3.28	3.30	0.6%
Mn	9339360	2510	2500	0.4%	9339373	2630	2630	0.0%	9339375	2330	2290	1.7%	9339384	1610	1600	0.6%
Mo	9339360	6	6	0.0%	9339373	3	3	0.0%	9339375	6	6	0.0%	9339384	3	2	
Nb	9339360	3	2		9339373	3	2		9339375	3	3	0.0%	9339384	3	3	0.0%
Nd	9339360	8.8	8.7	1.1%	9339373	9.18	9.09	1.0%	9339375	9.9	9.4	5.2%	9339384	10.3	10.5	1.9%
Ni	9339360	116	113	2.6%	9339373	116	118	1.7%	9339375	103	102	1.0%	9339384	104	104	0.0%
P	9339360	0.03	0.03	0.0%	9339373	0.030	0.038	23.5%	9339375	0.036	0.032	11.8%	9339384	0.04	0.04	0.0%
Pb	9339360	12	12	0.0%	9339373	16	16	0.0%	9339375	6	6	0.0%	9339384	246	254	3.2%
Pr	9339360	1.68	1.69	0.6%	9339373	1.74	1.73	0.6%	9339375	1.89	1.84	2.7%	9339384	2.12	2.11	0.5%
Rb	9339360	17.7	16.2	8.8%	9339373	40.8	37.1	9.5%	9339375	25.7	25.6	0.4%	9339384	36.4	35.8	1.7%
S	9339360	0.16	0.16	0.0%	9339373	0.348	0.357	2.6%	9339375	0.328	0.312	5.0%	9339384	0.12	0.12	0.0%



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Sb	9339360	0.69	0.76	9.7%	9339373	1.3	0.5		9339375	1.5	0.5		9339384	1.2	1.0	18.2%
Sc	9339360	41	42	2.4%	9339373	44	43	2.3%	9339375	42	42	0.0%	9339384	41	41	0.0%
Si	9339360	22.7	22.5	0.9%	9339373	22.1	22.0	0.5%	9339375	23.1	23.3	0.9%	9339384	23.6	23.3	1.3%
Sm	9339360	2.6	2.6	0.0%	9339373	2.8	2.7	3.6%	9339375	2.73	2.63	3.7%	9339384	3.0	3.0	0.0%
Sn	9339360	1	1	0.0%	9339373	14	< 1		9339375	2	2	0.0%	9339384	1	2	
Sr	9339360	182	181	0.6%	9339373	102	104	1.9%	9339375	117	116	0.9%	9339384	128	129	0.8%
Ta	9339360	< 0.5	< 0.5	0.0%	9339373	< 0.5	< 0.5	0.0%	9339375	< 0.5	< 0.5	0.0%	9339384	< 0.5	< 0.5	0.0%
Tb	9339360	0.61	0.61	0.0%	9339373	0.655	0.648	1.1%	9339375	0.64	0.64	0.0%	9339384	0.63	0.63	0.0%
Th	9339360	0.4	0.4	0.0%	9339373	0.8	0.5		9339375	0.54	0.44	20.4%	9339384	0.5	1.0	
Ti	9339360	0.66	0.66	0.0%	9339373	0.68	0.68	0.0%	9339375	0.689	0.695	0.9%	9339384	0.735	0.726	1.2%
Tl	9339360	< 0.5	< 0.5	0.0%	9339373	< 0.5	< 0.5	0.0%	9339375	< 0.5	< 0.5	0.0%	9339384	< 0.5	< 0.5	0.0%
Tm	9339360	0.37	0.38	2.7%	9339373	0.436	0.432	0.9%	9339375	0.415	0.404	2.7%	9339384	0.383	0.400	4.3%
U	9339360	0.13	0.14	7.4%	9339373	0.149	0.141	5.5%	9339375	0.151	0.145	4.1%	9339384	0.225	0.227	0.9%
V	9339360	283	282	0.4%	9339373	294	294	0.0%	9339375	288	282	2.1%	9339384	286	287	0.3%
W	9339360	5	6	18.2%	9339373	39	38	2.6%	9339375	6	3		9339384	3	3	0.0%
Y	9339360	24.7	22.4	9.8%	9339373	27.2	24.1	12.1%	9339375	27.1	26.5	2.2%	9339384	25.3	25.4	0.4%
Yb	9339360	2.6	2.5	3.9%	9339373	2.8	2.8	0.0%	9339375	2.8	2.7	3.6%	9339384	2.6	2.6	0.0%
Zn	9339360	101	103	2.0%	9339373	98	99	1.0%	9339375	82	88	7.1%	9339384	249	247	0.8%
Zr	9339360	73.1	66.1	10.1%	9339373	74.2	66.0	11.7%	9339375	74.6	75.0	0.5%	9339384	78.4	76.5	2.5%

Parameter	REPLICATE #9				REPLICATE #10				REPLICATE #11							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9339396	< 1	< 1	0.0%	9339400	< 1	< 1	0.0%	9339408	< 1	< 1	0.0%				
Al	9339396	9.78	9.81	0.3%	9339400	9.33	9.56	2.4%	9339408	8.06	8.05	0.1%				
As	9339396	25	24	4.1%	9339400	201	194	3.5%	9339408	6	5	18.2%				
B	9339396	< 20	< 20	0.0%	9339400	< 20	< 20	0.0%	9339408	< 20	< 20	0.0%				
Ba	9339396	14.7	14.8	0.7%	9339400	9.05	9.20	1.6%	9339408	901	897	0.4%				
Be	9339396	< 5	< 5	0.0%	9339400	< 5	< 5	0.0%	9339408	< 5	< 5	0.0%				
Bi	9339396	1.1	0.8		9339400	0.95	0.88	7.7%	9339408	0.2	0.1					
Ca	9339396	0.41	0.40	2.5%	9339400	0.31	0.28	10.2%	9339408	2.12	2.12	0.0%				
Cd	9339396	< 0.2	< 0.2	0.0%	9339400	< 0.2	< 0.2	0.0%	9339408	< 0.2	< 0.2	0.0%				
Ce	9339396	8.80	9.17	4.1%	9339400	30.1	28.4	5.8%	9339408	34.6	34.1	1.5%				
Co	9339396	46.6	48.3	3.6%	9339400	158	155	1.9%	9339408	13.9	13.9	0.0%				
Cr	9339396	0.009	0.009	0.0%	9339400	0.007	0.007	0.0%	9339408	0.009	0.009	0.0%				
Cs	9339396	0.4	0.4	0.0%	9339400	0.6	0.6	0.0%	9339408	0.63	0.65	3.1%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Cu	9339396	6	8	28.6%	9339400	9	8	11.8%	9339408	74	74	0.0%				
Dy	9339396	4.02	4.06	1.0%	9339400	2.27	2.35	3.5%	9339408	1.74	1.74	0.0%				
Er	9339396	2.14	2.21	3.2%	9339400	1.25	1.29	3.1%	9339408	0.777	0.815	4.8%				
Eu	9339396	0.702	0.750	6.6%	9339400	0.518	0.587	12.5%	9339408	1.15	1.03	11.0%				
Fe	9339396	7.26	7.28	0.3%	9339400	9.36	9.71	3.7%	9339408	2.73	2.72	0.4%				
Ga	9339396	20.2	20.9	3.4%	9339400	21.9	22.1	0.9%	9339408	20.5	20.7	1.0%				
Gd	9339396	2.87	3.02	5.1%	9339400	2.12	2.09	1.4%	9339408	2.79	2.73	2.2%				
Ge	9339396	1	1	0.0%	9339400	2	2	0.0%	9339408	1	1	0.0%				
Hf	9339396	4	4	0.0%	9339400	3	3	0.0%	9339408	3	3	0.0%				
Ho	9339396	0.76	0.75	1.3%	9339400	0.425	0.422	0.7%	9339408	0.30	0.30	0.0%				
In	9339396	< 0.2	< 0.2	0.0%	9339400	< 0.2	< 0.2	0.0%	9339408	< 0.2	< 0.2	0.0%				
K	9339396	0.31	0.30	3.3%	9339400	0.20	0.20	0.0%	9339408	0.66	0.66	0.0%				
La	9339396	3.0	3.1	3.3%	9339400	12.7	12.3	3.2%	9339408	16.9	16.4	3.0%				
Li	9339396	35	33	5.9%	9339400	35	36	2.8%	9339408	12	14	15.4%				
Lu	9339396	0.255	0.242	5.2%	9339400	0.18	0.18	0.0%	9339408	0.104	0.115	10.0%				
Mg	9339396	3.50	3.39	3.2%	9339400	4.69	4.77	1.7%	9339408	1.28	1.30	1.6%				
Mn	9339396	942	957	1.6%	9339400	1220	1220	0.0%	9339408	455	457	0.4%				
Mo	9339396	3	2		9339400	3	3	0.0%	9339408	6	6	0.0%				
Nb	9339396	4	4	0.0%	9339400	3	3	0.0%	9339408	4	4	0.0%				
Nd	9339396	8.80	9.18	4.2%	9339400	13.9	13.8	0.7%	9339408	18.8	18.3	2.7%				
Ni	9339396	56	55	1.8%	9339400	80	80	0.0%	9339408	46	46	0.0%				
P	9339396	0.091	0.083	9.2%	9339400	0.066	0.063	4.7%	9339408	0.058	0.066	12.9%				
Pb	9339396	< 5	< 5	0.0%	9339400	9	11	20.0%	9339408	6	6	0.0%				
Pr	9339396	1.64	1.67	1.8%	9339400	3.50	3.44	1.7%	9339408	4.32	4.27	1.2%				
Rb	9339396	2.92	2.85	2.4%	9339400	3.33	3.53	5.8%	9339408	22.0	22.3	1.4%				
S	9339396	0.10	0.10	0.0%	9339400	0.094	0.096	2.1%	9339408	0.076	0.075	1.3%				
Sb	9339396	0.4	0.3	28.6%	9339400	0.79	0.75	5.2%	9339408	1.2	0.3					
Sc	9339396	10	10	0.0%	9339400	8	8	0.0%	9339408	6	6	0.0%				
Si	9339396	25.4	25.5	0.4%	9339400	22.8	23.2	1.7%	9339408	30.8	30.9	0.3%				
Sm	9339396	2.7	2.7	0.0%	9339400	2.35	2.39	1.7%	9339408	3.25	3.33	2.4%				
Sn	9339396	< 1	< 1	0.0%	9339400	< 1	< 1	0.0%	9339408	2	1					
Sr	9339396	31.2	31.0	0.6%	9339400	14.1	13.6	3.6%	9339408	781	774	0.9%				
Ta	9339396	< 0.5	< 0.5	0.0%	9339400	< 0.5	< 0.5	0.0%	9339408	< 0.5	< 0.5	0.0%				
Tb	9339396	0.566	0.585	3.3%	9339400	0.350	0.357	2.0%	9339408	0.34	0.33	3.0%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Th	9339396	2.7	2.7	0.0%	9339400	2.13	2.17	1.9%	9339408	2.3	2.4	4.3%				
Ti	9339396	0.27	0.27	0.0%	9339400	0.20	0.20	0.0%	9339408	0.20	0.20	0.0%				
Tl	9339396	< 0.5	< 0.5	0.0%	9339400	< 0.5	< 0.5	0.0%	9339408	< 0.5	< 0.5	0.0%				
Tm	9339396	0.28	0.30	6.9%	9339400	0.174	0.177	1.7%	9339408	0.11	0.11	0.0%				
U	9339396	1.21	1.25	3.3%	9339400	1.07	1.04	2.8%	9339408	1.33	1.33	0.0%				
V	9339396	94	96	2.1%	9339400	94	94	0.0%	9339408	55	56	1.8%				
W	9339396	< 1	< 1	0.0%	9339400	< 1	< 1	0.0%	9339408	1	< 1					
Y	9339396	22.0	22.0	0.0%	9339400	11.6	11.8	1.7%	9339408	8.9	8.9	0.0%				
Yb	9339396	1.7	1.7	0.0%	9339400	1.15	1.23	6.7%	9339408	0.7	0.7	0.0%				
Zn	9339396	86	81	6.0%	9339400	101	106	4.8%	9339408	33	36	8.7%				
Zr	9339396	144	144	0.0%	9339400	106	105	0.9%	9339408	105	108	2.8%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SY-4)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag													6.39	6.5	102%	90% - 110%
Al	4.30	4.3	100%	90% - 110%					10.95	10.7	98%	90% - 110%	4.30	4.15	96%	90% - 110%
As	2.49	1.94	78%	90% - 110%												
Ba					340	318	93%	90% - 110%	340	326	96%	90% - 110%				
Be					2.6	3.1	118%	90% - 110%	2.6	2.9	113%	90% - 110%				
Ca	2.21	2.25	102%	90% - 110%					5.72	5.54	97%	90% - 110%	2.21	2.24	102%	90% - 110%
Ce					122	125	102%	90% - 110%	122	122	100%	90% - 110%				
Co	672	714	106%	90% - 110%					2.8	2.5	88%	90% - 110%	672	676	101%	90% - 110%
Cr	0.032	0.035	110%	90% - 110%									0.032	0.033	103%	90% - 110%
Cs					1.5	1.6	109%	90% - 110%	1.5	1.6	104%	90% - 110%				
Cu	11850	12015	101%	90% - 110%									11850	11777	99%	90% - 110%
Dy					18.2	19.2	105%	90% - 110%	18.2	19.8	109%	90% - 110%				
Er					14.2	14.8	104%	90% - 110%	14.2	15.2	107%	90% - 110%				
Eu					2.0	1.9	95%	90% - 110%	2.0	1.9	96%	90% - 110%				
Fe	25.54	24.39	96%	90% - 110%					4.34	4.38	101%	90% - 110%	25.54	25.32	99%	90% - 110%
Ga					35	39	111%	90% - 110%	35	36	102%	90% - 110%				
Gd					14	15	107%	90% - 110%	14	14	102%	90% - 110%				
Hf					10.6	11.1	104%	90% - 110%	10.6	9.7	91%	90% - 110%				
Ho					4.3	4.6	107%	90% - 110%	4.3	4.5	104%	90% - 110%				
K					1.37	1.37	100%	90% - 110%	1.37	1.40	102%	90% - 110%				
La					58	60	103%	90% - 110%	58	57	99%	90% - 110%				
Li					37	37	100%	90% - 110%	37	39.4	106%	90% - 110%				
Lu					2.1	2.3	108%	90% - 110%	2.1	2.1	99%	90% - 110%				
Mg	1.79	1.81	101%	90% - 110%					0.325	0.306	94%	90% - 110%	1.79	1.74	97%	90% - 110%
Mn	703	721	103%	90% - 110%					836	800	96%	90% - 110%	703	737	105%	90% - 110%
Nb					13	13	98%	90% - 110%	13	13	97%	90% - 110%				
Nd					57	61	106%	90% - 110%	57	61	107%	90% - 110%				
Ni	19530	19068	98%	90% - 110%									19530	18002	92%	90% - 110%
Pb	58	62	106%	90% - 110%					10	11	115%	90% - 110%	58	61	105%	90% - 110%
Pr					15.0	15.5	103%	90% - 110%	15.0	14.9	99%	90% - 110%				
Rb					55	57	104%	90% - 110%	55	52	95%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

S	14.14	14.05	99%	90% - 110%									14.14	13.35	94%	90% - 110%
Si	15.23	14.08	92%	90% - 110%					23.3	22.7	97%	90% - 110%	15.23	15.3	100%	90% - 110%
Sm					12.7	12.8	101%	90% - 110%	12.7	12.5	99%	90% - 110%				
Sn					7.1	7.9	111%	90% - 110%	7.1	8.8	124%	90% - 110%				
Sr					1191	1254	105%	90% - 110%	1191	1190	100%	90% - 110%				
Ta					0.9	1	106%	90% - 110%	0.9	1	109%	90% - 110%				
Tb					2.6	2.7	105%	90% - 110%	2.6	2.6	100%	90% - 110%				
Th					1.4	1.4	103%	90% - 110%	1.4	1.1	76%	90% - 110%				
Ti					0.172	0.175	102%	90% - 110%	0.172	0.172	100%	90% - 110%				
Tm					2.3	2.4	104%	90% - 110%	2.3	2.3	98%	90% - 110%				
U					0.8	0.8	103%	90% - 110%	0.8	0.8	99%	90% - 110%				
V					8	7	87%	90% - 110%	8	5.85	73%	90% - 110%				
Y					119	124	104%	90% - 110%	119	117	98%	90% - 110%				
Yb					14.8	15.5	105%	90% - 110%	14.8	14.6	99%	90% - 110%				
Zn	235	231	98%	90% - 110%					93	91.2	98%	90% - 110%	235	237	101%	90% - 110%
Zr					517	558	108%	90% - 110%	517	532	103%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)				CRM #7 (ref.SY-4)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Ag					6.39	7.54	118%	90% - 110%								
Al	10.95	11.35	104%	90% - 110%	4.30	4.44	103%	90% - 110%	10.95	11.23	103%	90% - 110%				
Ba	340	341	100%	90% - 110%					340	343	101%	90% - 110%				
Be	2.6	3	114%	90% - 110%												
Ca	5.72	5.82	102%	90% - 110%	2.21	2.19	99%	90% - 110%	5.72	5.71	100%	90% - 110%				
Ce	122	121	99%	90% - 110%					122	122	100%	90% - 110%				
Co	2.8	2.5	88%	90% - 110%	672	651	97%	90% - 110%	2.8	2.7	95%	90% - 110%				
Cr					0.032	0.033	103%	90% - 110%								
Cs	1.5	1.5	103%	90% - 110%					1.5	1.6	108%	90% - 110%				
Cu					11850	11384	96%	90% - 110%								
Dy	18.2	20	110%	90% - 110%					18.2	19.9	109%	90% - 110%				
Er	14.2	15.2	107%	90% - 110%					14.2	15.4	108%	90% - 110%				
Eu	2.0	2	99%	90% - 110%					2.0	2	101%	90% - 110%				
Fe	4.34	4.37	101%	90% - 110%	25.54	24.58	96%	90% - 110%	4.34	4.4	101%	90% - 110%				
Ga	35	35	100%	90% - 110%					35	38	109%	90% - 110%				
Gd	14	14	100%	90% - 110%					14	14	103%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Hf	10.6	10.1	95%	90% - 110%					10.6	10.3	97%	90% - 110%				
Ho	4.3	4.5	104%	90% - 110%					4.3	4.4	103%	90% - 110%				
K	1.37	1.4	102%	90% - 110%					1.37	1.36	99%	90% - 110%				
La	58	57	99%	90% - 110%					58	57	99%	90% - 110%				
Li	37	39	106%	90% - 110%					37	38	102%	90% - 110%				
Lu	2.1	2	96%	90% - 110%					2.1	2.1	98%	90% - 110%				
Mg	0.325	0.328	101%	90% - 110%	1.79	1.84	103%	90% - 110%	0.325	0.323	99%	90% - 110%				
Mn	836	836	100%	90% - 110%	703	734	104%	90% - 110%	836	842	101%	90% - 110%				
Nb	13	13	97%	90% - 110%					13	14	106%	90% - 110%				
Nd	57	61	107%	90% - 110%					57	62	109%	90% - 110%				
Ni					19530	18338	94%	90% - 110%	9	7	82%	90% - 110%				
Pb	10	11	107%	90% - 110%	58	66	113%	90% - 110%	10	11	108%	90% - 110%				
Pr	15.0	15	100%	90% - 110%					15.0	15	100%	90% - 110%				
Rb	55	52	94%	90% - 110%					55	56	102%	90% - 110%				
S					14.14	13.07	92%	90% - 110%								
Si	23.3	22.9	98%	90% - 110%	15.23	14.76	97%	90% - 110%	23.3	22.9	98%	90% - 110%				
Sm	12.7	12.5	98%	90% - 110%					12.7	13.3	105%	90% - 110%				
Sn	7.1	8.1	114%	90% - 110%					7.1	8.8	123%	90% - 110%				
Sr	1191	1165	98%	90% - 110%					1191	1158	97%	90% - 110%				
Ta	0.9	0.9	102%	90% - 110%					0.9	1	109%	90% - 110%				
Tb	2.6	2.7	102%	90% - 110%					2.6	2.8	106%	90% - 110%				
Th	1.4	1.2	87%	90% - 110%					1.4	1.4	98%	90% - 110%				
Ti	0.172	0.173	101%	90% - 110%					0.172	0.17	99%	90% - 110%				
Tm	2.3	2.3	98%	90% - 110%					2.3	2.3	100%	90% - 110%				
U	0.8	0.8	105%	90% - 110%					0.8	0.8	101%	90% - 110%				
Y	119	115	96%	90% - 110%					119	125	105%	90% - 110%				
Yb	14.8	15	101%	90% - 110%					14.8	14.9	101%	90% - 110%				
Zn	93	89	96%	90% - 110%	235	253	108%	90% - 110%	93	91	98%	90% - 110%				
Zr	517	541	105%	90% - 110%					517	570	110%	90% - 110%				



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DHH-131A
 SAMPLING SITE:

AGAT WORK ORDER: 18T351995
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DHH-131A
SAMPLING SITE:

AGAT WORK ORDER: 18T351995
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DHH-131B

AGAT WORK ORDER: 18T351996

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Jul 25, 2018

PAGES (INCLUDING COVER): 33

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Jul 25, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6559713 (9339419)		2.72
E6559714 (9339420)		2.78
E6559715 (9339421)		3.02
E6559716 (9339422)		3.19
E6559717 (9339423)		2.54
E6559718 (9339424)		2.54
E6559719 (9339425)		2.64
E6559720 (9339426)		2.55
E6559721 (9339427)		3.03
E6559722 (9339428)		1.91
E6559723 (9339429)		0.88
E6559724 (9339430)		1.79
E6559725 (9339431)		1.91
E6559726 (9339432)		0.01
E6559727 (9339433)		2.77
E6559728 (9339434)		2.00
E6559729 (9339435)		2.53
E6559730 (9339436)		2.12
E6559731 (9339437)		1.33
E6559732 (9339438)		1.68
E6559733 (9339439)		2.14
E6559734 (9339440)		2.30
E6559735 (9339441)		3.13
E6559736 (9339442)		2.65
E6559737 (9339443)		2.85
E6559738 (9339444)		2.85
E6559739 (9339445)		2.30
E6559740 (9339446)		2.35
E6559741 (9339447)		2.92
E6559742 (9339448)		2.51
E6559743 (9339449)		3.42

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Jul 25, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6559744 (9339450)		2.47
E6559745 (9339451)		2.78
E6559746 (9339452)		0.01
E6559747 (9339453)		2.89
E6559748 (9339454)		3.07
E6559749 (9339455)		2.67
E6559750 (9339456)		2.38
E6559751 (9339457)		2.54
E6559752 (9339458)		1.52
E6559753 (9339459)		2.95
E6559754 (9339460)		2.58
E6559755 (9339461)		2.41
E6559756 (9339462)		3.07
E6559757 (9339463)		2.89
E6559758 (9339464)		2.89
E6559759 (9339465)		3.02
E6559760 (9339466)		2.76
E6559761 (9339467)		2.99
E6559762 (9339468)		2.68
E6559763 (9339469)		2.53
E6559764 (9339470)		2.41
E6559765 (9339471)		2.07
E6559766 (9339472)		0.01
E6559767 (9339473)		1.28
E6559768 (9339474)		2.40
E6559769 (9339475)		2.43
E6559770 (9339476)		3.06
E6559771 (9339477)		2.82
E6559772 (9339478)		1.55
E6559773 (9339479)		2.43
E6559774 (9339480)		2.77

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AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Jul 25, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6559775 (9339481)		2.40
E6559776 (9339482)		2.44
E6559777 (9339483)		2.74
E6559778 (9339484)		2.74
E6559779 (9339485)		2.42
E6559780 (9339486)		2.39
E6559781 (9339487)		3.19
E6559782 (9339488)		2.44
E6559783 (9339489)		2.95
E6559784 (9339490)		1.66
E6559785 (9339491)		2.07
E6559786 (9339492)		0.01
E6559787 (9339493)		3.11
E6559788 (9339494)		1.90
E6559789 (9339495)		2.89
E6559790 (9339496)		2.57
E6559791 (9339497)		2.59
E6559792 (9339498)		1.56
E6559793 (9339499)		2.42
E6559794 (9339500)		2.38
E6559795 (9339501)		2.35
E6559796 (9339502)		2.72
E6559797 (9339503)		2.99
E6559798 (9339504)		2.99
E6559799 (9339505)		2.79
E6559800 (9339506)		2.20
E6559801 (9339507)		2.19
E6559802 (9339508)		2.93
E6559803 (9339509)		3.15
E6559804 (9339510)		3.58
E6559805 (9339511)		3.51

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018	DATE REPORTED: Jul 25, 2018	SAMPLE TYPE: Drill Core
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Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID)	RDL: 0.01
E6559806 (9339512)	0.01

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6559713 (9339419)	1	7.86	20	23	290	<5	2.4	5.46	1.1	12.3	34.4	0.022	3.3	312	
E6559714 (9339420)	2	7.54	17	40	240	<5	0.6	7.44	<0.2	11.5	51.8	0.021	3.7	199	
E6559715 (9339421)	6	7.46	18	28	216	<5	0.7	6.25	1.1	12.7	47.1	0.021	4.2	254	
E6559716 (9339422)	2	7.64	27	<20	149	<5	1.6	4.27	3.3	9.8	49.7	0.021	2.1	356	
E6559717 (9339423)	2	6.77	30	<20	211	<5	0.9	6.54	0.8	13.2	65.2	0.019	2.0	368	
E6559718 (9339424)	2	6.70	28	<20	210	<5	0.8	6.47	0.9	13.7	59.8	0.019	1.9	335	
E6559719 (9339425)	1	7.53	21	25	288	<5	0.6	7.53	1.1	13.9	52.1	0.022	1.7	231	
E6559720 (9339426)	<1	7.61	12	29	318	<5	0.1	7.65	0.3	13.2	52.0	0.022	5.2	158	
E6559721 (9339427)	<1	7.83	12	30	287	<5	<0.1	6.24	0.5	13.6	44.2	0.022	1.6	96	
E6559722 (9339428)	1	7.80	10	<20	214	<5	<0.1	6.38	<0.2	10.8	41.1	0.025	1.4	61	
E6559723 (9339429)	<1	8.15	12	33	291	<5	<0.1	6.10	<0.2	6.3	52.0	0.031	6.8	25	
E6559724 (9339430)	<1	7.24	7	<20	203	<5	0.2	5.69	<0.2	7.7	39.9	0.030	1.5	27	
E6559725 (9339431)	<1	6.78	16	<20	143	<5	0.1	5.83	0.2	8.4	51.9	0.028	0.5	32	
E6559726 (9339432)	<1	4.74	575	108	177	<5	9.0	4.35	<0.2	76.0	1020	0.006	2.5	3080	
E6559727 (9339433)	<1	7.68	9	22	307	<5	0.2	5.78	<0.2	6.8	42.0	0.028	1.9	17	
E6559728 (9339434)	<1	7.42	23	<20	131	<5	0.2	5.76	<0.2	13.6	64.5	0.014	1.3	55	
E6559729 (9339435)	<1	7.67	19	20	241	<5	0.3	5.76	<0.2	8.1	44.2	0.020	2.5	91	
E6559730 (9339436)	<1	7.91	11	<20	204	<5	<0.1	6.31	0.2	6.1	51.5	0.031	3.0	23	
E6559731 (9339437)	<1	6.09	8	<20	305	<5	<0.1	7.39	<0.2	23.6	46.4	0.081	3.4	27	
E6559732 (9339438)	<1	0.11	<5	<20	16.2	<5	0.2	34.9	<0.2	1.3	1.6	<0.005	<0.1	5	
E6559733 (9339439)	3	5.30	<5	<20	336	<5	<0.1	6.77	0.3	32.9	46.2	0.120	3.4	17	
E6559734 (9339440)	<1	7.23	12	<20	184	<5	0.2	7.19	<0.2	22.3	50.8	0.033	0.9	48	
E6559735 (9339441)	<1	7.78	13	<20	252	<5	0.3	7.14	<0.2	12.7	47.4	0.022	1.7	67	
E6559736 (9339442)	<1	7.02	7	<20	201	<5	0.2	9.26	<0.2	12.9	50.7	0.021	1.3	108	
E6559737 (9339443)	<1	7.81	6	<20	274	<5	0.2	6.74	<0.2	11.9	49.4	0.022	2.6	95	
E6559738 (9339444)	<1	7.89	<5	<20	286	<5	0.2	6.87	<0.2	12.7	50.7	0.023	2.8	117	
E6559739 (9339445)	<1	7.91	7	<20	360	<5	0.3	7.65	<0.2	12.9	49.3	0.024	1.6	50	
E6559740 (9339446)	1	7.29	17	<20	398	<5	0.5	7.00	<0.2	13.5	51.7	0.020	0.8	170	
E6559741 (9339447)	<1	6.26	16	<20	75.7	<5	0.2	5.55	0.7	84.9	44.2	0.035	0.5	42	
E6559742 (9339448)	<1	6.22	10	<20	107	<5	0.1	5.32	<0.2	71.7	44.4	0.033	0.6	27	
E6559743 (9339449)	1	7.85	7	21	519	<5	0.2	7.37	<0.2	16.4	51.3	0.024	2.3	74	
E6559744 (9339450)	<1	6.08	12	<20	427	<5	0.2	5.46	0.8	54.2	45.4	0.040	0.5	69	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6559745 (9339451)	<1	8.10	<5	<20	290	<5	0.2	7.00	<0.2	13.5	54.7	0.025	1.7	62	
E6559746 (9339452)	<1	4.77	564	112	176	<5	8.7	4.25	<0.2	74.8	993	0.006	2.6	3050	
E6559747 (9339453)	<1	8.21	17	<20	206	<5	0.5	4.84	<0.2	13.9	54.0	0.024	3.4	96	
E6559748 (9339454)	<1	8.23	11	<20	377	<5	0.3	6.46	<0.2	12.5	50.1	0.023	2.2	91	
E6559749 (9339455)	<1	6.45	7	<20	121	<5	0.1	5.77	0.3	62.7	40.0	0.042	0.7	149	
E6559750 (9339456)	<1	5.78	9	<20	55.9	<5	0.3	5.84	<0.2	70.2	40.5	0.040	0.5	39	
E6559751 (9339457)	1	6.97	16	<20	178	<5	0.4	4.56	0.2	86.5	41.2	0.025	0.4	99	
E6559752 (9339458)	<1	0.13	<5	<20	13.9	<5	<0.1	33.8	<0.2	2.1	1.8	<0.005	<0.1	7	
E6559753 (9339459)	1	6.49	14	<20	389	<5	0.3	5.22	0.3	70.4	52.2	0.030	0.5	113	
E6559754 (9339460)	1	7.14	13	<20	264	<5	0.2	4.10	0.2	54.3	35.3	0.049	0.3	50	
E6559755 (9339461)	<1	6.65	15	<20	236	<5	0.1	5.04	0.6	72.5	40.7	0.034	0.4	88	
E6559756 (9339462)	<1	7.94	12	<20	570	<5	0.2	6.97	<0.2	15.7	50.0	0.022	3.5	89	
E6559757 (9339463)	<1	7.82	15	<20	381	<5	0.5	5.50	0.4	12.0	55.0	0.022	6.1	122	
E6559758 (9339464)	2	8.01	14	<20	391	<5	0.7	5.54	0.4	12.7	55.6	0.022	7.7	154	
E6559759 (9339465)	<1	7.74	5	<20	231	<5	0.2	6.99	<0.2	13.2	47.1	0.022	3.1	80	
E6559760 (9339466)	<1	7.84	<5	22	314	<5	0.1	6.29	<0.2	12.9	50.7	0.022	2.2	99	
E6559761 (9339467)	<1	7.66	<5	163	253	<5	0.3	7.25	<0.2	13.0	46.9	0.021	1.8	106	
E6559762 (9339468)	<1	7.67	8	24	349	<5	0.2	5.79	<0.2	15.7	51.9	0.025	1.7	116	
E6559763 (9339469)	<1	7.72	<5	33	315	<5	0.2	5.79	<0.2	13.7	43.2	0.021	1.6	85	
E6559764 (9339470)	6	7.51	7	20	329	<5	0.3	6.05	<0.2	11.6	45.1	0.020	1.3	138	
E6559765 (9339471)	<1	7.74	31	24	258	<5	0.5	3.71	<0.2	10.4	56.9	0.021	1.4	56	
E6559766 (9339472)	<1	4.88	565	110	179	<5	8.8	4.37	<0.2	73.5	1030	0.006	2.5	3090	
E6559767 (9339473)	<1	8.57	43	32	107	<5	0.5	2.13	<0.2	7.9	52.2	0.026	1.7	230	
E6559768 (9339474)	<1	8.26	10	<20	190	<5	0.2	5.46	<0.2	13.2	47.3	0.023	2.2	78	
E6559769 (9339475)	<1	8.08	<5	31	400	<5	<0.1	6.47	0.2	11.6	50.8	0.023	1.1	136	
E6559770 (9339476)	<1	7.94	6	40	273	<5	0.2	6.57	0.2	13.1	54.6	0.023	1.6	87	
E6559771 (9339477)	<1	7.74	8	36	362	<5	0.2	5.94	0.6	22.9	49.5	0.028	1.6	122	
E6559772 (9339478)	<1	0.16	<5	<20	19.1	<5	<0.1	33.3	<0.2	1.2	1.9	<0.005	<0.1	9	
E6559773 (9339479)	<1	7.42	6	20	471	<5	0.2	5.46	0.5	26.8	47.1	0.029	0.9	98	
E6559774 (9339480)	<1	8.58	<5	24	412	<5	0.1	4.58	<0.2	18.0	35.8	0.014	0.9	90	
E6559775 (9339481)	<1	8.02	<5	58	342	<5	0.2	6.29	<0.2	12.9	48.0	0.022	1.6	69	
E6559776 (9339482)	<1	8.12	7	60	398	<5	0.2	7.58	<0.2	13.2	56.4	0.022	1.3	139	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

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MISSISSAUGA, ONTARIO
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TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018		DATE REPORTED: Jul 25, 2018		SAMPLE TYPE: Drill Core									
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6559777 (9339483)	1	7.89	11	<20	339	<5	0.3	7.15	0.6	12.3	49.5	0.022	1.0	99
E6559778 (9339484)	<1	8.04	9	<20	354	<5	0.2	7.54	0.6	12.4	48.5	0.022	1.0	103
E6559779 (9339485)	<1	7.72	9	<20	168	<5	0.3	4.14	10.4	45.7	37.5	0.019	0.6	164
E6559780 (9339486)	<1	8.29	14	<20	241	<5	0.3	3.81	0.5	62.1	36.4	0.013	0.5	38
E6559781 (9339487)	4	7.91	7	25	282	<5	0.2	6.50	<0.2	12.7	49.2	0.021	1.3	114
E6559782 (9339488)	1	8.22	<5	47	290	<5	0.2	6.31	<0.2	14.9	49.3	0.021	2.4	87
E6559783 (9339489)	<1	9.19	<5	<20	751	<5	<0.1	3.63	<0.2	24.9	25.1	0.006	0.7	64
E6559784 (9339490)	1	7.67	<5	26	237	<5	0.4	6.07	18.5	29.4	32.5	0.016	0.4	220
E6559785 (9339491)	<1	8.67	8	26	516	<5	0.2	6.09	0.3	12.9	48.8	0.025	0.7	74
E6559786 (9339492)	<1	4.97	566	108	178	<5	8.9	4.21	<0.2	75.9	1010	0.008	2.6	3140
E6559787 (9339493)	<1	8.33	5	54	366	<5	0.1	6.47	<0.2	11.6	50.7	0.023	1.9	44
E6559788 (9339494)	3	8.40	<5	46	378	<5	0.2	6.34	<0.2	13.5	46.8	0.022	1.5	64
E6559789 (9339495)	<1	8.18	<5	32	318	<5	0.1	7.40	<0.2	12.6	48.1	0.023	1.1	34
E6559790 (9339496)	<1	8.48	<5	33	181	<5	<0.1	7.01	<0.2	12.1	48.7	0.025	1.5	42
E6559791 (9339497)	1	9.13	<5	25	232	<5	<0.1	7.12	<0.2	13.0	56.8	0.026	3.3	75
E6559792 (9339498)	<1	0.12	<5	<20	15.3	<5	<0.1	34.7	<0.2	1.1	1.6	<0.005	<0.1	7
E6559793 (9339499)	2	8.47	199	<20	414	<5	0.8	6.11	1.2	11.0	88.6	0.025	1.9	61
E6559794 (9339500)	2	8.35	9	24	259	<5	0.3	8.71	<0.2	13.1	59.7	0.025	2.6	283
E6559795 (9339501)	3	7.45	<5	34	151	<5	0.4	8.95	<0.2	16.1	58.3	0.020	2.5	411
E6559796 (9339502)	<1	9.00	<5	<20	185	<5	<0.1	6.94	0.2	13.2	60.3	0.026	4.7	127
E6559797 (9339503)	<1	8.53	<5	<20	148	<5	<0.1	7.99	<0.2	13.0	58.4	0.026	1.2	76
E6559798 (9339504)	<1	8.41	<5	<20	139	<5	0.1	8.14	<0.2	11.9	54.9	0.027	1.1	75
E6559799 (9339505)	<1	8.30	<5	21	105	<5	0.2	8.40	<0.2	12.5	70.7	0.025	1.2	338
E6559800 (9339506)	<1	8.78	<5	28	152	<5	<0.1	6.92	<0.2	12.8	54.7	0.026	1.2	83
E6559801 (9339507)	<1	8.74	<5	109	170	<5	<0.1	7.03	<0.2	12.4	50.3	0.028	1.5	80
E6559802 (9339508)	<1	8.93	<5	24	148	<5	<0.1	6.46	<0.2	12.9	59.5	0.027	1.2	94
E6559803 (9339509)	<1	8.36	<5	<20	134	<5	0.1	7.59	<0.2	12.1	54.8	0.024	1.5	92
E6559804 (9339510)	2	8.57	<5	29	166	<5	<0.1	6.90	<0.2	12.3	53.2	0.025	2.1	85
E6559805 (9339511)	<1	8.69	<5	<20	157	<5	<0.1	7.76	<0.2	12.8	51.9	0.026	1.5	32
E6559806 (9339512)	<1	4.98	564	107	178	<5	8.9	4.17	<0.2	75.5	1000	0.006	2.5	3060

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6559713 (9339419)	3.56	2.28	1.04	9.68	16.9	3.29	2	2	0.74	<0.2	1.42	5.0	34	0.36	
E6559714 (9339420)	3.99	2.58	0.96	11.5	17.7	3.39	2	2	0.80	<0.2	1.28	4.4	25	0.43	
E6559715 (9339421)	3.91	2.32	1.00	10.8	17.1	3.25	2	2	0.77	<0.2	1.24	5.2	28	0.40	
E6559716 (9339422)	3.48	2.30	0.83	12.8	16.4	2.93	2	2	0.75	<0.2	0.94	4.1	40	0.37	
E6559717 (9339423)	4.10	2.57	1.23	13.0	17.2	3.68	2	2	0.91	<0.2	1.04	5.4	24	0.40	
E6559718 (9339424)	4.22	2.52	1.22	12.8	16.4	3.56	2	2	0.87	<0.2	1.02	5.6	25	0.39	
E6559719 (9339425)	4.67	2.99	1.36	11.3	17.9	4.06	2	2	0.97	<0.2	1.22	5.6	19	0.44	
E6559720 (9339426)	4.39	2.64	1.07	9.84	17.6	3.74	2	2	0.92	<0.2	1.68	5.4	30	0.46	
E6559721 (9339427)	4.06	2.77	0.97	7.33	18.2	3.82	2	2	0.89	<0.2	1.36	5.4	14	0.41	
E6559722 (9339428)	3.72	2.41	0.89	7.03	15.9	3.27	2	2	0.83	<0.2	1.06	4.5	12	0.37	
E6559723 (9339429)	3.18	2.04	0.83	8.18	16.2	2.48	2	1	0.67	<0.2	2.01	2.2	57	0.32	
E6559724 (9339430)	3.21	2.03	0.96	10.1	15.0	2.63	2	1	0.66	<0.2	0.87	3.0	34	0.32	
E6559725 (9339431)	3.22	2.04	1.32	9.44	13.3	2.74	2	1	0.64	<0.2	0.64	3.9	29	0.27	
E6559726 (9339432)	3.34	1.99	1.10	3.33	11.8	4.72	2	5	0.67	0.2	3.44	37.6	<10	0.30	
E6559727 (9339433)	2.77	1.93	0.87	8.56	13.2	2.38	2	1	0.61	<0.2	1.39	2.8	37	0.31	
E6559728 (9339434)	4.42	2.52	1.03	8.81	16.0	4.32	2	2	0.90	<0.2	0.62	5.6	31	0.36	
E6559729 (9339435)	3.78	2.42	0.79	8.88	15.1	2.97	2	2	0.82	<0.2	1.05	2.9	38	0.40	
E6559730 (9339436)	2.98	1.91	0.67	8.40	14.3	2.52	2	1	0.59	<0.2	0.92	2.2	36	0.35	
E6559731 (9339437)	2.56	1.61	0.74	7.68	12.2	2.99	2	2	0.51	<0.2	1.14	11.2	44	0.24	
E6559732 (9339438)	0.29	0.41	0.08	0.19	0.28	0.32	<1	<1	0.20	<0.2	<0.05	1.4	<10	0.20	
E6559733 (9339439)	2.65	1.57	1.08	7.59	11.3	3.34	2	2	0.50	<0.2	1.05	15.3	47	0.24	
E6559734 (9339440)	3.97	2.51	1.21	8.99	16.5	4.37	2	2	0.82	<0.2	0.53	9.4	17	0.38	
E6559735 (9339441)	4.19	2.60	1.01	9.63	16.5	3.67	2	2	0.89	<0.2	0.86	5.1	18	0.41	
E6559736 (9339442)	3.72	2.37	0.77	9.11	16.8	3.36	2	2	0.77	<0.2	0.75	5.4	<10	0.39	
E6559737 (9339443)	4.16	2.64	0.99	9.09	16.2	3.52	2	2	0.89	<0.2	0.89	4.5	19	0.42	
E6559738 (9339444)	4.40	2.88	1.10	9.38	17.5	3.90	2	2	0.89	<0.2	0.93	4.9	19	0.41	
E6559739 (9339445)	4.29	2.72	1.14	8.96	17.9	3.66	2	2	0.94	<0.2	0.85	5.0	15	0.47	
E6559740 (9339446)	4.08	2.47	1.10	10.8	17.2	3.65	2	2	0.89	<0.2	0.93	6.1	22	0.42	
E6559741 (9339447)	4.95	2.17	2.52	8.77	18.0	8.70	2	5	0.85	<0.2	0.31	36.8	25	0.27	
E6559742 (9339448)	4.90	2.18	2.48	8.43	17.4	7.75	2	4	0.82	<0.2	0.28	30.9	27	0.26	
E6559743 (9339449)	4.11	2.82	1.28	8.67	17.7	3.88	2	2	0.87	<0.2	1.71	6.8	20	0.43	
E6559744 (9339450)	3.85	1.89	1.73	7.63	14.6	6.20	1	4	0.70	<0.2	1.09	23.2	22	0.28	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6559745 (9339451)	4.19	2.89	1.07	8.36	17.4	3.73	2	2	0.87	<0.2	0.88	5.4	14	0.41	
E6559746 (9339452)	3.13	1.98	1.02	3.34	11.6	4.66	2	5	0.66	0.2	3.41	37.3	10	0.29	
E6559747 (9339453)	4.20	2.71	1.18	8.42	18.1	3.74	2	2	0.90	<0.2	0.84	5.9	25	0.37	
E6559748 (9339454)	4.27	2.73	1.12	9.35	18.3	3.60	2	2	0.86	<0.2	0.85	4.8	18	0.41	
E6559749 (9339455)	4.55	2.09	2.20	10.3	17.7	7.28	2	4	0.82	<0.2	0.30	26.4	31	0.33	
E6559750 (9339456)	4.52	1.96	2.49	8.91	16.4	7.64	2	4	0.80	<0.2	0.26	30.6	24	0.27	
E6559751 (9339457)	4.85	2.12	2.73	7.30	17.6	8.28	1	5	0.87	<0.2	0.46	38.2	25	0.32	
E6559752 (9339458)	0.32	0.16	0.11	0.24	0.37	0.34	<1	<1	0.07	<0.2	<0.05	1.7	<10	<0.05	
E6559753 (9339459)	4.55	2.09	2.34	7.59	17.0	7.39	1	4	0.78	<0.2	1.03	30.8	29	0.26	
E6559754 (9339460)	2.91	1.36	1.49	5.87	15.4	4.83	1	3	0.54	<0.2	0.69	24.9	19	0.20	
E6559755 (9339461)	4.58	2.25	2.29	7.78	16.8	7.68	2	4	0.83	<0.2	0.41	31.6	30	0.30	
E6559756 (9339462)	4.41	2.77	1.23	9.57	18.5	3.94	2	2	0.94	<0.2	1.53	6.8	32	0.43	
E6559757 (9339463)	4.07	2.60	0.97	9.87	15.7	3.70	2	2	0.81	<0.2	1.60	4.7	44	0.38	
E6559758 (9339464)	4.44	2.80	1.08	10.1	17.0	3.86	2	2	0.93	<0.2	1.77	5.0	48	0.41	
E6559759 (9339465)	4.16	2.77	1.05	9.68	17.7	3.73	2	2	0.83	<0.2	0.99	5.4	26	0.43	
E6559760 (9339466)	4.48	2.77	1.07	9.78	17.4	3.72	2	2	0.93	<0.2	0.72	5.1	24	0.43	
E6559761 (9339467)	4.29	2.63	1.06	9.66	19.4	3.55	2	2	0.88	<0.2	0.80	5.3	19	0.42	
E6559762 (9339468)	4.10	2.65	1.25	9.67	16.9	3.75	2	2	0.91	<0.2	0.78	6.2	30	0.40	
E6559763 (9339469)	4.28	2.65	1.14	9.72	16.1	3.55	2	2	0.89	<0.2	0.72	5.6	25	0.44	
E6559764 (9339470)	3.95	2.50	0.97	9.46	17.4	3.51	2	2	0.83	<0.2	0.81	4.5	25	0.38	
E6559765 (9339471)	3.71	2.40	1.06	9.38	15.6	2.83	2	2	0.75	<0.2	1.79	3.8	51	0.39	
E6559766 (9339472)	3.40	1.84	1.09	3.43	11.6	4.29	2	5	0.62	0.2	3.44	35.9	<10	0.29	
E6559767 (9339473)	3.53	2.33	0.93	12.6	19.5	2.69	1	2	0.72	<0.2	2.03	2.8	84	0.34	
E6559768 (9339474)	4.45	3.03	1.23	9.74	17.1	3.77	2	2	0.94	<0.2	0.91	5.3	30	0.49	
E6559769 (9339475)	3.99	2.68	1.13	8.68	17.5	3.51	2	2	0.88	<0.2	1.16	4.5	21	0.39	
E6559770 (9339476)	4.11	2.73	1.16	8.67	17.3	3.51	2	2	0.89	<0.2	0.96	5.1	18	0.38	
E6559771 (9339477)	3.98	2.47	1.37	8.66	17.7	4.45	2	3	0.82	<0.2	1.04	9.4	26	0.34	
E6559772 (9339478)	0.26	0.15	0.09	0.25	0.41	0.24	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	
E6559773 (9339479)	4.47	2.54	1.31	9.57	17.2	4.58	2	3	0.81	<0.2	0.72	11.3	34	0.36	
E6559774 (9339480)	3.86	2.40	1.05	8.43	16.8	3.56	2	2	0.79	<0.2	0.90	7.8	28	0.38	
E6559775 (9339481)	4.34	2.76	1.11	10.3	17.2	3.84	2	2	0.88	<0.2	0.87	5.1	28	0.44	
E6559776 (9339482)	4.34	2.69	1.18	10.3	19.1	3.88	2	2	0.85	<0.2	1.14	5.2	21	0.45	

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6559777 (9339483)	4.32	2.65	1.05	10.0	17.4	3.75	2	2	0.89	<0.2	1.04	4.8	20	0.40	
E6559778 (9339484)	4.15	2.83	1.14	10.3	17.6	3.63	2	2	0.90	<0.2	1.10	4.9	19	0.46	
E6559779 (9339485)	3.78	2.34	1.77	10.7	17.3	4.85	1	3	0.74	<0.2	0.33	20.3	32	0.37	
E6559780 (9339486)	3.37	1.81	1.57	8.16	17.1	5.21	1	3	0.66	<0.2	0.39	29.0	27	0.27	
E6559781 (9339487)	4.32	2.70	1.07	9.90	17.2	3.74	2	2	0.88	<0.2	1.05	5.0	23	0.41	
E6559782 (9339488)	4.19	2.73	1.09	9.94	17.5	3.52	2	2	0.88	<0.2	1.40	6.2	26	0.42	
E6559783 (9339489)	3.12	1.81	1.14	6.73	17.7	3.27	1	3	0.65	<0.2	1.91	11.6	18	0.26	
E6559784 (9339490)	3.93	2.38	1.68	11.0	19.1	3.87	2	2	0.76	0.3	0.36	15.1	20	0.35	
E6559785 (9339491)	4.26	2.97	1.25	9.37	19.0	3.83	2	2	0.93	<0.2	1.15	5.1	16	0.44	
E6559786 (9339492)	3.48	2.05	1.01	3.43	11.4	4.80	1	5	0.66	0.2	3.46	37.9	<10	0.31	
E6559787 (9339493)	4.16	2.72	1.08	9.47	18.5	3.66	2	2	0.91	<0.2	1.04	4.6	23	0.41	
E6559788 (9339494)	4.27	2.64	1.17	9.64	18.4	3.65	2	2	0.91	<0.2	1.19	5.6	23	0.45	
E6559789 (9339495)	4.41	2.77	1.09	9.41	17.6	3.64	2	2	0.92	<0.2	1.05	5.3	15	0.41	
E6559790 (9339496)	4.28	2.70	1.05	8.77	17.9	3.77	2	2	0.87	<0.2	0.67	4.7	16	0.38	
E6559791 (9339497)	4.34	2.85	1.07	9.25	19.9	3.86	2	2	0.95	<0.2	1.08	5.2	18	0.44	
E6559792 (9339498)	0.26	0.13	0.10	0.20	0.26	0.27	1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05	
E6559793 (9339499)	4.39	2.73	1.06	9.80	17.1	3.57	1	2	0.91	<0.2	1.13	4.3	19	0.43	
E6559794 (9339500)	4.21	3.03	0.99	12.4	18.8	3.78	2	2	0.94	<0.2	1.23	5.1	14	0.48	
E6559795 (9339501)	4.25	2.83	1.13	14.5	17.2	3.75	2	2	0.85	<0.2	0.90	6.6	13	0.39	
E6559796 (9339502)	4.37	2.93	0.95	9.79	18.4	3.67	2	2	0.93	<0.2	1.15	5.2	19	0.43	
E6559797 (9339503)	4.29	2.76	1.10	9.17	19.2	3.87	2	2	0.96	<0.2	0.65	5.1	<10	0.42	
E6559798 (9339504)	4.38	2.90	1.00	9.30	18.0	3.61	2	2	0.84	<0.2	0.62	4.6	<10	0.43	
E6559799 (9339505)	4.23	2.66	1.15	10.8	18.5	3.88	2	2	0.90	<0.2	0.66	5.0	<10	0.41	
E6559800 (9339506)	4.25	2.72	1.19	8.88	19.0	3.75	2	2	0.92	<0.2	0.81	4.8	10	0.45	
E6559801 (9339507)	4.25	2.70	1.12	8.01	19.5	3.66	2	2	0.90	<0.2	0.80	4.9	10	0.37	
E6559802 (9339508)	4.43	2.82	1.13	8.68	19.7	3.71	2	2	0.89	<0.2	0.62	5.0	<10	0.42	
E6559803 (9339509)	4.01	2.68	1.03	9.34	18.5	3.61	2	2	0.88	<0.2	0.71	4.7	10	0.38	
E6559804 (9339510)	4.13	2.58	1.03	8.94	18.8	3.67	2	2	0.85	<0.2	0.74	4.8	12	0.40	
E6559805 (9339511)	4.44	2.69	1.06	8.35	18.4	3.61	2	2	0.90	<0.2	0.73	4.9	<10	0.40	
E6559806 (9339512)	3.28	2.12	1.02	3.44	11.6	4.42	2	5	0.64	0.2	3.46	36.8	<10	0.31	

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6559713 (9339419)	3.35	2070	39	3	8.5	77	0.05	122	1.72	67.7	0.37	1.1	34	21.6	
E6559714 (9339420)	3.39	2440	11	3	8.1	87	0.04	37	1.69	67.5	0.58	1.3	36	20.5	
E6559715 (9339421)	3.29	2310	7	3	9.2	85	0.05	57	1.88	68.7	0.52	1.3	31	20.9	
E6559716 (9339422)	4.24	2510	7	3	7.0	84	0.05	147	1.44	38.0	0.77	0.9	36	20.3	
E6559717 (9339423)	3.93	2620	9	3	9.4	89	0.04	72	2.00	42.6	1.07	1.2	34	20.2	
E6559718 (9339424)	4.11	2650	8	3	9.3	91	0.04	80	1.97	39.1	0.95	1.1	34	20.3	
E6559719 (9339425)	3.44	2440	7	3	9.9	87	0.05	46	2.04	48.3	0.75	1.5	40	20.2	
E6559720 (9339426)	3.99	2380	18	3	9.4	90	0.04	111	2.00	91.5	0.30	0.8	40	21.9	
E6559721 (9339427)	2.89	1610	9	3	10.0	76	0.05	37	2.04	55.4	0.08	0.8	40	22.4	
E6559722 (9339428)	2.72	1500	7	3	7.8	88	0.04	24	1.64	44.0	0.08	0.8	39	23.9	
E6559723 (9339429)	5.24	1980	5	2	5.2	145	0.03	42	1.01	119	0.01	0.6	43	20.7	
E6559724 (9339430)	5.60	2230	20	2	6.0	145	0.03	17	1.21	37.3	0.02	0.4	42	21.2	
E6559725 (9339431)	5.11	2080	45	2	6.3	136	0.02	19	1.22	19.3	0.04	0.4	39	21.2	
E6559726 (9339432)	2.73	471	13	8	32.1	167	0.07	13	8.72	113	1.63	1.6	7	25.5	
E6559727 (9339433)	5.02	1780	37	2	5.4	145	0.02	9	1.09	62.3	<0.01	0.5	38	21.1	
E6559728 (9339434)	4.64	1770	7	3	10.2	109	0.04	18	2.10	25.2	0.11	0.3	37	20.5	
E6559729 (9339435)	5.30	1920	6	2	6.9	135	0.04	33	1.30	51.1	0.11	0.4	39	20.9	
E6559730 (9339436)	5.29	1800	4	2	5.3	157	0.03	13	0.99	48.1	0.02	0.3	42	21.8	
E6559731 (9339437)	6.72	1670	6	2	13.2	217	0.10	67	2.95	59.5	0.01	0.3	30	20.9	
E6559732 (9339438)	2.19	70	<2	<1	1.0	<5	0.01	<5	0.26	1.0	<0.01	<0.1	<5	3.78	
E6559733 (9339439)	8.07	1660	171	3	17.7	268	0.16	14	4.17	55.8	<0.01	0.2	27	21.8	
E6559734 (9339440)	4.62	1660	10	4	14.4	170	0.09	10	3.17	17.8	0.09	0.5	36	21.4	
E6559735 (9339441)	4.00	1850	9	3	9.2	93	0.05	22	1.93	34.4	0.10	0.5	39	21.5	
E6559736 (9339442)	3.93	2020	21	3	9.3	86	0.04	26	1.89	29.3	0.12	0.9	36	21.0	
E6559737 (9339443)	4.00	2070	9	3	8.8	94	0.05	19	1.74	43.4	0.12	0.4	41	21.6	
E6559738 (9339444)	4.01	2080	9	3	9.3	92	0.04	19	1.91	47.2	0.12	0.4	41	22.0	
E6559739 (9339445)	3.86	1830	15	3	9.3	94	0.05	21	1.85	34.2	0.10	0.6	42	21.7	
E6559740 (9339446)	4.52	1980	30	3	9.5	98	0.04	37	1.95	25.2	0.23	0.6	40	21.3	
E6559741 (9339447)	5.99	1550	2	8	49.1	226	0.29	42	11.3	6.8	0.16	0.5	23	22.3	
E6559742 (9339448)	5.69	1500	2	7	42.1	212	0.23	18	9.87	7.0	0.10	0.6	23	22.5	
E6559743 (9339449)	3.72	1700	12	3	11.2	111	0.06	28	2.34	65.7	0.10	0.5	40	22.2	
E6559744 (9339450)	5.63	1330	3	6	31.5	258	0.19	248	7.24	23.8	0.16	0.8	21	23.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6559745 (9339451)	2.98	1630	18	3	9.7	106	0.05	15	1.98	34.7	0.13	0.4	42	22.6	
E6559746 (9339452)	2.74	466	12	8	32.2	168	0.07	14	8.68	111	1.63	1.6	7	25.5	
E6559747 (9339453)	3.22	1500	6	3	9.8	99	0.05	238	2.03	43.7	0.16	0.4	41	22.9	
E6559748 (9339454)	3.07	1810	7	3	9.1	104	0.05	16	1.89	36.3	0.22	0.6	43	22.2	
E6559749 (9339455)	6.59	1860	2	7	38.1	267	0.23	9	8.47	6.4	0.06	0.4	24	22.7	
E6559750 (9339456)	6.29	1700	<2	7	42.1	246	0.25	28	9.59	5.1	0.05	0.4	22	21.8	
E6559751 (9339457)	4.80	1370	2	8	48.9	181	0.24	40	11.1	10.0	0.16	0.4	17	22.9	
E6559752 (9339458)	2.53	89	<2	<1	1.6	6	0.01	6	0.35	0.4	<0.01	0.1	<5	4.89	
E6559753 (9339459)	5.21	1450	2	7	41.1	199	0.25	40	9.41	20.6	0.16	0.4	19	22.7	
E6559754 (9339460)	4.58	1110	3	6	28.7	179	0.14	106	7.05	13.6	0.09	0.4	17	25.1	
E6559755 (9339461)	5.63	1460	2	7	41.6	201	0.24	73	9.39	9.0	0.12	0.4	21	23.2	
E6559756 (9339462)	4.11	1830	5	3	10.8	104	0.06	41	2.26	64.0	0.19	0.7	41	21.2	
E6559757 (9339463)	4.27	1710	31	3	8.5	94	0.05	81	1.69	77.9	0.27	0.6	40	21.8	
E6559758 (9339464)	4.38	1730	48	3	9.6	98	0.05	97	1.94	93.6	0.25	0.7	41	21.7	
E6559759 (9339465)	4.21	1720	29	3	9.3	98	0.05	20	1.85	47.3	0.13	0.5	40	21.8	
E6559760 (9339466)	4.13	1620	6	3	9.5	98	0.05	7	1.94	30.8	0.16	0.5	40	22.1	
E6559761 (9339467)	3.88	1740	9	3	9.0	90	0.04	16	1.87	30.5	0.15	0.6	38	21.6	
E6559762 (9339468)	4.53	1630	4	3	10.7	124	0.06	12	2.26	30.8	0.23	0.7	39	21.8	
E6559763 (9339469)	4.20	1700	6	3	9.2	96	0.06	6	2.06	29.5	0.17	0.5	39	22.1	
E6559764 (9339470)	4.26	1720	15	3	8.4	94	0.04	11	1.77	30.5	0.24	0.5	38	21.9	
E6559765 (9339471)	4.26	1400	4	3	7.6	148	0.05	31	1.52	44.6	0.30	0.7	38	21.8	
E6559766 (9339472)	2.81	471	13	8	31.1	169	0.08	14	8.43	110	1.68	1.5	7	26.2	
E6559767 (9339473)	5.78	1540	<2	4	5.6	151	0.06	20	1.17	34.3	0.36	0.8	37	18.5	
E6559768 (9339474)	3.86	1720	4	3	9.4	97	0.05	43	1.99	40.9	0.17	0.6	44	22.0	
E6559769 (9339475)	4.21	1880	3	3	8.9	99	0.05	15	1.70	49.9	0.09	0.6	42	22.4	
E6559770 (9339476)	3.95	2140	3	3	9.2	102	0.05	25	1.94	41.7	0.18	0.5	41	22.5	
E6559771 (9339477)	4.36	1920	3	4	15.5	133	0.09	169	3.29	39.8	0.23	0.8	36	22.7	
E6559772 (9339478)	2.41	95	<2	<1	1.0	6	0.01	<5	0.23	0.7	<0.01	<0.1	<5	5.89	
E6559773 (9339479)	5.26	2160	3	4	17.7	147	0.10	145	3.76	23.7	0.18	0.7	35	22.3	
E6559774 (9339480)	3.83	1910	3	3	11.2	59	0.08	18	2.47	28.6	0.16	0.5	33	22.9	
E6559775 (9339481)	4.58	2420	4	3	9.4	95	0.05	22	1.86	35.2	0.14	0.7	41	21.7	
E6559776 (9339482)	4.01	2070	4	3	9.3	99	0.04	26	1.96	46.9	0.24	0.8	41	22.0	

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PROJECT: DHH-131B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6559777 (9339483)	4.17	2050	13	3	9.1	96	0.05	58	1.78	35.1	0.22	0.8	41	21.5	
E6559778 (9339484)	4.22	2100	15	3	8.8	95	0.05	54	1.81	36.3	0.22	0.7	41	21.7	
E6559779 (9339485)	4.68	1930	2	4	23.9	84	0.11	591	5.83	7.6	0.29	0.5	32	22.2	
E6559780 (9339486)	3.85	1420	2	4	31.2	70	0.16	105	7.75	11.4	0.23	0.5	23	23.8	
E6559781 (9339487)	4.30	2140	4	3	8.9	99	0.05	23	1.86	42.1	0.15	0.5	40	21.9	
E6559782 (9339488)	4.32	1840	5	3	9.8	87	0.06	10	2.10	63.7	0.16	0.5	40	22.1	
E6559783 (9339489)	3.00	1240	3	3	13.2	20	0.10	14	3.18	50.7	0.08	0.4	24	24.4	
E6559784 (9339490)	3.96	2060	7	3	14.7	58	0.08	273	3.52	7.4	0.34	5.0	35	21.2	
E6559785 (9339491)	3.34	1870	4	3	9.7	95	0.06	23	1.97	40.0	0.13	0.6	45	23.0	
E6559786 (9339492)	2.75	469	13	8	31.8	169	0.07	14	8.72	114	1.64	1.6	7	26.3	
E6559787 (9339493)	4.21	2030	4	3	8.6	96	0.05	22	1.74	46.6	0.07	0.6	43	22.0	
E6559788 (9339494)	4.29	2110	4	3	9.7	95	0.05	46	1.97	52.3	0.15	0.6	42	22.4	
E6559789 (9339495)	3.84	1930	6	3	8.9	95	0.05	33	1.85	42.0	0.10	0.5	42	22.1	
E6559790 (9339496)	3.30	1800	6	3	9.4	84	0.05	14	1.87	26.5	0.05	0.3	43	22.9	
E6559791 (9339497)	2.82	1880	7	4	9.1	89	0.05	21	1.90	57.0	0.14	0.3	46	23.2	
E6559792 (9339498)	2.31	62	<2	<1	0.9	<5	0.01	<5	0.22	0.7	<0.01	<0.1	<5	4.70	
E6559793 (9339499)	3.16	2100	31	3	8.2	90	0.06	220	1.68	40.7	0.28	0.5	43	22.6	
E6559794 (9339500)	2.42	2790	8	3	9.4	102	0.04	31	1.93	53.1	0.82	0.6	43	20.6	
E6559795 (9339501)	2.38	3320	22	3	10.7	83	0.05	42	2.27	40.2	1.08	0.5	36	21.6	
E6559796 (9339502)	2.43	2150	7	3	9.4	86	0.04	41	1.92	59.1	0.29	0.3	46	22.8	
E6559797 (9339503)	2.94	2340	7	3	9.6	95	0.05	19	1.93	26.5	0.12	0.2	45	22.3	
E6559798 (9339504)	2.87	2290	9	3	9.3	93	0.05	18	1.80	23.6	0.11	0.7	44	22.2	
E6559799 (9339505)	2.24	2610	7	3	9.1	78	0.05	7	1.92	25.1	0.57	0.3	43	21.7	
E6559800 (9339506)	1.86	2090	8	3	9.2	86	0.05	5	1.85	31.5	0.10	0.3	45	22.6	
E6559801 (9339507)	2.09	2140	9	3	9.1	175	0.05	8	1.82	33.9	<0.01	0.4	45	23.1	
E6559802 (9339508)	2.60	2060	8	3	9.6	88	0.05	8	1.99	26.2	0.06	0.2	47	23.2	
E6559803 (9339509)	2.73	2270	10	3	8.8	76	0.05	7	1.80	28.7	0.08	0.2	42	22.9	
E6559804 (9339510)	3.04	2110	8	3	8.8	85	0.06	6	1.84	35.3	0.09	0.3	44	22.6	
E6559805 (9339511)	2.86	2050	14	3	8.9	84	0.05	<5	1.80	32.2	<0.01	0.2	45	23.1	
E6559806 (9339512)	2.83	472	13	8	31.8	167	0.07	14	8.58	109	1.65	1.6	7	26.3	

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 18, 2018

DATE REPORTED: Jul 25, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6559713 (9339419)		2.3	<1	149	<0.5	0.50	0.5	0.71	<0.5	0.36	0.16	275	4	19.2	2.4
E6559714 (9339420)		2.6	<1	162	<0.5	0.57	0.5	0.69	<0.5	0.40	0.17	275	3	20.8	2.6
E6559715 (9339421)		2.5	1	149	<0.5	0.59	0.5	0.67	<0.5	0.37	0.20	259	3	20.2	2.6
E6559716 (9339422)		2.1	<1	83.7	<0.5	0.49	0.5	0.68	<0.5	0.36	0.15	268	3	17.9	2.3
E6559717 (9339423)		2.7	<1	130	<0.5	0.58	0.5	0.61	<0.5	0.45	0.14	254	3	23.2	2.7
E6559718 (9339424)		2.8	<1	130	<0.5	0.60	0.4	0.60	<0.5	0.39	0.15	252	3	22.5	2.7
E6559719 (9339425)		3.1	1	165	<0.5	0.66	0.6	0.69	<0.5	0.43	0.18	286	6	24.5	3.0
E6559720 (9339426)		2.9	<1	152	<0.5	0.63	0.5	0.70	0.7	0.43	0.15	290	3	23.4	2.9
E6559721 (9339427)		3.2	<1	167	<0.5	0.63	0.5	0.71	<0.5	0.40	0.12	287	3	22.6	2.7
E6559722 (9339428)		2.6	<1	177	<0.5	0.52	0.4	0.64	<0.5	0.38	0.11	260	3	19.8	2.5
E6559723 (9339429)		1.8	<1	130	<0.5	0.43	0.2	0.51	0.6	0.33	0.05	265	1	16.5	2.1
E6559724 (9339430)		2.0	<1	97.5	<0.5	0.44	0.2	0.50	<0.5	0.32	0.10	257	2	16.8	2.0
E6559725 (9339431)		2.1	<1	97.4	<0.5	0.48	0.2	0.46	<0.5	0.26	0.16	237	2	16.5	2.1
E6559726 (9339432)		5.8	2	29.3	0.7	0.60	11.7	0.24	0.8	0.32	7.46	57	4	18.1	2.2
E6559727 (9339433)		1.7	<1	162	<0.5	0.37	0.3	0.45	<0.5	0.28	0.10	237	<1	15.2	1.8
E6559728 (9339434)		3.4	<1	101	<0.5	0.66	0.4	0.61	<0.5	0.38	0.21	263	2	23.1	2.4
E6559729 (9339435)		2.3	<1	163	<0.5	0.55	0.3	0.54	<0.5	0.41	0.08	255	<1	20.4	2.5
E6559730 (9339436)		1.8	<1	213	<0.5	0.42	0.3	0.45	<0.5	0.32	<0.05	250	<1	16.2	2.1
E6559731 (9339437)		2.8	<1	172	<0.5	0.43	1.3	0.38	<0.5	0.23	0.39	186	<1	13.5	1.5
E6559732 (9339438)		0.2	<1	52.7	<0.5	<0.05	0.2	<0.01	<0.5	0.21	0.22	<5	<1	2.2	0.4
E6559733 (9339439)		3.6	<1	196	<0.5	0.50	2.1	0.37	<0.5	0.22	0.62	169	<1	13.3	1.5
E6559734 (9339440)		3.7	1	229	<0.5	0.66	1.0	0.66	<0.5	0.37	0.29	260	2	21.6	2.5
E6559735 (9339441)		2.7	<1	179	<0.5	0.62	0.5	0.70	<0.5	0.40	0.16	287	2	22.3	2.7
E6559736 (9339442)		2.8	<1	226	<0.5	0.57	0.5	0.61	<0.5	0.36	0.13	263	2	20.7	2.6
E6559737 (9339443)		2.6	<1	147	<0.5	0.61	0.5	0.70	<0.5	0.43	0.14	284	2	22.2	2.7
E6559738 (9339444)		2.8	<1	148	<0.5	0.66	0.5	0.71	<0.5	0.40	0.17	289	2	23.6	2.9
E6559739 (9339445)		2.8	<1	239	<0.5	0.65	0.5	0.70	<0.5	0.41	0.16	292	3	23.4	2.9
E6559740 (9339446)		2.8	<1	239	<0.5	0.65	0.4	0.63	<0.5	0.40	0.26	277	2	21.9	2.7
E6559741 (9339447)		9.8	2	261	<0.5	1.02	3.6	0.82	<0.5	0.31	0.97	174	1	21.8	1.9
E6559742 (9339448)		8.9	1	297	<0.5	0.95	3.2	0.78	<0.5	0.29	0.87	172	1	20.7	1.8
E6559743 (9339449)		3.2	1	206	<0.5	0.66	0.7	0.70	<0.5	0.41	0.25	285	2	22.8	2.6
E6559744 (9339450)		6.7	1	284	<0.5	0.76	2.9	0.63	<0.5	0.29	0.84	154	2	18.0	1.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018					DATE REPORTED: Jul 25, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6559745 (9339451)	2.9	<1	161	<0.5	0.60	0.6	0.73	<0.5	0.44	0.18	297	2	22.4	3.0	
E6559746 (9339452)	5.5	2	28.6	0.7	0.62	11.1	0.24	0.8	0.30	7.26	57	4	17.6	2.0	
E6559747 (9339453)	2.8	<1	109	<0.5	0.62	0.6	0.74	<0.5	0.37	0.24	302	2	22.2	2.7	
E6559748 (9339454)	2.7	1	225	<0.5	0.58	0.5	0.74	<0.5	0.39	0.17	305	2	23.2	2.9	
E6559749 (9339455)	8.2	1	164	<0.5	0.90	3.0	0.78	<0.5	0.31	0.78	188	1	20.5	2.0	
E6559750 (9339456)	8.4	1	172	<0.5	0.94	3.3	0.73	<0.5	0.28	0.78	160	1	20.2	1.7	
E6559751 (9339457)	9.8	2	312	0.5	1.00	4.1	0.71	<0.5	0.31	1.05	149	1	22.6	2.0	
E6559752 (9339458)	0.3	<1	51.7	<0.5	<0.05	0.2	0.01	<0.5	<0.05	0.12	<5	<1	2.3	0.2	
E6559753 (9339459)	8.4	2	237	<0.5	0.94	3.3	0.76	<0.5	0.27	0.94	166	<1	19.8	1.7	
E6559754 (9339460)	5.2	1	234	<0.5	0.58	3.5	0.47	<0.5	0.19	1.18	127	<1	13.8	1.2	
E6559755 (9339461)	8.8	1	252	<0.5	0.98	3.4	0.74	<0.5	0.28	0.93	173	<1	20.8	1.9	
E6559756 (9339462)	3.0	<1	321	<0.5	0.61	0.7	0.71	<0.5	0.45	0.23	295	2	23.2	2.8	
E6559757 (9339463)	2.8	<1	177	<0.5	0.59	0.5	0.71	0.6	0.38	0.17	288	1	22.3	2.6	
E6559758 (9339464)	3.0	<1	174	<0.5	0.64	0.5	0.73	0.7	0.42	0.16	292	1	23.8	2.9	
E6559759 (9339465)	2.8	1	202	<0.5	0.60	0.5	0.69	<0.5	0.41	0.14	287	1	22.6	2.6	
E6559760 (9339466)	2.8	<1	211	<0.5	0.61	0.6	0.70	<0.5	0.44	0.16	289	<1	22.9	2.9	
E6559761 (9339467)	2.8	1	227	<0.5	0.61	0.5	0.68	<0.5	0.40	0.22	280	<1	22.4	2.7	
E6559762 (9339468)	3.2	<1	228	<0.5	0.64	0.7	0.70	<0.5	0.44	0.23	276	1	22.4	2.7	
E6559763 (9339469)	2.8	<1	177	<0.5	0.59	0.5	0.69	<0.5	0.40	0.16	281	1	22.5	2.9	
E6559764 (9339470)	2.7	<1	188	<0.5	0.60	0.4	0.66	<0.5	0.39	0.15	274	1	21.4	2.4	
E6559765 (9339471)	2.4	<1	113	<0.5	0.56	0.6	0.68	<0.5	0.37	0.30	274	2	19.7	2.6	
E6559766 (9339472)	5.7	2	28.4	0.8	0.61	11.2	0.25	0.8	0.32	7.02	57	5	17.6	2.1	
E6559767 (9339473)	2.0	2	49.6	<0.5	0.47	0.8	0.83	<0.5	0.36	1.21	320	3	18.2	2.3	
E6559768 (9339474)	2.9	<1	145	<0.5	0.65	0.6	0.79	<0.5	0.47	0.22	313	2	24.5	2.9	
E6559769 (9339475)	2.7	<1	210	<0.5	0.57	0.5	0.73	<0.5	0.36	0.13	300	2	21.1	2.6	
E6559770 (9339476)	2.7	<1	202	<0.5	0.63	0.6	0.72	<0.5	0.37	0.16	296	2	21.8	2.7	
E6559771 (9339477)	4.1	<1	219	<0.5	0.68	1.0	0.72	<0.5	0.38	0.32	261	1	22.2	2.5	
E6559772 (9339478)	0.2	<1	50.8	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.11	5	<1	2.2	0.2	
E6559773 (9339479)	4.5	<1	212	<0.5	0.70	1.3	0.73	<0.5	0.38	0.42	262	2	21.7	2.6	
E6559774 (9339480)	2.8	<1	183	<0.5	0.62	1.4	0.58	<0.5	0.37	0.43	247	1	19.9	2.5	
E6559775 (9339481)	2.8	<1	195	<0.5	0.63	0.6	0.71	<0.5	0.41	0.16	294	1	23.0	2.7	
E6559776 (9339482)	2.8	<1	221	<0.5	0.63	0.5	0.72	<0.5	0.41	0.18	290	1	23.3	2.9	

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AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 18, 2018

DATE REPORTED: Jul 25, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6559777 (9339483)	2.8	<1	180	<0.5	0.60	0.5	0.70	<0.5	0.41	0.16	296	2	23.1	2.8
E6559778 (9339484)	2.7	1	188	<0.5	0.62	0.5	0.72	<0.5	0.42	0.16	295	2	23.3	2.9
E6559779 (9339485)	4.9	2	149	<0.5	0.68	2.1	0.60	<0.5	0.32	0.64	231	4	19.7	2.4
E6559780 (9339486)	5.8	1	264	<0.5	0.67	3.5	0.46	<0.5	0.28	0.84	172	2	17.1	1.9
E6559781 (9339487)	2.9	<1	163	<0.5	0.60	0.6	0.71	<0.5	0.42	0.16	285	1	22.5	2.8
E6559782 (9339488)	2.8	<1	163	<0.5	0.66	0.7	0.71	<0.5	0.45	0.20	281	1	22.6	2.7
E6559783 (9339489)	3.1	<1	185	<0.5	0.48	2.3	0.44	<0.5	0.28	0.66	189	<1	16.4	2.0
E6559784 (9339490)	3.4	2	265	<0.5	0.56	1.3	0.60	<0.5	0.38	0.52	250	1	21.1	2.7
E6559785 (9339491)	3.0	<1	195	<0.5	0.63	0.6	0.79	<0.5	0.46	0.17	315	2	23.9	2.9
E6559786 (9339492)	5.6	2	31.3	0.7	0.64	11.4	0.25	0.7	0.30	7.46	57	4	17.7	2.1
E6559787 (9339493)	2.8	<1	175	<0.5	0.61	0.5	0.74	<0.5	0.40	0.13	302	2	22.2	2.8
E6559788 (9339494)	2.9	<1	175	<0.5	0.61	0.5	0.74	<0.5	0.45	0.20	300	2	23.1	3.0
E6559789 (9339495)	2.7	1	196	<0.5	0.57	0.5	0.71	<0.5	0.43	0.18	298	2	23.1	2.9
E6559790 (9339496)	2.7	<1	136	<0.5	0.60	0.5	0.76	<0.5	0.41	0.13	295	2	21.9	2.6
E6559791 (9339497)	2.9	<1	130	<0.5	0.64	0.5	0.81	<0.5	0.44	0.19	319	3	23.9	2.9
E6559792 (9339498)	0.2	<1	53.5	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.3	0.2
E6559793 (9339499)	2.7	<1	93.6	<0.5	0.63	0.5	0.76	<0.5	0.42	0.25	305	3	23.2	2.9
E6559794 (9339500)	2.9	<1	134	<0.5	0.62	0.5	0.73	<0.5	0.43	0.16	312	4	24.4	3.2
E6559795 (9339501)	3.1	<1	111	<0.5	0.64	0.8	0.62	<0.5	0.41	0.22	262	3	22.9	2.8
E6559796 (9339502)	2.8	4	109	<0.5	0.64	0.5	0.78	<0.5	0.42	0.18	320	3	23.4	2.8
E6559797 (9339503)	2.9	<1	117	<0.5	0.65	0.5	0.75	<0.5	0.48	0.14	322	3	23.9	2.9
E6559798 (9339504)	2.6	<1	114	<0.5	0.63	0.4	0.74	<0.5	0.42	0.15	313	3	22.2	2.8
E6559799 (9339505)	2.7	<1	116	<0.5	0.63	0.4	0.72	<0.5	0.40	0.12	304	2	23.2	2.8
E6559800 (9339506)	2.8	<1	130	<0.5	0.65	0.6	0.77	<0.5	0.42	0.19	322	2	22.5	2.6
E6559801 (9339507)	2.9	<1	152	<0.5	0.62	0.5	0.76	<0.5	0.40	0.24	326	1	22.4	2.7
E6559802 (9339508)	3.0	<1	127	<0.5	0.63	0.5	0.78	<0.5	0.41	0.16	337	2	23.5	2.9
E6559803 (9339509)	2.9	<1	118	<0.5	0.61	0.5	0.73	<0.5	0.39	0.13	308	1	22.2	2.6
E6559804 (9339510)	2.8	<1	147	<0.5	0.61	0.4	0.75	<0.5	0.40	0.12	317	2	22.0	2.7
E6559805 (9339511)	2.9	<1	140	<0.5	0.63	0.5	0.78	<0.5	0.41	0.16	325	3	22.8	2.7
E6559806 (9339512)	5.7	2	29.8	0.7	0.60	11.5	0.25	0.8	0.31	7.43	58	4	17.3	2.1

Certified By:



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AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Jul 25, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6559713 (9339419)		314	75.1
E6559714 (9339420)		119	73.8
E6559715 (9339421)		333	76.6
E6559716 (9339422)		916	70.0
E6559717 (9339423)		263	67.9
E6559718 (9339424)		296	64.7
E6559719 (9339425)		232	77.1
E6559720 (9339426)		169	72.2
E6559721 (9339427)		176	75.5
E6559722 (9339428)		90	65.9
E6559723 (9339429)		113	47.9
E6559724 (9339430)		144	44.9
E6559725 (9339431)		137	42.7
E6559726 (9339432)		<5	183
E6559727 (9339433)		111	40.1
E6559728 (9339434)		113	67.1
E6559729 (9339435)		101	63.0
E6559730 (9339436)		122	44.6
E6559731 (9339437)		110	54.3
E6559732 (9339438)		<5	2.6
E6559733 (9339439)		119	66.2
E6559734 (9339440)		111	84.6
E6559735 (9339441)		105	71.9
E6559736 (9339442)		104	66.5
E6559737 (9339443)		93	71.7
E6559738 (9339444)		95	76.8
E6559739 (9339445)		93	76.3
E6559740 (9339446)		128	62.3
E6559741 (9339447)		242	173
E6559742 (9339448)		123	160
E6559743 (9339449)		112	77.1
E6559744 (9339450)		263	137

Certified By:



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PROJECT: DHH-131B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Jul 25, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6559745 (9339451)		79	76.8
E6559746 (9339452)		<5	176
E6559747 (9339453)		97	76.2
E6559748 (9339454)		113	75.3
E6559749 (9339455)		197	153
E6559750 (9339456)		150	156
E6559751 (9339457)		142	191
E6559752 (9339458)		<5	4.8
E6559753 (9339459)		178	161
E6559754 (9339460)		146	126
E6559755 (9339461)		249	160
E6559756 (9339462)		129	78.9
E6559757 (9339463)		171	72.8
E6559758 (9339464)		202	77.4
E6559759 (9339465)		100	71.4
E6559760 (9339466)		91	75.1
E6559761 (9339467)		90	71.3
E6559762 (9339468)		116	79.5
E6559763 (9339469)		96	71.8
E6559764 (9339470)		87	69.2
E6559765 (9339471)		90	75.6
E6559766 (9339472)		<5	175
E6559767 (9339473)		144	88.4
E6559768 (9339474)		116	94.0
E6559769 (9339475)		103	74.9
E6559770 (9339476)		149	77.0
E6559771 (9339477)		250	96.4
E6559772 (9339478)		<5	3.6
E6559773 (9339479)		235	100
E6559774 (9339480)		99	81.4
E6559775 (9339481)		108	73.3
E6559776 (9339482)		112	75.4

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PROJECT: DHH-131B

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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 18, 2018 DATE REPORTED: Jul 25, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6559777 (9339483)		241	77.0
E6559778 (9339484)		251	74.5
E6559779 (9339485)		3140	98.0
E6559780 (9339486)		218	114
E6559781 (9339487)		115	72.7
E6559782 (9339488)		84	76.3
E6559783 (9339489)		67	91.8
E6559784 (9339490)		5120	82.3
E6559785 (9339491)		132	82.1
E6559786 (9339492)		<5	174
E6559787 (9339493)		94	75.3
E6559788 (9339494)		102	76.5
E6559789 (9339495)		100	72.9
E6559790 (9339496)		87	76.1
E6559791 (9339497)		103	81.8
E6559792 (9339498)		<5	2.3
E6559793 (9339499)		379	76.6
E6559794 (9339500)		85	76.8
E6559795 (9339501)		102	85.1
E6559796 (9339502)		108	80.8
E6559797 (9339503)		83	77.2
E6559798 (9339504)		83	72.0
E6559799 (9339505)		78	69.6
E6559800 (9339506)		75	75.5
E6559801 (9339507)		82	72.5
E6559802 (9339508)		85	76.4
E6559803 (9339509)		81	70.6
E6559804 (9339510)		81	73.0
E6559805 (9339511)		83	78.8
E6559806 (9339512)		5	178

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018	DATE REPORTED: Jul 25, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6559714 (9339420)		85
E6559733 (9339439)		90
E6559753 (9339459)		89
E6559761 (9339467)		82
E6559763 (9339469)		88
E6559773 (9339479)		91
E6559793 (9339499)		88

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 18, 2018	DATE REPORTED: Jul 25, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6559713 (9339419)		94.6
E6559742 (9339448)		94.6
E6559773 (9339479)		92.8
E6559803 (9339509)		93.8

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339419	1	2		9339430	< 1	< 1	0.0%	9339444	< 1	1		9339454	< 1	< 1	0.0%
Al	9339419	7.86	7.81	0.6%	9339430	7.24	7.24	0.0%	9339444	7.89	7.98	1.1%	9339454	8.23	8.26	0.4%
As	9339419	20	20	0.0%	9339430	7	6	15.4%	9339444	5	6	18.2%	9339454	11	11	0.0%
B	9339419	23	26	12.2%	9339430	< 20	< 20	0.0%	9339444	< 20	< 20	0.0%	9339454	< 20	< 20	0.0%
Ba	9339419	290	288	0.7%	9339430	203	198	2.5%	9339444	286	278	2.8%	9339454	377	381	1.1%
Be	9339419	< 5	< 5	0.0%	9339430	< 5	< 5	0.0%	9339444	< 5	< 5	0.0%	9339454	< 5	< 5	0.0%
Bi	9339419	2.40	2.31	3.8%	9339430	0.16	0.12	28.6%	9339444	0.2	0.2	0.0%	9339454	0.3	0.3	0.0%
Ca	9339419	5.46	5.34	2.2%	9339430	5.69	5.63	1.1%	9339444	6.87	6.78	1.3%	9339454	6.46	6.30	2.5%
Cd	9339419	1.09	1.01	7.6%	9339430	< 0.2	< 0.2	0.0%	9339444	< 0.2	< 0.2	0.0%	9339454	< 0.2	< 0.2	0.0%
Ce	9339419	12.3	12.8	4.0%	9339430	7.7	7.7	0.0%	9339444	12.7	12.3	3.2%	9339454	12.5	13.1	4.7%
Co	9339419	34.4	37.8	9.4%	9339430	39.9	39.4	1.3%	9339444	50.7	48.4	4.6%	9339454	50.1	53.0	5.6%
Cr	9339419	0.022	0.022	0.0%	9339430	0.030	0.030	0.0%	9339444	0.0225	0.0225	0.0%	9339454	0.0233	0.0240	3.0%
Cs	9339419	3.3	3.6	8.7%	9339430	1.5	1.5	0.0%	9339444	2.82	2.97	5.2%	9339454	2.2	2.2	0.0%
Cu	9339419	312	312	0.0%	9339430	27	29	7.1%	9339444	117	118	0.9%	9339454	91	96	5.3%
Dy	9339419	3.56	3.65	2.5%	9339430	3.21	3.24	0.9%	9339444	4.40	4.43	0.7%	9339454	4.27	4.45	4.1%
Er	9339419	2.28	2.38	4.3%	9339430	2.03	2.07	2.0%	9339444	2.88	2.92	1.4%	9339454	2.73	2.86	4.7%
Eu	9339419	1.04	1.26	19.1%	9339430	0.961	0.943	1.9%	9339444	1.10	1.00	9.5%	9339454	1.12	1.28	13.3%
Fe	9339419	9.68	9.56	1.2%	9339430	10.1	9.98	1.2%	9339444	9.38	9.29	1.0%	9339454	9.35	9.29	0.6%
Ga	9339419	16.9	18.2	7.4%	9339430	15.0	15.2	1.3%	9339444	17.5	16.6	5.3%	9339454	18.3	19.0	3.8%
Gd	9339419	3.29	3.38	2.7%	9339430	2.63	2.51	4.7%	9339444	3.90	3.46	12.0%	9339454	3.60	3.78	4.9%
Ge	9339419	2	2	0.0%	9339430	2	2	0.0%	9339444	2	2	0.0%	9339454	2	2	0.0%
Hf	9339419	2	2	0.0%	9339430	1	1	0.0%	9339444	2	2	0.0%	9339454	2	2	0.0%
Ho	9339419	0.742	0.762	2.7%	9339430	0.66	0.69	4.4%	9339444	0.893	0.897	0.4%	9339454	0.86	0.97	12.0%
In	9339419	< 0.2	< 0.2	0.0%	9339430	< 0.2	< 0.2	0.0%	9339444	< 0.2	< 0.2	0.0%	9339454	< 0.2	< 0.2	0.0%
K	9339419	1.42	1.40	1.4%	9339430	0.87	0.86	1.2%	9339444	0.927	0.965	4.0%	9339454	0.847	0.844	0.4%
La	9339419	5.0	5.3	5.8%	9339430	3.01	2.93	2.7%	9339444	4.9	4.7	4.2%	9339454	4.81	5.16	7.0%
Li	9339419	34	32	6.1%	9339430	34	35	2.9%	9339444	19	21	10.0%	9339454	18	19	5.4%
Lu	9339419	0.36	0.40	10.5%	9339430	0.324	0.346	6.6%	9339444	0.41	0.41	0.0%	9339454	0.41	0.43	4.8%
Mg	9339419	3.35	3.24	3.3%	9339430	5.60	5.49	2.0%	9339444	4.01	4.05	1.0%	9339454	3.07	3.10	1.0%
Mn	9339419	2070	2030	2.0%	9339430	2230	2170	2.7%	9339444	2080	2100	1.0%	9339454	1810	1820	0.6%
Mo	9339419	39	41	5.0%	9339430	20	20	0.0%	9339444	9	8	11.8%	9339454	7	8	13.3%



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Nb	9339419	3	3	0.0%	9339430	2	2	0.0%	9339444	3	3	0.0%	9339454	3	3	0.0%
Nd	9339419	8.5	9.2	7.9%	9339430	6.02	6.08	1.0%	9339444	9.33	9.03	3.3%	9339454	9.1	9.7	6.4%
Ni	9339419	77	81	5.1%	9339430	145	153	5.4%	9339444	92	94	2.2%	9339454	104	106	1.9%
P	9339419	0.05	0.05	0.0%	9339430	0.031	0.027	13.8%	9339444	0.04	0.04	0.0%	9339454	0.05	0.05	0.0%
Pb	9339419	122	114	6.8%	9339430	17	15	12.5%	9339444	19	19	0.0%	9339454	16	17	6.1%
Pr	9339419	1.72	1.90	9.9%	9339430	1.21	1.19	1.7%	9339444	1.91	1.84	3.7%	9339454	1.89	1.88	0.5%
Rb	9339419	67.7	72.9	7.4%	9339430	37.3	38.3	2.6%	9339444	47.2	48.2	2.1%	9339454	36.3	37.7	3.8%
S	9339419	0.37	0.37	0.0%	9339430	0.02	0.02	0.0%	9339444	0.12	0.12	0.0%	9339454	0.225	0.233	3.5%
Sb	9339419	1.1	1.1	0.0%	9339430	0.4	0.4	0.0%	9339444	0.4	0.4	0.0%	9339454	0.6	0.6	0.0%
Sc	9339419	34	34	0.0%	9339430	42	41	2.4%	9339444	41	41	0.0%	9339454	43	43	0.0%
Si	9339419	21.6	21.4	0.9%	9339430	21.2	20.9	1.4%	9339444	22.0	22.0	0.0%	9339454	22.2	22.0	0.9%
Sm	9339419	2.3	2.7	16.0%	9339430	2.0	2.0	0.0%	9339444	2.78	2.72	2.2%	9339454	2.74	2.83	3.2%
Sn	9339419	< 1	< 1	0.0%	9339430	< 1	< 1	0.0%	9339444	< 1	< 1	0.0%	9339454	1	1	0.0%
Sr	9339419	149	150	0.7%	9339430	97.5	94.2	3.4%	9339444	148	147	0.7%	9339454	225	227	0.9%
Ta	9339419	< 0.5	< 0.5	0.0%	9339430	< 0.5	< 0.5	0.0%	9339444	< 0.5	< 0.5	0.0%	9339454	< 0.5	< 0.5	0.0%
Tb	9339419	0.503	0.553	9.5%	9339430	0.44	0.48	8.7%	9339444	0.657	0.621	5.6%	9339454	0.584	0.635	8.4%
Th	9339419	0.51	0.56	9.3%	9339430	0.2	0.2	0.0%	9339444	0.5	0.5	0.0%	9339454	0.5	0.5	0.0%
Ti	9339419	0.71	0.71	0.0%	9339430	0.497	0.495	0.4%	9339444	0.712	0.717	0.7%	9339454	0.74	0.74	0.0%
Tl	9339419	0.44	0.50	12.8%	9339430	< 0.5	< 0.5	0.0%	9339444	< 0.5	< 0.5	0.0%	9339454	< 0.5	< 0.5	0.0%
Tm	9339419	0.358	0.365	1.9%	9339430	0.316	0.325	2.8%	9339444	0.401	0.410	2.2%	9339454	0.39	0.42	7.4%
U	9339419	0.165	0.202	20.2%	9339430	0.09	0.07	25.0%	9339444	0.165	0.131	23.0%	9339454	0.17	0.18	5.7%
V	9339419	275	270	1.8%	9339430	257	250	2.8%	9339444	289	294	1.7%	9339454	305	306	0.3%
W	9339419	4	4	0.0%	9339430	2	2	0.0%	9339444	2	2	0.0%	9339454	2	2	0.0%
Y	9339419	19.2	20.6	7.0%	9339430	16.8	17.2	2.4%	9339444	23.6	23.4	0.9%	9339454	23.2	24.4	5.0%
Yb	9339419	2.43	2.56	5.2%	9339430	2.0	2.1	4.9%	9339444	2.9	2.7	7.1%	9339454	2.9	3.0	3.4%
Zn	9339419	314	299	4.9%	9339430	144	139	3.5%	9339444	95	93	2.1%	9339454	113	107	5.5%
Zr	9339419	75.1	80.6	7.1%	9339430	44.9	46.5	3.5%	9339444	76.8	74.4	3.2%	9339454	75.3	78.6	4.3%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339466	< 1	< 1	0.0%	9339469	< 1	< 1	0.0%	9339478	< 1	< 1	0.0%	9339490	1	2	
Al	9339466	7.84	7.98	1.8%	9339469	7.72	7.73	0.1%	9339478	0.16	0.16	0.0%	9339490	7.67	7.67	0.0%
As	9339466	< 5	< 5	0.0%	9339469	5	5	0.0%	9339478	< 5	< 5	0.0%	9339490	< 5	< 5	0.0%
B	9339466	22	21	4.7%	9339469	33	32	3.1%	9339478	< 20	< 20	0.0%	9339490	26	22	16.7%
Ba	9339466	314	319	1.6%	9339469	315	310	1.6%	9339478	19.1	17.8	7.0%	9339490	237	242	2.1%



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Be	9339466	< 5	< 5	0.0%	9339469	< 5	< 5	0.0%	9339478	< 5	< 5	0.0%	9339490	< 5	< 5	0.0%
Bi	9339466	0.1	< 0.1		9339469	0.22	0.26	16.7%	9339478	< 0.1	< 0.1	0.0%	9339490	0.4	0.4	0.0%
Ca	9339466	6.29	6.32	0.5%	9339469	5.79	5.89	1.7%	9339478	33.3	34.0	2.1%	9339490	6.07	6.01	1.0%
Cd	9339466	< 0.2	< 0.2	0.0%	9339469	< 0.2	< 0.2	0.0%	9339478	< 0.2	< 0.2	0.0%	9339490	18.5	18.2	1.6%
Ce	9339466	12.9	12.7	1.6%	9339469	13.7	14.5	5.7%	9339478	1.24	1.27	2.4%	9339490	29.4	29.6	0.7%
Co	9339466	50.7	50.8	0.2%	9339469	43.2	43.7	1.2%	9339478	1.9	1.7	11.1%	9339490	32.5	32.2	0.9%
Cr	9339466	0.022	0.022	0.0%	9339469	0.021	0.021	0.0%	9339478	< 0.005	< 0.005	0.0%	9339490	0.016	0.016	0.0%
Cs	9339466	2.18	2.12	2.8%	9339469	1.6	1.6	0.0%	9339478	< 0.1	< 0.1	0.0%	9339490	0.36	0.34	5.7%
Cu	9339466	99	103	4.0%	9339469	85	86	1.2%	9339478	9	8	11.8%	9339490	220	222	0.9%
Dy	9339466	4.48	4.29	4.3%	9339469	4.28	4.21	1.6%	9339478	0.26	0.29	10.9%	9339490	3.93	3.85	2.1%
Er	9339466	2.77	2.72	1.8%	9339469	2.65	2.80	5.5%	9339478	0.15	0.17	12.5%	9339490	2.38	2.38	0.0%
Eu	9339466	1.07	1.06	0.9%	9339469	1.14	1.17	2.6%	9339478	0.094	0.075	22.5%	9339490	1.68	1.61	4.3%
Fe	9339466	9.78	9.85	0.7%	9339469	9.72	9.94	2.2%	9339478	0.25	0.25	0.0%	9339490	11.0	11.0	0.0%
Ga	9339466	17.4	17.6	1.1%	9339469	16.1	16.2	0.6%	9339478	0.409	0.371	9.7%	9339490	19.1	19.6	2.6%
Gd	9339466	3.72	3.56	4.4%	9339469	3.55	3.73	4.9%	9339478	0.24	0.25	4.1%	9339490	3.87	3.88	0.3%
Ge	9339466	2	2	0.0%	9339469	2	2	0.0%	9339478	1	1	0.0%	9339490	2	2	0.0%
Hf	9339466	2	2	0.0%	9339469	2	2	0.0%	9339478	< 1	< 1	0.0%	9339490	2	2	0.0%
Ho	9339466	0.927	0.924	0.3%	9339469	0.894	0.906	1.3%	9339478	0.06	0.06	0.0%	9339490	0.765	0.843	9.7%
In	9339466	< 0.2	< 0.2	0.0%	9339469	< 0.2	< 0.2	0.0%	9339478	< 0.2	< 0.2	0.0%	9339490	0.3	0.3	0.0%
K	9339466	0.72	0.75	4.1%	9339469	0.72	0.72	0.0%	9339478	< 0.05	< 0.05	0.0%	9339490	0.363	0.353	2.8%
La	9339466	5.1	5.1	0.0%	9339469	5.60	5.87	4.7%	9339478	1.3	1.3	0.0%	9339490	15.1	15.6	3.3%
Li	9339466	24	26	8.0%	9339469	25	25	0.0%	9339478	< 10	< 10	0.0%	9339490	20	20	0.0%
Lu	9339466	0.43	0.43	0.0%	9339469	0.436	0.410	6.1%	9339478	< 0.05	< 0.05	0.0%	9339490	0.346	0.329	5.0%
Mg	9339466	4.13	4.28	3.6%	9339469	4.20	4.21	0.2%	9339478	2.41	2.33	3.4%	9339490	3.96	4.00	1.0%
Mn	9339466	1620	1640	1.2%	9339469	1700	1720	1.2%	9339478	95	89	6.5%	9339490	2060	2060	0.0%
Mo	9339466	6	6	0.0%	9339469	6	6	0.0%	9339478	< 2	< 2	0.0%	9339490	7	7	0.0%
Nb	9339466	3	3	0.0%	9339469	3	3	0.0%	9339478	< 1	< 1	0.0%	9339490	3	3	0.0%
Nd	9339466	9.51	9.43	0.8%	9339469	9.22	10.1	9.1%	9339478	1.0	1.0	0.0%	9339490	14.7	14.8	0.7%
Ni	9339466	98	97	1.0%	9339469	96	96	0.0%	9339478	6	6	0.0%	9339490	58	59	1.7%
P	9339466	0.05	0.05	0.0%	9339469	0.056	0.043	26.3%	9339478	0.01	0.01	0.0%	9339490	0.08	0.08	0.0%
Pb	9339466	7	6	15.4%	9339469	6	6	0.0%	9339478	< 5	< 5	0.0%	9339490	273	280	2.5%
Pr	9339466	1.94	1.90	2.1%	9339469	2.06	2.04	1.0%	9339478	0.233	0.241	3.4%	9339490	3.52	3.57	1.4%
Rb	9339466	30.8	30.5	1.0%	9339469	29.5	29.7	0.7%	9339478	0.68	0.65	4.5%	9339490	7.4	7.5	1.3%
S	9339466	0.161	0.167	3.7%	9339469	0.172	0.175	1.7%	9339478	< 0.01	< 0.01	0.0%	9339490	0.341	0.345	1.2%



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Sb	9339466	0.47	0.45	4.3%	9339469	0.5	0.6	18.2%	9339478	< 0.1	< 0.1	0.0%	9339490	5.0	4.8	4.1%
Sc	9339466	40	41	2.5%	9339469	39	39	0.0%	9339478	< 5	< 5	0.0%	9339490	35	35	0.0%
Si	9339466	22.1	22.6	2.2%	9339469	22.1	22.2	0.5%	9339478	5.89	5.93	0.7%	9339490	21.2	21.1	0.5%
Sm	9339466	2.79	2.96	5.9%	9339469	2.8	3.0	6.9%	9339478	0.2	0.2	0.0%	9339490	3.36	3.55	5.5%
Sn	9339466	< 1	1		9339469	< 1	< 1	0.0%	9339478	< 1	< 1	0.0%	9339490	2	2	0.0%
Sr	9339466	211	216	2.3%	9339469	177	180	1.7%	9339478	50.8	49.6	2.4%	9339490	265	266	0.4%
Ta	9339466	< 0.5	< 0.5	0.0%	9339469	< 0.5	< 0.5	0.0%	9339478	< 0.5	< 0.5	0.0%	9339490	< 0.5	< 0.5	0.0%
Tb	9339466	0.61	0.61	0.0%	9339469	0.59	0.61	3.3%	9339478	< 0.05	< 0.05	0.0%	9339490	0.564	0.608	7.5%
Th	9339466	0.56	0.55	1.8%	9339469	0.5	0.5	0.0%	9339478	0.1	< 0.1		9339490	1.3	1.3	0.0%
Ti	9339466	0.704	0.715	1.6%	9339469	0.691	0.696	0.7%	9339478	0.01	0.01	0.0%	9339490	0.60	0.60	0.0%
Tl	9339466	< 0.5	< 0.5	0.0%	9339469	< 0.5	< 0.5	0.0%	9339478	< 0.5	< 0.5	0.0%	9339490	< 0.5	< 0.5	0.0%
Tm	9339466	0.435	0.420	3.5%	9339469	0.404	0.407	0.7%	9339478	< 0.05	< 0.05	0.0%	9339490	0.382	0.364	4.8%
U	9339466	0.16	0.16	0.0%	9339469	0.164	0.183	11.0%	9339478	0.112	0.141	22.9%	9339490	0.52	0.52	0.0%
V	9339466	289	293	1.4%	9339469	281	285	1.4%	9339478	5	5	0.0%	9339490	250	253	1.2%
W	9339466	< 1	< 1	0.0%	9339469	1	1	0.0%	9339478	< 1	< 1	0.0%	9339490	1	1	0.0%
Y	9339466	22.9	23.2	1.3%	9339469	22.5	22.6	0.4%	9339478	2.22	2.26	1.8%	9339490	21.1	21.3	0.9%
Yb	9339466	2.89	2.61	10.2%	9339469	2.9	3.0	3.4%	9339478	0.2	0.1		9339490	2.7	2.7	0.0%
Zn	9339466	91	91	0.0%	9339469	96	99	3.1%	9339478	< 5	< 5	0.0%	9339490	5120	5150	0.6%
Zr	9339466	75.1	76.3	1.6%	9339469	71.8	73.6	2.5%	9339478	3.6	3.4	5.7%	9339490	82.3	83.7	1.7%

Parameter	REPLICATE #9				REPLICATE #10											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9339494	3	< 1		9339502	< 1	< 1	0.0%								
Al	9339494	8.40	8.13	3.3%	9339502	9.00	9.03	0.3%								
As	9339494	< 5	< 5	0.0%	9339502	< 5	< 5	0.0%								
B	9339494	46	40	14.0%	9339502	< 20	< 20	0.0%								
Ba	9339494	378	375	0.8%	9339502	185	185	0.0%								
Be	9339494	< 5	< 5	0.0%	9339502	< 5	< 5	0.0%								
Bi	9339494	0.2	0.2	0.0%	9339502	< 0.1	0.1									
Ca	9339494	6.34	6.19	2.4%	9339502	6.94	7.05	1.6%								
Cd	9339494	< 0.2	< 0.2	0.0%	9339502	0.2	0.2	0.0%								
Ce	9339494	13.5	13.1	3.0%	9339502	13.2	13.7	3.7%								
Co	9339494	46.8	47.3	1.1%	9339502	60.3	60.9	1.0%								
Cr	9339494	0.0225	0.0227	0.9%	9339502	0.026	0.026	0.0%								
Cs	9339494	1.54	1.61	4.4%	9339502	4.7	4.8	2.1%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Cu	9339494	64	62	3.2%	9339502	127	128	0.8%										
Dy	9339494	4.27	4.22	1.2%	9339502	4.37	4.43	1.4%										
Er	9339494	2.64	2.67	1.1%	9339502	2.93	3.07	4.7%										
Eu	9339494	1.17	1.14	2.6%	9339502	0.95	0.97	2.1%										
Fe	9339494	9.64	9.36	2.9%	9339502	9.79	10.1	3.1%										
Ga	9339494	18.4	17.9	2.8%	9339502	18.4	19.2	4.3%										
Gd	9339494	3.65	3.71	1.6%	9339502	3.67	3.97	7.9%										
Ge	9339494	2	2	0.0%	9339502	2	1											
Hf	9339494	2	2	0.0%	9339502	2	2	0.0%										
Ho	9339494	0.91	0.91	0.0%	9339502	0.928	0.957	3.1%										
In	9339494	< 0.2	< 0.2	0.0%	9339502	< 0.2	< 0.2	0.0%										
K	9339494	1.19	1.17	1.7%	9339502	1.15	1.15	0.0%										
La	9339494	5.62	5.44	3.3%	9339502	5.2	5.5	5.6%										
Li	9339494	23	24	4.3%	9339502	19	19	0.0%										
Lu	9339494	0.45	0.43	4.5%	9339502	0.428	0.455	6.1%										
Mg	9339494	4.29	4.32	0.7%	9339502	2.43	2.41	0.8%										
Mn	9339494	2110	2130	0.9%	9339502	2150	2180	1.4%										
Mo	9339494	4	5	22.2%	9339502	7	8	13.3%										
Nb	9339494	3	3	0.0%	9339502	3	3	0.0%										
Nd	9339494	9.68	9.50	1.9%	9339502	9.44	9.98	5.6%										
Ni	9339494	95	95	0.0%	9339502	86	81	6.0%										
P	9339494	0.05	0.05	0.0%	9339502	0.044	0.049	10.8%										
Pb	9339494	46	42	9.1%	9339502	41	41	0.0%										
Pr	9339494	1.97	1.88	4.7%	9339502	1.92	2.04	6.1%										
Rb	9339494	52.3	52.6	0.6%	9339502	59.1	58.8	0.5%										
S	9339494	0.148	0.139	6.3%	9339502	0.289	0.283	2.1%										
Sb	9339494	0.58	0.50	14.8%	9339502	0.26	0.23	12.2%										
Sc	9339494	42	42	0.0%	9339502	46	46	0.0%										
Si	9339494	22.4	21.9	2.3%	9339502	22.8	22.8	0.0%										
Sm	9339494	2.91	2.84	2.4%	9339502	2.8	3.0	6.9%										
Sn	9339494	< 1	1		9339502	4	< 1											
Sr	9339494	175	173	1.1%	9339502	109	110	0.9%										
Ta	9339494	< 0.5	< 0.5	0.0%	9339502	< 0.5	< 0.5	0.0%										
Tb	9339494	0.614	0.643	4.6%	9339502	0.64	0.66	3.1%										



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Th	9339494	0.5	0.5	0.0%	9339502	0.55	0.58	5.3%								
Ti	9339494	0.740	0.721	2.6%	9339502	0.78	0.78	0.0%								
Tl	9339494	< 0.5	< 0.5	0.0%	9339502	< 0.5	< 0.5	0.0%								
Tm	9339494	0.445	0.413	7.5%	9339502	0.42	0.44	4.7%								
U	9339494	0.204	0.211	3.4%	9339502	0.179	0.170	5.2%								
V	9339494	300	302	0.7%	9339502	320	327	2.2%								
W	9339494	2	1		9339502	3	3	0.0%								
Y	9339494	23.1	22.9	0.9%	9339502	23.4	24.1	2.9%								
Yb	9339494	2.95	2.88	2.4%	9339502	2.8	2.9	3.5%								
Zn	9339494	102	101	1.0%	9339502	108	105	2.8%								
Zr	9339494	76.5	75.9	0.8%	9339502	80.8	80.1	0.9%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	7.21	112%	90% - 110%								
Al	10.95	11.03	101%	90% - 110%	4.30	4.46	104%	90% - 110%	10.95	11.25	103%	90% - 110%	4.30	4.41	102%	90% - 110%
As													2.49	2.89	116%	90% - 110%
Ba	340	333	98%	90% - 110%					340	343	101%	90% - 110%				
Be	2.6	2.9	110%	90% - 110%					2.6	3	115%	90% - 110%				
Ca	5.72	6.06	106%	90% - 110%	2.21	2.37	107%	90% - 110%	5.72	5.89	103%	90% - 110%	2.21	2.39	108%	90% - 110%
Ce	122	120	98%	90% - 110%					122	130	107%	90% - 110%				
Co	2.8	2.7	96%	90% - 110%	672	640	95%	90% - 110%	2.8	2.6	91%	90% - 110%	672	641	95%	90% - 110%
Cr					0.032	0.033	104%	90% - 110%					0.032	0.033	104%	90% - 110%
Cs	1.5	1.5	102%	90% - 110%					1.5	1.5	99%	90% - 110%				
Cu	7	7	99%	90% - 110%	11850	11505	97%	90% - 110%					11850	11250	95%	90% - 110%
Dy	18.2	18.9	104%	90% - 110%					18.2	19.5	107%	90% - 110%				
Er	14.2	14.6	103%	90% - 110%					14.2	14.8	104%	90% - 110%				
Eu	2.0	2.1	105%	90% - 110%					2.0	2.2	110%	90% - 110%				
Fe	4.34	4.43	102%	90% - 110%	25.54	25.57	100%	90% - 110%	4.34	4.46	103%	90% - 110%	25.54	25.56	100%	90% - 110%
Ga	35	36	103%	90% - 110%					35	36	102%	90% - 110%				
Gd	14	15	107%	90% - 110%					14	14.7	105%	90% - 110%				
Hf	10.6	11.6	110%	90% - 110%					10.6	10.9	103%	90% - 110%				
Ho	4.3	4.4	103%	90% - 110%					4.3	4.5	104%	90% - 110%				
K	1.37	1.42	104%	90% - 110%					1.37	1.46	107%	90% - 110%				
La	58	57	98%	90% - 110%					58	61	106%	90% - 110%				
Li	37	36.0	97%	90% - 110%					37	36.4	98%	90% - 110%				
Lu	2.1	2.3	108%	90% - 110%					2.1	2.2	103%	90% - 110%				
Mg	0.325	0.323	100%	90% - 110%	1.79	1.8	100%	90% - 110%	0.325	0.332	102%	90% - 110%	1.79	1.84	103%	90% - 110%
Mn	836	805	96%	90% - 110%	703	691	98%	90% - 110%	836	831	99%	90% - 110%	703	692	98%	90% - 110%
Nb	13	13	101%	90% - 110%					13	13	101%	90% - 110%				
Nd	57	59	103%	90% - 110%					57	61	107%	90% - 110%				
Ni	9	8	94%	90% - 110%	19530	18030	92%	90% - 110%	9	7	77%	90% - 110%	19530	18065	92%	90% - 110%
Pb	10	10	103%	90% - 110%	58	57	98%	90% - 110%	10	11	105%	90% - 110%	58	64	110%	90% - 110%
Pr	15.0	14.8	98%	90% - 110%					15.0	15.9	106%	90% - 110%				
Rb	55	56	102%	90% - 110%					55	55	101%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

S					14.14	13.56	96%	90% - 110%					14.14	13.58	96%	90% - 110%
Si	23.3	21.7	93%	90% - 110%	15.23	14.13	93%	90% - 110%	23.3	21.8	93%	90% - 110%	15.23	14.27	94%	90% - 110%
Sm	12.7	12.9	102%	90% - 110%					12.7	13.5	106%	90% - 110%				
Sn	7.1	7.8	110%	90% - 110%					7.1	7.8	110%	90% - 110%				
Sr	1191	1150	96%	90% - 110%					1191	1180	99%	90% - 110%				
Ta	0.9	0.9	98%	90% - 110%					0.9	0.8	90%	90% - 110%				
Tb	2.6	2.7	103%	90% - 110%					2.6	2.8	108%	90% - 110%				
Th	1.4	1.2	87%	90% - 110%					1.4	1.4	104%	90% - 110%				
Ti	0.172	0.173	101%	90% - 110%					0.172	0.174	101%	90% - 110%				
Tm	2.3	2.4	104%	90% - 110%					2.3	2.5	110%	90% - 110%				
U	0.8	0.7	93%	90% - 110%					0.8	0.9	112%	90% - 110%				
V	8	6	71%	90% - 110%					8	6	78%	90% - 110%				
Y	119	115	96%	90% - 110%					119	116	98%	90% - 110%				
Yb	14.8	16.3	110%	90% - 110%					14.8	16.1	109%	90% - 110%				
Zn	93	89.6	96%	90% - 110%	235	247	105%	90% - 110%	93	90.8	97%	90% - 110%	235	257	109%	90% - 110%
Zr	517	566	109%	90% - 110%					517	565	109%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	10.95	11.57	106%	90% - 110%	4.30	4.39	102%	90% - 110%								
Ba	340	350	103%	90% - 110%												
Be	2.6	3.1	119%	90% - 110%												
Ca	5.72	5.79	101%	90% - 110%	2.21	2.22	100%	90% - 110%								
Ce	122	128	105%	90% - 110%												
Co	2.8	2.5	90%	90% - 110%	672	648	96%	90% - 110%								
Cr					0.032	0.033	105%	90% - 110%								
Cs	1.5	1.5	98%	90% - 110%												
Cu	7	5	72%	90% - 110%	11850	11370	96%	90% - 110%								
Dy	18.2	19.1	105%	90% - 110%												
Er	14.2	15.2	107%	90% - 110%												
Eu	2.0	2.1	107%	90% - 110%												
Fe	4.34	4.53	104%	90% - 110%	25.54	24.49	96%	90% - 110%								
Ga	35	35	100%	90% - 110%												
Gd	14	15	111%	90% - 110%												
Hf	10.6	11.3	107%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Ho	4.3	4.5	104%	90% - 110%																
K	1.37	1.47	107%	90% - 110%																
La	58	60	104%	90% - 110%																
Li	37	37.6	102%	90% - 110%																
Lu	2.1	2.3	109%	90% - 110%																
Mg	0.325	0.342	105%	90% - 110%	1.79	1.88	105%	90% - 110%												
Mn	836	849	102%	90% - 110%	703	693	99%	90% - 110%												
Nb	13	13	100%	90% - 110%																
Nd	57	60	106%	90% - 110%																
Ni	9	8	93%	90% - 110%	19530	17936	92%	90% - 110%												
Pb	10	10	100%	90% - 110%	58	62	106%	90% - 110%												
Pr	15.0	15.5	104%	90% - 110%																
Rb	55	56	102%	90% - 110%																
S					14.14	13.57	96%	90% - 110%												
Si	23.3	22.3	96%	90% - 110%	15.23	14.21	93%	90% - 110%												
Sm	12.7	13.2	104%	90% - 110%																
Sn	7.1	7.7	108%	90% - 110%																
Sr	1191	1220	102%	90% - 110%																
Ta	0.9	0.8	87%	90% - 110%																
Tb	2.6	2.8	106%	90% - 110%																
Th	1.4	1.2	86%	90% - 110%																
Ti	0.172	0.178	104%	90% - 110%																
Tm	2.3	2.4	103%	90% - 110%																
U	0.8	0.8	106%	90% - 110%																
V	8	6	74%	90% - 110%																
Y	119	115	97%	90% - 110%																
Yb	14.8	15.9	107%	90% - 110%																
Zn					235	252	107%	90% - 110%												
Zr	517	568	109%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DHH-131B
 SAMPLING SITE:

AGAT WORK ORDER: 18T351996
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS

Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T351996

PROJECT: DHH-131B

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-132A

AGAT WORK ORDER: 18T344089

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 10, 2018

PAGES (INCLUDING COVER): 31

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 28, 2018 DATE RECEIVED: May 29, 2018 DATE REPORTED: Jul 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561197 (9278637)		2.62
E6561198 (9278638)		2.62
E6561199 (9278639)		3.30
E6561200 (9278640)		2.89
E6562601 (9278641)		2.98
E6562602 (9278642)		3.04
E6562603 (9278643)		2.60
E6562604 (9278644)		3.26
E6562605 (9278645)		2.49
E6562606 (9278646)		0.01
E6562607 (9278647)		2.79
E6562608 (9278648)		2.67
E6562609 (9278649)		2.60
E6562610 (9278650)		2.58
E6562611 (9278651)		2.94
E6562612 (9278652)		1.47
E6562613 (9278653)		2.95
E6562614 (9278654)		2.78
E6562615 (9278655)		3.61
E6562616 (9278656)		2.87
E6562617 (9278657)		3.10
E6562618 (9278658)		3.10
E6562619 (9278659)		2.21
E6562620 (9278660)		2.91
E6562621 (9278661)		2.96
E6562622 (9278662)		2.78
E6562623 (9278663)		2.95
E6562624 (9278664)		2.56
E6562625 (9278665)		2.63
E6562626 (9278666)		0.01
E6562627 (9278667)		2.78

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 28, 2018 DATE RECEIVED: May 29, 2018 DATE REPORTED: Jul 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6562628 (9278668)		3.20
E6562629 (9278669)		3.22
E6562630 (9278670)		3.09
E6562631 (9278671)		3.07
E6562632 (9278672)		1.23
E6562633 (9278673)		2.74
E6562634 (9278674)		3.03
E6562635 (9278675)		2.85
E6562636 (9278676)		3.26
E6562637 (9278677)		3.28
E6562638 (9278678)		3.28
E6562639 (9278679)		3.12
E6562640 (9278680)		2.94
E6562641 (9278681)		3.32
E6562642 (9278682)		3.01
E6562643 (9278683)		3.64
E6562644 (9278684)		3.18
E6562645 (9278685)		2.70
E6562646 (9278686)		0.01
E6562647 (9278687)		2.48
E6562648 (9278688)		2.23
E6562649 (9278689)		2.51
E6562650 (9278690)		3.31
E6562651 (9278691)		2.84
E6562652 (9278692)		1.60
E6562653 (9278693)		2.80
E6562654 (9278694)		2.82
E6562655 (9278695)		3.24
E6562656 (9278696)		2.92
E6562657 (9278697)		3.39
E6562658 (9278698)		3.39

Certified By:





Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6562659 (9278699)		2.92
E6562660 (9278700)		3.09
E6562661 (9278701)		3.05
E6562662 (9278702)		2.61
E6562663 (9278703)		2.55
E6562664 (9278704)		2.89
E6562665 (9278705)		3.38
E6562666 (9278706)		0.01
E6562667 (9278707)		2.83
E6562668 (9278708)		2.14
E6562669 (9278709)		2.73
E6562670 (9278710)		3.08
E6562671 (9278711)		2.42
E6562672 (9278712)		1.56
E6562673 (9278713)		3.21
E6562674 (9278714)		3.09
E6562675 (9278715)		3.00
E6562676 (9278716)		3.34
E6562677 (9278717)		3.20
E6562678 (9278718)		3.20
E6562679 (9278719)		1.27
E6562680 (9278720)		1.92
E6562681 (9278721)		1.56
E6562682 (9278722)		3.08
E6562683 (9278723)		3.36
E6562684 (9278724)		3.58

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6561197 (9278637)		1	7.73	25	<20	156	<5	1.8	7.81	0.7	14.4	61.3	0.027	0.6	503
E6561198 (9278638)		<1	7.52	25	<20	155	<5	1.8	7.38	0.7	14.2	63.8	0.027	0.6	508
E6561199 (9278639)		<1	7.68	24	28	156	<5	1.2	6.58	1.2	11.2	71.8	0.028	0.9	404
E6561200 (9278640)		<1	7.78	23	27	165	<5	1.5	7.92	0.3	13.5	78.8	0.027	0.9	366
E6562601 (9278641)		<1	7.13	7	<20	141	<5	0.5	7.32	0.2	10.8	56.6	0.027	1.1	217
E6562602 (9278642)		2	7.82	6	<20	103	<5	0.4	6.44	<0.2	14.2	58.5	0.020	1.3	221
E6562603 (9278643)		<1	7.57	<5	<20	140	<5	0.4	7.82	<0.2	16.4	51.3	0.012	0.6	138
E6562604 (9278644)		<1	7.64	<5	<20	119	<5	0.5	6.53	<0.2	16.8	49.4	0.010	1.3	155
E6562605 (9278645)		5	7.26	5	<20	95.2	<5	0.2	6.11	<0.2	15.1	47.6	0.009	0.8	105
E6562606 (9278646)		1	4.68	566	110	180	<5	8.1	4.27	<0.2	72.2	1050	0.006	2.7	3090
E6562607 (9278647)		1	7.08	32	<20	53.4	<5	1.5	4.94	0.3	16.1	51.5	0.008	0.8	473
E6562608 (9278648)		<1	7.56	10	<20	101	<5	0.4	6.87	<0.2	16.8	45.1	0.010	1.3	96
E6562609 (9278649)		<1	7.69	15	<20	98.3	<5	0.5	5.98	0.4	16.9	47.7	0.009	0.9	115
E6562610 (9278650)		<1	7.19	30	<20	66.8	<5	0.7	6.72	<0.2	22.6	39.8	0.010	0.7	126
E6562611 (9278651)		<1	7.51	21	<20	97.0	<5	0.6	5.66	<0.2	16.4	43.9	0.009	0.7	171
E6562612 (9278652)		<1	0.07	<5	<20	15.2	<5	<0.1	36.2	<0.2	1.0	1.2	<0.005	<0.1	6
E6562613 (9278653)		<1	7.37	20	<20	92.5	<5	0.8	5.68	0.3	15.9	48.5	0.009	1.0	124
E6562614 (9278654)		5	7.41	19	<20	91.2	<5	0.3	5.40	<0.2	15.6	47.5	0.008	1.0	112
E6562615 (9278655)		<1	7.62	21	<20	87.4	<5	0.2	5.65	<0.2	15.5	51.0	0.010	1.8	112
E6562616 (9278656)		<1	7.54	13	<20	114	<5	0.3	6.31	<0.2	16.4	51.8	0.009	1.3	107
E6562617 (9278657)		<1	7.35	23	<20	96.7	<5	0.7	8.34	<0.2	15.7	45.8	0.011	0.7	145
E6562618 (9278658)		<1	7.39	25	<20	100	<5	0.7	8.36	<0.2	14.9	43.7	0.011	0.6	151
E6562619 (9278659)		<1	6.89	23	<20	96.7	<5	1.0	6.79	0.2	16.7	44.7	0.011	0.7	156
E6562620 (9278660)		<1	7.36	46	<20	85.1	<5	1.0	5.61	<0.2	20.1	47.8	0.009	0.9	269
E6562621 (9278661)		<1	7.33	17	<20	67.3	<5	0.4	5.72	<0.2	15.4	49.6	0.009	1.0	122
E6562622 (9278662)		<1	7.15	13	<20	64.0	<5	0.2	5.70	<0.2	15.2	51.2	0.009	0.9	135
E6562623 (9278663)		<1	7.24	18	<20	77.7	<5	0.2	5.56	<0.2	15.1	49.9	0.009	1.1	101
E6562624 (9278664)		1	7.30	32	<20	123	<5	0.5	5.67	<0.2	18.4	47.9	0.009	1.1	77
E6562625 (9278665)		1	7.36	54	153	183	<5	2.3	7.42	<0.2	22.6	62.3	0.009	0.6	150
E6562626 (9278666)		<1	4.70	561	105	171	<5	8.2	4.32	<0.2	71.1	1020	0.006	2.6	2980
E6562627 (9278667)		<1	6.98	22	<20	118	<5	0.6	7.69	<0.2	14.0	54.7	0.012	0.7	104
E6562628 (9278668)		<1	6.77	12	21	116	<5	0.3	7.58	<0.2	15.5	59.1	0.010	1.3	173

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6562629 (9278669)		<1	7.47	<5	<20	115	<5	0.2	7.17	<0.2	13.6	57.1	0.011	0.9	126
E6562630 (9278670)		<1	7.03	<5	23	171	<5	0.2	7.63	<0.2	13.7	54.1	0.009	2.0	188
E6562631 (9278671)		<1	7.56	<5	22	138	<5	0.2	8.01	<0.2	14.1	62.0	0.013	1.3	212
E6562632 (9278672)		<1	0.09	<5	22	14.0	<5	<0.1	34.3	<0.2	1.0	1.4	<0.005	<0.1	6
E6562633 (9278673)		<1	7.42	<5	22	180	<5	0.1	7.59	<0.2	14.0	56.3	0.012	1.5	92
E6562634 (9278674)		<1	7.06	<5	<20	134	<5	0.1	8.50	<0.2	14.7	60.3	0.012	1.2	219
E6562635 (9278675)		<1	6.84	<5	47	154	<5	0.3	7.42	1.1	12.9	52.5	0.009	2.2	157
E6562636 (9278676)		<1	6.67	<5	20	132	<5	0.1	7.73	<0.2	14.3	53.7	0.010	2.0	176
E6562637 (9278677)		<1	6.76	<5	20	134	<5	0.2	7.27	<0.2	14.4	53.4	0.010	2.4	210
E6562638 (9278678)		<1	6.63	<5	<20	136	<5	0.1	6.97	<0.2	14.3	54.3	0.011	2.3	199
E6562639 (9278679)		<1	6.49	<5	22	140	<5	0.2	7.31	<0.2	13.6	51.6	0.008	2.6	223
E6562640 (9278680)		<1	6.50	<5	<20	155	<5	0.2	8.03	<0.2	14.0	51.4	0.009	2.0	196
E6562641 (9278681)		<1	6.51	<5	32	148	<5	0.5	7.18	<0.2	14.0	61.4	0.009	2.1	354
E6562642 (9278682)		<1	6.84	<5	23	133	<5	0.3	7.51	<0.2	14.7	58.2	0.010	3.3	374
E6562643 (9278683)		<1	7.20	<5	<20	122	<5	0.2	8.39	<0.2	13.9	55.3	0.012	3.0	161
E6562644 (9278684)		<1	6.09	9	<20	260	<5	0.3	6.64	0.2	25.4	53.3	0.070	2.3	116
E6562645 (9278685)		<1	5.72	6	<20	231	<5	<0.1	6.20	<0.2	32.0	48.8	0.113	1.3	50
E6562646 (9278686)		<1	4.58	570	109	173	<5	8.2	4.18	<0.2	72.5	1020	0.006	2.6	3040
E6562647 (9278687)		<1	6.64	<5	<20	77.1	<5	1.2	5.88	2.4	15.4	43.9	0.056	0.6	123
E6562648 (9278688)		<1	7.35	8	<20	78.2	<5	0.3	4.80	<0.2	12.9	49.9	0.040	1.1	107
E6562649 (9278689)		<1	7.31	8	<20	83.6	<5	0.3	6.26	<0.2	13.3	52.0	0.017	1.0	110
E6562650 (9278690)		<1	7.58	7	22	88.2	<5	0.2	6.12	<0.2	13.3	54.9	0.016	1.4	78
E6562651 (9278691)		1	7.58	7	<20	83.0	<5	0.3	5.61	<0.2	14.2	51.4	0.016	1.1	85
E6562652 (9278692)		<1	0.08	<5	<20	14.5	<5	<0.1	35.7	<0.2	1.0	1.3	<0.005	<0.1	7
E6562653 (9278693)		<1	6.83	9	<20	69.5	<5	0.4	5.36	0.2	16.6	43.9	0.015	1.0	163
E6562654 (9278694)		<1	7.42	7	<20	130	<5	0.2	6.30	0.3	28.5	47.8	0.022	0.7	86
E6562655 (9278695)		<1	7.71	<5	<20	123	<5	0.1	7.48	<0.2	15.9	55.8	0.018	0.5	83
E6562656 (9278696)		<1	7.48	<5	<20	118	<5	0.1	7.78	<0.2	15.6	55.3	0.017	0.4	80
E6562657 (9278697)		<1	7.62	<5	<20	106	<5	0.1	7.42	<0.2	14.9	54.6	0.019	1.0	91
E6562658 (9278698)		<1	7.69	<5	<20	98.8	<5	0.1	7.47	<0.2	15.3	54.8	0.016	1.0	84
E6562659 (9278699)		<1	7.80	<5	<20	139	<5	0.1	8.01	<0.2	16.0	54.3	0.019	0.4	83
E6562660 (9278700)		<1	7.97	<5	<20	92.5	<5	0.2	7.33	<0.2	14.9	56.0	0.018	0.7	73

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6562661 (9278701)	<1	7.17	18	<20	71.7	<5	1.0	5.58	5.5	14.9	46.4	0.015	0.9	96	
E6562662 (9278702)	<1	7.63	6	<20	137	<5	0.4	5.92	0.3	16.3	47.7	0.017	0.9	71	
E6562663 (9278703)	<1	7.19	11	<20	143	<5	0.4	6.78	0.4	15.9	59.5	0.016	0.4	100	
E6562664 (9278704)	<1	7.05	<5	65	119	<5	0.3	6.71	0.2	14.4	58.0	0.014	0.9	202	
E6562665 (9278705)	<1	7.56	<5	<20	85.4	<5	0.1	6.73	<0.2	14.4	57.4	0.018	2.3	93	
E6562666 (9278706)	<1	4.55	560	104	172	<5	9.2	4.18	<0.2	76.1	1020	0.006	2.9	2990	
E6562667 (9278707)	<1	7.50	<5	<20	109	<5	0.2	7.31	<0.2	13.4	55.9	0.017	1.8	90	
E6562668 (9278708)	<1	8.33	<5	<20	79.7	<5	0.2	6.75	<0.2	16.1	62.3	0.019	2.5	131	
E6562669 (9278709)	<1	7.97	<5	<20	83.8	<5	0.2	7.54	<0.2	14.7	56.1	0.018	2.4	126	
E6562670 (9278710)	<1	8.46	<5	<20	134	<5	0.1	8.03	<0.2	14.9	54.3	0.017	1.4	97	
E6562671 (9278711)	<1	7.66	<5	<20	145	<5	0.2	7.32	<0.2	15.3	53.1	0.017	0.9	71	
E6562672 (9278712)	<1	0.07	<5	<20	16.1	<5	<0.1	34.2	<0.2	1.0	1.2	<0.005	<0.1	5	
E6562673 (9278713)	<1	7.68	<5	<20	158	<5	0.2	7.05	<0.2	15.0	54.5	0.017	1.4	64	
E6562674 (9278714)	<1	7.73	<5	28	201	<5	0.3	7.07	<0.2	15.4	52.7	0.017	1.9	97	
E6562675 (9278715)	<1	7.35	<5	<20	196	<5	0.3	6.32	<0.2	14.7	55.6	0.015	5.4	178	
E6562676 (9278716)	<1	7.19	<5	<20	138	<5	0.5	7.04	<0.2	15.8	52.9	0.009	3.6	203	
E6562677 (9278717)	<1	7.12	<5	<20	438	<5	0.4	7.12	<0.2	14.3	61.0	0.010	2.7	172	
E6562678 (9278718)	<1	6.98	7	<20	421	<5	0.3	7.05	<0.2	14.1	60.6	0.009	2.7	167	
E6562679 (9278719)	<1	7.04	<5	<20	326	<5	0.1	5.84	<0.2	14.7	52.9	0.010	0.7	120	
E6562680 (9278720)	<1	4.11	20	<20	51.8	<5	0.1	5.68	0.7	16.1	67.2	0.185	0.7	38	
E6562681 (9278721)	<1	3.88	12	<20	13.6	<5	<0.1	5.77	0.5	15.1	62.3	0.200	0.6	24	
E6562682 (9278722)	2	7.01	9	<20	98.7	<5	0.4	5.85	<0.2	15.1	58.3	0.017	0.5	197	
E6562683 (9278723)	2	6.87	35	<20	398	<5	1.0	6.40	<0.2	14.6	64.3	0.011	2.7	452	
E6562684 (9278724)	1	7.00	22	<20	419	<5	0.8	5.59	<0.2	22.8	57.6	0.015	1.6	391	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018	DATE RECEIVED: May 29, 2018					DATE REPORTED: Jul 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6561197 (9278637)	4.29	2.72	0.95	11.0	17.4	3.77	2	2	0.88	<0.2	0.65	7.2	14	0.39	
E6561198 (9278638)	4.10	2.62	1.09	10.5	17.5	3.73	2	2	0.88	<0.2	0.63	7.1	14	0.40	
E6561199 (9278639)	3.86	2.49	0.81	10.5	17.3	3.37	2	2	0.81	<0.2	0.69	4.8	17	0.35	
E6561200 (9278640)	4.73	3.11	1.10	11.4	19.7	4.20	2	2	1.04	<0.2	0.79	5.7	14	0.47	
E6562601 (9278641)	3.93	2.32	0.93	9.70	16.4	3.26	2	2	0.85	<0.2	0.66	4.6	11	0.37	
E6562602 (9278642)	4.73	2.96	1.04	9.97	19.2	4.18	2	2	0.96	<0.2	0.58	5.8	15	0.45	
E6562603 (9278643)	5.18	3.28	1.13	9.92	18.5	4.58	2	2	1.08	<0.2	0.71	7.0	10	0.48	
E6562604 (9278644)	5.11	3.25	1.16	10.4	19.2	4.55	2	2	1.08	<0.2	0.70	7.2	14	0.49	
E6562605 (9278645)	5.04	3.34	1.07	10.1	18.1	4.56	2	2	1.05	<0.2	0.55	6.2	13	0.46	
E6562606 (9278646)	3.18	1.90	0.92	3.30	11.4	4.56	2	4	0.64	0.2	3.30	36.9	<10	0.31	
E6562607 (9278647)	5.45	3.68	1.06	9.86	18.4	4.87	2	3	1.17	<0.2	0.32	6.8	22	0.53	
E6562608 (9278648)	5.44	3.48	1.30	10.7	19.1	4.82	2	3	1.14	<0.2	0.59	7.1	16	0.50	
E6562609 (9278649)	5.55	3.60	1.14	10.5	18.4	5.01	2	3	1.16	<0.2	0.57	6.7	22	0.53	
E6562610 (9278650)	5.51	3.33	1.29	9.40	19.3	5.42	2	3	1.13	<0.2	0.48	9.5	18	0.48	
E6562611 (9278651)	5.54	3.61	1.17	10.5	18.7	4.92	2	3	1.14	<0.2	0.52	6.8	21	0.51	
E6562612 (9278652)	0.22	0.16	<0.05	0.10	0.23	0.26	1	<1	0.05	<0.2	<0.05	1.4	<10	<0.05	
E6562613 (9278653)	5.52	3.44	1.13	10.4	19.0	4.62	2	3	1.13	<0.2	0.52	6.4	17	0.49	
E6562614 (9278654)	5.11	3.27	1.06	10.2	18.2	4.58	2	3	1.07	<0.2	0.53	6.4	17	0.49	
E6562615 (9278655)	5.21	3.44	1.04	10.4	18.7	4.64	2	2	1.13	<0.2	0.51	6.3	19	0.49	
E6562616 (9278656)	5.57	3.43	1.12	10.6	18.9	4.62	2	3	1.12	<0.2	0.55	6.7	16	0.52	
E6562617 (9278657)	5.22	3.32	1.46	9.99	21.5	4.73	2	2	1.12	<0.2	0.45	6.7	<10	0.49	
E6562618 (9278658)	4.83	3.23	1.33	10.0	20.3	4.40	2	2	1.05	<0.2	0.46	6.3	<10	0.46	
E6562619 (9278659)	4.92	3.05	1.28	9.47	16.8	4.39	2	2	1.02	<0.2	0.46	7.2	11	0.47	
E6562620 (9278660)	5.27	3.38	1.25	10.9	19.9	4.62	2	3	1.12	<0.2	0.49	9.5	18	0.51	
E6562621 (9278661)	5.42	3.40	1.05	10.4	17.7	4.53	2	3	1.12	<0.2	0.34	6.2	16	0.51	
E6562622 (9278662)	5.08	3.28	1.05	10.1	18.3	4.54	2	2	1.11	<0.2	0.31	6.2	12	0.50	
E6562623 (9278663)	5.29	3.38	1.03	10.2	18.0	4.65	2	3	1.08	<0.2	0.36	6.0	16	0.51	
E6562624 (9278664)	5.19	3.21	1.30	10.3	18.2	4.96	2	3	1.07	<0.2	0.66	8.4	23	0.49	
E6562625 (9278665)	5.48	3.35	1.16	9.66	18.4	5.24	2	2	1.17	<0.2	1.10	9.8	19	0.52	
E6562626 (9278666)	3.36	1.98	0.95	3.29	11.4	4.53	1	5	0.63	0.2	3.33	36.6	<10	0.29	
E6562627 (9278667)	4.98	3.20	0.97	10.4	17.4	4.28	2	2	1.02	<0.2	0.55	5.7	17	0.45	
E6562628 (9278668)	5.08	3.35	1.02	12.6	16.9	4.68	2	2	1.09	<0.2	0.57	6.3	21	0.51	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6562629 (9278669)		5.01	3.24	1.03	12.6	18.0	4.47	2	2	1.08	<0.2	0.63	5.6	18	0.48
E6562630 (9278670)		4.93	3.15	0.98	13.6	17.0	4.21	2	2	1.05	<0.2	0.94	5.5	17	0.49
E6562631 (9278671)		4.89	3.28	0.99	12.3	18.0	4.40	2	2	1.08	<0.2	0.67	5.7	13	0.47
E6562632 (9278672)		0.27	0.17	<0.05	0.12	0.24	0.28	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05
E6562633 (9278673)		4.87	3.08	1.13	11.7	17.6	4.20	2	2	1.03	<0.2	0.93	5.7	15	0.47
E6562634 (9278674)		5.05	3.17	1.23	13.0	17.7	4.38	2	2	1.07	<0.2	0.70	6.2	11	0.50
E6562635 (9278675)		4.85	3.02	0.96	14.8	16.8	4.08	2	2	1.00	<0.2	0.83	5.3	19	0.48
E6562636 (9278676)		4.75	3.03	0.94	14.9	16.9	3.99	2	2	1.01	<0.2	0.72	5.9	16	0.48
E6562637 (9278677)		4.56	2.98	0.93	13.9	17.0	4.10	2	2	0.99	<0.2	0.79	6.0	18	0.46
E6562638 (9278678)		4.52	2.99	0.91	13.3	17.1	4.12	2	2	0.96	<0.2	0.80	6.0	20	0.42
E6562639 (9278679)		4.79	2.98	0.90	14.8	16.4	3.97	2	2	1.02	<0.2	0.82	5.5	19	0.46
E6562640 (9278680)		4.48	2.92	0.90	14.5	16.4	4.26	2	2	1.00	<0.2	0.78	5.8	13	0.44
E6562641 (9278681)		4.30	2.82	0.91	14.3	16.3	3.93	2	2	0.95	<0.2	0.91	5.9	14	0.42
E6562642 (9278682)		4.75	3.10	1.01	14.2	17.1	4.12	2	2	1.02	<0.2	0.70	6.1	18	0.48
E6562643 (9278683)		4.75	3.04	1.01	12.5	17.6	4.22	2	2	1.01	<0.2	0.64	5.8	15	0.46
E6562644 (9278684)		3.74	2.27	1.05	11.5	14.6	3.89	2	2	0.77	<0.2	0.74	11.5	33	0.35
E6562645 (9278685)		2.92	1.65	1.10	8.11	13.1	3.87	2	2	0.58	<0.2	0.56	14.9	41	0.24
E6562646 (9278686)		3.20	2.09	0.92	3.19	11.3	4.39	2	4	0.66	0.2	3.27	37.4	<10	0.30
E6562647 (9278687)		4.34	2.84	1.03	9.88	15.4	3.87	2	2	0.89	<0.2	0.34	6.5	22	0.42
E6562648 (9278688)		4.99	3.07	0.98	9.34	17.4	4.35	2	2	1.05	<0.2	0.33	5.3	27	0.46
E6562649 (9278689)		5.08	3.27	1.06	10.3	18.0	4.28	2	2	1.06	<0.2	0.48	5.2	18	0.47
E6562650 (9278690)		5.09	3.29	1.15	10.4	19.1	4.30	2	2	1.07	<0.2	0.62	5.5	29	0.47
E6562651 (9278691)		5.24	3.35	1.08	10.3	18.8	4.54	2	3	1.13	<0.2	0.40	5.7	17	0.51
E6562652 (9278692)		0.25	0.24	<0.05	0.11	0.20	0.27	<1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05
E6562653 (9278693)		4.86	3.11	1.35	10.4	16.7	4.23	2	2	1.03	<0.2	0.36	7.3	23	0.46
E6562654 (9278694)		5.02	2.99	1.33	9.32	17.5	5.11	2	3	1.04	<0.2	0.53	12.3	14	0.43
E6562655 (9278695)		5.40	3.32	1.08	9.76	18.5	4.51	2	2	1.10	<0.2	0.59	6.6	<10	0.50
E6562656 (9278696)		5.21	3.25	1.04	10.2	18.7	4.59	2	2	1.08	<0.2	0.53	6.3	<10	0.50
E6562657 (9278697)		5.30	3.17	1.04	9.99	18.5	4.50	2	2	1.10	<0.2	0.46	6.1	<10	0.50
E6562658 (9278698)		5.34	3.34	1.09	10.0	18.9	4.53	2	2	1.10	<0.2	0.47	6.1	<10	0.50
E6562659 (9278699)		5.26	3.42	1.14	9.97	18.6	4.59	2	3	1.13	<0.2	0.59	6.5	<10	0.49
E6562660 (9278700)		5.29	3.41	1.08	10.4	18.8	4.68	2	3	1.14	<0.2	0.44	6.1	<10	0.50

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6562661 (9278701)		4.70	2.99	1.00	10.8	19.0	4.20	2	2	0.95	<0.2	0.36	6.4	14	0.44
E6562662 (9278702)		5.27	3.22	1.23	10.5	19.5	4.77	2	2	1.13	<0.2	0.51	6.9	13	0.49
E6562663 (9278703)		5.09	3.39	1.10	10.0	17.7	4.34	2	3	1.12	<0.2	0.52	6.5	<10	0.51
E6562664 (9278704)		4.67	3.06	0.93	10.4	17.8	4.16	2	2	1.01	<0.2	0.78	6.0	11	0.46
E6562665 (9278705)		5.04	3.27	1.08	9.97	18.6	4.29	2	2	1.07	<0.2	0.51	5.8	12	0.48
E6562666 (9278706)		3.60	2.27	1.03	3.21	11.5	4.92	2	5	0.72	0.3	3.13	39.2	<10	0.34
E6562667 (9278707)		5.28	3.22	1.02	10.8	18.2	4.35	2	3	1.09	<0.2	0.64	5.2	15	0.51
E6562668 (9278708)		5.68	3.62	1.09	9.98	19.9	4.88	2	3	1.22	<0.2	0.55	6.5	13	0.56
E6562669 (9278709)		5.15	3.40	1.03	10.3	18.9	4.61	2	3	1.12	<0.2	0.50	6.0	12	0.47
E6562670 (9278710)		5.28	3.36	1.09	10.7	19.1	4.64	2	3	1.17	<0.2	0.61	6.2	12	0.50
E6562671 (9278711)		5.12	3.30	1.09	10.4	18.7	4.61	2	2	1.11	<0.2	0.60	6.2	11	0.50
E6562672 (9278712)		0.23	0.13	<0.05	0.11	0.19	0.21	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05
E6562673 (9278713)		5.37	3.35	1.05	10.3	18.0	4.63	2	2	1.12	<0.2	0.59	6.0	10	0.48
E6562674 (9278714)		4.99	3.23	0.92	10.9	18.6	4.39	2	2	1.08	<0.2	0.87	6.0	12	0.48
E6562675 (9278715)		4.84	3.14	0.87	11.2	18.1	4.17	2	3	1.05	<0.2	0.83	5.9	23	0.48
E6562676 (9278716)		4.90	3.18	1.06	15.7	18.2	4.33	2	2	1.05	<0.2	0.71	6.5	27	0.48
E6562677 (9278717)		5.03	3.25	1.12	13.1	17.4	4.46	2	2	1.08	<0.2	1.39	5.7	20	0.49
E6562678 (9278718)		4.97	3.10	1.05	13.1	17.2	4.28	2	2	1.06	<0.2	1.40	5.8	20	0.51
E6562679 (9278719)		4.78	3.03	1.06	10.2	15.6	4.21	1	2	1.00	<0.2	1.09	6.4	22	0.44
E6562680 (9278720)		2.45	1.36	0.71	8.06	9.75	2.82	1	1	0.47	<0.2	0.20	6.8	20	0.20
E6562681 (9278721)		2.17	1.17	0.60	7.51	8.82	2.73	1	1	0.42	<0.2	0.06	6.4	14	0.17
E6562682 (9278722)		4.68	3.10	1.07	13.0	16.9	4.14	1	2	1.01	<0.2	0.52	6.3	25	0.48
E6562683 (9278723)		4.44	2.90	0.95	13.0	16.6	3.93	2	2	0.98	<0.2	1.22	6.1	14	0.42
E6562684 (9278724)		5.03	3.25	1.23	12.2	18.1	4.58	2	3	1.06	<0.2	1.25	9.6	31	0.52

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6561197 (9278637)		3.76	1980	10	3	9.8	113	0.04	70	2.11	20.7	0.78	1.3	40	22.5
E6561198 (9278638)		3.70	1980	10	3	9.8	112	0.04	66	2.11	20.5	0.75	1.2	39	21.9
E6561199 (9278639)		3.72	1990	5	3	8.4	123	0.05	53	1.73	24.5	1.13	1.0	39	22.1
E6561200 (9278640)		3.56	2090	7	3	10.3	122	0.04	40	2.10	30.7	1.23	1.2	41	22.5
E6562601 (9278641)		3.03	1940	5	3	8.0	103	0.04	20	1.68	25.3	0.75	1.0	37	22.4
E6562602 (9278642)		2.96	1920	5	4	10.6	79	0.05	15	2.16	21.8	0.61	0.7	43	23.5
E6562603 (9278643)		2.80	1810	3	4	11.8	60	0.05	6	2.49	27.6	0.20	0.6	43	23.1
E6562604 (9278644)		3.46	1740	2	4	11.9	54	0.05	14	2.58	30.1	0.19	0.4	43	22.8
E6562605 (9278645)		3.77	1830	<2	4	10.9	52	0.05	6	2.34	21.5	0.16	0.4	42	23.4
E6562606 (9278646)		2.67	471	12	8	31.1	175	0.07	13	8.66	111	1.62	1.5	7	26.8
E6562607 (9278647)		4.00	1690	<2	4	11.8	54	0.06	87	2.48	12.8	0.23	0.6	42	21.4
E6562608 (9278648)		3.78	1820	3	4	12.3	57	0.06	7	2.55	23.5	0.19	0.4	43	22.7
E6562609 (9278649)		3.75	1810	<2	4	12.4	55	0.06	39	2.58	20.9	0.27	0.5	43	23.6
E6562610 (9278650)		3.16	1500	27	4	15.4	46	0.06	20	3.39	16.8	0.32	0.5	38	23.9
E6562611 (9278651)		3.70	1860	<2	4	12.0	50	0.06	20	2.57	18.6	0.25	0.5	44	23.6
E6562612 (9278652)		2.27	54	<2	<1	0.9	<5	0.01	<5	0.23	0.5	<0.01	<0.1	<5	4.56
E6562613 (9278653)		3.61	1880	<2	4	11.6	52	0.06	13	2.44	19.4	0.29	0.5	42	22.8
E6562614 (9278654)		3.79	1870	<2	4	11.1	53	0.05	13	2.42	20.4	0.33	0.6	41	22.2
E6562615 (9278655)		4.07	1870	<2	4	11.5	60	0.06	11	2.42	22.7	0.29	0.5	42	22.8
E6562616 (9278656)		4.03	2010	2	4	12.0	62	0.05	13	2.56	22.1	0.22	0.5	44	23.0
E6562617 (9278657)		2.97	1740	8	4	11.5	50	0.05	12	2.40	17.1	0.32	0.7	38	23.5
E6562618 (9278658)		2.99	1770	7	4	10.9	52	0.05	12	2.28	16.2	0.35	0.7	38	23.6
E6562619 (9278659)		3.05	1690	25	4	11.7	53	0.05	21	2.51	15.7	0.24	0.5	39	24.3
E6562620 (9278660)		3.90	1770	2	4	12.8	59	0.05	32	2.92	16.6	0.25	0.7	41	21.4
E6562621 (9278661)		3.84	2040	<2	4	11.3	53	0.05	8	2.42	11.8	0.13	0.6	42	22.8
E6562622 (9278662)		3.65	1980	<2	4	11.3	65	0.05	6	2.33	11.7	0.20	0.4	41	22.7
E6562623 (9278663)		3.80	1980	<2	4	11.1	52	0.06	7	2.31	14.0	0.13	0.4	42	22.7
E6562624 (9278664)		3.81	1930	<2	4	12.6	51	0.06	16	2.70	25.3	0.11	0.6	42	22.4
E6562625 (9278665)		3.07	2010	<2	4	15.1	54	0.05	74	3.26	39.1	0.09	0.7	42	22.3
E6562626 (9278666)		2.61	459	12	8	31.1	166	0.07	12	8.68	108	1.55	1.6	7	27.2
E6562627 (9278667)		4.04	2080	3	4	10.5	62	0.05	29	2.17	19.9	0.26	0.9	39	22.3
E6562628 (9278668)		4.48	2570	4	3	11.5	61	0.05	16	2.35	21.6	0.67	0.8	42	20.4

Certified By:



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AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6562629 (9278669)		3.85	2810	2	4	10.4	79	0.06	6	2.09	23.4	0.36	0.5	45	20.2
E6562630 (9278670)		3.65	3050	<2	4	10.2	65	0.05	<5	2.06	41.9	0.57	0.4	41	20.4
E6562631 (9278671)		3.70	2700	3	4	10.5	70	0.05	11	2.20	24.4	0.56	0.6	42	21.5
E6562632 (9278672)		3.02	61	<2	<1	0.9	<5	0.02	<5	0.22	0.4	<0.01	<0.1	<5	4.17
E6562633 (9278673)		3.29	2750	3	4	10.5	69	0.06	<5	2.18	38.4	0.30	0.3	40	22.3
E6562634 (9278674)		3.86	2870	4	3	10.6	65	0.05	59	2.25	27.7	0.59	0.5	40	21.5
E6562635 (9278675)		4.17	3610	<2	3	9.8	64	0.05	53	2.01	37.3	0.49	0.5	39	20.4
E6562636 (9278676)		3.79	3870	<2	4	10.4	61	0.05	5	2.17	32.2	0.60	0.4	38	20.6
E6562637 (9278677)		3.78	3190	4	3	10.4	64	0.05	5	2.19	36.5	0.71	0.3	36	20.7
E6562638 (9278678)		3.68	3200	4	4	10.4	65	0.05	7	2.15	37.0	0.73	0.3	36	20.1
E6562639 (9278679)		3.78	3210	<2	3	10.0	54	0.04	5	2.07	39.8	0.90	0.3	34	19.2
E6562640 (9278680)		3.72	3530	3	3	10.3	61	0.05	<5	2.24	34.8	0.71	0.3	36	20.2
E6562641 (9278681)		3.67	3210	2	3	10.0	64	0.04	6	2.13	33.7	1.17	0.4	36	19.7
E6562642 (9278682)		3.70	3140	4	4	10.5	63	0.05	7	2.25	33.6	1.25	0.4	38	19.4
E6562643 (9278683)		3.19	2720	11	4	10.4	67	0.06	10	2.19	30.4	0.57	0.6	40	22.2
E6562644 (9278684)		6.27	2410	<2	3	14.9	176	0.12	47	3.50	28.9	0.36	0.6	34	20.6
E6562645 (9278685)		7.81	1710	<2	3	18.1	254	0.17	64	4.41	21.3	<0.01	0.3	27	22.5
E6562646 (9278686)		2.62	465	12	8	31.4	166	0.08	13	8.66	109	1.61	1.6	7	26.0
E6562647 (9278687)		6.10	1920	<2	3	10.3	272	0.09	92	2.31	10.3	0.11	0.5	37	22.8
E6562648 (9278688)		5.15	1800	<2	4	9.5	192	0.08	11	2.00	11.0	0.13	0.5	43	22.3
E6562649 (9278689)		3.49	1860	<2	4	9.7	79	0.05	12	2.06	16.5	0.14	0.5	43	22.0
E6562650 (9278690)		3.67	1940	<2	4	9.5	72	0.05	8	1.99	19.0	0.12	0.5	42	22.3
E6562651 (9278691)		3.54	1880	<2	4	10.6	75	0.05	18	2.20	14.4	0.10	0.5	44	22.5
E6562652 (9278692)		2.26	54	<2	<1	0.9	<5	0.01	<5	0.21	0.4	<0.01	<0.1	<5	3.74
E6562653 (9278693)		4.23	1730	2	4	11.4	70	0.06	239	2.50	12.0	0.06	0.3	38	21.5
E6562654 (9278694)		3.62	1620	<2	5	18.1	113	0.10	42	4.09	16.7	0.04	0.4	38	23.2
E6562655 (9278695)		2.71	1800	3	4	11.4	69	0.05	18	2.39	18.8	0.11	0.5	45	23.3
E6562656 (9278696)		2.75	1860	<2	4	11.3	71	0.06	6	2.34	16.4	0.06	0.4	43	23.1
E6562657 (9278697)		2.71	1880	3	4	11.0	69	0.05	10	2.30	17.3	0.11	0.4	44	22.8
E6562658 (9278698)		2.61	1740	2	4	11.5	66	0.05	9	2.36	17.5	0.09	0.4	41	23.0
E6562659 (9278699)		2.53	1720	2	4	11.9	68	0.05	18	2.44	17.9	0.07	0.5	44	23.1
E6562660 (9278700)		2.88	2000	3	4	11.3	74	0.05	19	2.35	13.4	0.10	0.4	45	23.8

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6562661 (9278701)	3.46	2140	<2	3	10.6	72	0.05	1550	2.28	10.8	0.30	0.6	41	22.0
E6562662 (9278702)	3.11	2050	<2	4	11.9	70	0.05	194	2.50	16.7	0.20	0.6	45	22.3
E6562663 (9278703)	3.09	1860	4	4	11.6	81	0.06	115	2.47	15.7	0.22	1.2	45	22.3
E6562664 (9278704)	3.01	2070	<2	3	10.7	71	0.05	21	2.23	23.4	0.19	0.6	40	22.2
E6562665 (9278705)	2.72	1860	2	4	11.1	71	0.05	7	2.24	22.2	0.13	0.3	43	23.6
E6562666 (9278706)	2.57	463	13	9	33.2	167	0.07	13	9.19	116	1.56	1.8	7	26.2
E6562667 (9278707)	3.23	2010	2	4	10.5	70	0.05	7	2.18	25.5	0.12	0.3	44	22.8
E6562668 (9278708)	2.48	1780	<2	4	11.8	82	0.05	6	2.45	24.2	0.24	0.2	49	23.4
E6562669 (9278709)	2.62	2040	2	4	10.7	74	0.05	<5	2.23	22.5	0.20	0.2	45	22.8
E6562670 (9278710)	2.94	1890	<2	4	11.2	67	0.05	6	2.36	22.1	0.07	0.3	45	23.6
E6562671 (9278711)	2.81	2020	<2	4	11.2	71	0.05	<5	2.37	20.1	0.07	0.4	46	22.6
E6562672 (9278712)	2.55	57	<2	<1	0.9	<5	0.01	<5	0.22	0.3	<0.01	<0.1	<5	4.27
E6562673 (9278713)	2.59	1930	<2	4	11.3	71	0.05	<5	2.37	22.3	0.09	0.5	45	22.8
E6562674 (9278714)	2.69	2080	<2	4	10.4	71	0.05	8	2.16	31.4	0.19	0.9	44	22.3
E6562675 (9278715)	3.11	2290	2	4	10.6	76	0.06	<5	2.21	50.3	0.68	0.8	42	22.1
E6562676 (9278716)	4.11	3220	<2	4	11.4	63	0.05	5	2.41	38.8	0.95	1.8	39	19.5
E6562677 (9278717)	3.84	2840	<2	4	10.5	73	0.06	6	2.18	52.9	0.47	1.5	42	21.5
E6562678 (9278718)	3.86	2800	<2	4	10.5	71	0.05	5	2.18	54.2	0.48	1.5	41	21.2
E6562679 (9278719)	4.09	2380	3	3	10.5	83	0.05	13	2.16	31.6	0.09	0.8	39	22.4
E6562680 (9278720)	12.5	1710	<2	2	11.0	805	0.15	17	2.38	6.6	0.14	1.0	25	20.0
E6562681 (9278721)	13.9	1520	3	2	10.2	909	0.16	33	2.24	2.9	0.01	0.9	22	20.9
E6562682 (9278722)	4.89	2540	2	4	10.4	104	0.06	20	2.26	12.3	0.91	1.6	42	20.6
E6562683 (9278723)	3.37	2600	2	3	10.2	81	0.05	5	2.23	49.6	1.63	1.5	37	20.7
E6562684 (9278724)	4.42	2280	4	5	14.5	88	0.09	8	3.35	40.1	1.31	1.3	39	20.6

Certified By:



Certificate of Analysis

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PROJECT: DDH-132A

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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
E6561197 (9278637)		2.9	<1	159	<0.5	0.65	0.4	0.66	<0.5	0.37	0.20	275	1	22.9	2.7
E6561198 (9278638)		2.7	<1	155	<0.5	0.63	0.4	0.65	<0.5	0.39	0.16	276	1	22.7	2.6
E6561199 (9278639)		2.5	<1	136	<0.5	0.59	0.4	0.67	<0.5	0.36	0.15	285	1	21.8	2.6
E6561200 (9278640)		3.1	<1	164	<0.5	0.73	0.5	0.66	<0.5	0.45	0.19	298	2	25.8	3.1
E6562601 (9278641)		2.4	<1	154	<0.5	0.57	0.4	0.60	<0.5	0.36	0.17	264	1	21.9	2.4
E6562602 (9278642)		3.2	<1	130	<0.5	0.72	0.6	0.73	<0.5	0.43	0.21	314	1	26.6	3.0
E6562603 (9278643)		3.4	<1	184	<0.5	0.81	0.6	0.77	<0.5	0.48	0.21	327	1	27.8	3.3
E6562604 (9278644)		3.5	<1	167	<0.5	0.79	0.7	0.78	<0.5	0.48	0.20	334	1	28.3	3.2
E6562605 (9278645)		3.3	<1	163	<0.5	0.77	0.6	0.75	<0.5	0.45	0.22	313	<1	28.4	3.1
E6562606 (9278646)		5.5	2	29.5	0.7	0.62	10.6	0.24	0.7	0.29	6.63	59	4	18.4	2.0
E6562607 (9278647)		3.7	<1	109	<0.5	0.83	0.7	0.76	<0.5	0.51	0.26	317	1	30.5	3.5
E6562608 (9278648)		3.6	<1	228	<0.5	0.81	0.7	0.80	<0.5	0.50	0.21	329	1	30.0	3.4
E6562609 (9278649)		3.7	<1	188	<0.5	0.90	0.7	0.81	<0.5	0.50	0.23	322	2	31.2	3.5
E6562610 (9278650)		4.2	<1	217	<0.5	0.88	0.7	0.73	<0.5	0.51	0.26	303	2	29.9	3.3
E6562611 (9278651)		3.6	<1	163	<0.5	0.92	0.7	0.82	<0.5	0.52	0.23	330	1	30.9	3.5
E6562612 (9278652)		0.2	<1	54.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.3	0.2
E6562613 (9278653)		3.5	<1	175	<0.5	0.83	0.7	0.79	<0.5	0.51	0.22	324	1	30.1	3.4
E6562614 (9278654)		3.4	<1	166	<0.5	0.79	0.6	0.75	<0.5	0.45	0.20	319	1	28.6	3.2
E6562615 (9278655)		3.3	<1	157	<0.5	0.80	0.7	0.78	<0.5	0.47	0.20	321	<1	28.5	3.4
E6562616 (9278656)		3.6	<1	152	<0.5	0.82	0.7	0.80	<0.5	0.51	0.21	332	1	29.8	3.4
E6562617 (9278657)		3.6	<1	188	<0.5	0.82	0.6	0.71	<0.5	0.48	0.23	291	2	28.5	3.3
E6562618 (9278658)		3.2	<1	195	<0.5	0.75	0.6	0.72	<0.5	0.47	0.20	296	2	26.5	3.1
E6562619 (9278659)		3.4	<1	158	<0.5	0.75	0.6	0.72	<0.5	0.45	0.20	283	1	26.8	3.1
E6562620 (9278660)		3.6	<1	132	<0.5	0.82	0.6	0.75	<0.5	0.49	0.30	318	1	29.5	3.4
E6562621 (9278661)		3.4	<1	160	<0.5	0.79	0.7	0.77	<0.5	0.50	0.20	317	<1	29.7	3.4
E6562622 (9278662)		3.5	1	157	<0.5	0.79	0.7	0.75	<0.5	0.48	0.19	308	<1	28.8	3.2
E6562623 (9278663)		3.3	<1	169	<0.5	0.83	0.6	0.77	<0.5	0.48	0.22	319	<1	28.7	3.2
E6562624 (9278664)		3.6	<1	163	<0.5	0.82	0.7	0.76	<0.5	0.49	0.23	316	1	29.2	3.1
E6562625 (9278665)		4.0	<1	175	<0.5	0.87	0.6	0.74	<0.5	0.49	0.27	311	1	29.3	3.5
E6562626 (9278666)		5.5	2	30.0	0.7	0.61	10.4	0.24	0.7	0.28	6.66	56	4	18.3	2.0
E6562627 (9278667)		3.1	<1	164	<0.5	0.76	0.6	0.71	<0.5	0.46	0.19	293	1	28.2	3.0
E6562628 (9278668)		3.2	<1	130	<0.5	0.79	0.6	0.68	<0.5	0.48	0.19	309	1	28.9	3.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
E6562629 (9278669)		3.4	<1	112	<0.5	0.77	0.5	0.75	<0.5	0.48	0.21	328	1	27.7	3.1
E6562630 (9278670)		3.0	<1	94.8	<0.5	0.75	0.5	0.70	<0.5	0.45	0.21	307	1	27.3	3.2
E6562631 (9278671)		3.1	<1	138	<0.5	0.80	0.5	0.75	<0.5	0.49	0.18	316	2	27.3	3.1
E6562632 (9278672)		0.2	<1	57.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.16	<5	<1	2.4	0.2
E6562633 (9278673)		3.2	<1	121	<0.5	0.79	0.6	0.74	<0.5	0.46	0.20	300	2	27.1	3.1
E6562634 (9278674)		3.1	<1	137	<0.5	0.80	0.5	0.70	<0.5	0.47	0.19	296	2	28.6	3.1
E6562635 (9278675)		3.0	<1	72.2	<0.5	0.71	0.5	0.69	<0.5	0.44	0.19	291	1	26.9	3.0
E6562636 (9278676)		3.1	<1	106	<0.5	0.72	0.7	0.67	<0.5	0.47	0.24	291	3	27.3	3.0
E6562637 (9278677)		3.1	<1	121	<0.5	0.68	0.6	0.67	<0.5	0.44	0.20	271	1	25.8	3.0
E6562638 (9278678)		3.0	1	125	<0.5	0.70	0.6	0.67	<0.5	0.43	0.19	272	1	25.9	2.9
E6562639 (9278679)		3.0	<1	87.6	<0.5	0.70	0.6	0.65	<0.5	0.45	0.18	255	1	26.5	3.1
E6562640 (9278680)		3.0	<1	107	<0.5	0.71	0.6	0.65	<0.5	0.42	0.19	277	2	26.3	2.9
E6562641 (9278681)		2.8	<1	105	<0.5	0.67	0.6	0.64	<0.5	0.40	0.19	270	2	25.1	2.8
E6562642 (9278682)		3.0	<1	129	<0.5	0.73	0.6	0.68	<0.5	0.45	0.21	288	1	27.1	3.1
E6562643 (9278683)		3.0	<1	217	<0.5	0.71	0.6	0.72	<0.5	0.45	0.18	300	2	27.2	3.0
E6562644 (9278684)		3.5	<1	269	<0.5	0.62	1.5	0.52	<0.5	0.34	0.45	237	1	20.1	2.3
E6562645 (9278685)		3.8	<1	284	<0.5	0.53	2.3	0.39	<0.5	0.22	0.65	173	<1	15.3	1.5
E6562646 (9278686)		5.6	2	29.3	0.7	0.64	10.6	0.23	0.7	0.30	6.65	57	5	18.0	2.0
E6562647 (9278687)		3.0	<1	131	<0.5	0.67	0.9	0.62	<0.5	0.40	0.38	255	1	24.0	2.6
E6562648 (9278688)		3.0	<1	139	<0.5	0.75	0.8	0.71	<0.5	0.47	0.28	302	2	27.0	3.0
E6562649 (9278689)		3.0	<1	164	<0.5	0.75	0.6	0.73	<0.5	0.47	0.19	308	1	28.1	3.1
E6562650 (9278690)		3.0	<1	165	<0.5	0.77	0.6	0.76	<0.5	0.48	0.22	312	1	27.9	3.2
E6562651 (9278691)		3.4	<1	146	<0.5	0.78	0.6	0.77	<0.5	0.48	0.20	324	2	28.5	3.2
E6562652 (9278692)		0.2	<1	59.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.17	<5	<1	2.3	0.1
E6562653 (9278693)		3.2	<1	85.7	<0.5	0.74	0.6	0.68	<0.5	0.43	0.29	281	2	26.7	2.9
E6562654 (9278694)		4.6	<1	240	<0.5	0.81	1.3	0.75	<0.5	0.41	0.40	277	1	26.9	2.9
E6562655 (9278695)		3.4	<1	196	<0.5	0.81	0.6	0.76	<0.5	0.47	0.19	322	1	28.6	3.2
E6562656 (9278696)		3.3	<1	182	<0.5	0.79	0.6	0.75	<0.5	0.47	0.18	317	1	28.3	3.3
E6562657 (9278697)		3.2	<1	168	<0.5	0.79	0.6	0.76	<0.5	0.48	0.18	321	1	28.3	3.2
E6562658 (9278698)		3.4	<1	156	<0.5	0.80	0.6	0.76	<0.5	0.48	0.20	299	2	28.5	3.3
E6562659 (9278699)		3.5	<1	188	<0.5	0.81	0.6	0.76	<0.5	0.48	0.18	317	1	28.6	3.2
E6562660 (9278700)		3.4	<1	147	<0.5	0.77	0.6	0.80	<0.5	0.49	0.19	330	2	28.8	3.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6562661 (9278701)		3.1	<1	93.3	<0.5	0.72	0.6	0.68	<0.5	0.43	0.21	308	5	25.4	3.1
E6562662 (9278702)		3.6	<1	133	<0.5	0.81	0.6	0.79	<0.5	0.49	0.22	334	3	29.2	3.4
E6562663 (9278703)		3.3	<1	181	<0.5	0.80	0.6	0.75	<0.5	0.49	0.18	325	2	28.4	3.2
E6562664 (9278704)		3.1	<1	150	<0.5	0.76	0.5	0.67	<0.5	0.45	0.17	300	3	26.4	3.1
E6562665 (9278705)		3.2	<1	177	<0.5	0.78	0.6	0.75	<0.5	0.48	0.17	315	1	27.2	3.2
E6562666 (9278706)		5.9	2	28.2	0.8	0.70	11.4	0.23	0.8	0.32	7.01	56	5	19.0	2.3
E6562667 (9278707)		3.4	<1	153	<0.5	0.79	0.6	0.75	<0.5	0.50	0.19	322	2	28.2	3.2
E6562668 (9278708)		3.6	<1	181	<0.5	0.90	0.7	0.83	<0.5	0.51	0.21	349	1	31.1	3.6
E6562669 (9278709)		3.3	<1	180	<0.5	0.78	0.6	0.78	<0.5	0.49	0.18	331	3	28.6	3.3
E6562670 (9278710)		3.5	<1	196	<0.5	0.82	0.6	0.84	<0.5	0.52	0.20	323	1	29.4	3.4
E6562671 (9278711)		3.3	<1	201	<0.5	0.80	0.6	0.76	<0.5	0.49	0.18	337	2	29.1	3.2
E6562672 (9278712)		0.2	<1	53.6	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.3	0.1
E6562673 (9278713)		3.3	<1	174	<0.5	0.80	0.6	0.77	<0.5	0.48	0.18	324	2	28.7	3.3
E6562674 (9278714)		3.1	<1	194	<0.5	0.75	0.6	0.76	<0.5	0.46	0.18	324	4	26.9	3.2
E6562675 (9278715)		3.1	<1	155	<0.5	0.75	0.7	0.72	<0.5	0.46	0.21	313	2	27.5	3.2
E6562676 (9278716)		3.2	<1	176	<0.5	0.74	0.7	0.72	<0.5	0.48	0.23	304	2	27.4	3.1
E6562677 (9278717)		3.1	<1	206	<0.5	0.77	0.6	0.72	<0.5	0.48	0.22	313	2	28.1	3.3
E6562678 (9278718)		3.2	<1	196	<0.5	0.74	0.6	0.71	<0.5	0.47	0.20	302	2	28.4	3.2
E6562679 (9278719)		3.0	<1	196	<0.5	0.71	0.6	0.71	<0.5	0.43	0.18	297	2	26.4	2.9
E6562680 (9278720)		2.6	<1	90.2	<0.5	0.42	1.1	0.32	<0.5	0.19	0.39	155	1	13.2	1.4
E6562681 (9278721)		2.6	<1	106	<0.5	0.38	1.1	0.26	<0.5	0.16	0.37	135	1	11.2	1.1
E6562682 (9278722)		3.2	<1	198	<0.5	0.72	0.6	0.75	<0.5	0.47	0.23	325	3	26.7	3.3
E6562683 (9278723)		3.0	<1	207	<0.5	0.66	0.7	0.67	<0.5	0.44	0.24	277	3	24.8	2.9
E6562684 (9278724)		3.7	1	184	<0.5	0.78	1.4	0.72	<0.5	0.48	0.50	297	4	27.6	3.2

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018 DATE RECEIVED: May 29, 2018 DATE REPORTED: Jul 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6561197 (9278637)		281	62.8
E6561198 (9278638)		277	63.9
E6561199 (9278639)		364	65.0
E6561200 (9278640)		131	69.1
E6562601 (9278641)		111	58.1
E6562602 (9278642)		113	83.3
E6562603 (9278643)		83	85.1
E6562604 (9278644)		119	86.4
E6562605 (9278645)		102	85.9
E6562606 (9278646)		6	163
E6562607 (9278647)		156	92.5
E6562608 (9278648)		102	90.8
E6562609 (9278649)		173	97.7
E6562610 (9278650)		80	88.4
E6562611 (9278651)		111	95.3
E6562612 (9278652)		<5	2.2
E6562613 (9278653)		151	92.4
E6562614 (9278654)		105	86.0
E6562615 (9278655)		102	87.6
E6562616 (9278656)		113	91.6
E6562617 (9278657)		75	86.7
E6562618 (9278658)		76	81.1
E6562619 (9278659)		106	81.9
E6562620 (9278660)		109	86.8
E6562621 (9278661)		94	88.4
E6562622 (9278662)		104	87.5
E6562623 (9278663)		103	88.9
E6562624 (9278664)		101	88.2
E6562625 (9278665)		89	85.1
E6562626 (9278666)		8	165
E6562627 (9278667)		96	80.2
E6562628 (9278668)		112	77.0

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AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018 DATE RECEIVED: May 29, 2018 DATE REPORTED: Jul 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6562629 (9278669)		103	80.4
E6562630 (9278670)		92	77.2
E6562631 (9278671)		92	77.4
E6562632 (9278672)		<5	2.3
E6562633 (9278673)		83	79.2
E6562634 (9278674)		105	76.6
E6562635 (9278675)		346	76.4
E6562636 (9278676)		99	82.4
E6562637 (9278677)		94	76.8
E6562638 (9278678)		87	77.0
E6562639 (9278679)		93	75.0
E6562640 (9278680)		85	73.4
E6562641 (9278681)		91	74.2
E6562642 (9278682)		92	80.7
E6562643 (9278683)		84	76.7
E6562644 (9278684)		153	70.8
E6562645 (9278685)		139	69.5
E6562646 (9278686)		<5	167
E6562647 (9278687)		650	73.7
E6562648 (9278688)		121	83.3
E6562649 (9278689)		111	82.8
E6562650 (9278690)		92	82.8
E6562651 (9278691)		112	87.3
E6562652 (9278692)		<5	1.9
E6562653 (9278693)		153	81.1
E6562654 (9278694)		135	102
E6562655 (9278695)		98	85.0
E6562656 (9278696)		95	85.0
E6562657 (9278697)		93	83.8
E6562658 (9278698)		91	85.4
E6562659 (9278699)		99	86.3
E6562660 (9278700)		105	86.8

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6562661 (9278701)		1430	77.6
E6562662 (9278702)		172	87.1
E6562663 (9278703)		171	84.8
E6562664 (9278704)		140	74.3
E6562665 (9278705)		93	83.4
E6562666 (9278706)		7	180
E6562667 (9278707)		109	83.3
E6562668 (9278708)		97	93.0
E6562669 (9278709)		90	87.1
E6562670 (9278710)		121	87.0
E6562671 (9278711)		96	84.2
E6562672 (9278712)		<5	1.6
E6562673 (9278713)		91	85.2
E6562674 (9278714)		88	81.5
E6562675 (9278715)		104	86.4
E6562676 (9278716)		114	85.0
E6562677 (9278717)		111	78.9
E6562678 (9278718)		107	79.2
E6562679 (9278719)		103	76.8
E6562680 (9278720)		316	45.7
E6562681 (9278721)		217	38.6
E6562682 (9278722)		112	83.0
E6562683 (9278723)		99	78.5
E6562684 (9278724)		105	107

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 10, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561197 (9278637)		86
E6562607 (9278647)		90
E6562617 (9278657)		87
E6562627 (9278667)		87
E6562637 (9278677)		83
E6562647 (9278687)		87
E6562655 (9278695)		86
E6562661 (9278701)		83
E6562667 (9278707)		81
E6562668 (9278708)		83
E6562677 (9278717)		84

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9278637	1	< 1		9278648	< 1	< 1	0.0%	9278660	< 1	< 1	0.0%	9278662	< 1	< 1	0.0%
Al	9278637	7.73	7.67	0.8%	9278648	7.56	7.57	0.1%	9278660	7.36	7.45	1.2%	9278662	7.15	7.22	1.0%
As	9278637	25	25	0.0%	9278648	10	10	0.0%	9278660	46	41	11.5%	9278662	13	13	0.0%
B	9278637	< 20	< 20	0.0%	9278648	< 20	< 20	0.0%	9278660	< 20	< 20	0.0%	9278662	< 20	< 20	0.0%
Ba	9278637	156	164	5.0%	9278648	101	99.4	1.6%	9278660	85.1	85.0	0.1%	9278662	64.0	63.6	0.6%
Be	9278637	< 5	< 5	0.0%	9278648	< 5	< 5	0.0%	9278660	< 5	< 5	0.0%	9278662	< 5	< 5	0.0%
Bi	9278637	1.77	1.69	4.6%	9278648	0.4	0.4	0.0%	9278660	1.0	1.0	0.0%	9278662	0.2	0.2	0.0%
Ca	9278637	7.81	7.36	5.9%	9278648	6.87	6.85	0.3%	9278660	5.61	5.68	1.2%	9278662	5.70	5.75	0.9%
Cd	9278637	0.7	0.7	0.0%	9278648	< 0.2	< 0.2	0.0%	9278660	< 0.2	< 0.2	0.0%	9278662	< 0.2	< 0.2	0.0%
Ce	9278637	14.4	14.5	0.7%	9278648	16.8	17.0	1.2%	9278660	20.1	20.7	2.9%	9278662	15.2	15.6	2.6%
Co	9278637	61.3	65.0	5.9%	9278648	45.1	45.6	1.1%	9278660	47.8	47.0	1.7%	9278662	51.2	50.8	0.8%
Cr	9278637	0.027	0.027	0.0%	9278648	0.0096	0.0094	2.1%	9278660	0.009	0.009	0.0%	9278662	0.009	0.009	0.0%
Cs	9278637	0.58	0.77	28.1%	9278648	1.3	1.3	0.0%	9278660	0.9	0.9	0.0%	9278662	0.9	0.9	0.0%
Cu	9278637	503	518	2.9%	9278648	96	94	2.1%	9278660	269	278	3.3%	9278662	135	128	5.3%
Dy	9278637	4.29	4.27	0.5%	9278648	5.44	5.54	1.8%	9278660	5.27	5.48	3.9%	9278662	5.08	5.38	5.7%
Er	9278637	2.72	2.69	1.1%	9278648	3.48	3.54	1.7%	9278660	3.38	3.37	0.3%	9278662	3.28	3.43	4.5%
Eu	9278637	0.950	0.985	3.6%	9278648	1.30	1.37	5.2%	9278660	1.25	1.33	6.2%	9278662	1.05	1.12	6.5%
Fe	9278637	11.0	10.9	0.9%	9278648	10.7	10.6	0.9%	9278660	10.9	11.1	1.8%	9278662	10.1	10.1	0.0%
Ga	9278637	17.4	18.1	3.9%	9278648	19.1	19.1	0.0%	9278660	19.9	19.9	0.0%	9278662	18.3	18.5	1.1%
Gd	9278637	3.77	3.68	2.4%	9278648	4.82	4.91	1.8%	9278660	4.62	4.78	3.4%	9278662	4.54	4.68	3.0%
Ge	9278637	2	2	0.0%	9278648	2	2	0.0%	9278660	2	2	0.0%	9278662	2	2	0.0%
Hf	9278637	2	2	0.0%	9278648	3	3	0.0%	9278660	3	3	0.0%	9278662	2	3	
Ho	9278637	0.881	0.906	2.8%	9278648	1.14	1.15	0.9%	9278660	1.12	1.12	0.0%	9278662	1.11	1.13	1.8%
In	9278637	< 0.2	< 0.2	0.0%	9278648	< 0.2	< 0.2	0.0%	9278660	< 0.2	< 0.2	0.0%	9278662	< 0.2	< 0.2	0.0%
K	9278637	0.651	0.678	4.1%	9278648	0.593	0.615	3.6%	9278660	0.49	0.50	2.0%	9278662	0.306	0.302	1.3%
La	9278637	7.20	7.26	0.8%	9278648	7.1	7.2	1.4%	9278660	9.52	9.66	1.5%	9278662	6.2	6.4	3.2%
Li	9278637	14	17	19.4%	9278648	16	15	6.5%	9278660	18	20	10.5%	9278662	12	13	8.0%
Lu	9278637	0.39	0.40	2.5%	9278648	0.50	0.53	5.8%	9278660	0.51	0.51	0.0%	9278662	0.502	0.515	2.6%
Mg	9278637	3.76	3.78	0.5%	9278648	3.78	3.70	2.1%	9278660	3.90	4.00	2.5%	9278662	3.65	3.64	0.3%
Mn	9278637	1980	1980	0.0%	9278648	1820	1780	2.2%	9278660	1770	1820	2.8%	9278662	1980	1990	0.5%
Mo	9278637	10	9	10.5%	9278648	3	3	0.0%	9278660	2	2	0.0%	9278662	< 2	< 2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9278637	3	3	0.0%	9278648	4	4	0.0%	9278660	4	4	0.0%	9278662	4	4	0.0%
Nd	9278637	9.8	9.8	0.0%	9278648	12.3	12.5	1.6%	9278660	12.8	13.1	2.3%	9278662	11.3	11.6	2.6%
Ni	9278637	113	112	0.9%	9278648	57	53	7.3%	9278660	59	57	3.4%	9278662	65	51	24.1%
P	9278637	0.04	0.04	0.0%	9278648	0.06	0.06	0.0%	9278660	0.053	0.055	3.7%	9278662	0.05	0.05	0.0%
Pb	9278637	70	81	14.6%	9278648	7	7	0.0%	9278660	32	33	3.1%	9278662	6	5	18.2%
Pr	9278637	2.11	2.12	0.5%	9278648	2.55	2.59	1.6%	9278660	2.92	2.96	1.4%	9278662	2.33	2.37	1.7%
Rb	9278637	20.7	23.2	11.4%	9278648	23.5	23.6	0.4%	9278660	16.6	16.9	1.8%	9278662	11.7	11.7	0.0%
S	9278637	0.78	0.79	1.3%	9278648	0.190	0.183	3.8%	9278660	0.25	0.25	0.0%	9278662	0.20	0.19	5.1%
Sb	9278637	1.30	1.22	6.3%	9278648	0.39	0.47	18.6%	9278660	0.74	0.77	4.0%	9278662	0.45	0.47	4.3%
Sc	9278637	40	39	2.5%	9278648	43	42	2.4%	9278660	41	43	4.8%	9278662	41	42	2.4%
Si	9278637	22.5	22.2	1.3%	9278648	22.7	22.7	0.0%	9278660	21.4	21.7	1.4%	9278662	22.7	22.9	0.9%
Sm	9278637	2.86	2.77	3.2%	9278648	3.6	3.6	0.0%	9278660	3.61	3.53	2.2%	9278662	3.5	3.5	0.0%
Sn	9278637	< 1	< 1	0.0%	9278648	< 1	< 1	0.0%	9278660	< 1	< 1	0.0%	9278662	1	< 1	
Sr	9278637	159	154	3.2%	9278648	228	228	0.0%	9278660	132	140	5.9%	9278662	157	161	2.5%
Ta	9278637	< 0.5	< 0.5	0.0%	9278648	< 0.5	< 0.5	0.0%	9278660	< 0.5	< 0.5	0.0%	9278662	< 0.5	< 0.5	0.0%
Tb	9278637	0.65	0.64	1.6%	9278648	0.81	0.88	8.3%	9278660	0.82	0.84	2.4%	9278662	0.791	0.816	3.1%
Th	9278637	0.4	0.4	0.0%	9278648	0.7	0.7	0.0%	9278660	0.64	0.66	3.1%	9278662	0.7	0.7	0.0%
Ti	9278637	0.66	0.66	0.0%	9278648	0.80	0.80	0.0%	9278660	0.750	0.759	1.2%	9278662	0.75	0.75	0.0%
Tl	9278637	< 0.5	< 0.5	0.0%	9278648	< 0.5	< 0.5	0.0%	9278660	< 0.5	< 0.5	0.0%	9278662	< 0.5	< 0.5	0.0%
Tm	9278637	0.37	0.38	2.7%	9278648	0.503	0.532	5.6%	9278660	0.49	0.51	4.0%	9278662	0.48	0.48	0.0%
U	9278637	0.196	0.184	6.3%	9278648	0.215	0.222	3.2%	9278660	0.302	0.293	3.0%	9278662	0.19	0.20	5.1%
V	9278637	275	278	1.1%	9278648	329	318	3.4%	9278660	318	325	2.2%	9278662	308	310	0.6%
W	9278637	1	2		9278648	1	2		9278660	1	1	0.0%	9278662	< 1	< 1	0.0%
Y	9278637	22.9	22.7	0.9%	9278648	30.0	30.9	3.0%	9278660	29.5	29.5	0.0%	9278662	28.8	29.2	1.4%
Yb	9278637	2.7	2.7	0.0%	9278648	3.43	3.49	1.7%	9278660	3.38	3.34	1.2%	9278662	3.2	3.2	0.0%
Zn	9278637	281	283	0.7%	9278648	102	96	6.1%	9278660	109	111	1.8%	9278662	104	102	1.9%
Zr	9278637	62.8	63.8	1.6%	9278648	90.8	91.1	0.3%	9278660	86.8	87.2	0.5%	9278662	87.5	90.0	2.8%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9278672	< 1	< 1	0.0%	9278684	< 1	< 1	0.0%	9278687	< 1	< 1	0.0%	9278696	< 1	< 1	0.0%
Al	9278672	0.09	0.09	0.0%	9278684	6.09	6.19	1.6%	9278687	6.64	6.36	4.3%	9278696	7.48	7.45	0.4%
As	9278672	< 5	< 5	0.0%	9278684	9	8	11.8%	9278687	< 5	< 5	0.0%	9278696	< 5	< 5	0.0%
B	9278672	22	20	9.5%	9278684	< 20	< 20	0.0%	9278687	< 20	< 20	0.0%	9278696	< 20	< 20	0.0%
Ba	9278672	14.0	14.4	2.8%	9278684	260	253	2.7%	9278687	77.1	73.5	4.8%	9278696	118	128	8.1%



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Be	9278672	< 5	< 5	0.0%	9278684	< 5	< 5	0.0%	9278687	< 5	< 5	0.0%	9278696	< 5	< 5	0.0%
Bi	9278672	< 0.1	< 0.1	0.0%	9278684	0.3	0.3	0.0%	9278687	1.2	1.1	8.7%	9278696	0.1	0.1	0.0%
Ca	9278672	34.3	34.5	0.6%	9278684	6.64	6.70	0.9%	9278687	5.88	5.66	3.8%	9278696	7.78	7.55	3.0%
Cd	9278672	< 0.2	< 0.2	0.0%	9278684	0.2	0.2	0.0%	9278687	2.4	1.8	28.6%	9278696	< 0.2	< 0.2	0.0%
Ce	9278672	1.0	1.0	0.0%	9278684	25.4	25.7	1.2%	9278687	15.4	15.3	0.7%	9278696	15.6	15.2	2.6%
Co	9278672	1.38	1.23	11.5%	9278684	53.3	52.8	0.9%	9278687	43.9	43.4	1.1%	9278696	55.3	54.9	0.7%
Cr	9278672	< 0.005	< 0.005	0.0%	9278684	0.070	0.068	2.9%	9278687	0.056	0.063	11.8%	9278696	0.0175	0.0191	8.7%
Cs	9278672	< 0.1	< 0.1	0.0%	9278684	2.3	2.4	4.3%	9278687	0.6	0.6	0.0%	9278696	0.44	0.46	4.4%
Cu	9278672	6	6	0.0%	9278684	116	114	1.7%	9278687	123	119	3.3%	9278696	80	89	10.7%
Dy	9278672	0.265	0.246	7.4%	9278684	3.74	3.75	0.3%	9278687	4.34	4.43	2.1%	9278696	5.21	5.17	0.8%
Er	9278672	0.17	0.16	6.1%	9278684	2.27	2.45	7.6%	9278687	2.84	2.55	10.8%	9278696	3.25	3.12	4.1%
Eu	9278672	< 0.05	< 0.05	0.0%	9278684	1.05	1.12	6.5%	9278687	1.03	0.97	6.0%	9278696	1.04	1.05	1.0%
Fe	9278672	0.12	0.11	8.7%	9278684	11.5	11.7	1.7%	9278687	9.88	9.47	4.2%	9278696	10.2	9.86	3.4%
Ga	9278672	0.24	0.22	8.7%	9278684	14.6	14.7	0.7%	9278687	15.4	15.0	2.6%	9278696	18.7	18.7	0.0%
Gd	9278672	0.28	0.29	3.5%	9278684	3.89	4.06	4.3%	9278687	3.87	3.76	2.9%	9278696	4.59	4.42	3.8%
Ge	9278672	1	1	0.0%	9278684	2	2	0.0%	9278687	2	2	0.0%	9278696	2	2	0.0%
Hf	9278672	< 1	< 1	0.0%	9278684	2	2	0.0%	9278687	2	2	0.0%	9278696	2	2	0.0%
Ho	9278672	0.055	0.063	13.6%	9278684	0.766	0.742	3.2%	9278687	0.892	0.931	4.3%	9278696	1.08	1.10	1.8%
In	9278672	< 0.2	< 0.2	0.0%	9278684	< 0.2	< 0.2	0.0%	9278687	< 0.2	< 0.2	0.0%	9278696	< 0.2	< 0.2	0.0%
K	9278672	< 0.05	< 0.05	0.0%	9278684	0.74	0.76	2.7%	9278687	0.34	0.31	9.2%	9278696	0.53	0.53	0.0%
La	9278672	1.2	1.2	0.0%	9278684	11.5	11.8	2.6%	9278687	6.51	6.44	1.1%	9278696	6.34	6.37	0.5%
Li	9278672	< 10	< 10	0.0%	9278684	33	35	5.9%	9278687	22	22	0.0%	9278696	< 10	< 10	0.0%
Lu	9278672	< 0.05	< 0.05	0.0%	9278684	0.35	0.34	2.9%	9278687	0.42	0.39	7.4%	9278696	0.497	0.480	3.5%
Mg	9278672	3.02	2.89	4.4%	9278684	6.27	6.23	0.6%	9278687	6.10	6.11	0.2%	9278696	2.75	2.94	6.7%
Mn	9278672	61	59	3.3%	9278684	2410	2340	2.9%	9278687	1920	1920	0.0%	9278696	1860	2040	9.2%
Mo	9278672	< 2	< 2	0.0%	9278684	< 2	< 2	0.0%	9278687	< 2	< 2	0.0%	9278696	< 2	< 2	0.0%
Nb	9278672	< 1	< 1	0.0%	9278684	3	3	0.0%	9278687	3	3	0.0%	9278696	4	4	0.0%
Nd	9278672	0.9	0.9	0.0%	9278684	14.9	15.5	3.9%	9278687	10.3	10.3	0.0%	9278696	11.3	11.3	0.0%
Ni	9278672	< 5	< 5	0.0%	9278684	176	169	4.1%	9278687	272	226	18.5%	9278696	71	79	10.7%
P	9278672	0.02	0.02	0.0%	9278684	0.12	0.12	0.0%	9278687	0.09	0.09	0.0%	9278696	0.06	0.06	0.0%
Pb	9278672	< 5	< 5	0.0%	9278684	47	48	2.1%	9278687	92	88	4.4%	9278696	6	6	0.0%
Pr	9278672	0.22	0.22	0.0%	9278684	3.50	3.64	3.9%	9278687	2.31	2.24	3.1%	9278696	2.34	2.38	1.7%
Rb	9278672	0.4	0.4	0.0%	9278684	28.9	29.3	1.4%	9278687	10.3	9.53	7.8%	9278696	16.4	16.8	2.4%
S	9278672	< 0.01	< 0.01	0.0%	9278684	0.355	0.322	9.7%	9278687	0.11	0.10	9.5%	9278696	0.06	0.09	



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Sb	9278672	< 0.1	< 0.1	0.0%	9278684	0.6	0.7	15.4%	9278687	0.45	0.39	14.3%	9278696	0.4	0.4	0.0%
Sc	9278672	< 5	< 5	0.0%	9278684	34	33	3.0%	9278687	37	36	2.7%	9278696	43	47	8.9%
Si	9278672	4.17	4.00	4.2%	9278684	20.6	20.8	1.0%	9278687	22.8	22.0	3.6%	9278696	23.1	22.4	3.1%
Sm	9278672	0.2	0.2	0.0%	9278684	3.5	3.5	0.0%	9278687	3.0	3.0	0.0%	9278696	3.34	3.35	0.3%
Sn	9278672	< 1	< 1	0.0%	9278684	< 1	< 1	0.0%	9278687	< 1	< 1	0.0%	9278696	< 1	< 1	0.0%
Sr	9278672	57.7	52.5	9.4%	9278684	269	261	3.0%	9278687	131	131	0.0%	9278696	182	205	11.9%
Ta	9278672	< 0.5	< 0.5	0.0%	9278684	< 0.5	< 0.5	0.0%	9278687	< 0.5	< 0.5	0.0%	9278696	< 0.5	< 0.5	0.0%
Tb	9278672	< 0.05	< 0.05	0.0%	9278684	0.619	0.665	7.2%	9278687	0.67	0.68	1.5%	9278696	0.79	0.78	1.3%
Th	9278672	< 0.1	< 0.1	0.0%	9278684	1.5	1.5	0.0%	9278687	0.9	0.9	0.0%	9278696	0.6	0.6	0.0%
Ti	9278672	< 0.01	< 0.01	0.0%	9278684	0.524	0.532	1.5%	9278687	0.62	0.59	5.0%	9278696	0.75	0.75	0.0%
Tl	9278672	< 0.5	< 0.5	0.0%	9278684	< 0.5	< 0.5	0.0%	9278687	< 0.5	< 0.5	0.0%	9278696	< 0.5	< 0.5	0.0%
Tm	9278672	< 0.05	< 0.05	0.0%	9278684	0.34	0.32	6.1%	9278687	0.40	0.37	7.8%	9278696	0.471	0.477	1.3%
U	9278672	0.16	0.11		9278684	0.450	0.466	3.5%	9278687	0.375	0.371	1.1%	9278696	0.182	0.191	4.8%
V	9278672	< 5	< 5	0.0%	9278684	237	229	3.4%	9278687	255	252	1.2%	9278696	317	348	9.3%
W	9278672	< 1	< 1	0.0%	9278684	1	1	0.0%	9278687	1	1	0.0%	9278696	1	2	
Y	9278672	2.4	2.3	4.3%	9278684	20.1	20.1	0.0%	9278687	24.0	23.1	3.8%	9278696	28.3	28.6	1.1%
Yb	9278672	0.2	0.2	0.0%	9278684	2.29	2.22	3.1%	9278687	2.60	2.55	1.9%	9278696	3.26	3.23	0.9%
Zn	9278672	< 5	< 5	0.0%	9278684	153	154	0.7%	9278687	650	524	21.5%	9278696	95	91	4.3%
Zr	9278672	2.33	2.24	3.9%	9278684	70.8	72.0	1.7%	9278687	73.7	71.1	3.6%	9278696	85.0	83.9	1.3%

Parameter	REPLICATE #9				REPLICATE #10				REPLICATE #11							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9278708	< 1	< 1	0.0%	9278712	< 1	< 1	0.0%	9278720	< 1	< 1	0.0%				
Al	9278708	8.33	8.09	2.9%	9278712	0.07	0.07	0.0%	9278720	4.11	4.58	10.8%				
As	9278708	< 5	< 5	0.0%	9278712	< 5	< 5	0.0%	9278720	20	17	16.2%				
B	9278708	< 20	< 20	0.0%	9278712	< 20	< 20	0.0%	9278720	< 20	< 20	0.0%				
Ba	9278708	79.7	79.6	0.1%	9278712	16.1	14.9	7.7%	9278720	51.8	51.4	0.8%				
Be	9278708	< 5	< 5	0.0%	9278712	< 5	< 5	0.0%	9278720	< 5	< 5	0.0%				
Bi	9278708	0.2	0.2	0.0%	9278712	< 0.1	< 0.1	0.0%	9278720	0.1	0.1	0.0%				
Ca	9278708	6.75	6.56	2.9%	9278712	34.2	34.4	0.6%	9278720	5.68	6.73	16.9%				
Cd	9278708	< 0.2	< 0.2	0.0%	9278712	< 0.2	< 0.2	0.0%	9278720	0.73	0.76	4.0%				
Ce	9278708	16.1	15.4	4.4%	9278712	1.0	1.0	0.0%	9278720	16.1	16.6	3.1%				
Co	9278708	62.3	62.3	0.0%	9278712	1.2	1.2	0.0%	9278720	67.2	67.9	1.0%				
Cr	9278708	0.019	0.019	0.0%	9278712	< 0.005	< 0.005	0.0%	9278720	0.185	0.178	3.9%				
Cs	9278708	2.5	2.5	0.0%	9278712	< 0.1	< 0.1	0.0%	9278720	0.74	0.91	20.6%				



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Cu	9278708	131	129	1.5%	9278712	5	5	0.0%	9278720	38	38	0.0%				
Dy	9278708	5.68	5.52	2.9%	9278712	0.23	0.21	9.1%	9278720	2.45	2.49	1.6%				
Er	9278708	3.62	3.59	0.8%	9278712	0.13	0.16	20.7%	9278720	1.36	1.39	2.2%				
Eu	9278708	1.09	1.05	3.7%	9278712	< 0.05	0.06		9278720	0.71	0.72	1.4%				
Fe	9278708	9.98	9.70	2.8%	9278712	0.11	0.11	0.0%	9278720	8.06	9.50	16.4%				
Ga	9278708	19.9	19.5	2.0%	9278712	0.19	0.18	5.4%	9278720	9.75	9.84	0.9%				
Gd	9278708	4.88	4.82	1.2%	9278712	0.213	0.259	19.5%	9278720	2.82	2.93	3.8%				
Ge	9278708	2	2	0.0%	9278712	1	1	0.0%	9278720	1	1	0.0%				
Hf	9278708	3	3	0.0%	9278712	< 1	< 1	0.0%	9278720	1	1	0.0%				
Ho	9278708	1.22	1.21	0.8%	9278712	0.05	0.05	0.0%	9278720	0.475	0.479	0.8%				
In	9278708	< 0.2	< 0.2	0.0%	9278712	< 0.2	< 0.2	0.0%	9278720	< 0.2	< 0.2	0.0%				
K	9278708	0.55	0.53	3.7%	9278712	< 0.05	< 0.05	0.0%	9278720	0.203	0.222	8.9%				
La	9278708	6.47	6.05	6.7%	9278712	1.2	1.2	0.0%	9278720	6.8	7.1	4.3%				
Li	9278708	13	13	0.0%	9278712	< 10	< 10	0.0%	9278720	20	22	9.5%				
Lu	9278708	0.558	0.510	9.0%	9278712	< 0.05	< 0.05	0.0%	9278720	0.20	0.20	0.0%				
Mg	9278708	2.48	2.44	1.6%	9278712	2.55	2.57	0.8%	9278720	12.5	13.0	3.9%				
Mn	9278708	1780	1740	2.3%	9278712	57	56	1.8%	9278720	1710	1630	4.8%				
Mo	9278708	< 2	< 2	0.0%	9278712	< 2	< 2	0.0%	9278720	< 2	< 2	0.0%				
Nb	9278708	4	4	0.0%	9278712	< 1	< 1	0.0%	9278720	2	2	0.0%				
Nd	9278708	11.8	11.4	3.4%	9278712	0.9	0.9	0.0%	9278720	11.0	11.1	0.9%				
Ni	9278708	82	82	0.0%	9278712	< 5	< 5	0.0%	9278720	805	768	4.7%				
P	9278708	0.05	0.05	0.0%	9278712	0.01	0.01	0.0%	9278720	0.15	0.15	0.0%				
Pb	9278708	6	6	0.0%	9278712	< 5	< 5	0.0%	9278720	17	18	5.7%				
Pr	9278708	2.45	2.37	3.3%	9278712	0.22	0.23	4.4%	9278720	2.38	2.45	2.9%				
Rb	9278708	24.2	23.7	2.1%	9278712	0.3	0.3	0.0%	9278720	6.6	6.8	3.0%				
S	9278708	0.24	0.24	0.0%	9278712	< 0.01	< 0.01	0.0%	9278720	0.14	0.11	24.0%				
Sb	9278708	0.2	0.2	0.0%	9278712	< 0.1	0.1		9278720	1.03	1.12	8.4%				
Sc	9278708	49	48	2.1%	9278712	< 5	< 5	0.0%	9278720	25	24	4.1%				
Si	9278708	23.4	22.8	2.6%	9278712	4.27	4.29	0.5%	9278720	20.0	23.6	16.5%				
Sm	9278708	3.6	3.5	2.8%	9278712	0.2	0.2	0.0%	9278720	2.63	2.71	3.0%				
Sn	9278708	< 1	1		9278712	< 1	< 1	0.0%	9278720	< 1	< 1	0.0%				
Sr	9278708	181	178	1.7%	9278712	53.6	52.4	2.3%	9278720	90.2	83.6	7.6%				
Ta	9278708	< 0.5	< 0.5	0.0%	9278712	< 0.5	< 0.5	0.0%	9278720	< 0.5	< 0.5	0.0%				
Tb	9278708	0.90	0.85	5.7%	9278712	< 0.05	< 0.05	0.0%	9278720	0.42	0.44	4.7%				



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Th	9278708	0.7	0.7	0.0%	9278712	< 0.1	< 0.1	0.0%	9278720	1.1	1.1	0.0%				
Ti	9278708	0.832	0.802	3.7%	9278712	< 0.01	< 0.01	0.0%	9278720	0.32	0.35	9.0%				
Tl	9278708	< 0.5	< 0.5	0.0%	9278712	< 0.5	< 0.5	0.0%	9278720	< 0.5	< 0.5	0.0%				
Tm	9278708	0.512	0.516	0.8%	9278712	< 0.05	< 0.05	0.0%	9278720	0.19	0.21	10.0%				
U	9278708	0.21	0.19	10.0%	9278712	0.11	0.12	8.7%	9278720	0.392	0.417	6.2%				
V	9278708	349	346	0.9%	9278712	< 5	< 5	0.0%	9278720	155	149	3.9%				
W	9278708	1	1	0.0%	9278712	< 1	< 1	0.0%	9278720	1	1	0.0%				
Y	9278708	31.1	30.8	1.0%	9278712	2.27	2.23	1.8%	9278720	13.2	13.4	1.5%				
Yb	9278708	3.6	3.6	0.0%	9278712	0.1	0.1	0.0%	9278720	1.4	1.4	0.0%				
Zn	9278708	97	96	1.0%	9278712	< 5	< 5	0.0%	9278720	316	333	5.2%				
Zr	9278708	93.0	91.7	1.4%	9278712	1.58	1.49	5.9%	9278720	45.7	46.5	1.7%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	6.98	109%	90% - 110%					6.39	6.49	102%	90% - 110%
Al	10.95	11.14	102%	90% - 110%	4.30	4.37	102%	90% - 110%	10.95	11.09	101%	90% - 110%	4.30	4.27	99%	90% - 110%
Ba	340	342	100%	90% - 110%					340	333	98%	90% - 110%				
Be	2.6	2.6	102%	90% - 110%					2.6	2.5	96%	90% - 110%				
Ca	5.72	5.92	103%	90% - 110%	2.21	2.32	105%	90% - 110%	5.72	5.9	103%	90% - 110%	2.21	2.29	104%	90% - 110%
Ce	122	117	96%	90% - 110%					122	122	100%	90% - 110%				
Co	2.8	2.6	93%	90% - 110%	672	684	102%	90% - 110%	2.8	2.5	91%	90% - 110%	672	682	101%	90% - 110%
Cr					0.032	0.034	107%	90% - 110%					0.032	0.033	104%	90% - 110%
Cs	1.5	1.5	101%	90% - 110%					1.5	1.6	109%	90% - 110%				
Cu	7	6	92%	90% - 110%	11850	11557	98%	90% - 110%					11850	11243	95%	90% - 110%
Dy	18.2	19.6	108%	90% - 110%					18.2	19.6	108%	90% - 110%				
Er	14.2	14.8	104%	90% - 110%					14.2	14.6	103%	90% - 110%				
Eu	2.0	2.01	100%	90% - 110%					2.0	1.88	94%	90% - 110%				
Fe	4.34	4.44	102%	90% - 110%	25.54	25.1	98%	90% - 110%	4.34	4.36	100%	90% - 110%	25.54	24.21	95%	90% - 110%
Ga	35	35	101%	90% - 110%					35	35	101%	90% - 110%				
Gd	14	15	109%	90% - 110%					14	15	108%	90% - 110%				
Hf	10.6	10.7	101%	90% - 110%					10.6	11.2	105%	90% - 110%				
Ho	4.3	4.5	104%	90% - 110%					4.3	4.5	104%	90% - 110%				
K	1.37	1.42	104%	90% - 110%					1.37	1.44	105%	90% - 110%				
La	58	58	100%	90% - 110%					58	60	104%	90% - 110%				
Li	37	39	106%	90% - 110%					37	40	107%	90% - 110%				
Lu	2.1	2.2	102%	90% - 110%					2.1	2.1	99%	90% - 110%				
Mg	0.325	0.322	99%	90% - 110%	1.79	1.82	102%	90% - 110%	0.325	0.321	99%	90% - 110%	1.79	1.78	99%	90% - 110%
Mn	836	834	100%	90% - 110%	703	678	96%	90% - 110%	836	798	95%	90% - 110%	703	653	93%	90% - 110%
Nb	13	13	99%	90% - 110%					13	13	101%	90% - 110%				
Nd	57	58	101%	90% - 110%					57	58	102%	90% - 110%				
Ni	9	10	108%	90% - 110%	19530	18646	95%	90% - 110%	9	8	89%	90% - 110%	19530	18531	95%	90% - 110%
Pb	10	11	107%	90% - 110%	58	63	109%	90% - 110%	10	10	102%	90% - 110%	58	60	103%	90% - 110%
Pr	15.0	15.1	101%	90% - 110%					15.0	15.5	103%	90% - 110%				
Rb	55	53	97%	90% - 110%					55	53	97%	90% - 110%				
S					14.14	13.72	97%	90% - 110%					14.14	13.36	94%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	23.3	23.3	100%	90% - 110%	15.23	15.03	99%	90% - 110%	23.3	23	99%	90% - 110%	15.23	14.73	97%	90% - 110%
Sm	12.7	12.9	102%	90% - 110%					12.7	12.8	101%	90% - 110%				
Sn	7.1	7.4	105%	90% - 110%					7.1	7.2	102%	90% - 110%				
Sr	1191	1270	107%	90% - 110%					1191	1256	105%	90% - 110%				
Ta	0.9	0.8	90%	90% - 110%					0.9	0.8	87%	90% - 110%				
Tb	2.6	2.8	109%	90% - 110%					2.6	2.8	106%	90% - 110%				
Th	1.4	1.2	85%	90% - 110%					1.4	1.2	89%	90% - 110%				
Ti	0.172	0.172	100%	90% - 110%					0.172	0.171	99%	90% - 110%				
Tm	2.3	2.3	100%	90% - 110%					2.3	2.3	98%	90% - 110%				
U	0.8	0.8	102%	90% - 110%					0.8	0.9	107%	90% - 110%				
V	8	8	96%	90% - 110%					8	7	86%	90% - 110%				
Y	119	115	96%	90% - 110%					119	116	97%	90% - 110%				
Yb	14.8	15.3	104%	90% - 110%					14.8	14.9	101%	90% - 110%				
Zn	93	91	98%	90% - 110%	235	259	110%	90% - 110%	93	90.0	97%	90% - 110%	235	250	106%	90% - 110%
Zr	517	549	106%	90% - 110%					517	568	110%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Ag					6.39	6.36	99%	90% - 110%								
Al	10.95	10.74	98%	90% - 110%	4.30	4.36	101%	90% - 110%								
Ba	340	339	100%	90% - 110%												
Be	2.6	2.9	110%	90% - 110%												
Ca	5.72	5.83	102%	90% - 110%	2.21	2.41	109%	90% - 110%								
Ce	122	128	105%	90% - 110%												
Co	2.8	2.8	101%	90% - 110%	672	683	102%	90% - 110%								
Cr					0.032	0.034	106%	90% - 110%								
Cs	1.5	1.6	109%	90% - 110%												
Cu					11850	11313	95%	90% - 110%								
Dy	18.2	19	104%	90% - 110%												
Er	14.2	14.6	103%	90% - 110%												
Eu	2.0	2.06	103%	90% - 110%												
Fe	4.34	4.29	99%	90% - 110%	25.54	25.53	100%	90% - 110%								
Ga	35	38	108%	90% - 110%												
Gd	14	15.1	108%	90% - 110%												
Hf	10.6	11.3	107%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Ho	4.3	4.3	100%	90% - 110%																
K	1.37	1.37	100%	90% - 110%																
La	58	63	108%	90% - 110%																
Li	37	38	103%	90% - 110%																
Lu	2.1	2.1	101%	90% - 110%																
Mg	0.325	0.32	98%	90% - 110%	1.79	1.86	104%	90% - 110%												
Mn	836	797	95%	90% - 110%	703	660	94%	90% - 110%												
Nb	13	14	110%	90% - 110%																
Nd	57	63	110%	90% - 110%																
Ni	9	7	80%	90% - 110%	19530	18548	95%	90% - 110%												
Pb	10	10	100%	90% - 110%	58	57	98%	90% - 110%												
Pr	15.0	16.4	109%	90% - 110%																
Rb	55	58	106%	90% - 110%																
S					14.14	13.61	96%	90% - 110%												
Sc	1.1	0.8	70%	90% - 110%																
Si	23.3	22.4	96%	90% - 110%	15.23	15.11	99%	90% - 110%												
Sm	12.7	13.8	109%	90% - 110%																
Sn	7.1	7.8	110%	90% - 110%																
Sr	1191	1264	106%	90% - 110%																
Ta	0.9	0.8	94%	90% - 110%																
Tb	2.6	2.8	107%	90% - 110%																
Th	1.4	1.3	90%	90% - 110%																
Ti	0.172	0.167	97%	90% - 110%																
Tm	2.3	2.5	108%	90% - 110%																
U	0.8	0.9	109%	90% - 110%																
V	8	7	91%	90% - 110%																
Y	119	128	108%	90% - 110%																
Yb	14.8	15.2	103%	90% - 110%																
Zn	93	89	95%	90% - 110%	235	253	108%	90% - 110%												
Zr	517	653	126%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-132A
 SAMPLING SITE:

AGAT WORK ORDER: 18T344089
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T344089

PROJECT: DDH-132A

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-132B

AGAT WORK ORDER: 18T344090

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 11, 2018

PAGES (INCLUDING COVER): 31

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6562685 (9278725)		1.77
E6562686 (9278726)		0.01
E6562687 (9278727)		0.84
E6562688 (9278728)		1.27
E6562689 (9278729)		1.50
E6562690 (9278730)		2.53
E6562691 (9278731)		2.66
E6562692 (9278732)		1.25
E6562693 (9278733)		3.33
E6562694 (9278734)		3.21
E6562695 (9278735)		2.45
E6562696 (9278736)		2.49
E6562697 (9278737)		2.28
E6562698 (9278738)		2.28
E6562699 (9278739)		2.43
E6562700 (9278740)		3.48
E6562701 (9278741)		3.20
E6562702 (9278742)		2.73
E6562703 (9278743)		2.97
E6562704 (9278744)		2.30
E6562705 (9278745)		2.31
E6562706 (9278746)		0.01
E6562707 (9278747)		2.67
E6562708 (9278748)		2.72
E6562709 (9278749)		1.72
E6562710 (9278750)		1.06
E6562711 (9278751)		1.39
E6562712 (9278752)		1.36
E6562713 (9278753)		2.08
E6562714 (9278754)		1.79
E6562715 (9278755)		2.11

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 28, 2018 DATE RECEIVED: May 29, 2018 DATE REPORTED: Jul 11, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6562716 (9278756)		1.58
E6562717 (9278757)		0.74
E6562718 (9278758)		0.51
E6562719 (9278759)		1.35
E6562720 (9278760)		2.31
E6562721 (9278761)		2.51
E6562722 (9278762)		2.37
E6562723 (9278763)		2.53
E6562724 (9278764)		2.31
E6562725 (9278765)		2.16
E6562726 (9278766)		0.01
E6562727 (9278767)		2.54
E6562728 (9278768)		2.20
E6562729 (9278769)		2.30
E6562730 (9278770)		2.38
E6562731 (9278771)		2.44
E6562732 (9278772)		1.34
E6562733 (9278773)		2.33
E6562734 (9278774)		2.48
E6562735 (9278775)		2.46
E6562736 (9278776)		2.31
E6562737 (9278777)		2.37
E6562738 (9278778)		1.23
E6562739 (9278779)		2.38
E6562740 (9278780)		2.26
E6562741 (9278781)		2.55
E6562742 (9278782)		2.48
E6562743 (9278783)		2.19
E6562744 (9278784)		2.01
E6562745 (9278785)		2.41
E6562746 (9278786)		0.01

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6562747 (9278787)		2.16
E6562748 (9278788)		2.34
E6562749 (9278789)		2.64
E6562750 (9278790)		2.53
E6562751 (9278791)		2.41
E6562752 (9278792)		2.40
E6562753 (9278793)		2.36
E6562754 (9278794)		2.45
E6562755 (9278795)		2.76
E6562756 (9278796)		2.17
E6562757 (9278797)		0.91
E6562758 (9278798)		0.44
E6562759 (9278799)		1.57
E6562760 (9278800)		2.48
E6562761 (9278801)		2.46
E6562762 (9278802)		2.75
E6562763 (9278803)		2.40
E6562764 (9278804)		2.49
E6562765 (9278805)		2.65
E6562766 (9278806)		0.01
E6562767 (9278807)		2.54
E6562768 (9278808)		2.47

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018	DATE RECEIVED: May 29, 2018					DATE REPORTED: Jul 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6562685 (9278725)	<1	8.60	41	<20	393	<5	0.6	1.46	<0.2	24.4	78.9	0.034	1.0	413	
E6562686 (9278726)	<1	4.86	565	111	180	<5	8.5	4.53	<0.2	77.6	1030	0.006	2.7	3090	
E6562687 (9278727)	<1	8.13	341	30	293	<5	3.6	2.37	0.2	19.2	91.4	0.179	0.9	224	
E6562688 (9278728)	<1	5.26	634	<20	29.6	<5	0.5	4.33	<0.2	24.2	112	0.260	0.9	30	
E6562689 (9278729)	<1	3.83	558	<20	6.2	<5	0.3	5.49	<0.2	16.4	105	0.215	0.6	13	
E6562690 (9278730)	<1	7.94	31	<20	303	<5	0.3	5.99	<0.2	12.7	73.8	0.032	0.7	104	
E6562691 (9278731)	<1	7.91	12	<20	259	<5	<0.1	6.83	<0.2	12.6	56.7	0.030	0.6	84	
E6562692 (9278732)	<1	0.08	<5	<20	13.3	<5	<0.1	33.5	<0.2	1.2	1.4	<0.005	<0.1	8	
E6562693 (9278733)	<1	8.03	<5	<20	272	<5	0.1	6.78	<0.2	12.6	55.5	0.027	0.7	56	
E6562694 (9278734)	<1	7.83	5	23	223	<5	0.3	5.63	<0.2	14.4	52.6	0.024	0.7	123	
E6562695 (9278735)	<1	8.52	<5	<20	414	<5	<0.1	4.14	<0.2	26.5	30.7	0.007	0.7	61	
E6562696 (9278736)	<1	8.17	<5	20	309	<5	<0.1	6.02	<0.2	19.3	45.0	0.019	0.6	70	
E6562697 (9278737)	<1	8.27	<5	<20	256	<5	<0.1	7.03	<0.2	12.6	56.7	0.030	0.9	104	
E6562698 (9278738)	<1	8.07	<5	<20	253	<5	0.1	7.00	<0.2	12.7	57.4	0.029	0.9	101	
E6562699 (9278739)	<1	7.99	<5	<20	152	<5	0.2	7.04	<0.2	12.9	60.4	0.028	1.4	104	
E6562700 (9278740)	<1	8.01	<5	28	123	<5	0.2	5.45	<0.2	11.0	62.4	0.027	1.7	64	
E6562701 (9278741)	<1	7.65	<5	<20	168	<5	<0.1	5.97	<0.2	11.0	50.3	0.026	2.4	73	
E6562702 (9278742)	<1	7.25	<5	<20	185	<5	0.2	6.55	<0.2	16.3	55.1	0.012	1.1	99	
E6562703 (9278743)	<1	7.45	<5	<20	152	<5	0.1	7.53	<0.2	16.5	47.7	0.013	1.5	73	
E6562704 (9278744)	<1	7.59	<5	<20	236	<5	0.2	7.91	<0.2	18.2	49.8	0.010	1.3	95	
E6562705 (9278745)	<1	7.65	<5	<20	195	<5	0.1	7.84	<0.2	18.9	49.4	0.010	2.1	61	
E6562706 (9278746)	<1	4.75	568	106	177	<5	8.7	4.45	<0.2	77.9	1040	0.006	2.7	2990	
E6562707 (9278747)	<1	7.68	<5	<20	212	<5	0.2	7.19	<0.2	17.9	50.5	0.009	3.3	89	
E6562708 (9278748)	<1	7.48	9	<20	229	<5	0.3	5.81	<0.2	17.6	48.2	0.009	2.6	107	
E6562709 (9278749)	<1	6.60	19	<20	90.9	<5	<0.1	5.10	<0.2	54.6	43.2	0.037	0.9	54	
E6562710 (9278750)	<1	5.33	12	<20	133	<5	<0.1	6.09	0.5	53.5	44.6	0.062	0.6	201	
E6562711 (9278751)	<1	7.84	30	<20	485	<5	0.4	5.58	<0.2	16.8	88.6	0.029	0.9	286	
E6562712 (9278752)	<1	0.08	<5	<20	12.0	<5	<0.1	36.2	<0.2	1.1	1.2	<0.005	<0.1	7	
E6562713 (9278753)	<1	6.20	8	<20	312	<5	<0.1	5.69	<0.2	57.1	48.6	0.042	0.6	46	
E6562714 (9278754)	<1	6.05	7	<20	217	<5	0.1	5.36	<0.2	61.7	43.8	0.043	0.6	61	
E6562715 (9278755)	<1	7.74	8	<20	444	<5	0.2	6.86	<0.2	15.6	44.1	0.026	1.5	108	
E6562716 (9278756)	<1	7.28	18	<20	287	<5	0.1	5.08	<0.2	17.4	44.0	0.025	0.8	104	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6562717 (9278757)	<1	6.95	7	<20	94.6	<5	0.6	4.71	<0.2	15.1	29.7	0.023	0.5	636	
E6562718 (9278758)	<1	6.78	7	<20	129	<5	0.5	5.47	<0.2	20.2	35.2	0.025	0.5	402	
E6562719 (9278759)	<1	7.08	8	<20	227	<5	0.1	6.10	<0.2	26.5	42.2	0.033	0.6	23	
E6562720 (9278760)	<1	8.09	7	<20	373	<5	0.2	8.48	0.2	14.4	48.7	0.027	0.8	50	
E6562721 (9278761)	<1	7.96	<5	<20	301	<5	0.1	8.06	<0.2	12.0	52.5	0.026	1.6	81	
E6562722 (9278762)	<1	7.87	<5	<20	151	<5	0.1	8.54	<0.2	12.4	65.0	0.029	1.0	151	
E6562723 (9278763)	<1	7.91	<5	22	167	<5	0.1	8.77	<0.2	12.2	58.9	0.027	1.0	89	
E6562724 (9278764)	<1	8.04	<5	<20	121	<5	0.2	6.98	<0.2	12.3	66.4	0.030	2.4	177	
E6562725 (9278765)	<1	7.84	<5	22	414	<5	0.1	7.72	<0.2	17.0	53.8	0.029	0.7	69	
E6562726 (9278766)	<1	4.78	574	101	170	<5	8.4	4.27	<0.2	76.9	1010	0.006	2.6	2980	
E6562727 (9278767)	<1	8.15	<5	22	225	<5	0.1	8.71	<0.2	12.9	52.3	0.029	2.0	63	
E6562728 (9278768)	<1	7.67	<5	<20	196	<5	0.1	6.45	<0.2	11.6	48.7	0.026	3.5	79	
E6562729 (9278769)	<1	7.94	<5	<20	160	<5	0.2	6.25	0.7	10.6	58.3	0.027	6.3	125	
E6562730 (9278770)	<1	7.55	<5	<20	127	<5	0.2	10.0	<0.2	13.0	62.8	0.027	0.6	102	
E6562731 (9278771)	<1	7.61	<5	<20	152	<5	0.3	9.95	<0.2	13.1	60.3	0.028	1.8	89	
E6562732 (9278772)	<1	0.07	<5	<20	28.9	<5	<0.1	36.3	<0.2	1.1	1.3	<0.005	0.2	6	
E6562733 (9278773)	<1	8.12	<5	<20	191	<5	0.1	8.77	<0.2	13.4	53.7	0.025	3.4	85	
E6562734 (9278774)	<1	7.94	<5	<20	151	<5	0.1	7.53	<0.2	12.8	57.8	0.023	4.3	148	
E6562735 (9278775)	<1	7.81	<5	<20	133	<5	0.2	7.83	<0.2	13.3	63.5	0.024	2.6	112	
E6562736 (9278776)	<1	8.22	<5	<20	137	<5	<0.1	7.18	<0.2	13.1	49.3	0.024	3.1	54	
E6562737 (9278777)	<1	7.05	<5	<20	113	<5	0.2	7.76	<0.2	13.0	59.1	0.021	3.3	326	
E6562738 (9278778)	<1	6.83	<5	<20	112	<5	0.3	7.70	<0.2	13.2	59.9	0.019	3.4	355	
E6562739 (9278779)	<1	7.98	<5	<20	140	<5	0.1	7.95	<0.2	13.6	51.2	0.025	1.5	68	
E6562740 (9278780)	<1	8.18	<5	<20	149	<5	0.1	7.12	<0.2	13.2	51.2	0.023	4.0	67	
E6562741 (9278781)	<1	8.28	<5	<20	173	<5	0.1	7.20	<0.2	13.8	50.7	0.025	1.6	109	
E6562742 (9278782)	<1	7.59	<5	<20	170	<5	0.3	6.57	<0.2	14.1	48.4	0.021	3.2	79	
E6562743 (9278783)	<1	7.53	<5	24	388	<5	0.2	7.61	<0.2	12.6	41.9	0.022	2.3	132	
E6562744 (9278784)	<1	8.00	<5	<20	348	<5	0.3	7.92	<0.2	12.3	44.6	0.022	3.6	99	
E6562745 (9278785)	<1	7.72	<5	<20	258	<5	0.3	8.02	<0.2	11.4	54.5	0.027	4.1	67	
E6562746 (9278786)	<1	4.74	562	107	174	<5	8.7	4.33	0.3	76.5	1050	0.006	2.7	2960	
E6562747 (9278787)	<1	8.84	<5	<20	423	<5	0.1	5.89	<0.2	12.1	60.4	0.029	8.1	81	
E6562748 (9278788)	<1	7.98	<5	<20	293	<5	0.1	6.19	<0.2	12.0	61.5	0.027	8.7	107	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6562749 (9278789)	<1	8.64	<5	<20	245	<5	0.1	6.93	<0.2	13.2	51.8	0.023	7.1	61	
E6562750 (9278790)	<1	8.06	<5	<20	206	<5	<0.1	5.73	<0.2	12.7	50.8	0.023	5.2	79	
E6562751 (9278791)	<1	7.64	<5	<20	207	<5	0.3	6.41	<0.2	13.4	50.9	0.022	2.3	126	
E6562752 (9278792)	<1	8.05	<5	<20	189	<5	0.1	7.30	<0.2	12.7	47.7	0.024	2.7	79	
E6562753 (9278793)	<1	8.31	<5	<20	191	<5	<0.1	6.99	<0.2	13.2	51.5	0.023	3.7	91	
E6562754 (9278794)	<1	7.86	<5	22	234	<5	0.1	6.59	<0.2	13.2	49.0	0.026	3.0	59	
E6562755 (9278795)	<1	8.34	22	<20	157	<5	0.2	5.65	<0.2	13.2	43.3	0.023	2.5	83	
E6562756 (9278796)	<1	7.53	70	<20	171	<5	0.8	6.33	1.3	17.9	56.8	0.023	3.4	212	
E6562757 (9278797)	3	7.84	2110	<20	32.8	<5	9.0	5.74	<0.2	29.4	242	0.020	0.5	206	
E6562758 (9278798)	6	7.82	4670	<20	37.6	<5	17.5	5.85	<0.2	42.6	511	0.019	0.5	163	
E6562759 (9278799)	<1	7.56	115	<20	193	<5	1.2	6.58	0.2	15.1	57.1	0.020	5.5	204	
E6562760 (9278800)	<1	7.99	10	<20	226	<5	0.6	6.86	<0.2	14.5	58.4	0.024	4.2	102	
E6562761 (9278801)	<1	8.06	8	<20	330	<5	0.2	6.87	0.3	13.0	52.1	0.024	2.4	72	
E6562762 (9278802)	<1	7.61	<5	<20	243	<5	0.2	7.81	<0.2	14.0	45.9	0.021	3.3	143	
E6562763 (9278803)	<1	8.33	<5	21	318	<5	0.2	6.71	<0.2	13.1	47.4	0.023	2.2	59	
E6562764 (9278804)	<1	8.08	25	<20	281	<5	0.3	6.80	<0.2	12.8	50.1	0.022	1.7	143	
E6562765 (9278805)	<1	7.87	<5	<20	301	<5	0.2	7.29	<0.2	13.7	45.8	0.023	1.8	67	
E6562766 (9278806)	<1	4.87	571	103	174	<5	8.6	4.44	<0.2	76.8	996	0.006	2.7	2950	
E6562767 (9278807)	<1	8.27	<5	<20	263	<5	0.2	7.42	<0.2	12.6	47.1	0.023	4.4	72	
E6562768 (9278808)	<1	8.30	<5	<20	486	<5	0.2	6.32	<0.2	14.4	48.4	0.024	3.8	69	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6562685 (9278725)	4.05	2.75	1.15	10.0	19.5	3.65	1	3	0.96	<0.2	2.23	10.7	67	0.39
E6562686 (9278726)	3.11	2.07	0.96	3.44	12.4	4.20	2	5	0.71	0.2	3.35	38.9	<10	0.30
E6562687 (9278727)	1.53	1.13	0.61	10.1	19.9	1.99	2	1	0.41	<0.2	1.04	8.1	142	0.13
E6562688 (9278728)	2.78	1.61	0.90	9.93	18.4	3.30	2	2	0.61	<0.2	0.17	10.2	75	0.22
E6562689 (9278729)	2.15	1.37	0.65	8.19	12.0	2.67	2	1	0.47	<0.2	<0.05	6.5	29	0.18
E6562690 (9278730)	4.15	2.93	1.03	8.98	19.5	3.58	2	2	1.00	<0.2	0.85	5.1	22	0.46
E6562691 (9278731)	3.90	2.80	0.95	8.38	19.4	3.41	2	2	0.91	<0.2	0.79	5.0	13	0.40
E6562692 (9278732)	0.22	0.17	<0.05	0.13	0.27	0.22	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05
E6562693 (9278733)	4.02	2.93	1.05	8.76	19.8	3.63	2	2	0.94	<0.2	0.96	5.1	18	0.42
E6562694 (9278734)	3.84	2.58	1.02	8.51	18.2	3.57	2	2	0.93	<0.2	0.93	6.0	18	0.39
E6562695 (9278735)	2.89	1.97	0.89	6.23	19.2	3.16	1	3	0.65	<0.2	1.44	12.5	14	0.28
E6562696 (9278736)	3.58	2.48	0.96	7.94	18.9	3.54	2	2	0.82	<0.2	1.07	8.5	13	0.37
E6562697 (9278737)	4.04	2.84	0.99	8.87	19.6	3.46	2	2	0.99	<0.2	0.96	5.1	14	0.42
E6562698 (9278738)	3.97	2.78	0.97	8.77	20.2	3.47	2	2	0.95	<0.2	0.92	5.0	13	0.43
E6562699 (9278739)	4.12	3.01	0.97	9.34	20.3	3.72	2	2	1.02	<0.2	0.77	5.0	16	0.45
E6562700 (9278740)	3.73	2.67	0.90	9.03	18.6	3.21	1	2	0.90	<0.2	0.61	4.1	20	0.41
E6562701 (9278741)	3.91	2.60	0.85	9.05	18.8	3.21	2	2	0.91	<0.2	0.74	4.3	22	0.40
E6562702 (9278742)	4.66	3.24	1.10	9.25	19.1	4.28	2	3	1.05	<0.2	0.83	6.4	15	0.48
E6562703 (9278743)	4.91	3.44	1.10	8.73	19.0	4.40	2	3	1.16	<0.2	0.70	6.4	10	0.51
E6562704 (9278744)	5.23	3.62	1.20	10.3	19.9	4.67	2	3	1.22	<0.2	0.84	7.2	12	0.55
E6562705 (9278745)	5.29	3.72	1.21	9.81	19.5	4.72	2	3	1.25	<0.2	0.80	7.5	13	0.56
E6562706 (9278746)	3.08	2.05	1.02	3.38	12.4	4.52	2	5	0.72	0.2	3.28	38.9	<10	0.30
E6562707 (9278747)	4.99	3.62	1.14	9.83	19.9	4.57	2	3	1.23	<0.2	0.98	7.2	19	0.51
E6562708 (9278748)	4.92	3.56	1.20	9.38	19.1	4.56	2	3	1.21	<0.2	0.81	6.9	22	0.53
E6562709 (9278749)	4.64	2.83	2.18	9.90	20.1	6.45	1	4	1.02	<0.2	0.28	23.4	32	0.38
E6562710 (9278750)	3.65	1.81	1.90	8.98	15.6	5.96	2	3	0.70	<0.2	0.71	22.5	26	0.24
E6562711 (9278751)	4.08	3.05	1.22	8.99	18.2	3.81	2	2	0.95	<0.2	1.16	7.3	19	0.43
E6562712 (9278752)	0.23	0.20	<0.05	0.11	0.20	0.26	1	<1	0.06	<0.2	<0.05	1.4	<10	<0.05
E6562713 (9278753)	3.99	2.17	1.99	8.22	17.3	6.47	2	4	0.83	<0.2	0.60	24.4	30	0.28
E6562714 (9278754)	3.97	2.26	2.12	7.98	16.9	6.99	2	4	0.78	<0.2	0.43	26.6	29	0.26
E6562715 (9278755)	3.68	2.62	1.08	9.64	18.6	3.40	2	2	0.90	<0.2	1.00	6.7	30	0.40
E6562716 (9278756)	3.69	2.60	1.09	10.1	17.3	3.43	2	2	0.81	<0.2	0.85	8.4	36	0.38

Certified By:



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AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6562717 (9278757)		3.14	2.08	0.70	9.54	19.7	2.83	1	2	0.74	<0.2	0.54	8.4	68	0.30
E6562718 (9278758)		3.41	2.35	0.91	9.76	20.0	3.25	1	2	0.79	<0.2	0.55	10.7	57	0.33
E6562719 (9278759)		4.20	2.76	1.37	9.63	17.3	4.84	2	3	0.92	<0.2	0.55	10.8	29	0.42
E6562720 (9278760)		3.81	2.76	0.98	9.06	19.5	3.37	2	2	0.91	<0.2	1.15	6.2	13	0.41
E6562721 (9278761)		3.89	2.73	0.93	9.39	20.0	3.36	2	2	0.91	<0.2	0.88	4.6	16	0.41
E6562722 (9278762)		4.11	2.94	0.96	10.4	19.0	3.58	2	2	0.99	<0.2	0.54	5.0	<10	0.43
E6562723 (9278763)		4.04	2.72	0.94	9.79	18.6	3.44	2	2	0.88	<0.2	0.68	4.9	<10	0.39
E6562724 (9278764)		3.83	2.71	0.92	9.95	19.5	3.40	2	2	0.97	<0.2	0.60	4.9	14	0.40
E6562725 (9278765)		3.84	2.77	1.06	9.42	18.5	3.83	2	2	0.90	<0.2	1.17	6.9	11	0.38
E6562726 (9278766)		3.04	2.11	0.93	3.37	11.9	4.40	2	5	0.69	0.2	3.25	38.4	<10	0.32
E6562727 (9278767)		3.95	2.81	0.96	9.28	18.6	3.62	2	2	0.94	<0.2	1.01	5.0	15	0.43
E6562728 (9278768)		3.83	2.90	0.95	9.08	18.2	3.42	2	2	0.91	<0.2	1.03	4.5	22	0.41
E6562729 (9278769)		3.72	2.67	0.84	9.92	18.2	3.19	2	2	0.87	<0.2	1.21	3.9	30	0.40
E6562730 (9278770)		4.60	3.31	0.96	11.0	18.6	3.88	2	2	1.08	<0.2	0.46	5.0	<10	0.46
E6562731 (9278771)		4.45	3.27	1.07	10.7	18.9	4.03	3	2	1.11	<0.2	0.71	5.1	<10	0.48
E6562732 (9278772)		0.19	0.15	<0.05	0.09	0.23	0.27	<1	<1	0.05	<0.2	<0.05	1.4	<10	<0.05
E6562733 (9278773)		4.10	2.94	0.99	9.05	18.2	3.57	2	2	0.96	<0.2	0.89	5.2	14	0.43
E6562734 (9278774)		4.15	3.02	0.94	9.31	18.0	3.60	2	2	0.99	<0.2	0.97	5.0	21	0.45
E6562735 (9278775)		4.12	3.09	0.97	9.21	18.1	3.73	2	2	0.97	<0.2	0.79	5.2	15	0.46
E6562736 (9278776)		4.12	2.91	0.99	7.55	18.2	3.70	2	2	1.02	<0.2	0.90	5.1	16	0.41
E6562737 (9278777)		4.08	2.89	1.03	10.0	18.3	3.58	2	2	0.95	<0.2	0.75	5.4	15	0.43
E6562738 (9278778)		3.94	2.88	1.04	10.2	17.9	3.56	2	2	0.96	<0.2	0.77	5.4	16	0.44
E6562739 (9278779)		4.19	2.86	1.00	8.45	18.6	3.80	2	2	1.00	<0.2	0.76	5.3	12	0.44
E6562740 (9278780)		4.26	3.01	1.08	8.77	18.0	3.69	2	2	1.02	<0.2	0.90	5.1	20	0.47
E6562741 (9278781)		4.14	3.08	1.04	8.19	19.4	3.79	2	2	1.00	<0.2	0.80	5.5	14	0.45
E6562742 (9278782)		4.01	2.91	0.90	9.07	18.1	3.72	2	2	0.96	<0.2	0.84	5.6	21	0.42
E6562743 (9278783)		3.55	2.53	1.22	9.95	18.9	3.15	2	2	0.83	<0.2	1.79	5.3	14	0.40
E6562744 (9278784)		3.74	2.84	1.12	10.6	20.7	3.42	3	2	0.92	<0.2	1.35	4.8	23	0.41
E6562745 (9278785)		3.63	2.67	1.12	9.55	19.9	3.29	3	2	0.89	<0.2	1.14	4.6	16	0.41
E6562746 (9278786)		3.47	2.45	1.07	3.18	12.6	4.45	2	5	0.77	0.3	3.22	38.2	<10	0.39
E6562747 (9278787)		3.93	2.99	0.77	8.33	20.2	3.38	2	2	0.94	<0.2	1.72	4.6	32	0.45
E6562748 (9278788)		3.80	2.81	0.89	9.14	19.1	3.47	2	2	0.90	<0.2	1.52	4.7	33	0.41

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6562749 (9278789)		4.04	3.00	0.95	9.24	19.1	3.58	2	2	0.96	<0.2	1.47	5.3	38	0.42
E6562750 (9278790)		4.11	2.89	0.91	8.31	18.7	3.54	2	2	0.98	<0.2	1.27	4.9	32	0.43
E6562751 (9278791)		4.15	3.02	0.93	9.66	18.6	3.91	2	2	1.02	<0.2	0.70	5.3	21	0.44
E6562752 (9278792)		4.03	2.82	0.94	8.41	17.6	3.63	2	2	0.93	<0.2	0.96	5.1	15	0.43
E6562753 (9278793)		4.11	3.02	1.00	8.76	18.8	3.61	2	2	0.96	<0.2	1.10	5.4	24	0.46
E6562754 (9278794)		4.18	2.92	0.94	7.14	18.8	3.64	2	2	1.01	<0.2	1.18	5.1	17	0.43
E6562755 (9278795)		4.00	2.89	1.00	7.30	18.3	3.63	2	2	0.93	<0.2	0.87	5.1	21	0.42
E6562756 (9278796)		4.24	2.97	1.16	10.3	19.7	3.92	2	2	1.06	<0.2	0.85	8.2	42	0.45
E6562757 (9278797)		5.39	3.48	1.37	7.86	18.3	5.68	2	2	1.22	<0.2	0.27	14.6	36	0.48
E6562758 (9278798)		6.05	3.67	1.63	8.19	18.1	7.02	2	2	1.33	<0.2	0.30	22.2	37	0.50
E6562759 (9278799)		4.01	2.81	1.13	10.3	19.3	3.85	2	2	0.98	<0.2	1.10	6.5	43	0.42
E6562760 (9278800)		4.19	2.86	0.95	8.87	19.0	3.74	2	2	0.98	<0.2	1.04	5.9	30	0.46
E6562761 (9278801)		4.18	2.84	1.02	8.28	18.7	3.65	2	2	0.97	<0.2	1.45	5.2	25	0.43
E6562762 (9278802)		3.72	2.77	0.95	10.6	17.4	3.50	2	2	0.91	<0.2	1.13	5.7	29	0.44
E6562763 (9278803)		4.13	2.95	1.03	8.82	17.8	3.67	2	2	0.95	<0.2	1.16	5.1	32	0.43
E6562764 (9278804)		4.09	2.98	1.11	9.41	18.5	3.63	2	2	0.96	<0.2	0.93	5.2	28	0.44
E6562765 (9278805)		4.20	3.07	1.14	9.27	18.4	3.70	2	2	0.97	<0.2	0.98	5.5	22	0.45
E6562766 (9278806)		3.04	2.10	0.96	3.27	11.8	4.22	2	5	0.67	0.2	3.29	38.1	<10	0.32
E6562767 (9278807)		4.12	2.91	0.96	9.01	18.7	3.72	2	2	0.96	<0.2	1.09	5.0	28	0.42
E6562768 (9278808)		4.31	3.09	0.77	8.83	19.3	3.86	2	2	1.01	<0.2	1.37	5.9	42	0.45

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018	DATE RECEIVED: May 29, 2018					DATE REPORTED: Jul 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6562685 (9278725)	5.67	1270	2	5	13.9	145	0.10	<5	3.20	48.2	0.98	0.5	32	20.2	
E6562686 (9278726)	2.73	457	11	8	32.7	174	0.08	12	8.86	114	1.63	1.6	7	27.8	
E6562687 (9278727)	8.44	1270	6	1	10.0	547	0.13	11	2.44	32.7	0.11	1.4	19	19.2	
E6562688 (9278728)	11.2	1710	3	2	14.7	874	0.19	<5	3.27	4.9	0.22	0.8	29	18.7	
E6562689 (9278729)	12.6	1650	<2	2	11.1	869	0.17	<5	2.39	1.9	0.21	0.8	24	19.2	
E6562690 (9278730)	4.01	1660	<2	3	9.4	128	0.05	<5	1.92	30.7	0.48	1.2	44	23.0	
E6562691 (9278731)	3.25	1680	3	3	9.1	100	0.05	<5	1.88	31.1	0.12	1.0	41	23.4	
E6562692 (9278732)	2.96	71	<2	<1	1.0	<5	0.01	<5	0.24	0.5	<0.01	<0.1	<5	5.40	
E6562693 (9278733)	3.12	1670	<2	3	9.4	99	0.05	<5	1.91	40.2	0.05	1.0	42	22.8	
E6562694 (9278734)	2.98	1650	<2	3	9.9	84	0.06	6	2.08	35.6	0.21	1.2	39	22.9	
E6562695 (9278735)	2.82	966	<2	3	14.1	22	0.11	10	3.35	43.8	0.10	0.7	23	24.6	
E6562696 (9278736)	3.21	1470	<2	3	11.5	69	0.08	14	2.55	36.4	0.08	0.7	35	23.8	
E6562697 (9278737)	3.27	1720	<2	3	9.2	105	0.05	<5	1.90	39.6	0.09	0.6	44	23.2	
E6562698 (9278738)	3.23	1740	<2	3	9.4	105	0.05	<5	1.86	39.3	0.09	0.6	44	22.7	
E6562699 (9278739)	3.57	1720	6	3	9.3	105	0.05	6	1.91	34.9	0.17	0.6	45	22.6	
E6562700 (9278740)	3.76	1740	2	3	8.3	110	0.04	9	1.66	26.0	0.24	0.4	42	23.8	
E6562701 (9278741)	3.93	1740	2	3	8.4	99	0.04	9	1.67	35.8	0.10	0.3	41	22.7	
E6562702 (9278742)	3.70	1690	9	4	11.6	63	0.05	23	2.35	30.2	0.23	0.4	40	23.5	
E6562703 (9278743)	2.74	1740	31	4	11.8	55	0.05	6	2.41	29.2	0.15	0.4	42	24.7	
E6562704 (9278744)	3.22	1940	4	4	12.9	53	0.06	<5	2.63	37.9	0.14	0.4	43	23.0	
E6562705 (9278745)	3.61	1820	4	4	13.4	54	0.06	<5	2.75	40.0	0.08	0.3	42	23.3	
E6562706 (9278746)	2.70	445	12	8	33.2	171	0.08	12	8.88	115	1.61	1.5	7	27.3	
E6562707 (9278747)	3.67	1830	8	4	12.7	54	0.06	7	2.62	50.3	0.14	0.7	43	22.9	
E6562708 (9278748)	4.12	1640	5	4	12.9	54	0.06	34	2.63	39.0	0.19	0.9	44	23.7	
E6562709 (9278749)	5.95	1410	<2	5	32.5	235	0.18	18	7.46	9.0	0.11	1.4	31	22.8	
E6562710 (9278750)	6.90	1370	<2	5	32.3	280	0.23	10	7.34	19.1	0.09	0.9	25	23.2	
E6562711 (9278751)	3.93	1510	2	3	11.3	130	0.06	7	2.43	38.0	0.71	0.6	46	24.2	
E6562712 (9278752)	2.38	50	<2	<1	1.0	<5	0.02	<5	0.23	0.6	<0.01	<0.1	<5	4.03	
E6562713 (9278753)	6.38	1360	<2	6	33.7	265	0.19	8	7.64	17.8	0.16	0.5	25	22.9	
E6562714 (9278754)	6.66	1240	<2	6	37.2	278	0.23	6	8.47	12.1	0.09	0.4	22	23.2	
E6562715 (9278755)	4.64	1490	5	3	10.5	108	0.05	10	2.18	41.0	0.13	0.6	41	22.7	
E6562716 (9278756)	5.54	1540	3	3	10.6	98	0.04	7	2.33	27.6	0.24	0.5	40	22.3	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018	DATE RECEIVED: May 29, 2018					DATE REPORTED: Jul 11, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6562717 (9278757)	5.96	1250	7	2	10.0	101	0.04	101	2.07	13.3	0.09	0.7	33	22.3	
E6562718 (9278758)	6.01	1370	8	3	12.8	105	0.05	72	2.73	13.7	0.11	0.5	34	20.7	
E6562719 (9278759)	5.63	1470	<2	4	17.7	152	0.13	6	3.75	20.6	0.09	0.5	35	22.2	
E6562720 (9278760)	3.31	1530	9	3	9.6	104	0.05	14	2.00	43.2	0.02	0.5	41	22.6	
E6562721 (9278761)	3.92	1660	24	3	8.8	102	0.05	16	1.82	42.1	0.09	0.4	41	21.6	
E6562722 (9278762)	3.03	1930	12	3	9.6	119	0.04	6	1.84	22.9	0.31	0.4	43	21.9	
E6562723 (9278763)	3.02	1780	6	3	9.1	103	0.05	10	1.80	28.9	0.16	0.3	42	22.8	
E6562724 (9278764)	2.72	1970	6	3	9.1	114	0.04	<5	1.81	32.2	0.52	0.3	42	22.8	
E6562725 (9278765)	3.57	1610	7	3	11.8	123	0.06	6	2.44	49.3	0.11	0.3	40	23.2	
E6562726 (9278766)	2.69	426	11	8	32.5	163	0.08	17	8.92	112	1.56	1.4	7	26.2	
E6562727 (9278767)	3.96	1510	4	3	9.5	113	0.05	10	1.87	46.4	0.05	0.3	43	22.6	
E6562728 (9278768)	4.60	1470	9	3	8.8	102	0.05	7	1.76	55.9	0.08	0.2	40	22.1	
E6562729 (9278769)	4.58	1430	<2	3	7.9	108	0.05	44	1.59	67.1	0.23	0.3	41	22.7	
E6562730 (9278770)	3.20	2120	3	3	9.6	114	0.05	5	1.90	15.1	0.27	0.2	46	21.7	
E6562731 (9278771)	3.03	2240	3	3	9.8	114	0.05	5	1.97	32.7	0.25	0.2	44	21.9	
E6562732 (9278772)	2.27	48	<2	<1	0.9	<5	0.01	<5	0.24	0.7	<0.01	<0.1	<5	3.78	
E6562733 (9278773)	3.64	1900	2	3	9.9	100	0.06	<5	1.99	47.7	0.16	0.1	44	23.1	
E6562734 (9278774)	4.33	1830	4	3	9.3	101	0.05	<5	1.90	56.8	0.49	0.1	42	22.7	
E6562735 (9278775)	3.81	1700	4	3	9.6	93	0.05	6	2.00	41.3	0.75	0.1	41	22.4	
E6562736 (9278776)	3.87	1560	3	3	9.6	91	0.05	6	1.98	49.7	0.08	0.1	41	23.4	
E6562737 (9278777)	4.48	1800	2	3	9.6	92	0.05	<5	1.90	39.7	0.89	0.2	39	22.3	
E6562738 (9278778)	4.29	1740	2	2	9.6	92	0.05	9	1.96	40.8	1.04	0.3	38	22.3	
E6562739 (9278779)	3.82	1620	2	3	10.0	90	0.06	<5	2.00	37.3	0.12	0.2	42	23.7	
E6562740 (9278780)	4.39	1690	3	3	9.8	98	0.05	10	1.96	52.5	0.17	0.2	43	23.0	
E6562741 (9278781)	3.68	1550	2	3	10.0	91	0.05	6	2.07	41.0	0.20	0.2	42	23.0	
E6562742 (9278782)	4.07	1630	2	3	10.0	85	0.05	9	2.09	45.2	0.27	0.4	41	22.5	
E6562743 (9278783)	3.08	1580	<2	3	8.6	76	0.05	6	1.80	63.5	0.27	0.7	38	22.8	
E6562744 (9278784)	3.15	1810	<2	3	9.5	86	0.05	5	1.89	65.8	0.19	0.5	40	22.3	
E6562745 (9278785)	2.87	1710	3	3	8.5	104	0.04	8	1.72	63.8	0.31	0.6	42	23.0	
E6562746 (9278786)	2.73	436	12	8	33.2	167	0.08	18	8.80	115	1.61	1.8	7	26.6	
E6562747 (9278787)	2.75	1500	3	3	8.9	107	0.05	<5	1.81	111	0.09	0.2	45	23.4	
E6562748 (9278788)	3.06	1570	7	3	9.0	107	0.05	18	1.84	93.9	0.20	0.2	40	23.2	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6562749 (9278789)	4.34	1580	4	3	9.7	95	0.06	5	1.98	81.7	0.14	0.2	42	24.7
E6562750 (9278790)	4.42	1430	6	3	9.2	91	0.05	<5	1.88	63.2	0.17	0.2	41	23.7
E6562751 (9278791)	4.42	1630	12	3	9.7	90	0.05	6	1.98	32.5	0.33	0.5	41	22.5
E6562752 (9278792)	3.83	1470	3	3	9.4	90	0.05	<5	1.94	49.0	0.19	0.4	39	23.4
E6562753 (9278793)	4.13	1610	6	3	9.5	92	0.05	<5	1.94	58.9	0.22	0.5	42	23.8
E6562754 (9278794)	3.68	1510	4	3	9.6	92	0.06	6	1.96	65.2	0.07	0.6	42	22.8
E6562755 (9278795)	3.77	1350	3	3	9.5	84	0.05	32	1.92	43.4	0.12	0.6	41	24.3
E6562756 (9278796)	5.57	1870	5	3	11.0	107	0.05	174	2.37	49.2	0.33	2.1	49	21.7
E6562757 (9278797)	4.56	1070	4	3	17.8	83	0.06	28	3.95	7.7	0.10	1.2	38	20.9
E6562758 (9278798)	4.56	1100	5	3	23.5	97	0.05	65	5.36	8.6	0.24	2.8	37	20.8
E6562759 (9278799)	4.85	1540	13	3	10.7	94	0.04	63	2.23	67.4	0.49	1.0	39	22.1
E6562760 (9278800)	4.03	1690	4	3	10.5	91	0.06	9	2.11	59.8	0.19	0.6	44	23.1
E6562761 (9278801)	4.00	1680	22	3	9.7	98	0.05	10	1.97	69.5	0.25	0.7	44	23.2
E6562762 (9278802)	3.86	2020	4	3	9.7	94	0.05	6	2.02	59.2	0.34	0.8	39	22.5
E6562763 (9278803)	4.04	1710	8	3	9.5	98	0.06	12	1.91	54.8	0.16	0.7	42	23.7
E6562764 (9278804)	4.18	1700	3	3	9.5	99	0.05	40	1.89	43.1	0.35	1.4	43	23.2
E6562765 (9278805)	3.89	1700	3	3	9.8	92	0.05	12	2.00	45.4	0.13	0.7	42	22.8
E6562766 (9278806)	2.74	433	11	8	32.8	169	0.08	17	8.87	112	1.57	1.5	7	27.2
E6562767 (9278807)	4.14	1690	2	3	9.3	99	0.06	22	1.89	64.7	0.09	0.4	43	23.3
E6562768 (9278808)	4.08	1620	2	3	10.1	96	0.05	17	2.09	71.5	0.12	0.7	45	23.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6562685 (9278725)	3.5	<1	68.8	<0.5	0.63	2.4	0.63	<0.5	0.40	0.75	261	2	23.1	2.7
E6562686 (9278726)	5.8	2	29.6	0.7	0.61	12.1	0.25	0.8	0.30	7.09	59	4	18.9	2.0
E6562687 (9278727)	2.2	<1	114	<0.5	0.29	1.1	0.23	<0.5	0.15	0.82	150	1	9.4	1.0
E6562688 (9278728)	3.6	<1	64.1	<0.5	0.49	1.6	0.35	<0.5	0.23	0.66	185	2	15.1	1.5
E6562689 (9278729)	2.8	<1	82.2	<0.5	0.39	1.2	0.26	<0.5	0.20	0.41	140	2	12.3	1.4
E6562690 (9278730)	2.9	<1	253	<0.5	0.66	0.5	0.69	<0.5	0.45	0.18	307	1	25.2	2.8
E6562691 (9278731)	2.8	<1	235	<0.5	0.62	0.5	0.68	<0.5	0.42	0.14	298	1	23.7	2.6
E6562692 (9278732)	0.2	<1	53.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.36	<5	<1	2.2	0.1
E6562693 (9278733)	2.9	<1	229	<0.5	0.62	0.5	0.69	<0.5	0.42	0.14	299	<1	24.3	2.8
E6562694 (9278734)	2.9	<1	205	<0.5	0.63	0.7	0.64	<0.5	0.38	0.22	282	1	22.8	2.6
E6562695 (9278735)	3.1	<1	221	<0.5	0.49	2.5	0.42	<0.5	0.28	0.68	188	<1	17.1	2.0
E6562696 (9278736)	3.1	<1	236	<0.5	0.58	1.3	0.57	<0.5	0.35	0.41	262	<1	21.2	2.4
E6562697 (9278737)	2.8	<1	221	<0.5	0.60	0.5	0.70	<0.5	0.43	0.14	309	1	24.5	2.8
E6562698 (9278738)	2.8	1	221	<0.5	0.62	0.5	0.69	<0.5	0.41	0.14	315	<1	24.0	2.8
E6562699 (9278739)	3.0	<1	191	<0.5	0.64	0.5	0.68	<0.5	0.44	0.17	316	1	25.6	3.0
E6562700 (9278740)	2.6	<1	119	<0.5	0.59	0.5	0.69	<0.5	0.40	0.14	300	1	22.6	2.7
E6562701 (9278741)	2.7	<1	131	<0.5	0.58	0.5	0.65	<0.5	0.39	0.14	291	1	22.9	2.7
E6562702 (9278742)	3.5	<1	133	<0.5	0.74	0.6	0.73	<0.5	0.49	0.17	308	1	27.9	3.2
E6562703 (9278743)	3.6	1	161	<0.5	0.74	0.7	0.77	<0.5	0.51	0.19	310	2	28.3	3.3
E6562704 (9278744)	3.8	<1	176	<0.5	0.78	0.8	0.80	<0.5	0.53	0.22	327	2	31.4	3.5
E6562705 (9278745)	4.0	<1	152	<0.5	0.83	0.8	0.83	<0.5	0.53	0.22	317	2	31.5	3.4
E6562706 (9278746)	5.8	1	30.8	0.7	0.61	12.1	0.24	0.8	0.30	7.09	58	4	19.1	2.1
E6562707 (9278747)	3.9	<1	179	<0.5	0.82	0.8	0.80	<0.5	0.53	0.21	326	2	30.3	3.6
E6562708 (9278748)	3.9	<1	164	<0.5	0.80	0.8	0.79	<0.5	0.52	0.24	330	3	29.9	3.5
E6562709 (9278749)	7.6	<1	179	<0.5	0.90	2.5	0.70	<0.5	0.39	0.73	248	5	26.1	2.6
E6562710 (9278750)	7.2	<1	232	<0.5	0.77	2.6	0.69	<0.5	0.24	0.68	190	<1	18.4	1.6
E6562711 (9278751)	3.2	<1	264	<0.5	0.64	0.6	0.70	<0.5	0.43	0.25	310	4	24.1	2.8
E6562712 (9278752)	0.2	<1	60.6	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.4	0.1
E6562713 (9278753)	7.4	<1	367	<0.5	0.85	2.9	0.68	<0.5	0.29	0.78	186	<1	21.2	1.9
E6562714 (9278754)	8.0	<1	353	<0.5	0.88	3.2	0.71	<0.5	0.28	0.90	171	<1	20.7	1.7
E6562715 (9278755)	3.0	<1	404	<0.5	0.58	0.5	0.68	<0.5	0.41	0.24	289	1	22.8	2.7
E6562716 (9278756)	2.9	<1	154	<0.5	0.57	0.5	0.65	<0.5	0.36	0.31	284	1	21.4	2.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6562717 (9278757)	2.6	<1	46.0	<0.5	0.50	0.4	0.58	<0.5	0.31	0.34	234	2	19.1	2.1
E6562718 (9278758)	3.0	<1	76.6	<0.5	0.52	0.6	0.63	<0.5	0.36	0.36	255	2	21.3	2.3
E6562719 (9278759)	4.8	<1	165	<0.5	0.76	1.7	0.73	<0.5	0.41	0.56	257	1	24.8	2.7
E6562720 (9278760)	2.9	<1	249	<0.5	0.60	0.5	0.67	<0.5	0.41	0.14	296	1	23.3	2.7
E6562721 (9278761)	2.7	<1	211	<0.5	0.56	0.5	0.66	<0.5	0.40	0.16	299	<1	23.4	2.7
E6562722 (9278762)	2.9	<1	196	<0.5	0.62	0.5	0.66	<0.5	0.44	0.15	307	1	25.1	3.0
E6562723 (9278763)	2.8	<1	190	<0.5	0.59	0.5	0.66	<0.5	0.42	0.13	295	<1	24.0	2.7
E6562724 (9278764)	2.8	<1	148	<0.5	0.57	0.5	0.68	<0.5	0.39	0.13	305	1	23.5	2.7
E6562725 (9278765)	3.4	<1	234	<0.5	0.62	0.7	0.68	<0.5	0.41	0.19	288	<1	23.2	2.7
E6562726 (9278766)	5.7	2	29.5	0.6	0.63	11.7	0.24	0.8	0.28	6.89	55	4	18.7	2.1
E6562727 (9278767)	2.9	<1	203	<0.5	0.63	0.5	0.69	<0.5	0.40	0.14	306	<1	24.2	2.8
E6562728 (9278768)	2.7	<1	169	<0.5	0.55	0.4	0.64	<0.5	0.40	0.13	290	<1	23.3	2.6
E6562729 (9278769)	2.6	<1	132	<0.5	0.56	0.5	0.67	<0.5	0.38	0.13	291	2	22.3	2.6
E6562730 (9278770)	3.0	<1	138	<0.5	0.68	0.5	0.64	<0.5	0.49	0.16	309	4	28.3	3.2
E6562731 (9278771)	3.1	<1	119	<0.5	0.68	0.5	0.65	<0.5	0.46	0.16	306	2	28.0	3.1
E6562732 (9278772)	0.2	<1	53.9	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.3	0.1
E6562733 (9278773)	2.8	<1	131	<0.5	0.61	0.5	0.71	<0.5	0.41	0.15	308	2	24.9	2.8
E6562734 (9278774)	3.0	<1	121	<0.5	0.65	0.5	0.71	<0.5	0.44	0.15	301	1	25.8	3.0
E6562735 (9278775)	3.0	<1	137	<0.5	0.65	0.6	0.70	<0.5	0.42	0.17	292	<1	25.1	2.9
E6562736 (9278776)	2.9	<1	144	<0.5	0.64	0.5	0.72	<0.5	0.43	0.15	303	<1	25.3	2.9
E6562737 (9278777)	2.8	<1	129	<0.5	0.62	0.5	0.62	<0.5	0.41	0.15	284	<1	24.9	2.8
E6562738 (9278778)	2.9	<1	124	<0.5	0.60	0.5	0.58	<0.5	0.42	0.15	275	<1	24.3	2.9
E6562739 (9278779)	3.0	<1	148	<0.5	0.64	0.5	0.70	<0.5	0.43	0.14	302	<1	25.8	2.8
E6562740 (9278780)	3.0	<1	128	<0.5	0.65	0.5	0.73	<0.5	0.42	0.14	306	<1	26.3	2.9
E6562741 (9278781)	3.1	<1	122	<0.5	0.67	0.5	0.73	<0.5	0.45	0.16	309	1	25.6	2.9
E6562742 (9278782)	2.9	1	125	<0.5	0.63	0.5	0.69	<0.5	0.45	0.17	297	2	24.3	2.8
E6562743 (9278783)	2.6	<1	170	<0.5	0.53	0.5	0.68	<0.5	0.37	0.15	282	3	21.5	2.5
E6562744 (9278784)	2.8	<1	162	<0.5	0.60	0.5	0.70	<0.5	0.38	0.15	308	48	23.9	2.7
E6562745 (9278785)	2.7	<1	156	<0.5	0.55	0.5	0.63	<0.5	0.41	0.14	288	10	22.7	2.8
E6562746 (9278786)	6.2	2	29.9	0.8	0.68	12.5	0.24	0.9	0.38	7.13	58	5	19.2	2.2
E6562747 (9278787)	2.7	<1	87.4	<0.5	0.59	0.6	0.75	0.8	0.46	0.14	324	3	23.8	3.0
E6562748 (9278788)	2.6	<1	94.4	<0.5	0.63	0.5	0.68	0.7	0.41	0.13	289	29	23.6	2.7

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6562749 (9278789)		3.0	<1	114	<0.5	0.64	0.6	0.78	0.6	0.42	0.16	298	1	24.4	3.0
E6562750 (9278790)		2.9	<1	110	<0.5	0.63	0.5	0.72	<0.5	0.44	0.14	300	1	24.5	2.8
E6562751 (9278791)		3.2	<1	166	<0.5	0.64	0.5	0.69	<0.5	0.44	0.17	302	2	26.0	3.0
E6562752 (9278792)		2.9	<1	154	<0.5	0.61	0.5	0.73	<0.5	0.41	0.16	288	1	24.3	2.8
E6562753 (9278793)		2.9	<1	155	<0.5	0.65	0.6	0.74	<0.5	0.43	0.16	305	1	25.3	2.9
E6562754 (9278794)		3.1	<1	157	<0.5	0.65	0.5	0.71	<0.5	0.44	0.17	313	1	25.1	2.9
E6562755 (9278795)		2.9	<1	153	<0.5	0.62	0.6	0.75	<0.5	0.40	0.17	300	2	24.4	2.6
E6562756 (9278796)		3.1	3	136	<0.5	0.65	0.5	0.67	<0.5	0.44	0.18	346	2	26.3	2.9
E6562757 (9278797)		5.2	1	61.0	<0.5	0.91	0.5	0.68	<0.5	0.51	0.68	269	3	31.8	3.2
E6562758 (9278798)		6.3	<1	63.2	<0.5	1.10	0.5	0.66	<0.5	0.48	0.69	276	3	35.3	3.4
E6562759 (9278799)		3.2	<1	120	<0.5	0.64	0.5	0.65	<0.5	0.44	0.19	293	1	25.4	2.8
E6562760 (9278800)		3.1	<1	156	<0.5	0.67	0.5	0.72	<0.5	0.42	0.16	311	1	25.1	2.8
E6562761 (9278801)		3.1	<1	188	<0.5	0.65	0.5	0.73	<0.5	0.45	0.16	317	1	25.0	2.9
E6562762 (9278802)		3.0	<1	192	<0.5	0.59	0.5	0.68	<0.5	0.41	0.19	287	1	23.4	2.7
E6562763 (9278803)		3.0	<1	188	<0.5	0.62	0.6	0.76	<0.5	0.42	0.17	305	1	24.7	2.9
E6562764 (9278804)		2.9	<1	200	<0.5	0.65	0.6	0.73	<0.5	0.45	0.20	308	1	25.3	2.9
E6562765 (9278805)		3.0	1	212	<0.5	0.64	0.6	0.72	<0.5	0.46	0.20	307	1	25.3	3.0
E6562766 (9278806)		5.9	1	30.1	0.6	0.61	11.9	0.24	0.8	0.30	6.78	57	4	18.6	1.9
E6562767 (9278807)		3.0	<1	184	<0.5	0.63	0.6	0.74	<0.5	0.42	0.17	316	<1	24.9	2.9
E6562768 (9278808)		3.1	<1	239	<0.5	0.68	0.6	0.75	<0.5	0.47	0.20	323	2	25.9	2.9

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6562685 (9278725)		122	109
E6562686 (9278726)		7	160
E6562687 (9278727)		239	32.7
E6562688 (9278728)		164	56.0
E6562689 (9278729)		141	41.3
E6562690 (9278730)		94	68.0
E6562691 (9278731)		90	65.7
E6562692 (9278732)		<5	1.5
E6562693 (9278733)		87	66.8
E6562694 (9278734)		78	67.3
E6562695 (9278735)		61	83.7
E6562696 (9278736)		90	73.0
E6562697 (9278737)		91	68.0
E6562698 (9278738)		88	67.4
E6562699 (9278739)		98	68.6
E6562700 (9278740)		104	66.9
E6562701 (9278741)		120	63.1
E6562702 (9278742)		125	79.0
E6562703 (9278743)		84	84.4
E6562704 (9278744)		90	91.5
E6562705 (9278745)		85	94.7
E6562706 (9278746)		7	164
E6562707 (9278747)		93	91.9
E6562708 (9278748)		120	91.9
E6562709 (9278749)		125	122
E6562710 (9278750)		232	105
E6562711 (9278751)		102	68.4
E6562712 (9278752)		<5	1.7
E6562713 (9278753)		118	130
E6562714 (9278754)		119	138
E6562715 (9278755)		109	64.6
E6562716 (9278756)		124	62.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6562717 (9278757)		142	55.5
E6562718 (9278758)		141	60.8
E6562719 (9278759)		120	99.5
E6562720 (9278760)		90	63.0
E6562721 (9278761)		91	64.8
E6562722 (9278762)		83	64.1
E6562723 (9278763)		89	63.1
E6562724 (9278764)		80	66.1
E6562725 (9278765)		80	71.2
E6562726 (9278766)		8	161
E6562727 (9278767)		76	66.2
E6562728 (9278768)		78	63.4
E6562729 (9278769)		258	62.5
E6562730 (9278770)		83	66.8
E6562731 (9278771)		71	66.5
E6562732 (9278772)		<5	1.7
E6562733 (9278773)		70	66.9
E6562734 (9278774)		73	68.3
E6562735 (9278775)		72	68.6
E6562736 (9278776)		63	70.5
E6562737 (9278777)		67	61.9
E6562738 (9278778)		67	59.8
E6562739 (9278779)		95	69.4
E6562740 (9278780)		72	70.2
E6562741 (9278781)		72	72.6
E6562742 (9278782)		79	66.2
E6562743 (9278783)		70	64.2
E6562744 (9278784)		92	68.0
E6562745 (9278785)		72	62.9
E6562746 (9278786)		9	160
E6562747 (9278787)		70	72.1
E6562748 (9278788)		72	65.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6562749 (9278789)		76	71.2
E6562750 (9278790)		68	69.8
E6562751 (9278791)		73	67.2
E6562752 (9278792)		70	67.6
E6562753 (9278793)		73	70.5
E6562754 (9278794)		72	71.2
E6562755 (9278795)		90	71.0
E6562756 (9278796)		357	67.5
E6562757 (9278797)		106	65.0
E6562758 (9278798)		116	63.1
E6562759 (9278799)		127	62.9
E6562760 (9278800)		80	69.0
E6562761 (9278801)		128	70.3
E6562762 (9278802)		73	64.6
E6562763 (9278803)		73	70.3
E6562764 (9278804)		94	69.8
E6562765 (9278805)		88	68.0
E6562766 (9278806)		9	165
E6562767 (9278807)		163	70.4
E6562768 (9278808)		105	72.4

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

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 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 28, 2018

DATE RECEIVED: May 29, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6562685 (9278725)		92
E6562691 (9278731)		74
E6562694 (9278734)		78
E6562700 (9278740)		82
E6562705 (9278745)		84
E6562710 (9278750)		87
E6562725 (9278765)		89
E6562727 (9278767)		88
E6562731 (9278771)		85
E6562736 (9278776)		81
E6562744 (9278784)		89
E6562754 (9278794)		86
E6562764 (9278804)		86

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9278725	< 1	< 1	0.0%	9278736	< 1	< 1	0.0%	9278748	< 1	< 1	0.0%	9278750	< 1	< 1	0.0%
Al	9278725	8.60	8.75	1.7%	9278736	8.17	8.16	0.1%	9278748	7.48	7.49	0.1%	9278750	5.33	5.38	0.9%
As	9278725	41	46	11.5%	9278736	< 5	< 5	0.0%	9278748	9	11	20.0%	9278750	12	12	0.0%
B	9278725	< 20	< 20	0.0%	9278736	20	19	5.1%	9278748	< 20	< 20	0.0%	9278750	< 20	< 20	0.0%
Ba	9278725	393	390	0.8%	9278736	309	300	3.0%	9278748	229	230	0.4%	9278750	133	130	2.3%
Be	9278725	< 5	< 5	0.0%	9278736	< 5	< 5	0.0%	9278748	< 5	< 5	0.0%	9278750	< 5	< 5	0.0%
Bi	9278725	0.6	0.7	15.4%	9278736	< 0.1	< 0.1	0.0%	9278748	0.25	0.25	0.0%	9278750	< 0.1	< 0.1	0.0%
Ca	9278725	1.46	1.49	2.0%	9278736	6.02	6.05	0.5%	9278748	5.81	5.82	0.2%	9278750	6.09	6.14	0.8%
Cd	9278725	< 0.2	< 0.2	0.0%	9278736	< 0.2	< 0.2	0.0%	9278748	< 0.2	0.4		9278750	0.5	0.5	0.0%
Ce	9278725	24.4	25.7	5.2%	9278736	19.3	18.9	2.1%	9278748	17.6	17.3	1.7%	9278750	53.5	55.3	3.3%
Co	9278725	78.9	89.2	12.3%	9278736	45.0	43.9	2.5%	9278748	48.2	47.7	1.0%	9278750	44.6	45.4	1.8%
Cr	9278725	0.034	0.034	0.0%	9278736	0.019	0.019	0.0%	9278748	0.009	0.009	0.0%	9278750	0.062	0.062	0.0%
Cs	9278725	1.0	1.0	0.0%	9278736	0.6	0.6	0.0%	9278748	2.56	2.48	3.2%	9278750	0.6	0.6	0.0%
Cu	9278725	413	426	3.1%	9278736	70	69	1.4%	9278748	107	106	0.9%	9278750	201	194	3.5%
Dy	9278725	4.05	3.89	4.0%	9278736	3.58	3.50	2.3%	9278748	4.92	4.88	0.8%	9278750	3.65	3.65	0.0%
Er	9278725	2.75	2.80	1.8%	9278736	2.48	2.38	4.1%	9278748	3.56	3.52	1.1%	9278750	1.81	1.83	1.1%
Eu	9278725	1.15	1.20	4.3%	9278736	0.96	0.96	0.0%	9278748	1.20	1.20	0.0%	9278750	1.90	1.89	0.5%
Fe	9278725	10.0	10.0	0.0%	9278736	7.94	7.94	0.0%	9278748	9.38	9.38	0.0%	9278750	8.98	9.11	1.4%
Ga	9278725	19.5	20.5	5.0%	9278736	18.9	19.3	2.1%	9278748	19.1	18.9	1.1%	9278750	15.6	15.8	1.3%
Gd	9278725	3.65	3.83	4.8%	9278736	3.54	3.47	2.0%	9278748	4.56	4.61	1.1%	9278750	5.96	6.31	5.7%
Ge	9278725	1	1	0.0%	9278736	2	2	0.0%	9278748	2	2	0.0%	9278750	2	2	0.0%
Hf	9278725	3	3	0.0%	9278736	2	2	0.0%	9278748	3	3	0.0%	9278750	3	3	0.0%
Ho	9278725	0.96	0.97	1.0%	9278736	0.821	0.840	2.3%	9278748	1.21	1.15	5.1%	9278750	0.70	0.76	8.2%
In	9278725	< 0.2	< 0.2	0.0%	9278736	< 0.2	< 0.2	0.0%	9278748	< 0.2	< 0.2	0.0%	9278750	< 0.2	< 0.2	0.0%
K	9278725	2.23	2.27	1.8%	9278736	1.07	1.08	0.9%	9278748	0.806	0.803	0.4%	9278750	0.715	0.716	0.1%
La	9278725	10.7	11.4	6.3%	9278736	8.5	8.5	0.0%	9278748	6.9	6.7	2.9%	9278750	22.5	23.2	3.1%
Li	9278725	67	68	1.5%	9278736	13	13	0.0%	9278748	22	20	9.5%	9278750	26	26	0.0%
Lu	9278725	0.39	0.41	5.0%	9278736	0.368	0.360	2.2%	9278748	0.529	0.525	0.8%	9278750	0.237	0.235	0.8%
Mg	9278725	5.67	5.71	0.7%	9278736	3.21	3.14	2.2%	9278748	4.12	4.13	0.2%	9278750	6.90	6.96	0.9%
Mn	9278725	1270	1260	0.8%	9278736	1470	1420	3.5%	9278748	1640	1640	0.0%	9278750	1370	1360	0.7%
Mo	9278725	2	2	0.0%	9278736	< 2	< 2	0.0%	9278748	5	5	0.0%	9278750	< 2	< 2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9278725	5	5	0.0%	9278736	3	3	0.0%	9278748	4	4	0.0%	9278750	5	5	0.0%
Nd	9278725	13.9	14.6	4.9%	9278736	11.5	11.3	1.8%	9278748	12.9	12.5	3.1%	9278750	32.3	32.9	1.8%
Ni	9278725	145	145	0.0%	9278736	69	68	1.5%	9278748	54	54	0.0%	9278750	280	280	0.0%
P	9278725	0.10	0.10	0.0%	9278736	0.075	0.073	2.7%	9278748	0.06	0.06	0.0%	9278750	0.23	0.24	4.3%
Pb	9278725	< 5	< 5	0.0%	9278736	14	13	7.4%	9278748	34	31	9.2%	9278750	10	10	0.0%
Pr	9278725	3.20	3.32	3.7%	9278736	2.55	2.49	2.4%	9278748	2.63	2.53	3.9%	9278750	7.34	7.59	3.3%
Rb	9278725	48.2	48.9	1.4%	9278736	36.4	36.7	0.8%	9278748	39.0	37.7	3.4%	9278750	19.1	18.7	2.1%
S	9278725	0.981	1.04	5.8%	9278736	0.08	0.07	13.3%	9278748	0.186	0.182	2.2%	9278750	0.092	0.083	10.3%
Sb	9278725	0.5	0.5	0.0%	9278736	0.7	0.7	0.0%	9278748	0.9	0.9	0.0%	9278750	0.9	0.9	0.0%
Sc	9278725	32	32	0.0%	9278736	35	34	2.9%	9278748	44	44	0.0%	9278750	25	25	0.0%
Si	9278725	20.2	20.1	0.5%	9278736	23.8	23.8	0.0%	9278748	23.7	23.7	0.0%	9278750	23.2	23.5	1.3%
Sm	9278725	3.5	3.4	2.9%	9278736	3.1	2.9	6.7%	9278748	3.9	3.7	5.3%	9278750	7.2	7.2	0.0%
Sn	9278725	< 1	< 1	0.0%	9278736	< 1	< 1	0.0%	9278748	< 1	2		9278750	< 1	< 1	0.0%
Sr	9278725	68.8	68.8	0.0%	9278736	236	229	3.0%	9278748	164	165	0.6%	9278750	232	230	0.9%
Ta	9278725	< 0.5	< 0.5	0.0%	9278736	< 0.5	< 0.5	0.0%	9278748	< 0.5	< 0.5	0.0%	9278750	< 0.5	< 0.5	0.0%
Tb	9278725	0.63	0.64	1.6%	9278736	0.58	0.55	5.3%	9278748	0.80	0.78	2.5%	9278750	0.772	0.782	1.3%
Th	9278725	2.42	2.49	2.9%	9278736	1.3	1.3	0.0%	9278748	0.8	0.8	0.0%	9278750	2.6	2.7	3.8%
Ti	9278725	0.634	0.647	2.0%	9278736	0.57	0.57	0.0%	9278748	0.794	0.797	0.4%	9278750	0.69	0.69	0.0%
Tl	9278725	< 0.5	< 0.5	0.0%	9278736	< 0.5	< 0.5	0.0%	9278748	< 0.5	< 0.5	0.0%	9278750	< 0.5	< 0.5	0.0%
Tm	9278725	0.40	0.43	7.2%	9278736	0.350	0.358	2.3%	9278748	0.520	0.504	3.1%	9278750	0.240	0.255	6.1%
U	9278725	0.75	0.79	5.2%	9278736	0.406	0.405	0.2%	9278748	0.239	0.230	3.8%	9278750	0.68	0.72	5.7%
V	9278725	261	259	0.8%	9278736	262	253	3.5%	9278748	330	327	0.9%	9278750	190	189	0.5%
W	9278725	2	2	0.0%	9278736	< 1	< 1	0.0%	9278748	3	3	0.0%	9278750	< 1	1	
Y	9278725	23.1	23.8	3.0%	9278736	21.2	21.1	0.5%	9278748	29.9	29.8	0.3%	9278750	18.4	18.6	1.1%
Yb	9278725	2.7	2.8	3.6%	9278736	2.4	2.4	0.0%	9278748	3.5	3.5	0.0%	9278750	1.6	1.6	0.0%
Zn	9278725	122	118	3.3%	9278736	90	90	0.0%	9278748	120	122	1.7%	9278750	232	216	7.1%
Zr	9278725	109	113	3.6%	9278736	73.0	72.4	0.8%	9278748	91.9	91.1	0.9%	9278750	105	109	3.7%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9278760	< 1	< 1	0.0%	9278772	< 1	< 1	0.0%	9278775	< 1	< 1	0.0%	9278784	< 1	< 1	0.0%
Al	9278760	8.09	8.07	0.2%	9278772	0.07	0.07	0.0%	9278775	7.81	7.93	1.5%	9278784	8.00	8.03	0.4%
As	9278760	7	6	15.4%	9278772	< 5	< 5	0.0%	9278775	< 5	< 5	0.0%	9278784	< 5	< 5	0.0%
B	9278760	< 20	< 20	0.0%	9278772	< 20	< 20	0.0%	9278775	< 20	< 20	0.0%	9278784	< 20	< 20	0.0%
Ba	9278760	373	378	1.3%	9278772	28.9	27.6	4.6%	9278775	133	145	8.6%	9278784	348	352	1.1%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9278760	< 5	< 5	0.0%	9278772	< 5	< 5	0.0%	9278775	< 5	< 5	0.0%	9278784	< 5	< 5	0.0%
Bi	9278760	0.2	0.2	0.0%	9278772	< 0.1	< 0.1	0.0%	9278775	0.2	0.2	0.0%	9278784	0.3	0.3	0.0%
Ca	9278760	8.48	8.43	0.6%	9278772	36.3	36.3	0.0%	9278775	7.83	7.77	0.8%	9278784	7.92	7.95	0.4%
Cd	9278760	0.2	< 0.2		9278772	< 0.2	< 0.2	0.0%	9278775	< 0.2	< 0.2	0.0%	9278784	< 0.2	< 0.2	0.0%
Ce	9278760	14.4	14.6	1.4%	9278772	1.1	1.1	0.0%	9278775	13.3	12.8	3.8%	9278784	12.3	12.0	2.5%
Co	9278760	48.7	48.3	0.8%	9278772	1.25	1.24	0.8%	9278775	63.5	62.6	1.4%	9278784	44.6	44.3	0.7%
Cr	9278760	0.027	0.027	0.0%	9278772	< 0.005	< 0.005	0.0%	9278775	0.024	0.025	4.1%	9278784	0.022	0.022	0.0%
Cs	9278760	0.8	0.8	0.0%	9278772	0.2	< 0.1		9278775	2.6	2.6	0.0%	9278784	3.64	3.67	0.8%
Cu	9278760	50	50	0.0%	9278772	6	6	0.0%	9278775	112	114	1.8%	9278784	99	99	0.0%
Dy	9278760	3.81	3.83	0.5%	9278772	0.19	0.19	0.0%	9278775	4.12	3.84	7.0%	9278784	3.74	3.70	1.1%
Er	9278760	2.76	2.74	0.7%	9278772	0.15	0.13	14.3%	9278775	3.09	2.94	5.0%	9278784	2.84	2.71	4.7%
Eu	9278760	0.977	0.975	0.2%	9278772	< 0.05	< 0.05	0.0%	9278775	0.966	0.952	1.5%	9278784	1.12	1.14	1.8%
Fe	9278760	9.06	8.99	0.8%	9278772	0.09	0.09	0.0%	9278775	9.21	9.17	0.4%	9278784	10.6	10.6	0.0%
Ga	9278760	19.5	19.8	1.5%	9278772	0.232	0.235	1.3%	9278775	18.1	18.0	0.6%	9278784	20.7	20.0	3.4%
Gd	9278760	3.37	3.53	4.6%	9278772	0.27	0.24	11.8%	9278775	3.73	3.59	3.8%	9278784	3.42	3.57	4.3%
Ge	9278760	2	2	0.0%	9278772	< 1	1		9278775	2	2	0.0%	9278784	3	2	
Hf	9278760	2	2	0.0%	9278772	< 1	< 1	0.0%	9278775	2	2	0.0%	9278784	2	2	0.0%
Ho	9278760	0.909	0.956	5.0%	9278772	0.05	0.05	0.0%	9278775	0.97	0.97	0.0%	9278784	0.915	0.906	1.0%
In	9278760	< 0.2	< 0.2	0.0%	9278772	< 0.2	< 0.2	0.0%	9278775	< 0.2	< 0.2	0.0%	9278784	< 0.2	< 0.2	0.0%
K	9278760	1.15	1.16	0.9%	9278772	< 0.05	< 0.05	0.0%	9278775	0.79	0.80	1.3%	9278784	1.35	1.36	0.7%
La	9278760	6.19	6.27	1.3%	9278772	1.4	1.4	0.0%	9278775	5.2	5.0	3.9%	9278784	4.80	4.52	6.0%
Li	9278760	13	13	0.0%	9278772	< 10	< 10	0.0%	9278775	15	15	0.0%	9278784	23	24	4.3%
Lu	9278760	0.407	0.391	4.0%	9278772	< 0.05	< 0.05	0.0%	9278775	0.46	0.43	6.7%	9278784	0.413	0.404	2.2%
Mg	9278760	3.31	3.30	0.3%	9278772	2.27	2.35	3.5%	9278775	3.81	3.93	3.1%	9278784	3.15	3.25	3.1%
Mn	9278760	1530	1540	0.7%	9278772	48	49	2.1%	9278775	1700	1740	2.3%	9278784	1810	1820	0.6%
Mo	9278760	9	9	0.0%	9278772	< 2	< 2	0.0%	9278775	4	4	0.0%	9278784	< 2	< 2	0.0%
Nb	9278760	3	3	0.0%	9278772	< 1	< 1	0.0%	9278775	3	3	0.0%	9278784	3	3	0.0%
Nd	9278760	9.61	9.78	1.8%	9278772	0.9	0.9	0.0%	9278775	9.6	9.4	2.1%	9278784	9.5	9.3	2.1%
Ni	9278760	104	104	0.0%	9278772	< 5	< 5	0.0%	9278775	93	95	2.1%	9278784	86	88	2.3%
P	9278760	0.05	0.05	0.0%	9278772	0.014	0.017	19.4%	9278775	0.055	0.058	5.3%	9278784	0.05	0.05	0.0%
Pb	9278760	14	14	0.0%	9278772	< 5	6		9278775	6	6	0.0%	9278784	5	6	18.2%
Pr	9278760	2.00	2.02	1.0%	9278772	0.24	0.24	0.0%	9278775	2.00	1.88	6.2%	9278784	1.89	1.84	2.7%
Rb	9278760	43.2	43.8	1.4%	9278772	0.7	0.7	0.0%	9278775	41.3	40.4	2.2%	9278784	65.8	65.9	0.2%
S	9278760	0.02	0.02	0.0%	9278772	< 0.01	< 0.01	0.0%	9278775	0.75	0.77	2.6%	9278784	0.19	0.20	5.1%



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Sb	9278760	0.5	0.5	0.0%	9278772	< 0.1	< 0.1	0.0%	9278775	0.13	0.15	14.3%	9278784	0.5	0.5	0.0%
Sc	9278760	41	42	2.4%	9278772	< 5	< 5	0.0%	9278775	41	42	2.4%	9278784	40	40	0.0%
Si	9278760	22.6	22.2	1.8%	9278772	3.78	4.03	6.4%	9278775	22.4	22.3	0.4%	9278784	22.3	22.4	0.4%
Sm	9278760	2.9	2.9	0.0%	9278772	0.2	0.2	0.0%	9278775	2.95	2.86	3.1%	9278784	2.80	2.71	3.3%
Sn	9278760	< 1	< 1	0.0%	9278772	< 1	< 1	0.0%	9278775	< 1	< 1	0.0%	9278784	< 1	< 1	0.0%
Sr	9278760	249	252	1.2%	9278772	53.9	55.7	3.3%	9278775	137	143	4.3%	9278784	162	163	0.6%
Ta	9278760	< 0.5	< 0.5	0.0%	9278772	< 0.5	< 0.5	0.0%	9278775	< 0.5	< 0.5	0.0%	9278784	< 0.5	< 0.5	0.0%
Tb	9278760	0.598	0.607	1.5%	9278772	< 0.05	< 0.05	0.0%	9278775	0.649	0.611	6.0%	9278784	0.60	0.57	5.1%
Th	9278760	0.5	0.5	0.0%	9278772	< 0.1	< 0.1	0.0%	9278775	0.6	0.6	0.0%	9278784	0.5	0.5	0.0%
Ti	9278760	0.67	0.67	0.0%	9278772	< 0.01	< 0.01	0.0%	9278775	0.701	0.708	1.0%	9278784	0.703	0.707	0.6%
Tl	9278760	< 0.5	< 0.5	0.0%	9278772	< 0.5	< 0.5	0.0%	9278775	< 0.5	< 0.5	0.0%	9278784	< 0.5	< 0.5	0.0%
Tm	9278760	0.41	0.39	5.0%	9278772	< 0.05	< 0.05	0.0%	9278775	0.424	0.431	1.6%	9278784	0.385	0.391	1.5%
U	9278760	0.138	0.145	4.9%	9278772	0.09	0.21		9278775	0.165	0.160	3.1%	9278784	0.15	0.15	0.0%
V	9278760	296	299	1.0%	9278772	< 5	< 5	0.0%	9278775	292	300	2.7%	9278784	308	313	1.6%
W	9278760	1	1	0.0%	9278772	< 1	< 1	0.0%	9278775	< 1	1		9278784	48	48	0.0%
Y	9278760	23.3	23.3	0.0%	9278772	2.3	2.3	0.0%	9278775	25.1	24.9	0.8%	9278784	23.9	23.7	0.8%
Yb	9278760	2.7	2.8	3.6%	9278772	0.1	0.1	0.0%	9278775	2.9	2.9	0.0%	9278784	2.7	2.7	0.0%
Zn	9278760	90	88	2.2%	9278772	< 5	< 5	0.0%	9278775	72	78	8.0%	9278784	92	105	13.2%
Zr	9278760	63.0	63.1	0.2%	9278772	1.7	1.7	0.0%	9278775	68.6	68.2	0.6%	9278784	68.0	68.5	0.7%

Parameter	REPLICATE #9				REPLICATE #10				REPLICATE #11							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9278796	< 1	< 1	0.0%	9278800	< 1	< 1	0.0%	9278808	< 1	< 1	0.0%				
Al	9278796	7.53	7.44	1.2%	9278800	7.99	7.92	0.9%	9278808	8.30	8.30	0.0%				
As	9278796	70	66	5.9%	9278800	10	9	10.5%	9278808	< 5	< 5	0.0%				
B	9278796	< 20	< 20	0.0%	9278800	< 20	< 20	0.0%	9278808	< 20	< 20	0.0%				
Ba	9278796	171	154	10.5%	9278800	226	230	1.8%	9278808	486	488	0.4%				
Be	9278796	< 5	< 5	0.0%	9278800	< 5	< 5	0.0%	9278808	< 5	< 5	0.0%				
Bi	9278796	0.80	0.72	10.5%	9278800	0.6	0.4	40.0%	9278808	0.2	0.2	0.0%				
Ca	9278796	6.33	6.25	1.3%	9278800	6.86	6.83	0.4%	9278808	6.32	6.32	0.0%				
Cd	9278796	1.3	1.1	16.7%	9278800	< 0.2	< 0.2	0.0%	9278808	< 0.2	< 0.2	0.0%				
Ce	9278796	17.9	16.7	6.9%	9278800	14.5	13.8	4.9%	9278808	14.4	14.8	2.7%				
Co	9278796	56.8	55.5	2.3%	9278800	58.4	49.7	16.1%	9278808	48.4	46.6	3.8%				
Cr	9278796	0.023	0.021	9.1%	9278800	0.0238	0.0230	3.4%	9278808	0.0235	0.0232	1.3%				
Cs	9278796	3.4	3.4	0.0%	9278800	4.2	4.2	0.0%	9278808	3.78	3.63	4.0%				



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Cu	9278796	212	181	15.8%	9278800	102	110	7.5%	9278808	69	69	0.0%				
Dy	9278796	4.24	4.10	3.4%	9278800	4.19	4.15	1.0%	9278808	4.31	4.24	1.6%				
Er	9278796	2.97	2.99	0.7%	9278800	2.86	2.77	3.2%	9278808	3.09	2.92	5.7%				
Eu	9278796	1.16	1.20	3.4%	9278800	0.95	0.95	0.0%	9278808	0.77	0.76	1.3%				
Fe	9278796	10.3	10.2	1.0%	9278800	8.87	8.97	1.1%	9278808	8.83	8.81	0.2%				
Ga	9278796	19.7	18.8	4.7%	9278800	19.0	18.8	1.1%	9278808	19.3	19.1	1.0%				
Gd	9278796	3.92	3.85	1.8%	9278800	3.74	3.80	1.6%	9278808	3.86	3.79	1.8%				
Ge	9278796	2	2	0.0%	9278800	2	2	0.0%	9278808	2	2	0.0%				
Hf	9278796	2	2	0.0%	9278800	2	2	0.0%	9278808	2	2	0.0%				
Ho	9278796	1.06	0.97	8.9%	9278800	0.983	1.02	3.7%	9278808	1.01	1.02	1.0%				
In	9278796	< 0.2	< 0.2	0.0%	9278800	< 0.2	< 0.2	0.0%	9278808	< 0.2	< 0.2	0.0%				
K	9278796	0.85	0.84	1.2%	9278800	1.04	1.06	1.9%	9278808	1.37	1.37	0.0%				
La	9278796	8.2	7.8	5.0%	9278800	5.9	5.6	5.2%	9278808	5.9	6.1	3.3%				
Li	9278796	42	40	4.9%	9278800	30	32	6.5%	9278808	42	41	2.4%				
Lu	9278796	0.45	0.41	9.3%	9278800	0.462	0.453	2.0%	9278808	0.450	0.433	3.9%				
Mg	9278796	5.57	5.13	8.2%	9278800	4.03	3.97	1.5%	9278808	4.08	4.08	0.0%				
Mn	9278796	1870	1610	14.9%	9278800	1690	1700	0.6%	9278808	1620	1620	0.0%				
Mo	9278796	5	5	0.0%	9278800	4	4	0.0%	9278808	2	2	0.0%				
Nb	9278796	3	3	0.0%	9278800	3	3	0.0%	9278808	3	3	0.0%				
Nd	9278796	11.0	10.4	5.6%	9278800	10.5	10.0	4.9%	9278808	10.1	10.3	2.0%				
Ni	9278796	107	97	9.8%	9278800	91	90	1.1%	9278808	96	95	1.0%				
P	9278796	0.05	0.05	0.0%	9278800	0.059	0.053	10.7%	9278808	0.05	0.05	0.0%				
Pb	9278796	174	167	4.1%	9278800	9	10	10.5%	9278808	17	35					
Pr	9278796	2.37	2.28	3.9%	9278800	2.11	2.00	5.4%	9278808	2.09	2.13	1.9%				
Rb	9278796	49.2	48.2	2.1%	9278800	59.8	60.4	1.0%	9278808	71.5	69.2	3.3%				
S	9278796	0.326	0.283	14.1%	9278800	0.195	0.223	13.4%	9278808	0.12	0.12	0.0%				
Sb	9278796	2.08	1.92	8.0%	9278800	0.6	0.6	0.0%	9278808	0.7	0.7	0.0%				
Sc	9278796	49	42	15.4%	9278800	44	43	2.3%	9278808	45	45	0.0%				
Si	9278796	21.7	21.4	1.4%	9278800	23.1	23.0	0.4%	9278808	23.5	23.4	0.4%				
Sm	9278796	3.1	3.0	3.3%	9278800	3.07	2.93	4.7%	9278808	3.1	3.2	3.2%				
Sn	9278796	3	< 1		9278800	< 1	< 1	0.0%	9278808	< 1	< 1	0.0%				
Sr	9278796	136	114	17.6%	9278800	156	158	1.3%	9278808	239	241	0.8%				
Ta	9278796	< 0.5	< 0.5	0.0%	9278800	< 0.5	< 0.5	0.0%	9278808	< 0.5	< 0.5	0.0%				
Tb	9278796	0.652	0.623	4.5%	9278800	0.667	0.629	5.9%	9278808	0.68	0.67	1.5%				



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Th	9278796	0.5	0.5	0.0%	9278800	0.55	0.55	0.0%	9278808	0.6	0.6	0.0%				
Ti	9278796	0.67	0.67	0.0%	9278800	0.717	0.712	0.7%	9278808	0.75	0.75	0.0%				
Tl	9278796	< 0.5	< 0.5	0.0%	9278800	< 0.5	< 0.5	0.0%	9278808	< 0.5	< 0.5	0.0%				
Tm	9278796	0.440	0.425	3.5%	9278800	0.418	0.436	4.2%	9278808	0.47	0.46	2.2%				
U	9278796	0.18	0.18	0.0%	9278800	0.16	0.16	0.0%	9278808	0.20	0.20	0.0%				
V	9278796	346	302	13.6%	9278800	311	307	1.3%	9278808	323	323	0.0%				
W	9278796	2	2	0.0%	9278800	1	< 1		9278808	2	1					
Y	9278796	26.3	25.2	4.3%	9278800	25.1	25.0	0.4%	9278808	25.9	25.4	1.9%				
Yb	9278796	2.9	2.9	0.0%	9278800	2.84	2.87	1.1%	9278808	2.91	2.96	1.7%				
Zn	9278796	357	349	2.3%	9278800	80	80	0.0%	9278808	105	95	10.0%				
Zr	9278796	67.5	64.5	4.5%	9278800	69.0	68.8	0.3%	9278808	72.4	70.8	2.2%				



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	5.86	92%	90% - 110%					6.39	5.97	93%	90% - 110%
Al	10.95	10.77	98%	90% - 110%	4.30	4.09	95%	90% - 110%	10.95	11.14	102%	90% - 110%	4.30	4.25	99%	90% - 110%
As					2.49	2.51	101%	90% - 110%								
Ba	340	331	97%	90% - 110%					340	332	98%	90% - 110%				
Be	2.6	2.8	108%	90% - 110%					2.6	2.9	110%	90% - 110%				
Ca	5.72	5.78	101%	90% - 110%	2.21	2.24	102%	90% - 110%	5.72	5.98	105%	90% - 110%	2.21	2.33	105%	90% - 110%
Ce	122	134	110%	90% - 110%					122	128	105%	90% - 110%				
Co	2.8	2.6	91%	90% - 110%	672	671	100%	90% - 110%	2.8	2.6	93%	90% - 110%	672	676	101%	90% - 110%
Cr					0.032	0.034	106%	90% - 110%					0.032	0.033	103%	90% - 110%
Cs	1.5	1.5	99%	90% - 110%					1.5	1.5	101%	90% - 110%				
Cu	7	7	101%	90% - 110%	11850	11316	95%	90% - 110%					11850	11159	94%	90% - 110%
Dy	18.2	18.3	100%	90% - 110%					18.2	18.1	100%	90% - 110%				
Er	14.2	15.4	109%	90% - 110%					14.2	15.6	110%	90% - 110%				
Eu	2.0	2.01	100%	90% - 110%					2.0	2.04	102%	90% - 110%				
Fe	4.34	4.3	99%	90% - 110%	25.54	25.17	99%	90% - 110%	4.34	4.43	102%	90% - 110%	25.54	26.9	105%	90% - 110%
Ga	35	38	109%	90% - 110%					35	38	108%	90% - 110%				
Gd	14	15	107%	90% - 110%					14	15	106%	90% - 110%				
Hf	10.6	11.5	109%	90% - 110%					10.6	10.8	102%	90% - 110%				
Ho	4.3	4.7	109%	90% - 110%					4.3	4.7	109%	90% - 110%				
K	1.37	1.37	100%	90% - 110%					1.37	1.37	100%	90% - 110%				
La	58	64	109%	90% - 110%					58	61	105%	90% - 110%				
Li	37	38	103%	90% - 110%					37	38	102%	90% - 110%				
Lu	2.1	2.2	105%	90% - 110%					2.1	2.2	106%	90% - 110%				
Mg	0.325	0.324	100%	90% - 110%	1.79	1.78	99%	90% - 110%	0.325	0.331	102%	90% - 110%	1.79	1.76	98%	90% - 110%
Mn	836	781	93%	90% - 110%	703	652	93%	90% - 110%	836	777	93%	90% - 110%	703	654	93%	90% - 110%
Nb	13	13	101%	90% - 110%					13	13	97%	90% - 110%				
Nd	57	63	110%	90% - 110%					57	60	106%	90% - 110%				
Ni	9	7	74%	90% - 110%	19530	18803	96%	90% - 110%					19530	18654	96%	90% - 110%
Pb	10	11	108%	90% - 110%	58	61	105%	90% - 110%	10	10	96%	90% - 110%	58	63	108%	90% - 110%
Pr	15.0	16	107%	90% - 110%					15.0	15.6	104%	90% - 110%				
Rb	55	56	102%	90% - 110%					55	57	103%	90% - 110%				



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S					14.14	13.74	97%	90% - 110%					14.14	13.62	96%	90% - 110%
Sc	1.1	0.8	73%	90% - 110%					1.1	0.8	73%	90% - 110%				
Si	23.3	22.2	95%	90% - 110%	15.23	14.23	93%	90% - 110%	23.3	22.8	98%	90% - 110%	15.23	14.53	95%	90% - 110%
Sm	12.7	13.9	109%	90% - 110%					12.7	13.4	105%	90% - 110%				
Sn	7.1	7	99%	90% - 110%					7.1	6.8	95%	90% - 110%				
Sr	1191	1250	105%	90% - 110%					1191	1250	105%	90% - 110%				
Ta	0.9	0.8	84%	90% - 110%					0.9	0.8	84%	90% - 110%				
Tb	2.6	2.7	104%	90% - 110%					2.6	2.6	101%	90% - 110%				
Th	1.4	1.3	95%	90% - 110%					1.4	1.4	97%	90% - 110%				
Ti	0.172	0.165	96%	90% - 110%					0.172	0.17	99%	90% - 110%				
Tm	2.3	2.5	108%	90% - 110%					2.3	2.5	107%	90% - 110%				
U	0.8	1	120%	90% - 110%					0.8	0.8	103%	90% - 110%				
V	8	7	89%	90% - 110%					8	7	83%	90% - 110%				
Y	119	121	102%	90% - 110%					119	122	103%	90% - 110%				
Yb	14.8	15.9	107%	90% - 110%					14.8	16	108%	90% - 110%				
Zn	93	95	103%	90% - 110%	235	239	102%	90% - 110%	93	97	104%	90% - 110%	235	226	96%	90% - 110%
Zr	517	567	110%	90% - 110%					517	516	100%	90% - 110%				
CRM #5 (ref.SY-4)																
Parameter	Expect	Actual	Recovery	Limits												
Al	10.95	11.01	101%	90% - 110%												
Ba	340	335	98%	90% - 110%												
Be	2.6	2.6	100%	90% - 110%												
Ca	5.72	5.94	104%	90% - 110%												
Ce	122	126	103%	90% - 110%												
Co	2.8	2.5	90%	90% - 110%												
Cs	1.5	1.6	104%	90% - 110%												
Dy	18.2	17.9	98%	90% - 110%												
Er	14.2	15.1	106%	90% - 110%												
Eu	2.0	1.98	99%	90% - 110%												
Fe	4.34	4.20	97%	90% - 110%												
Ga	35	37	105%	90% - 110%												
Gd	14	15	104%	90% - 110%												
Hf	10.6	10.7	101%	90% - 110%												
Ho	4.3	4.6	106%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

K	1.37	1.37	100%	90% - 110%															
La	58	60	103%	90% - 110%															
Li	37	38	104%	90% - 110%															
Lu	2.1	2.2	105%	90% - 110%															
Mg	0.325	0.33	101%	90% - 110%															
Mn	836	779	93%	90% - 110%															
Nb	13	12	96%	90% - 110%															
Nd	57	60	106%	90% - 110%															
Ni	9	6	71%	90% - 110%															
Pb	10	10	105%	90% - 110%															
Pr	15.0	15.3	102%	90% - 110%															
Rb	55	55	101%	90% - 110%															
Si	23.3	22.7	97%	90% - 110%															
Sm	12.7	13.4	105%	90% - 110%															
Sn	7.1	6.8	95%	90% - 110%															
Sr	1191	1260	106%	90% - 110%															
Ta	0.9	0.7	73%	90% - 110%															
Tb	2.6	2.7	102%	90% - 110%															
Th	1.4	1.2	85%	90% - 110%															
Ti	0.172	0.167	97%	90% - 110%															
Tm	2.3	2.4	105%	90% - 110%															
U	0.8	0.8	97%	90% - 110%															
V	8	7	85%	90% - 110%															
Y	119	119	100%	90% - 110%															
Yb	14.8	15.7	106%	90% - 110%															
Zn	93	93.2	100%	90% - 110%															
Zr	517	511	99%	90% - 110%															



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-132B
 SAMPLING SITE:

AGAT WORK ORDER: 18T344090
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS

Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T344090

PROJECT: DDH-132B

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT:

AGAT WORK ORDER: 18T345409

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 31, 2018

PAGES (INCLUDING COVER): 39

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561645 (9287917)		2.14
E6561646 (9287918)		0.01
E6561647 (9287919)		2.54
E6561648 (9287920)		3.08
E6561649 (9287921)		2.23
E6561650 (9287922)		2.17
E6561651 (9287923)		1.78
E6561652 (9287924)		0.81
E6561653 (9287925)		1.44
E6561654 (9287926)		2.51
E6561655 (9287927)		3.06
E6561656 (9287928)		3.01
E6561657 (9287929)		2.31
E6561658 (9287930)		2.31
E6561659 (9287931)		2.67
E6561660 (9287932)		2.64
E6561661 (9287933)		3.05
E6561662 (9287934)		2.56
E6561663 (9287935)		2.75
E6561664 (9287936)		2.37
E6561665 (9287937)		3.02
E6561666 (9287938)		0.01
E6561667 (9287939)		1.66
E6561668 (9287940)		1.82
E6561669 (9287941)		2.13
E6561670 (9287942)		2.39
E6561671 (9287943)		1.50
E6561672 (9287944)		1.21
E6561673 (9287945)		3.11
E6561674 (9287946)		2.26
E6561675 (9287947)		2.03

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 31, 2018 DATE RECEIVED: Jun 01, 2018 DATE REPORTED: Jul 31, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561676 (9287948)		3.29
E6561677 (9287949)		3.04
E6561678 (9287950)		3.04
E6561679 (9287951)		3.49
E6561680 (9287952)		2.94
E6561681 (9287953)		3.13
E6561682 (9287954)		2.80
E6561683 (9287955)		3.10
E6561684 (9287956)		2.88
E6561685 (9287957)		2.97
E6561686 (9287958)		0.01
E6561687 (9287959)		2.71
E6561688 (9287960)		2.63
E6561689 (9287961)		2.51
E6561690 (9287962)		2.51
E6561691 (9287963)		2.50
E6561692 (9287964)		1.44
E6561693 (9287965)		2.28
E6561694 (9287966)		2.47
E6561695 (9287967)		3.08
E6561696 (9287968)		2.59
E6561697 (9287969)		2.54
E6561698 (9287970)		2.54
E6561699 (9287971)		2.54
E6561700 (9287972)		2.23
E6561701 (9287973)		0.62
E6561702 (9287974)		1.40
E6561703 (9287975)		0.80
E6561704 (9287976)		1.00
E6561705 (9287977)		2.33
E6561706 (9287978)		0.01

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561707 (9287979)		2.15
E6561708 (9287980)		2.29
E6561709 (9287981)		2.11
E6561710 (9287982)		2.10
E6561711 (9287983)		2.22
E6561712 (9287984)		1.28
E6561713 (9287985)		2.30
E6561714 (9287986)		2.43
E6561715 (9287987)		2.34
E6561716 (9287988)		2.29
E6561717 (9287989)		2.37
E6561718 (9287990)		1.09
E6561719 (9287991)		2.28
E6561720 (9287992)		2.50
E6561721 (9287993)		2.34
E6561722 (9287994)		2.50
E6561723 (9287995)		2.07
E6561724 (9287996)		2.18
E6561725 (9287997)		2.31
E6561726 (9287998)		0.01
E6561727 (9287999)		2.16
E6561728 (9288000)		2.43
E6561729 (9288001)		2.17
E6561730 (9288002)		2.43
E6561731 (9288003)		2.17
E6561732 (9288004)		1.34
E6561733 (9288005)		2.41
E6561734 (9288006)		2.23
E6561735 (9288007)		2.33
E6561736 (9288008)		2.41
E6561737 (9288009)		2.33

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6561738 (9288010)		1.14
E6561739 (9288011)		2.21
E6561740 (9288012)		2.39
E6561741 (9288013)		0.75
E6561742 (9288014)		1.81
E6561743 (9288015)		1.90
E6561744 (9288016)		2.23
E6561745 (9288017)		2.18
E6561746 (9288018)		0.01
E6561747 (9288019)		2.55
E6561748 (9288020)		1.78

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6561645 (9287917)	<1	8.54	29	<20	195	<5	0.2	8.17	0.2	11.7	47.3	0.031	0.6	89
E6561646 (9287918)	<1	5.15	546	113	183	<5	8.1	4.38	<0.2	77.8	1010	0.006	2.9	3230
E6561647 (9287919)	<1	7.86	36	21	205	<5	0.4	7.17	0.4	11.2	53.8	0.027	0.8	127
E6561648 (9287920)	<1	7.95	86	23	64.8	<5	0.7	10.1	0.4	12.2	69.2	0.028	0.2	239
E6561649 (9287921)	<1	9.40	49	<20	150	<5	0.2	7.39	0.5	14.4	54.1	0.033	0.7	70
E6561650 (9287922)	<1	8.29	41	24	135	<5	0.3	6.53	0.2	12.0	54.4	0.028	1.1	208
E6561651 (9287923)	<1	8.42	40	<20	171	<5	0.3	5.90	0.2	11.8	53.4	0.029	1.4	106
E6561652 (9287924)	<1	0.08	<5	<20	16.5	<5	<0.1	34.4	<0.2	1.1	1.5	<0.005	<0.1	9
E6561653 (9287925)	1	8.11	32	<20	209	<5	0.7	7.63	0.5	13.6	38.6	0.024	0.5	320
E6561654 (9287926)	<1	8.33	33	<20	114	<5	0.3	6.34	<0.2	13.5	46.8	0.026	1.1	86
E6561655 (9287927)	<1	8.31	25	<20	75.9	<5	0.2	5.85	<0.2	12.6	54.6	0.028	1.9	126
E6561656 (9287928)	<1	8.07	20	<20	70.9	<5	0.1	6.10	<0.2	12.1	51.2	0.028	1.1	125
E6561657 (9287929)	<1	7.93	24	<20	85.9	<5	0.2	5.44	<0.2	11.7	54.4	0.026	1.5	123
E6561658 (9287930)	<1	7.93	25	<20	83.4	<5	0.3	5.41	<0.2	12.2	58.2	0.026	1.5	116
E6561659 (9287931)	<1	7.66	18	<20	94.6	<5	0.2	5.55	<0.2	11.3	46.2	0.025	1.1	144
E6561660 (9287932)	<1	7.65	17	<20	90.0	<5	0.3	5.36	<0.2	13.1	54.7	0.024	0.6	88
E6561661 (9287933)	<1	8.10	12	<20	87.9	<5	0.3	5.96	<0.2	12.8	48.9	0.026	0.6	125
E6561662 (9287934)	<1	7.73	8	<20	90.3	<5	0.4	5.17	<0.2	12.1	51.1	0.024	0.8	145
E6561663 (9287935)	<1	7.45	10	<20	87.6	<5	0.2	5.75	<0.2	11.6	51.9	0.024	0.9	121
E6561664 (9287936)	<1	6.62	18	<20	117	<5	0.2	5.25	<0.2	30.3	55.9	0.088	2.0	83
E6561665 (9287937)	<1	6.94	30	<20	138	<5	0.4	4.36	<0.2	18.5	54.5	0.083	1.5	112
E6561666 (9287938)	<1	4.72	560	105	171	<5	8.8	4.02	<0.2	76.8	1050	0.006	2.9	2990
E6561667 (9287939)	<1	6.88	130	<20	127	<5	0.5	2.37	<0.2	62.4	207	0.141	1.1	140
E6561668 (9287940)	<1	7.49	87	<20	101	<5	1.3	1.27	<0.2	15.9	85.2	0.024	1.4	326
E6561669 (9287941)	<1	8.20	187	21	73.6	<5	2.5	1.15	<0.2	9.3	60.9	0.023	4.2	477
E6561670 (9287942)	<1	8.36	85	<20	44.0	<5	1.6	0.63	<0.2	26.5	222	0.021	2.7	223
E6561671 (9287943)	<1	8.21	78	24	93.0	<5	1.8	1.06	<0.2	19.2	92.2	0.023	2.9	290
E6561672 (9287944)	<1	0.08	<5	<20	13.4	<5	<0.1	33.0	<0.2	1.1	1.4	<0.005	<0.1	8
E6561673 (9287945)	<1	9.05	50	<20	42.8	<5	0.7	1.16	<0.2	17.5	134	0.023	1.6	3150
E6561674 (9287946)	<1	7.87	321	<20	58.9	<5	4.7	1.84	<0.2	11.8	123	0.065	1.9	997
E6561675 (9287947)	<1	7.65	37	44	281	<5	0.7	4.30	<0.2	11.1	49.6	0.021	3.2	280
E6561676 (9287948)	<1	8.50	27	39	344	<5	0.4	4.76	2.6	14.0	50.0	0.025	4.0	154

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6561677 (9287949)	<1	8.52	21	34	363	<5	0.3	4.96	<0.2	13.8	39.1	0.024	3.9	159
E6561678 (9287950)	<1	8.59	20	35	377	<5	0.4	4.99	<0.2	14.9	41.3	0.023	4.3	148
E6561679 (9287951)	<1	6.80	38	20	194	<5	1.4	6.35	0.4	15.3	57.1	0.022	2.8	360
E6561680 (9287952)	<1	7.31	24	23	446	<5	0.4	5.81	<0.2	10.6	64.1	0.027	3.8	322
E6561681 (9287953)	<1	6.99	10	<20	306	<5	0.1	4.87	1.1	60.9	37.9	0.032	0.9	34
E6561682 (9287954)	<1	7.31	8	27	227	<5	0.3	6.17	0.9	7.5	45.1	0.026	1.1	81
E6561683 (9287955)	<1	7.27	<5	24	227	<5	0.1	5.69	<0.2	6.9	42.9	0.026	1.5	20
E6561684 (9287956)	<1	7.35	9	<20	194	<5	0.2	5.50	0.5	14.0	38.9	0.030	1.4	77
E6561685 (9287957)	<1	6.25	23	<20	138	<5	0.3	5.24	0.6	27.2	51.2	0.078	2.4	69
E6561686 (9287958)	<1	4.56	544	112	164	<5	8.4	4.17	<0.2	73.1	1000	0.006	2.9	3160
E6561687 (9287959)	2	7.51	27	<20	187	<5	0.7	5.17	<0.2	14.6	66.8	0.021	4.4	207
E6561688 (9287960)	<1	7.58	12	<20	200	<5	0.4	6.30	<0.2	11.1	47.0	0.021	1.8	112
E6561689 (9287961)	<1	7.46	38	<20	154	<5	1.3	4.64	0.7	11.6	47.5	0.020	2.5	266
E6561690 (9287962)	<1	7.24	7	<20	171	<5	0.3	6.27	<0.2	14.1	48.9	0.019	3.0	99
E6561691 (9287963)	<1	7.66	<5	<20	215	<5	0.2	5.74	<0.2	12.4	52.5	0.020	4.9	105
E6561692 (9287964)	<1	0.07	<5	<20	12.2	<5	<0.1	33.9	<0.2	1.0	1.3	<0.005	<0.1	9
E6561693 (9287965)	<1	7.67	<5	<20	157	<5	0.3	5.77	<0.2	12.9	50.8	0.021	3.3	123
E6561694 (9287966)	<1	7.52	<5	<20	296	<5	0.2	6.00	<0.2	12.7	48.8	0.020	2.3	85
E6561695 (9287967)	<1	7.49	6	<20	270	<5	0.3	5.86	0.5	12.3	48.2	0.020	2.1	134
E6561696 (9287968)	<1	7.55	10	<20	234	<5	0.3	5.86	<0.2	12.5	56.1	0.020	2.5	228
E6561697 (9287969)	<1	7.82	12	<20	219	<5	0.4	4.51	0.3	12.3	41.4	0.019	1.8	198
E6561698 (9287970)	1	7.91	12	<20	218	<5	0.4	4.55	0.3	12.3	40.9	0.020	1.8	209
E6561699 (9287971)	4	8.06	<5	<20	793	<5	0.1	3.03	3.3	31.5	14.2	0.016	0.6	122
E6561700 (9287972)	<1	7.28	11	<20	50.1	<5	0.3	0.53	<0.2	25.0	12.9	0.014	0.3	13
E6561701 (9287973)	<1	7.95	96	<20	142	<5	1.0	1.21	0.6	38.4	52.4	0.013	0.3	73
E6561702 (9287974)	<1	8.11	<5	<20	1380	<5	0.1	2.29	<0.2	30.2	10.3	0.015	0.3	130
E6561703 (9287975)	6	7.90	13	<20	132	<5	0.3	3.64	<0.2	26.2	11.9	0.014	0.3	437
E6561704 (9287976)	<1	8.76	88	<20	51.0	<5	0.8	2.18	<0.2	12.6	69.3	0.023	0.8	179
E6561705 (9287977)	18	8.19	56	<20	303	<5	0.4	5.61	<0.2	12.6	43.5	0.023	2.0	57
E6561706 (9287978)	47	6.38	61700	22	24.3	<5	565	8.56	<0.2	17.7	19200	0.022	0.7	71
E6561707 (9287979)	1	8.71	30	29	297	<5	0.2	5.62	<0.2	9.7	36.0	0.024	2.8	30
E6561708 (9287980)	<1	8.54	39	26	296	<5	0.2	5.95	<0.2	14.3	47.8	0.023	2.3	48

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm	
E6561709 (9287981)	<1	7.84	13	<20	194	<5	0.2	7.91	0.7	13.4	48.4	0.022	0.8	90	
E6561710 (9287982)	<1	8.64	12	<20	193	<5	0.2	5.82	0.3	9.9	45.5	0.023	2.2	35	
E6561711 (9287983)	<1	8.87	6	22	163	<5	0.2	7.38	1.0	13.4	51.8	0.024	1.2	44	
E6561712 (9287984)	<1	0.08	<5	<20	12.1	<5	<0.1	36.0	<0.2	0.9	1.4	<0.005	<0.1	10	
E6561713 (9287985)	6	8.78	<5	<20	171	<5	0.2	7.14	0.2	12.3	50.7	0.025	2.6	26	
E6561714 (9287986)	1	8.41	<5	32	486	<5	0.2	6.06	0.7	38.0	43.7	0.026	1.5	104	
E6561715 (9287987)	<1	8.69	<5	54	452	<5	0.2	8.98	<0.2	13.2	44.7	0.025	0.5	30	
E6561716 (9287988)	<1	8.67	<5	<20	181	<5	0.2	8.51	<0.2	12.6	52.8	0.025	2.5	87	
E6561717 (9287989)	1	8.27	<5	<20	149	<5	0.3	8.03	<0.2	13.1	57.7	0.024	2.9	93	
E6561718 (9287990)	<1	8.37	<5	<20	158	<5	0.2	8.57	<0.2	12.9	58.6	0.025	2.4	106	
E6561719 (9287991)	<1	8.64	<5	<20	112	<5	0.1	7.99	<0.2	12.5	58.2	0.025	1.4	109	
E6561720 (9287992)	<1	8.85	<5	45	151	<5	0.1	8.73	<0.2	13.1	57.2	0.026	0.6	53	
E6561721 (9287993)	<1	8.60	<5	<20	174	<5	0.2	7.79	<0.2	13.9	61.7	0.025	2.0	133	
E6561722 (9287994)	1	9.13	<5	<20	181	<5	0.2	7.62	<0.2	14.4	59.5	0.027	1.2	72	
E6561723 (9287995)	<1	9.38	6	31	246	<5	0.2	6.88	0.6	12.5	63.1	0.026	1.3	108	
E6561724 (9287996)	<1	9.20	<5	<20	126	<5	0.1	7.23	<0.2	12.6	62.2	0.027	0.6	70	
E6561725 (9287997)	<1	9.03	<5	<20	172	<5	0.2	7.42	<0.2	12.6	58.7	0.026	1.6	87	
E6561726 (9287998)	1	5.07	529	118	194	<5	8.9	4.57	<0.2	75.4	1030	0.006	2.9	3380	
E6561727 (9287999)	<1	8.91	<5	<20	275	<5	0.2	7.38	<0.2	12.9	56.6	0.024	1.0	81	
E6561728 (9288000)	<1	8.79	<5	<20	150	<5	0.3	7.60	<0.2	12.7	55.7	0.024	1.5	137	
E6561729 (9288001)	<1	8.85	<5	25	152	<5	0.2	6.95	<0.2	11.4	55.7	0.024	2.0	168	
E6561730 (9288002)	<1	8.60	<5	22	124	<5	<0.1	6.99	<0.2	10.6	49.9	0.023	1.0	126	
E6561731 (9288003)	<1	8.84	<5	<20	108	<5	0.1	6.63	0.6	9.9	48.3	0.023	2.6	133	
E6561732 (9288004)	<1	0.08	<5	<20	15.1	<5	<0.1	35.9	<0.2	1.0	1.4	<0.005	<0.1	10	
E6561733 (9288005)	<1	8.61	<5	<20	191	<5	0.2	6.91	<0.2	11.5	52.5	0.023	5.4	69	
E6561734 (9288006)	<1	8.95	5	<20	185	<5	<0.1	6.00	<0.2	11.0	57.5	0.023	7.4	72	
E6561735 (9288007)	<1	8.87	8	<20	245	<5	<0.1	6.68	0.3	11.9	58.5	0.024	3.4	71	
E6561736 (9288008)	<1	8.95	6	<20	180	<5	<0.1	5.86	0.7	10.6	53.6	0.024	2.2	40	
E6561737 (9288009)	<1	8.94	<5	21	254	<5	0.1	6.86	<0.2	12.4	55.5	0.023	3.0	79	
E6561738 (9288010)	<1	9.02	<5	<20	257	<5	0.1	6.85	<0.2	12.4	56.7	0.024	3.3	87	
E6561739 (9288011)	<1	8.75	<5	24	353	<5	0.3	7.28	0.5	15.3	52.7	0.022	3.3	170	
E6561740 (9288012)	<1	9.92	<5	23	380	<5	0.2	7.90	<0.2	14.2	63.7	0.027	5.6	120	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6561741 (9288013)		<1	8.49	<5	32	353	<5	0.3	7.16	<0.2	16.7	73.6	0.020	2.6	182
E6561742 (9288014)		<1	9.77	<5	<20	300	<5	<0.1	6.16	<0.2	12.8	54.1	0.027	3.5	82
E6561743 (9288015)		<1	8.49	<5	<20	279	<5	<0.1	6.01	<0.2	12.8	55.3	>30	3.6	62
E6561744 (9288016)		<1	8.36	<5	<20	387	<5	0.1	6.78	<0.2	13.7	57.1	>30	2.5	54
E6561745 (9288017)		<1	8.15	<5	<20	346	<5	0.1	7.61	<0.2	13.9	57.9	>30	1.8	89
E6561746 (9288018)		<1	4.56	532	104	171	<5	8.6	3.96	<0.2	71.4	1020	0.006	2.8	3010
E6561747 (9288019)		<1	7.96	11	<20	564	<5	0.2	6.55	<0.2	34.1	53.3	0.033	1.9	615
E6561748 (9288020)		<1	6.08	5	<20	367	<5	<0.1	5.10	1.2	56.6	39.0	0.048	0.7	37

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6561645 (9287917)	3.92	2.44	0.94	10.4	17.6	3.31	2	2	0.81	<0.2	0.88	4.7	<10	0.40
E6561646 (9287918)	3.06	1.99	0.93	3.62	11.7	4.20	1	5	0.61	0.2	3.39	35.3	<10	0.28
E6561647 (9287919)	3.98	2.53	0.93	10.5	17.1	3.12	2	2	0.85	<0.2	0.97	4.4	13	0.40
E6561648 (9287920)	4.07	2.80	0.99	13.5	18.3	3.54	2	2	0.92	<0.2	0.35	5.0	<10	0.46
E6561649 (9287921)	4.18	2.70	1.13	9.56	20.4	3.69	2	2	0.92	<0.2	0.75	5.8	<10	0.43
E6561650 (9287922)	3.70	2.42	1.01	11.4	18.1	3.27	2	2	0.81	<0.2	0.64	4.7	21	0.36
E6561651 (9287923)	4.29	2.59	1.00	11.1	18.1	3.45	2	2	0.89	<0.2	0.72	4.4	25	0.40
E6561652 (9287924)	0.23	0.19	0.06	0.12	0.19	0.22	<1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05
E6561653 (9287925)	3.97	2.43	1.29	10.1	22.4	3.17	2	2	0.87	<0.2	1.56	5.8	17	0.39
E6561654 (9287926)	3.92	2.53	1.02	10.4	20.0	3.36	2	2	0.87	<0.2	0.54	5.5	21	0.38
E6561655 (9287927)	4.17	2.68	0.96	10.5	17.0	3.43	2	2	0.91	<0.2	0.42	4.6	22	0.40
E6561656 (9287928)	3.72	2.57	0.89	10.3	16.8	3.17	2	2	0.86	<0.2	0.36	4.7	16	0.35
E6561657 (9287929)	3.99	2.55	0.95	10.2	17.3	3.34	2	2	0.86	<0.2	0.39	4.4	21	0.40
E6561658 (9287930)	4.21	2.79	0.95	10.2	18.9	3.53	2	2	0.92	<0.2	0.40	4.6	21	0.42
E6561659 (9287931)	3.63	2.50	0.86	10.0	16.2	3.08	2	2	0.77	<0.2	0.51	4.4	19	0.37
E6561660 (9287932)	4.08	2.72	1.15	9.84	18.6	3.49	2	2	0.90	<0.2	0.49	5.4	19	0.40
E6561661 (9287933)	3.98	2.65	0.98	10.4	19.4	3.45	2	2	0.83	<0.2	0.38	5.3	20	0.36
E6561662 (9287934)	4.05	2.78	0.96	9.63	17.7	3.50	2	2	0.84	<0.2	0.41	4.7	18	0.42
E6561663 (9287935)	3.77	2.47	1.00	9.54	17.7	3.27	2	2	0.80	<0.2	0.36	4.5	14	0.36
E6561664 (9287936)	3.33	1.98	1.15	8.87	15.5	3.86	2	2	0.70	<0.2	0.41	13.6	39	0.29
E6561665 (9287937)	3.22	2.27	1.03	8.85	14.7	3.18	2	2	0.71	<0.2	0.63	7.7	44	0.32
E6561666 (9287938)	3.07	2.02	1.00	3.39	12.4	4.31	2	5	0.65	0.3	3.08	37.9	<10	0.31
E6561667 (9287939)	3.89	2.14	2.31	10.8	19.5	5.80	2	2	0.72	<0.2	0.43	33.7	87	0.24
E6561668 (9287940)	4.75	3.00	1.30	13.0	19.1	3.96	2	3	0.98	<0.2	0.98	6.0	68	0.45
E6561669 (9287941)	4.15	2.84	1.52	14.6	22.5	2.79	2	2	0.91	<0.2	1.00	3.6	66	0.41
E6561670 (9287942)	3.93	2.48	2.10	15.2	21.4	3.87	2	2	0.79	<0.2	0.67	13.9	46	0.36
E6561671 (9287943)	4.59	2.97	1.55	12.0	20.6	3.49	2	2	0.96	<0.2	1.12	10.6	66	0.44
E6561672 (9287944)	0.22	0.17	0.05	0.13	0.22	0.19	1	<1	0.07	<0.2	<0.05	1.4	<10	<0.05
E6561673 (9287945)	2.14	1.21	0.90	13.3	20.0	2.39	2	1	0.43	0.5	0.45	9.8	41	0.19
E6561674 (9287946)	3.14	1.94	0.96	13.1	19.4	2.72	2	2	0.66	<0.2	0.56	5.2	69	0.31
E6561675 (9287947)	3.33	2.31	0.98	11.4	16.9	2.78	2	2	0.80	<0.2	1.28	4.0	71	0.39
E6561676 (9287948)	3.91	2.64	1.05	8.80	18.7	3.36	1	2	0.83	<0.2	1.53	5.3	30	0.40

Certified By:



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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
Sample ID (AGAT ID)														
E6561677 (9287949)	3.53	2.36	0.98	9.07	19.0	3.14	1	2	0.80	<0.2	1.62	5.5	32	0.32
E6561678 (9287950)	3.99	2.53	1.02	8.86	20.2	3.47	2	2	0.83	<0.2	1.69	6.0	30	0.38
E6561679 (9287951)	3.71	2.42	0.97	12.1	17.1	3.22	2	2	0.73	<0.2	0.76	6.2	20	0.38
E6561680 (9287952)	3.14	1.93	0.76	9.06	16.8	2.50	2	2	0.66	<0.2	1.41	4.3	27	0.29
E6561681 (9287953)	3.72	1.88	1.73	6.07	16.7	5.23	1	4	0.67	<0.2	0.86	27.4	20	0.27
E6561682 (9287954)	2.82	1.72	0.75	8.27	14.6	2.37	2	1	0.62	<0.2	0.93	3.1	25	0.28
E6561683 (9287955)	2.86	1.95	0.70	8.27	15.2	2.25	2	1	0.61	<0.2	0.88	2.8	31	0.28
E6561684 (9287956)	3.13	2.23	0.86	8.50	16.1	2.85	2	2	0.70	<0.2	0.62	5.8	37	0.34
E6561685 (9287957)	3.64	1.96	1.05	8.21	14.9	3.95	2	2	0.72	<0.2	0.51	11.7	41	0.32
E6561686 (9287958)	3.10	1.93	1.04	3.11	11.4	4.08	2	5	0.63	0.3	3.20	35.8	<10	0.30
E6561687 (9287959)	4.03	2.73	1.07	10.1	18.3	3.74	2	2	0.91	<0.2	0.83	5.7	36	0.41
E6561688 (9287960)	3.84	2.50	0.94	9.19	16.8	3.03	1	2	0.86	<0.2	0.85	4.0	24	0.37
E6561689 (9287961)	3.93	2.70	1.20	9.28	17.0	3.41	2	2	0.83	<0.2	0.61	4.3	36	0.39
E6561690 (9287962)	4.29	2.94	0.95	9.17	18.9	3.58	2	2	0.93	<0.2	0.83	5.5	25	0.43
E6561691 (9287963)	4.19	2.83	0.98	9.09	17.4	3.48	2	2	0.92	<0.2	1.06	4.8	30	0.41
E6561692 (9287964)	0.18	0.11	<0.05	0.10	0.14	0.21	<1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6561693 (9287965)	4.16	2.84	1.07	9.36	17.0	3.53	2	2	0.90	<0.2	0.73	5.0	26	0.43
E6561694 (9287966)	3.96	2.48	0.98	9.35	17.4	3.32	2	2	0.88	<0.2	1.07	5.1	30	0.42
E6561695 (9287967)	4.04	2.64	0.95	9.31	17.2	3.35	2	2	0.88	<0.2	0.96	4.7	28	0.44
E6561696 (9287968)	3.75	2.51	1.07	9.47	17.1	3.38	2	2	0.83	<0.2	0.83	4.9	26	0.44
E6561697 (9287969)	3.91	2.56	0.93	9.34	18.8	3.31	2	2	0.83	<0.2	0.72	5.0	31	0.39
E6561698 (9287970)	3.99	2.52	1.40	9.43	19.5	3.35	2	2	0.83	<0.2	0.72	5.0	29	0.40
E6561699 (9287971)	1.55	0.89	1.62	3.01	19.3	2.39	<1	3	0.27	<0.2	0.56	14.6	<10	0.12
E6561700 (9287972)	1.62	0.98	0.71	3.57	11.2	2.11	<1	4	0.34	<0.2	0.37	10.7	14	0.17
E6561701 (9287973)	1.65	0.99	0.93	5.22	15.3	2.47	1	3	0.32	<0.2	0.41	17.6	18	0.16
E6561702 (9287974)	1.41	0.75	1.01	2.69	19.9	2.53	1	3	0.29	<0.2	0.56	14.2	11	0.11
E6561703 (9287975)	1.88	1.05	0.67	2.64	11.7	2.64	<1	3	0.37	<0.2	0.27	11.5	11	0.15
E6561704 (9287976)	3.40	2.24	0.59	9.87	17.5	3.03	1	2	0.78	<0.2	0.22	4.9	41	0.35
E6561705 (9287977)	4.28	2.81	1.09	9.08	17.0	3.60	2	2	0.93	<0.2	0.91	5.0	32	0.43
E6561706 (9287978)	7.37	3.91	0.70	8.16	12.5	6.56	1	<1	1.40	0.3	0.12	6.9	34	0.53
E6561707 (9287979)	3.66	2.54	0.96	7.93	18.5	2.99	2	2	0.82	<0.2	1.12	3.7	35	0.40
E6561708 (9287980)	4.10	2.78	1.07	9.01	17.8	3.35	2	2	0.83	<0.2	1.17	5.9	35	0.42

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6561709 (9287981)	3.78	2.51	1.17	9.68	18.1	3.52	2	2	0.83	<0.2	0.79	5.3	22	0.37	
E6561710 (9287982)	3.91	2.60	0.87	8.71	17.8	3.04	1	2	0.84	<0.2	0.80	3.6	34	0.41	
E6561711 (9287983)	4.41	2.96	0.97	8.32	19.0	3.71	2	2	0.97	<0.2	0.66	5.2	18	0.40	
E6561712 (9287984)	0.23	0.14	<0.05	0.11	0.23	0.24	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05	
E6561713 (9287985)	4.18	2.52	1.04	7.48	19.0	3.36	2	2	0.82	<0.2	0.66	4.9	16	0.39	
E6561714 (9287986)	4.55	2.57	1.55	7.15	18.7	5.31	1	3	0.86	<0.2	0.73	17.1	17	0.35	
E6561715 (9287987)	4.04	2.68	1.11	8.61	18.5	3.51	2	2	0.85	<0.2	0.80	5.3	10	0.41	
E6561716 (9287988)	4.13	2.81	1.03	9.61	18.3	3.53	2	2	0.87	<0.2	0.72	4.9	14	0.43	
E6561717 (9287989)	4.42	2.85	1.10	9.81	18.2	3.55	2	2	0.95	<0.2	0.70	5.0	13	0.47	
E6561718 (9287990)	4.36	2.90	1.17	10.1	18.5	3.85	2	2	0.90	<0.2	0.70	5.1	13	0.46	
E6561719 (9287991)	4.30	2.88	1.00	10.2	18.3	3.64	2	2	0.92	<0.2	0.56	4.8	13	0.41	
E6561720 (9287992)	4.16	2.70	1.12	9.71	18.9	3.87	2	2	0.94	<0.2	0.64	5.2	<10	0.45	
E6561721 (9287993)	4.21	3.02	1.00	9.38	19.1	3.63	2	2	0.94	<0.2	0.81	5.4	13	0.42	
E6561722 (9287994)	4.12	2.81	1.21	8.55	19.4	3.74	2	2	0.87	<0.2	0.83	5.7	12	0.39	
E6561723 (9287995)	4.40	2.88	0.90	9.15	19.7	3.52	1	2	0.96	<0.2	0.87	4.6	19	0.44	
E6561724 (9287996)	4.35	2.73	0.93	7.90	19.0	3.91	2	2	0.97	<0.2	0.40	4.8	<10	0.43	
E6561725 (9287997)	4.33	2.80	1.05	8.32	19.8	3.48	2	2	0.88	<0.2	0.56	4.8	17	0.43	
E6561726 (9287998)	3.21	1.90	0.97	3.31	11.6	4.11	1	5	0.64	0.2	3.44	37.4	<10	0.29	
E6561727 (9287999)	3.97	2.62	1.08	8.22	18.4	3.48	2	2	0.86	<0.2	0.52	5.4	12	0.39	
E6561728 (9288000)	3.86	2.59	0.95	9.46	19.4	3.28	2	2	0.87	<0.2	0.49	5.2	13	0.40	
E6561729 (9288001)	3.83	2.44	0.98	10.1	18.4	3.28	2	2	0.82	<0.2	0.64	4.3	24	0.41	
E6561730 (9288002)	3.72	2.42	1.08	10.0	17.0	3.04	2	2	0.78	<0.2	0.66	4.1	22	0.40	
E6561731 (9288003)	3.36	2.30	0.96	9.76	16.1	2.99	1	2	0.76	<0.2	0.71	4.1	26	0.38	
E6561732 (9288004)	0.18	0.15	0.76	0.11	0.21	0.25	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05	
E6561733 (9288005)	3.97	2.64	0.88	9.28	17.0	3.35	1	2	0.91	<0.2	1.03	4.4	33	0.40	
E6561734 (9288006)	3.82	2.53	0.93	8.84	18.5	3.30	1	2	0.87	<0.2	1.24	4.2	39	0.40	
E6561735 (9288007)	4.03	2.50	0.93	8.67	18.4	3.41	1	2	0.88	<0.2	1.02	4.6	31	0.44	
E6561736 (9288008)	3.57	2.69	0.88	7.72	17.8	3.20	1	2	0.83	<0.2	0.77	4.1	24	0.38	
E6561737 (9288009)	4.11	2.78	1.05	8.32	18.5	3.38	2	2	0.87	<0.2	0.93	4.9	23	0.39	
E6561738 (9288010)	4.22	2.73	1.17	8.43	18.4	3.48	2	2	0.94	<0.2	0.98	4.7	25	0.44	
E6561739 (9288011)	4.07	2.48	1.09	9.07	18.6	3.75	2	2	0.85	<0.2	1.21	6.2	18	0.44	
E6561740 (9288012)	4.34	2.91	1.18	8.56	21.1	3.83	2	2	0.95	<0.2	1.33	5.6	23	0.43	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	K %	La ppm	Li ppm	Lu ppm
E6561741 (9288013)		3.76	2.42	1.10	9.31	17.9	3.51	2	2	0.81	<0.2	1.30	7.0	24	0.37
E6561742 (9288014)		3.77	2.46	0.91	7.14	19.0	3.18	1	2	0.84	<0.2	1.06	4.7	29	0.39
E6561743 (9288015)		3.84	2.48	1.04	6.57	19.4	3.53	1	2	0.82	<0.2	0.94	5.0	29	0.36
E6561744 (9288016)		4.06	2.55	1.00	6.98	19.7	3.60	1	2	0.83	<0.2	1.00	5.5	23	0.37
E6561745 (9288017)		4.13	2.36	0.86	7.38	20.2	3.74	1	2	0.89	<0.2	0.86	5.9	19	0.37
E6561746 (9288018)		3.17	1.82	0.92	2.91	11.7	4.14	1	5	0.62	0.2	3.03	34.8	<10	0.26
E6561747 (9288019)		4.30	2.65	1.57	7.48	18.7	4.86	2	3	0.88	<0.2	0.83	15.2	27	0.39
E6561748 (9288020)		4.25	1.98	2.06	9.02	17.3	6.46	1	4	0.79	<0.2	0.46	23.3	39	0.25

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561645 (9287917)	3.07	2130	10	3	8.1	109	0.05	20	1.72	27.6	0.10	0.9	42	24.0	
E6561646 (9287918)	2.87	477	12	8	29.2	185	0.08	15	8.33	109	1.74	1.6	7	28.9	
E6561647 (9287919)	4.33	2440	9	3	7.8	108	0.04	69	1.72	35.1	0.14	0.6	40	23.1	
E6561648 (9287920)	3.52	2490	8	2	8.6	124	0.04	95	1.85	8.4	0.75	1.4	48	21.2	
E6561649 (9287921)	2.73	2000	4	3	9.5	103	0.05	61	2.14	23.4	0.10	0.7	46	24.7	
E6561650 (9287922)	5.01	2240	11	3	8.5	110	0.05	61	1.76	20.2	0.21	0.9	42	23.2	
E6561651 (9287923)	5.13	2080	7	3	7.9	114	0.04	148	1.72	24.7	0.15	0.5	44	22.8	
E6561652 (9287924)	2.39	65	<2	<1	0.9	<5	0.01	<5	0.22	0.5	<0.01	<0.1	<5	3.63	
E6561653 (9287925)	4.29	1720	7	2	9.7	91	0.04	1240	1.93	40.5	0.10	0.7	36	22.2	
E6561654 (9287926)	4.39	1970	7	3	8.8	101	0.04	150	1.94	17.7	0.05	0.5	41	22.9	
E6561655 (9287927)	4.68	1950	<2	3	8.7	111	0.05	20	1.85	16.5	0.10	0.3	43	23.2	
E6561656 (9287928)	4.57	1800	2	3	8.3	106	0.04	20	1.79	11.8	0.13	0.3	42	23.2	
E6561657 (9287929)	4.63	1800	3	3	8.4	105	0.05	20	1.84	15.5	0.13	0.3	41	22.0	
E6561658 (9287930)	4.63	1760	3	3	8.8	102	0.04	17	1.85	16.3	0.13	0.4	40	21.8	
E6561659 (9287931)	4.49	1880	2	3	8.0	101	0.04	16	1.75	16.7	0.13	0.4	39	21.7	
E6561660 (9287932)	4.36	1780	<2	3	9.0	95	0.04	17	1.93	15.4	0.06	0.4	37	21.3	
E6561661 (9287933)	4.48	1810	<2	3	8.9	101	0.04	9	1.96	12.0	0.03	0.5	40	22.1	
E6561662 (9287934)	4.38	1750	<2	3	8.1	100	0.04	19	1.81	17.0	0.05	0.5	39	21.8	
E6561663 (9287935)	4.26	1640	<2	3	8.2	99	0.04	11	1.75	13.6	0.08	0.5	37	20.9	
E6561664 (9287936)	7.46	1450	<2	3	17.0	226	0.13	9	4.07	17.9	<0.01	0.6	31	21.7	
E6561665 (9287937)	7.39	1420	<2	2	10.9	273	0.10	<5	2.50	20.1	0.13	0.6	34	21.4	
E6561666 (9287938)	2.68	447	13	9	30.7	170	0.07	15	8.78	112	1.62	1.7	7	26.2	
E6561667 (9287939)	8.47	1260	5	3	27.9	535	0.16	<5	7.51	10.4	0.52	0.6	21	20.6	
E6561668 (9287940)	6.14	999	4	4	9.9	129	0.11	<5	2.21	16.2	2.75	0.5	31	19.7	
E6561669 (9287941)	6.15	1180	8	4	6.1	106	0.05	5	1.36	33.2	1.47	0.6	42	18.6	
E6561670 (9287942)	6.05	1320	13	3	13.1	113	0.05	<5	3.25	13.8	1.65	0.5	36	19.0	
E6561671 (9287943)	5.10	1000	7	3	9.8	110	0.05	<5	2.42	28.0	1.39	0.7	42	21.3	
E6561672 (9287944)	2.08	62	<2	<1	0.8	<5	<0.01	<5	0.24	0.3	<0.01	0.1	<5	4.12	
E6561673 (9287945)	5.53	1370	2	2	8.1	90	0.03	7	2.07	10.8	0.91	0.4	23	20.0	
E6561674 (9287946)	6.06	1480	10	3	7.7	292	0.07	95	1.71	12.2	1.07	0.8	34	20.4	
E6561675 (9287947)	5.70	1620	<2	3	6.4	87	0.05	8	1.61	44.0	0.56	0.9	37	21.0	
E6561676 (9287948)	3.09	1740	4	3	9.3	90	0.05	62	2.07	80.9	0.44	1.2	33	23.7	

Certified By:



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MISSISSAUGA, ONTARIO
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561677 (9287949)	3.08	1810	5	3	8.9	70	0.05	43	2.08	79.6	0.27	1.1	32	23.4	
E6561678 (9287950)	3.01	1870	5	3	9.8	71	0.05	51	2.14	87.5	0.27	1.2	32	23.9	
E6561679 (9287951)	3.32	2170	6	3	9.7	218	0.06	41	2.18	36.6	1.35	1.9	29	21.0	
E6561680 (9287952)	3.50	1750	4	2	6.7	133	0.04	75	1.55	73.9	1.16	1.4	37	22.7	
E6561681 (9287953)	4.24	1350	4	5	30.1	159	0.15	101	7.79	29.6	0.03	0.8	25	25.5	
E6561682 (9287954)	4.90	1760	2	2	5.1	146	0.03	153	1.13	39.6	0.08	1.0	39	22.7	
E6561683 (9287955)	5.07	1840	5	2	5.1	141	0.03	56	1.05	41.0	<0.01	0.9	40	22.1	
E6561684 (9287956)	5.33	1770	5	2	8.4	128	0.05	56	1.91	24.1	0.05	0.7	38	22.1	
E6561685 (9287957)	6.77	1660	<2	3	15.0	210	0.13	174	3.65	26.2	0.10	0.6	33	21.5	
E6561686 (9287958)	2.57	470	12	8	30.0	173	0.08	18	8.50	110	1.68	1.6	7	27.1	
E6561687 (9287959)	4.33	1690	4	3	9.6	98	0.05	35	2.14	45.2	0.67	1.1	41	22.8	
E6561688 (9287960)	4.37	1680	<2	3	7.9	100	0.05	32	1.68	36.3	0.17	0.8	42	21.9	
E6561689 (9287961)	4.74	1640	<2	3	7.8	100	0.05	355	1.69	30.3	0.29	0.6	41	22.6	
E6561690 (9287962)	4.19	1590	5	3	9.3	87	0.05	14	2.03	40.2	0.11	0.7	39	23.2	
E6561691 (9287963)	4.02	1580	4	3	8.8	90	0.05	17	1.83	58.4	0.12	0.7	40	22.6	
E6561692 (9287964)	2.19	59	<2	<1	0.8	<5	<0.01	<5	0.20	0.5	<0.01	<0.1	<5	2.95	
E6561693 (9287965)	4.21	1740	<2	3	8.8	94	0.05	6	1.96	34.0	0.17	0.7	42	22.8	
E6561694 (9287966)	4.19	1820	2	3	8.7	93	0.05	23	1.86	45.0	0.15	0.9	41	23.2	
E6561695 (9287967)	4.21	1880	10	3	8.3	96	0.05	139	1.83	39.0	0.15	0.8	42	23.6	
E6561696 (9287968)	4.38	1950	<2	3	8.6	96	0.05	41	1.82	35.9	0.49	1.3	41	23.7	
E6561697 (9287969)	4.76	1910	4	3	8.2	93	0.05	76	1.82	29.0	0.17	0.8	41	22.8	
E6561698 (9287970)	4.87	1920	4	3	8.3	96	0.05	81	1.87	28.3	0.17	0.8	41	23.9	
E6561699 (9287971)	1.42	563	5	4	14.5	101	0.08	296	3.85	15.2	0.20	0.3	10	32.2	
E6561700 (9287972)	1.48	464	5	4	12.1	23	0.08	11	3.04	4.6	0.09	0.3	8	33.5	
E6561701 (9287973)	1.81	583	5	5	17.0	72	0.08	42	4.69	6.2	0.87	0.4	9	30.9	
E6561702 (9287974)	1.19	395	11	4	14.5	29	0.07	50	3.79	10.4	0.14	0.2	7	32.4	
E6561703 (9287975)	1.02	528	5	4	13.9	23	0.08	122	3.52	4.5	0.12	0.5	9	31.5	
E6561704 (9287976)	4.08	1290	<2	3	8.4	87	0.06	284	1.90	7.0	0.90	0.5	43	22.3	
E6561705 (9287977)	4.12	1670	4	3	9.0	95	0.05	166	1.93	39.6	0.07	0.7	44	23.6	
E6561706 (9287978)	5.03	1900	94	1	13.3	2790	0.03	<5	2.76	3.0	1.25	79.2	36	16.5	
E6561707 (9287979)	3.44	1420	9	3	6.8	86	0.06	36	1.51	52.8	<0.01	0.7	45	25.2	
E6561708 (9287980)	4.04	1620	9	3	9.4	110	0.05	47	2.06	51.9	0.24	0.6	45	24.0	

Certified By:



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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561709 (9287981)	4.12	1970	7	3	9.3	85	0.06	56	2.03	27.6	0.08	0.9	44	23.7	
E6561710 (9287982)	4.22	1900	5	3	7.6	100	0.05	57	1.48	34.7	0.07	0.5	45	23.9	
E6561711 (9287983)	3.58	1820	13	3	9.4	105	0.05	80	2.08	26.3	0.01	0.4	47	24.6	
E6561712 (9287984)	2.55	44	<2	<1	0.7	<5	0.01	<5	0.20	0.3	<0.01	<0.1	<5	5.62	
E6561713 (9287985)	3.62	1880	14	3	8.6	96	0.05	58	1.84	31.4	<0.01	1.2	47	25.3	
E6561714 (9287986)	3.76	1850	7	4	21.2	71	0.14	53	5.01	26.6	0.12	0.4	39	25.2	
E6561715 (9287987)	2.87	2420	4	3	8.9	80	0.05	61	1.91	24.7	<0.01	1.5	47	24.2	
E6561716 (9287988)	3.30	2170	3	3	8.6	82	0.05	29	1.89	32.9	0.11	0.5	46	25.0	
E6561717 (9287989)	3.42	2320	6	3	9.1	93	0.05	18	1.93	32.9	0.18	0.5	48	24.5	
E6561718 (9287990)	3.45	2330	7	3	9.2	95	0.04	22	1.92	30.7	0.17	0.7	47	24.9	
E6561719 (9287991)	2.95	2300	5	3	8.6	93	0.05	16	1.89	20.4	0.14	0.4	47	24.5	
E6561720 (9287992)	2.47	2410	6	3	9.1	101	0.05	6	1.98	18.0	0.02	0.5	49	24.9	
E6561721 (9287993)	2.81	2110	9	3	9.4	148	0.05	<5	2.08	31.4	0.29	0.5	46	24.9	
E6561722 (9287994)	2.89	1960	18	3	9.6	101	0.05	34	2.11	27.6	0.06	0.5	49	26.4	
E6561723 (9287995)	3.22	2240	42	3	8.4	111	0.05	29	1.83	30.5	0.17	0.5	51	25.7	
E6561724 (9287996)	3.17	1920	3	3	9.0	118	0.05	12	1.92	11.8	0.04	0.3	50	24.2	
E6561725 (9287997)	3.18	1720	3	3	8.9	115	0.05	<5	2.01	22.1	0.06	0.3	48	24.0	
E6561726 (9287998)	2.78	469	12	8	30.0	185	0.08	9	8.69	109	1.80	1.6	8	28.2	
E6561727 (9287999)	3.45	1770	3	3	9.4	119	0.05	9	2.01	18.5	0.07	0.8	46	24.4	
E6561728 (9288000)	3.87	1910	4	3	8.4	122	0.05	45	1.81	19.7	0.22	0.7	46	24.0	
E6561729 (9288001)	4.49	1880	5	3	7.8	111	0.05	6	1.77	28.5	0.30	0.3	47	23.9	
E6561730 (9288002)	4.99	1940	<2	3	7.4	107	0.05	<5	1.66	25.9	0.08	0.3	46	23.9	
E6561731 (9288003)	4.80	1920	<2	2	7.0	106	0.05	<5	1.51	29.3	0.17	0.3	47	24.0	
E6561732 (9288004)	2.67	58	<2	<1	0.9	<5	0.01	<5	0.22	0.3	<0.01	0.1	<5	4.67	
E6561733 (9288005)	4.67	1820	5	3	8.2	111	0.05	<5	1.74	54.2	0.06	0.2	47	24.0	
E6561734 (9288006)	4.27	1850	2	3	7.7	115	0.05	10	1.70	67.5	0.10	0.1	47	24.4	
E6561735 (9288007)	4.35	2110	3	3	8.5	111	0.05	64	1.77	44.7	0.06	0.2	48	24.3	
E6561736 (9288008)	3.92	2010	4	3	7.4	93	0.05	49	1.60	31.2	0.01	0.2	47	25.2	
E6561737 (9288009)	3.84	1990	3	3	8.8	110	0.05	13	1.83	41.2	0.04	0.2	46	24.3	
E6561738 (9288010)	3.99	2110	3	3	8.9	113	0.05	11	1.85	45.1	0.05	0.2	49	24.6	
E6561739 (9288011)	2.72	2200	5	3	9.5	80	0.05	14	2.23	49.4	0.28	0.5	44	24.1	
E6561740 (9288012)	2.83	2180	3	4	9.7	95	0.05	6	2.13	68.2	0.16	0.5	52	25.3	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
Sample ID (AGAT ID)														
E6561741 (9288013)	3.35	2360	9	4	10.3	73	0.05	7	2.39	50.3	0.78	0.7	41	24.3
E6561742 (9288014)	3.62	2000	2	3	9.0	90	0.06	6	1.91	45.2	0.04	0.3	51	25.5
E6561743 (9288015)	3.29	1990	3	3	8.7	78	0.05	15	1.90	46.3	0.02	0.3	45	21.5
E6561744 (9288016)	2.82	1900	3	3	9.4	77	0.06	<5	2.11	43.2	0.06	0.5	45	20.6
E6561745 (9288017)	2.72	1830	6	3	9.4	74	0.05	9	1.98	37.0	0.04	0.5	43	20.5
E6561746 (9288018)	2.51	454	12	8	29.4	161	0.07	11	8.28	108	1.57	1.5	7	25.7
E6561747 (9288019)	4.24	1950	2	4	19.6	169	0.12	17	4.59	34.7	0.03	0.6	39	23.5
E6561748 (9288020)	6.78	2250	<2	6	32.7	289	0.23	21	7.93	9.4	0.05	0.3	25	22.3

Certified By:



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AGAT WORK ORDER: 18T345409

PROJECT:

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6561645 (9287917)	2.6	<1	233	<0.5	0.56	0.5	0.74	<0.5	0.39	0.15	299	1	21.8	2.7
E6561646 (9287918)	5.3	2	31.5	0.8	0.61	10.5	0.27	0.7	0.29	6.63	58	4	17.7	1.9
E6561647 (9287919)	2.6	<1	140	<0.5	0.60	0.5	0.67	<0.5	0.39	0.13	287	1	21.8	2.5
E6561648 (9287920)	2.5	1	254	<0.5	0.60	0.5	0.69	<0.5	0.42	0.14	322	12	23.6	2.9
E6561649 (9287921)	2.9	1	226	<0.5	0.67	0.5	0.81	<0.5	0.46	0.14	323	2	24.3	2.8
E6561650 (9287922)	2.5	<1	193	<0.5	0.58	0.4	0.73	<0.5	0.36	0.17	293	<1	21.6	2.6
E6561651 (9287923)	2.8	<1	161	<0.5	0.61	0.5	0.75	<0.5	0.43	0.15	306	1	22.3	2.6
E6561652 (9287924)	0.2	<1	61.9	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.4	0.2
E6561653 (9287925)	2.7	<1	261	<0.5	0.55	0.3	0.61	<0.5	0.35	0.13	304	1	21.8	2.4
E6561654 (9287926)	2.7	<1	208	<0.5	0.57	0.4	0.69	<0.5	0.39	0.15	292	2	22.5	2.8
E6561655 (9287927)	2.8	<1	142	<0.5	0.62	0.5	0.74	<0.5	0.43	0.14	300	<1	22.8	2.8
E6561656 (9287928)	2.7	<1	147	<0.5	0.60	0.4	0.72	<0.5	0.39	0.14	296	<1	21.2	2.7
E6561657 (9287929)	2.7	<1	155	<0.5	0.59	0.4	0.69	<0.5	0.39	0.15	284	<1	22.8	2.6
E6561658 (9287930)	2.8	1	152	<0.5	0.64	0.5	0.69	<0.5	0.43	0.16	280	<1	24.1	2.8
E6561659 (9287931)	2.4	<1	158	<0.5	0.60	0.4	0.68	<0.5	0.37	0.14	279	<1	21.0	2.5
E6561660 (9287932)	2.7	2	190	<0.5	0.60	0.4	0.64	<0.5	0.37	0.16	268	<1	21.8	2.7
E6561661 (9287933)	2.6	<1	205	<0.5	0.61	0.5	0.70	<0.5	0.42	0.14	281	<1	22.3	2.7
E6561662 (9287934)	2.6	<1	155	<0.5	0.59	0.4	0.66	<0.5	0.39	0.13	274	<1	23.2	2.6
E6561663 (9287935)	2.7	<1	179	<0.5	0.58	0.4	0.65	<0.5	0.38	0.15	267	<1	21.7	2.6
E6561664 (9287936)	3.7	1	228	<0.5	0.57	1.8	0.50	<0.5	0.29	0.53	203	<1	19.0	2.1
E6561665 (9287937)	3.0	<1	139	<0.5	0.54	1.2	0.56	<0.5	0.30	0.35	229	1	18.8	2.0
E6561666 (9287938)	5.4	3	29.7	0.7	0.63	11.3	0.24	0.8	0.30	6.96	55	4	18.3	2.1
E6561667 (9287939)	6.3	<1	65.6	<0.5	0.79	2.3	0.34	<0.5	0.28	0.81	180	1	18.7	1.7
E6561668 (9287940)	3.1	1	48.4	<0.5	0.71	2.8	0.62	<0.5	0.44	0.95	241	3	25.0	3.1
E6561669 (9287941)	2.2	2	63.5	<0.5	0.58	0.6	0.79	<0.5	0.43	0.49	293	4	23.0	2.9
E6561670 (9287942)	3.2	2	20.5	<0.5	0.65	0.6	0.72	<0.5	0.38	0.91	278	3	19.3	2.5
E6561671 (9287943)	2.6	1	44.9	<0.5	0.64	0.6	0.80	<0.5	0.42	0.45	302	12	23.8	2.8
E6561672 (9287944)	0.2	<1	58.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.26	<5	<1	2.2	0.2
E6561673 (9287945)	2.3	<1	24.8	<0.5	0.39	0.3	0.37	<0.5	0.19	0.42	178	1	10.8	1.2
E6561674 (9287946)	2.2	<1	31.2	<0.5	0.49	0.7	0.60	<0.5	0.30	0.46	236	3	16.7	2.1
E6561675 (9287947)	2.2	1	151	<0.5	0.52	0.4	0.71	<0.5	0.39	0.20	274	7	20.3	2.6
E6561676 (9287948)	2.7	1	158	<0.5	0.61	0.5	0.78	0.5	0.40	0.18	280	27	22.4	2.7

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561677 (9287949)	2.7	<1	173	<0.5	0.55	0.6	0.76	0.6	0.33	0.16	273	12	20.0	2.3
E6561678 (9287950)	3.0	1	182	<0.5	0.59	0.6	0.77	0.6	0.37	0.17	280	29	21.2	2.5
E6561679 (9287951)	2.8	1	217	<0.5	0.56	0.8	0.63	<0.5	0.36	0.26	238	6	20.6	2.5
E6561680 (9287952)	2.4	<1	250	<0.5	0.46	0.4	0.51	0.6	0.32	0.13	250	35	17.1	2.1
E6561681 (9287953)	6.4	1	447	<0.5	0.73	3.4	0.45	<0.5	0.27	1.07	173	1	17.8	1.9
E6561682 (9287954)	1.7	<1	239	<0.5	0.41	0.2	0.47	<0.5	0.27	0.09	247	1	15.2	1.9
E6561683 (9287955)	1.6	<1	189	<0.5	0.41	0.2	0.48	<0.5	0.30	0.09	250	1	15.7	1.9
E6561684 (9287956)	2.4	<1	245	<0.5	0.50	0.5	0.57	<0.5	0.30	0.19	259	<1	17.7	2.2
E6561685 (9287957)	3.6	1	190	<0.5	0.61	1.8	0.52	<0.5	0.30	0.51	219	<1	19.3	2.1
E6561686 (9287958)	5.2	2	30.2	0.7	0.60	10.8	0.24	0.8	0.29	6.50	59	4	18.1	2.0
E6561687 (9287959)	2.8	1	197	<0.5	0.64	0.6	0.73	<0.5	0.45	0.18	302	<1	24.2	2.9
E6561688 (9287960)	2.7	<1	204	<0.5	0.58	0.5	0.72	<0.5	0.41	0.15	306	<1	22.2	2.7
E6561689 (9287961)	2.6	<1	157	<0.5	0.60	0.6	0.70	<0.5	0.42	0.16	296	<1	22.8	2.7
E6561690 (9287962)	3.0	<1	217	<0.5	0.65	0.5	0.70	<0.5	0.42	0.14	286	<1	24.6	2.9
E6561691 (9287963)	2.9	<1	233	<0.5	0.63	0.5	0.71	<0.5	0.40	0.17	287	<1	24.2	2.8
E6561692 (9287964)	0.1	<1	60.4	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.2	0.1
E6561693 (9287965)	2.8	<1	225	<0.5	0.62	0.5	0.73	<0.5	0.40	0.16	301	<1	23.9	2.9
E6561694 (9287966)	2.8	<1	270	<0.5	0.63	0.5	0.72	<0.5	0.38	0.16	297	<1	23.6	2.7
E6561695 (9287967)	2.6	<1	252	<0.5	0.61	0.5	0.73	<0.5	0.40	0.18	300	1	23.3	2.7
E6561696 (9287968)	2.6	<1	243	<0.5	0.58	0.5	0.72	<0.5	0.38	0.16	299	<1	22.6	2.8
E6561697 (9287969)	2.6	<1	150	<0.5	0.61	0.5	0.72	<0.5	0.39	0.20	296	2	22.2	2.4
E6561698 (9287970)	2.5	<1	151	<0.5	0.61	0.5	0.73	<0.5	0.39	0.21	296	2	22.7	2.5
E6561699 (9287971)	3.1	<1	1030	<0.5	0.34	2.4	0.24	<0.5	0.12	1.37	75	<1	8.4	0.9
E6561700 (9287972)	2.5	<1	83.7	<0.5	0.29	2.9	0.25	<0.5	0.17	1.54	55	<1	9.0	1.1
E6561701 (9287973)	3.2	1	216	<0.5	0.31	2.8	0.24	<0.5	0.14	1.50	74	<1	9.4	1.0
E6561702 (9287974)	2.9	<1	1000	<0.5	0.31	2.6	0.21	<0.5	0.11	1.46	57	<1	7.8	0.7
E6561703 (9287975)	3.0	<1	274	<0.5	0.37	2.5	0.24	<0.5	0.17	1.43	64	<1	10.6	1.1
E6561704 (9287976)	2.6	<1	60.5	<0.5	0.54	0.7	0.83	<0.5	0.35	0.91	312	3	18.1	2.4
E6561705 (9287977)	2.9	<1	141	<0.5	0.63	0.5	0.79	<0.5	0.41	0.18	315	4	23.7	2.8
E6561706 (9287978)	5.2	<1	73.1	<0.5	1.20	0.4	0.23	<0.5	0.56	11.9	170	1	41.6	3.9
E6561707 (9287979)	2.3	1	156	<0.5	0.54	0.5	0.82	<0.5	0.40	0.16	329	2	22.2	2.7
E6561708 (9287980)	2.8	<1	145	<0.5	0.63	0.5	0.79	<0.5	0.39	0.16	324	2	23.4	2.7

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 31, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6561709 (9287981)	2.8	1	230	<0.5	0.63	0.5	0.73	<0.5	0.39	0.18	310	4	22.5	2.5	
E6561710 (9287982)	2.4	<1	138	<0.5	0.58	0.5	0.80	<0.5	0.41	0.13	324	2	22.1	2.7	
E6561711 (9287983)	3.1	1	158	<0.5	0.69	0.5	0.84	<0.5	0.43	0.16	339	4	25.3	2.9	
E6561712 (9287984)	0.2	<1	64.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.1	0.2	
E6561713 (9287985)	2.7	10	162	<0.5	0.61	0.5	0.82	<0.5	0.39	0.16	340	6	21.8	2.5	
E6561714 (9287986)	5.2	1	373	<0.5	0.82	3.1	0.69	<0.5	0.38	0.91	276	2	23.1	2.4	
E6561715 (9287987)	2.6	<1	337	<0.5	0.58	0.5	0.81	<0.5	0.39	0.17	325	4	22.1	2.6	
E6561716 (9287988)	2.8	<1	154	<0.5	0.59	0.5	0.80	<0.5	0.42	0.15	328	3	22.6	2.8	
E6561717 (9287989)	2.7	1	135	<0.5	0.66	0.5	0.77	<0.5	0.43	0.15	335	2	25.6	3.0	
E6561718 (9287990)	2.7	<1	140	<0.5	0.68	0.5	0.78	<0.5	0.43	0.14	332	3	25.9	3.0	
E6561719 (9287991)	2.8	<1	127	<0.5	0.62	0.4	0.81	<0.5	0.42	0.15	332	3	23.8	2.9	
E6561720 (9287992)	2.9	1	158	<0.5	0.64	0.5	0.82	<0.5	0.43	0.15	345	4	24.7	3.0	
E6561721 (9287993)	2.8	<1	145	<0.5	0.68	0.6	0.78	<0.5	0.45	0.17	331	3	24.3	2.9	
E6561722 (9287994)	3.0	<1	163	<0.5	0.67	0.5	0.84	<0.5	0.39	0.13	349	3	24.1	2.6	
E6561723 (9287995)	2.6	<1	182	<0.5	0.65	0.5	0.86	<0.5	0.44	0.13	364	2	24.7	2.8	
E6561724 (9287996)	2.8	<1	190	<0.5	0.68	0.4	0.85	<0.5	0.44	0.13	360	2	24.8	2.8	
E6561725 (9287997)	2.7	<1	244	<0.5	0.64	0.4	0.83	<0.5	0.43	0.12	345	<1	24.2	2.7	
E6561726 (9287998)	5.5	2	32.5	0.7	0.60	11.3	0.27	0.8	0.30	7.00	62	4	17.9	2.0	
E6561727 (9287999)	2.7	1	303	<0.5	0.63	0.5	0.78	<0.5	0.42	0.13	330	1	22.4	2.7	
E6561728 (9288000)	2.6	<1	245	<0.5	0.61	0.4	0.77	<0.5	0.38	0.13	334	<1	22.8	2.7	
E6561729 (9288001)	2.8	<1	190	<0.5	0.60	0.4	0.81	<0.5	0.40	0.11	336	1	22.9	2.6	
E6561730 (9288002)	2.4	<1	139	<0.5	0.49	0.4	0.79	<0.5	0.38	0.12	329	<1	21.2	2.5	
E6561731 (9288003)	2.2	<1	140	<0.5	0.53	0.4	0.81	<0.5	0.34	0.12	336	<1	20.6	2.5	
E6561732 (9288004)	0.2	<1	62.0	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.21	<5	<1	2.2	0.1	
E6561733 (9288005)	2.6	<1	132	<0.5	0.58	0.4	0.80	<0.5	0.39	0.13	332	1	22.0	2.5	
E6561734 (9288006)	2.5	<1	127	<0.5	0.58	0.4	0.80	0.5	0.39	0.13	338	1	22.4	2.6	
E6561735 (9288007)	2.6	<1	137	<0.5	0.54	0.4	0.83	<0.5	0.38	0.13	340	2	23.1	2.8	
E6561736 (9288008)	2.6	<1	141	<0.5	0.56	0.4	0.80	<0.5	0.38	0.13	335	2	21.3	2.5	
E6561737 (9288009)	2.7	<1	163	<0.5	0.62	0.4	0.80	<0.5	0.41	0.13	330	2	22.8	2.7	
E6561738 (9288010)	2.6	<1	173	<0.5	0.64	0.5	0.83	<0.5	0.42	0.13	347	1	24.0	2.7	
E6561739 (9288011)	2.8	<1	145	<0.5	0.61	0.7	0.77	<0.5	0.41	0.19	316	5	22.4	2.8	
E6561740 (9288012)	3.0	1	165	<0.5	0.67	0.5	0.92	0.5	0.44	0.15	359	12	24.1	2.9	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6561741 (9288013)	3.0	1	149	<0.5	0.58	0.8	0.72	<0.5	0.36	0.24	284	2	21.2	2.5
E6561742 (9288014)	2.6	<1	148	<0.5	0.59	0.5	0.90	<0.5	0.39	0.15	359	2	20.9	2.3
E6561743 (9288015)	2.7	<1	150	<0.5	0.60	0.5	0.76	<0.5	0.35	0.13	326	1	21.3	2.5
E6561744 (9288016)	2.9	<1	172	<0.5	0.63	0.5	0.75	<0.5	0.40	0.15	323	2	21.7	2.4
E6561745 (9288017)	2.9	<1	181	<0.5	0.65	0.5	0.74	<0.5	0.39	0.12	315	2	22.0	2.4
E6561746 (9288018)	5.3	2	29.0	0.7	0.59	10.6	0.24	0.7	0.27	6.42	55	4	17.9	1.9
E6561747 (9288019)	4.7	21	361	<0.5	0.70	1.5	0.77	<0.5	0.38	0.43	280	1	22.7	2.5
E6561748 (9288020)	7.4	1	127	<0.5	0.88	3.0	0.77	<0.5	0.30	0.76	179	1	20.6	1.9

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561645 (9287917)		122	65.6
E6561646 (9287918)		7	172
E6561647 (9287919)		210	64.3
E6561648 (9287920)		186	65.8
E6561649 (9287921)		187	79.2
E6561650 (9287922)		161	66.9
E6561651 (9287923)		154	71.2
E6561652 (9287924)		<5	1.8
E6561653 (9287925)		191	56.9
E6561654 (9287926)		139	65.7
E6561655 (9287927)		111	72.5
E6561656 (9287928)		109	66.8
E6561657 (9287929)		114	70.3
E6561658 (9287930)		113	75.2
E6561659 (9287931)		109	64.7
E6561660 (9287932)		109	65.6
E6561661 (9287933)		107	69.1
E6561662 (9287934)		98	69.5
E6561663 (9287935)		89	67.5
E6561664 (9287936)		111	74.4
E6561665 (9287937)		112	67.0
E6561666 (9287938)		7	176
E6561667 (9287939)		106	85.6
E6561668 (9287940)		74	103
E6561669 (9287941)		78	86.9
E6561670 (9287942)		81	72.8
E6561671 (9287943)		57	84.5
E6561672 (9287944)		<5	1.8
E6561673 (9287945)		88	37.7
E6561674 (9287946)		108	63.2
E6561675 (9287947)		74	67.7
E6561676 (9287948)		653	77.5

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561677 (9287949)		122	78.0
E6561678 (9287950)		118	81.0
E6561679 (9287951)		186	75.7
E6561680 (9287952)		126	53.2
E6561681 (9287953)		292	139
E6561682 (9287954)		281	42.4
E6561683 (9287955)		126	44.0
E6561684 (9287956)		215	55.5
E6561685 (9287957)		257	75.9
E6561686 (9287958)		<5	171
E6561687 (9287959)		149	76.6
E6561688 (9287960)		99	69.8
E6561689 (9287961)		263	72.6
E6561690 (9287962)		87	77.2
E6561691 (9287963)		87	80.4
E6561692 (9287964)		<5	1.9
E6561693 (9287965)		94	74.4
E6561694 (9287966)		100	72.2
E6561695 (9287967)		222	72.0
E6561696 (9287968)		138	68.4
E6561697 (9287969)		174	74.0
E6561698 (9287970)		186	73.7
E6561699 (9287971)		899	102
E6561700 (9287972)		56	117
E6561701 (9287973)		112	119
E6561702 (9287974)		57	102
E6561703 (9287975)		54	108
E6561704 (9287976)		132	82.6
E6561705 (9287977)		146	73.0
E6561706 (9287978)		52	28.5
E6561707 (9287979)		121	77.7
E6561708 (9287980)		120	70.8

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6561709 (9287981)		290	72.0
E6561710 (9287982)		178	75.1
E6561711 (9287983)		348	80.4
E6561712 (9287984)		<5	1.5
E6561713 (9287985)		98	76.3
E6561714 (9287986)		288	103
E6561715 (9287987)		126	74.9
E6561716 (9287988)		117	72.2
E6561717 (9287989)		104	73.7
E6561718 (9287990)		110	72.3
E6561719 (9287991)		99	73.6
E6561720 (9287992)		116	75.0
E6561721 (9287993)		97	77.3
E6561722 (9287994)		85	74.7
E6561723 (9287995)		212	76.3
E6561724 (9287996)		110	74.2
E6561725 (9287997)		102	74.1
E6561726 (9287998)		7	174
E6561727 (9287999)		99	68.7
E6561728 (9288000)		105	68.9
E6561729 (9288001)		83	69.3
E6561730 (9288002)		82	62.8
E6561731 (9288003)		108	62.5
E6561732 (9288004)		<5	1.6
E6561733 (9288005)		84	67.1
E6561734 (9288006)		105	69.1
E6561735 (9288007)		143	71.4
E6561736 (9288008)		263	70.8
E6561737 (9288009)		113	71.3
E6561738 (9288010)		98	73.1
E6561739 (9288011)		195	80.5
E6561740 (9288012)		98	84.9

Certified By:



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 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018 DATE RECEIVED: Jun 01, 2018 DATE REPORTED: Jul 31, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561741 (9288013)		94	87.5
E6561742 (9288014)		82	78.3
E6561743 (9288015)		75	76.7
E6561744 (9288016)		83	76.4
E6561745 (9288017)		93	74.0
E6561746 (9288018)		7	168
E6561747 (9288019)		119	101
E6561748 (9288020)		431	145

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345409

PROJECT:

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 31, 2018 DATE RECEIVED: Jun 01, 2018 DATE REPORTED: Jul 31, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561645 (9287917)		85
E6561655 (9287927)		87
E6561665 (9287937)		89
E6561675 (9287947)		90
E6561685 (9287957)		90
E6561695 (9287967)		87
E6561705 (9287977)		88
E6561707 (9287979)		90
E6561708 (9287980)		87
E6561715 (9287987)		83
E6561725 (9287997)		85
E6561735 (9288007)		87
E6561745 (9288017)		83

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9287917	< 1	< 1	0.0%	9287928	< 1	< 1	0.0%	9287940	< 1	< 1	0.0%	9287942	< 1	< 1	0.0%
Al	9287917	8.54	8.47	0.8%	9287928	8.07	7.98	1.1%	9287940	7.49	7.60	1.5%	9287942	8.36	8.35	0.1%
As	9287917	29	33	12.9%	9287928	20	21	4.9%	9287940	87	89	2.3%	9287942	85	87	2.3%
B	9287917	< 20	< 20	0.0%	9287928	< 20	< 20	0.0%	9287940	< 20	22		9287942	19	21	10.0%
Ba	9287917	195	201	3.0%	9287928	70.9	67.4	5.1%	9287940	101	102	1.0%	9287942	44.0	43.0	2.3%
Be	9287917	< 5	< 5	0.0%	9287928	< 5	< 5	0.0%	9287940	< 5	< 5	0.0%	9287942	< 5	< 5	0.0%
Bi	9287917	0.2	0.2	0.0%	9287928	0.12	0.16	28.6%	9287940	1.35	1.44	6.5%	9287942	1.61	1.66	3.1%
Ca	9287917	8.17	7.90	3.4%	9287928	6.10	5.98	2.0%	9287940	1.27	1.29	1.6%	9287942	0.63	0.64	1.6%
Cd	9287917	0.2	0.5		9287928	< 0.2	< 0.2	0.0%	9287940	< 0.2	< 0.2	0.0%	9287942	< 0.2	< 0.2	0.0%
Ce	9287917	11.7	13.1	11.3%	9287928	12.1	13.0	7.2%	9287940	15.9	16.1	1.3%	9287942	26.5	26.4	0.4%
Co	9287917	47.3	53.5	12.3%	9287928	51.2	54.2	5.7%	9287940	85.2	83.9	1.5%	9287942	222	222	0.0%
Cr	9287917	0.031	0.031	0.0%	9287928	0.028	0.026	7.4%	9287940	0.0240	0.0246	2.5%	9287942	0.021	0.021	0.0%
Cs	9287917	0.58	0.66	12.9%	9287928	1.1	1.1	0.0%	9287940	1.43	1.46	2.1%	9287942	2.7	2.8	3.6%
Cu	9287917	89	82	8.2%	9287928	125	121	3.3%	9287940	326	331	1.5%	9287942	223	226	1.3%
Dy	9287917	3.92	4.32	9.7%	9287928	3.72	4.06	8.7%	9287940	4.75	4.85	2.1%	9287942	3.93	4.02	2.3%
Er	9287917	2.44	2.80	13.7%	9287928	2.57	2.69	4.6%	9287940	3.00	3.01	0.3%	9287942	2.48	2.49	0.4%
Eu	9287917	0.94	1.12	17.5%	9287928	0.89	0.91	2.2%	9287940	1.30	1.39	6.7%	9287942	2.10	2.02	3.9%
Fe	9287917	10.4	10.3	1.0%	9287928	10.3	10.3	0.0%	9287940	13.0	13.5	3.8%	9287942	15.2	15.1	0.7%
Ga	9287917	17.6	20.0	12.8%	9287928	16.8	18.1	7.4%	9287940	19.1	19.4	1.6%	9287942	21.4	22.0	2.8%
Gd	9287917	3.31	3.75	12.5%	9287928	3.17	3.46	8.7%	9287940	3.96	3.72	6.3%	9287942	3.87	3.90	0.8%
Ge	9287917	2	2	0.0%	9287928	2	2	0.0%	9287940	2	2	0.0%	9287942	2	2	0.0%
Hf	9287917	2	2	0.0%	9287928	2	2	0.0%	9287940	3	3	0.0%	9287942	2	2	0.0%
Ho	9287917	0.811	0.957	16.5%	9287928	0.863	0.893	3.4%	9287940	0.98	0.97	1.0%	9287942	0.794	0.839	5.5%
In	9287917	< 0.2	0.3		9287928	< 0.2	< 0.2	0.0%	9287940	< 0.2	< 0.2	0.0%	9287942	< 0.2	< 0.2	0.0%
K	9287917	0.877	0.875	0.2%	9287928	0.36	0.35	2.8%	9287940	0.98	0.99	1.0%	9287942	0.669	0.663	0.9%
La	9287917	4.7	5.2	10.1%	9287928	4.7	5.0	6.2%	9287940	6.0	6.4	6.5%	9287942	13.9	14.3	2.8%
Li	9287917	< 10	< 10	0.0%	9287928	16	15	6.5%	9287940	68	68	0.0%	9287942	46	44	4.4%
Lu	9287917	0.402	0.479	17.5%	9287928	0.353	0.398	12.0%	9287940	0.45	0.43	4.5%	9287942	0.36	0.36	0.0%
Mg	9287917	3.07	3.05	0.7%	9287928	4.57	4.41	3.6%	9287940	6.14	6.17	0.5%	9287942	6.05	5.98	1.2%
Mn	9287917	2130	2110	0.9%	9287928	1800	1740	3.4%	9287940	999	1010	1.1%	9287942	1320	1320	0.0%
Mo	9287917	10	9	10.5%	9287928	2	2	0.0%	9287940	4	4	0.0%	9287942	13	11	16.7%



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Nb	9287917	3	4	28.6%	9287928	3	3	0.0%	9287940	4	4	0.0%	9287942	3	3	0.0%
Nd	9287917	8.11	9.21	12.7%	9287928	8.3	8.8	5.8%	9287940	9.9	10.7	7.8%	9287942	13.1	13.5	3.0%
Ni	9287917	109	112	2.7%	9287928	106	101	4.8%	9287940	129	132	2.3%	9287942	113	113	0.0%
P	9287917	0.049	0.043	13.0%	9287928	0.044	0.046	4.4%	9287940	0.11	0.11	0.0%	9287942	0.05	0.05	0.0%
Pb	9287917	20	22	9.5%	9287928	20	22	9.5%	9287940	< 5	< 5	0.0%	9287942	< 5	< 5	0.0%
Pr	9287917	1.72	2.03	16.5%	9287928	1.79	1.93	7.5%	9287940	2.21	2.29	3.6%	9287942	3.25	3.34	2.7%
Rb	9287917	27.6	32.3	15.7%	9287928	11.8	13.0	9.7%	9287940	16.2	15.9	1.9%	9287942	13.8	14.4	4.3%
S	9287917	0.10	0.10	0.0%	9287928	0.125	0.114	9.2%	9287940	2.75	2.79	1.4%	9287942	1.65	1.60	3.1%
Sb	9287917	0.94	1.14	19.2%	9287928	0.3	0.3	0.0%	9287940	0.46	0.44	4.4%	9287942	0.52	0.57	9.2%
Sc	9287917	42	43	2.4%	9287928	42	41	2.4%	9287940	31	31	0.0%	9287942	36	36	0.0%
Si	9287917	24.0	23.6	1.7%	9287928	23.2	22.0	5.3%	9287940	19.7	19.7	0.0%	9287942	19.0	18.9	0.5%
Sm	9287917	2.6	2.8	7.4%	9287928	2.7	2.9	7.1%	9287940	3.1	3.2	3.2%	9287942	3.18	3.46	8.4%
Sn	9287917	< 1	1		9287928	< 1	< 1	0.0%	9287940	1	1	0.0%	9287942	2	1	
Sr	9287917	233	232	0.4%	9287928	147	144	2.1%	9287940	48.4	48.1	0.6%	9287942	20.5	21.3	3.8%
Ta	9287917	< 0.5	< 0.5	0.0%	9287928	< 0.5	< 0.5	0.0%	9287940	< 0.5	< 0.5	0.0%	9287942	< 0.5	< 0.5	0.0%
Tb	9287917	0.564	0.671	17.3%	9287928	0.604	0.616	2.0%	9287940	0.71	0.71	0.0%	9287942	0.647	0.666	2.9%
Th	9287917	0.5	0.5	0.0%	9287928	0.43	0.48	11.0%	9287940	2.84	2.97	4.5%	9287942	0.62	0.54	13.8%
Ti	9287917	0.736	0.730	0.8%	9287928	0.72	0.71	1.4%	9287940	0.62	0.63	1.6%	9287942	0.724	0.728	0.6%
Tl	9287917	< 0.5	< 0.5	0.0%	9287928	< 0.5	< 0.5	0.0%	9287940	< 0.5	< 0.5	0.0%	9287942	< 0.5	< 0.5	0.0%
Tm	9287917	0.39	0.45	14.3%	9287928	0.388	0.417	7.2%	9287940	0.44	0.44	0.0%	9287942	0.38	0.39	2.6%
U	9287917	0.15	0.15	0.0%	9287928	0.144	0.171	17.1%	9287940	0.954	1.00	4.7%	9287942	0.91	0.77	16.7%
V	9287917	299	303	1.3%	9287928	296	283	4.5%	9287940	241	246	2.1%	9287942	278	278	0.0%
W	9287917	1	1	0.0%	9287928	< 1	< 1	0.0%	9287940	3	3	0.0%	9287942	3	3	0.0%
Y	9287917	21.8	26.1	18.0%	9287928	21.2	23.5	10.3%	9287940	25.0	25.3	1.2%	9287942	19.3	19.9	3.1%
Yb	9287917	2.7	3.1	13.8%	9287928	2.7	2.8	3.6%	9287940	3.1	3.1	0.0%	9287942	2.5	2.6	3.9%
Zn	9287917	122	128	4.8%	9287928	109	105	3.7%	9287940	74	77	4.0%	9287942	81	82	1.2%
Zr	9287917	65.6	77.7	16.9%	9287928	66.8	71.8	7.2%	9287940	103	103	0.0%	9287942	72.8	75.2	3.2%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9287952	< 1	< 1	0.0%	9287964	< 1	< 1	0.0%	9287967	< 1	< 1	0.0%	9287976	< 1	< 1	0.0%
Al	9287952	7.31	7.30	0.1%	9287964	0.07	0.07	0.0%	9287967	7.49	7.53	0.5%	9287976	8.76	8.65	1.3%
As	9287952	24	22	8.7%	9287964	< 5	< 5	0.0%	9287967	6	6	0.0%	9287976	88	88	0.0%
B	9287952	23	24	4.3%	9287964	< 20	< 20	0.0%	9287967	< 20	< 20	0.0%	9287976	< 20	< 20	0.0%
Ba	9287952	446	443	0.7%	9287964	12.2	11.7	4.2%	9287967	270	279	3.3%	9287976	51.0	50.6	0.8%



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Be	9287952	< 5	< 5	0.0%	9287964	< 5	< 5	0.0%	9287967	< 5	< 5	0.0%	9287976	< 5	< 5	0.0%
Bi	9287952	0.38	0.35	8.2%	9287964	< 0.1	< 0.1	0.0%	9287967	0.32	0.25	24.6%	9287976	0.8	0.8	0.0%
Ca	9287952	5.81	5.80	0.2%	9287964	33.9	34.2	0.9%	9287967	5.86	5.91	0.8%	9287976	2.18	2.18	0.0%
Cd	9287952	0.2	0.2	0.0%	9287964	< 0.2	< 0.2	0.0%	9287967	0.5	0.5	0.0%	9287976	< 0.2	< 0.2	0.0%
Ce	9287952	10.6	9.7	8.9%	9287964	1.0	1.0	0.0%	9287967	12.3	11.7	5.0%	9287976	12.6	13.0	3.1%
Co	9287952	64.1	59.4	7.6%	9287964	1.3	1.3	0.0%	9287967	48.2	47.7	1.0%	9287976	69.3	67.8	2.2%
Cr	9287952	0.027	0.027	0.0%	9287964	< 0.005	< 0.005	0.0%	9287967	0.0203	0.0205	1.0%	9287976	0.023	0.023	0.0%
Cs	9287952	3.8	3.6	5.4%	9287964	< 0.1	< 0.1	0.0%	9287967	2.1	2.1	0.0%	9287976	0.8	0.8	0.0%
Cu	9287952	322	320	0.6%	9287964	9	8	11.8%	9287967	134	140	4.4%	9287976	179	180	0.6%
Dy	9287952	3.14	2.77	12.5%	9287964	0.183	0.229	22.3%	9287967	4.04	3.95	2.3%	9287976	3.40	3.33	2.1%
Er	9287952	1.93	2.01	4.1%	9287964	0.11	0.14	24.0%	9287967	2.64	2.55	3.5%	9287976	2.24	2.26	0.9%
Eu	9287952	0.76	0.68	11.1%	9287964	< 0.05	0.06		9287967	0.95	0.96	1.0%	9287976	0.585	0.464	23.1%
Fe	9287952	9.06	8.99	0.8%	9287964	0.10	0.10	0.0%	9287967	9.31	9.33	0.2%	9287976	9.87	9.77	1.0%
Ga	9287952	16.8	15.2	10.0%	9287964	0.14	0.17	19.4%	9287967	17.2	16.2	6.0%	9287976	17.5	17.2	1.7%
Gd	9287952	2.50	2.52	0.8%	9287964	0.212	0.217	2.3%	9287967	3.35	3.47	3.5%	9287976	3.03	3.00	1.0%
Ge	9287952	2	2	0.0%	9287964	< 1	< 1	0.0%	9287967	2	2	0.0%	9287976	1	1	0.0%
Hf	9287952	2	1		9287964	< 1	< 1	0.0%	9287967	2	2	0.0%	9287976	2	2	0.0%
Ho	9287952	0.661	0.632	4.5%	9287964	0.05	0.06	18.2%	9287967	0.88	0.87	1.1%	9287976	0.777	0.720	7.6%
In	9287952	< 0.2	< 0.2	0.0%	9287964	< 0.2	< 0.2	0.0%	9287967	< 0.2	< 0.2	0.0%	9287976	< 0.2	< 0.2	0.0%
K	9287952	1.41	1.41	0.0%	9287964	< 0.05	< 0.05	0.0%	9287967	0.96	0.99	3.1%	9287976	0.22	0.22	0.0%
La	9287952	4.3	3.9	9.8%	9287964	1.2	1.3	8.0%	9287967	4.65	4.47	3.9%	9287976	4.91	5.08	3.4%
Li	9287952	27	27	0.0%	9287964	< 10	< 10	0.0%	9287967	28	29	3.5%	9287976	41	41	0.0%
Lu	9287952	0.289	0.271	6.4%	9287964	< 0.05	< 0.05	0.0%	9287967	0.435	0.427	1.9%	9287976	0.354	0.399	12.0%
Mg	9287952	3.50	3.47	0.9%	9287964	2.19	2.19	0.0%	9287967	4.21	4.21	0.0%	9287976	4.08	3.99	2.2%
Mn	9287952	1750	1750	0.0%	9287964	59	56	5.2%	9287967	1880	1900	1.1%	9287976	1290	1290	0.0%
Mo	9287952	4	4	0.0%	9287964	< 2	< 2	0.0%	9287967	10	8	22.2%	9287976	< 2	< 2	0.0%
Nb	9287952	2	2	0.0%	9287964	< 1	< 1	0.0%	9287967	3	3	0.0%	9287976	3	3	0.0%
Nd	9287952	6.7	6.2	7.8%	9287964	0.81	0.91	11.6%	9287967	8.3	8.1	2.4%	9287976	8.42	8.66	2.8%
Ni	9287952	133	131	1.5%	9287964	< 5	< 5	0.0%	9287967	96	100	4.1%	9287976	87	83	4.7%
P	9287952	0.04	0.04	0.0%	9287964	< 0.01	0.01		9287967	0.05	0.05	0.0%	9287976	0.06	0.06	0.0%
Pb	9287952	75	67	11.3%	9287964	< 5	< 5	0.0%	9287967	139	158	12.8%	9287976	284	286	0.7%
Pr	9287952	1.55	1.40	10.2%	9287964	0.200	0.217	8.2%	9287967	1.83	1.81	1.1%	9287976	1.90	2.00	5.1%
Rb	9287952	73.9	68.5	7.6%	9287964	0.5	0.5	0.0%	9287967	39.0	38.7	0.8%	9287976	7.0	7.2	2.8%
S	9287952	1.16	1.13	2.6%	9287964	< 0.01	< 0.01	0.0%	9287967	0.15	0.15	0.0%	9287976	0.900	0.871	3.3%



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Sb	9287952	1.36	1.18	14.2%	9287964	< 0.1	< 0.1	0.0%	9287967	0.81	0.74	9.0%	9287976	0.5	0.5	0.0%
Sc	9287952	37	37	0.0%	9287964	< 5	< 5	0.0%	9287967	42	41	2.4%	9287976	43	43	0.0%
Si	9287952	22.7	22.6	0.4%	9287964	2.95	3.03	2.7%	9287967	23.6	23.5	0.4%	9287976	22.3	21.7	2.7%
Sm	9287952	2.4	1.9	23.3%	9287964	0.1	0.2		9287967	2.58	2.55	1.2%	9287976	2.6	2.6	0.0%
Sn	9287952	< 1	< 1	0.0%	9287964	< 1	< 1	0.0%	9287967	< 1	1		9287976	< 1	2	
Sr	9287952	250	250	0.0%	9287964	60.4	61.8	2.3%	9287967	252	253	0.4%	9287976	60.5	60.8	0.5%
Ta	9287952	< 0.5	< 0.5	0.0%	9287964	< 0.5	< 0.5	0.0%	9287967	< 0.5	< 0.5	0.0%	9287976	< 0.5	< 0.5	0.0%
Tb	9287952	0.457	0.424	7.5%	9287964	< 0.05	< 0.05	0.0%	9287967	0.614	0.630	2.6%	9287976	0.542	0.556	2.6%
Th	9287952	0.4	0.4	0.0%	9287964	< 0.1	< 0.1	0.0%	9287967	0.5	0.5	0.0%	9287976	0.7	0.7	0.0%
Ti	9287952	0.508	0.505	0.6%	9287964	< 0.01	< 0.01	0.0%	9287967	0.73	0.73	0.0%	9287976	0.83	0.82	1.2%
Tl	9287952	0.59	0.53	10.7%	9287964	< 0.5	< 0.5	0.0%	9287967	< 0.5	< 0.5	0.0%	9287976	< 0.5	< 0.5	0.0%
Tm	9287952	0.32	0.28	13.3%	9287964	< 0.05	< 0.05	0.0%	9287967	0.40	0.40	0.0%	9287976	0.35	0.35	0.0%
U	9287952	0.132	0.113	15.5%	9287964	0.090	0.117	26.1%	9287967	0.18	0.17	5.7%	9287976	0.91	0.89	2.2%
V	9287952	250	247	1.2%	9287964	< 5	< 5	0.0%	9287967	300	301	0.3%	9287976	312	311	0.3%
W	9287952	35	31	12.1%	9287964	< 1	< 1	0.0%	9287967	1	< 1		9287976	3	3	0.0%
Y	9287952	17.1	15.9	7.3%	9287964	2.2	2.3	4.4%	9287967	23.3	22.7	2.6%	9287976	18.1	17.7	2.2%
Yb	9287952	2.06	1.78	14.6%	9287964	0.13	0.16	20.7%	9287967	2.7	2.7	0.0%	9287976	2.41	2.34	2.9%
Zn	9287952	126	126	0.0%	9287964	< 5	< 5	0.0%	9287967	222	219	1.4%	9287976	132	128	3.1%
Zr	9287952	53.2	48.6	9.0%	9287964	1.89	2.08	9.6%	9287967	72.0	71.3	1.0%	9287976	82.6	80.6	2.5%

	REPLICATE #9				REPLICATE #10				REPLICATE #11				REPLICATE #12			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9287988	< 1	< 1	0.0%	9287992	< 1	< 1	0.0%	9288000	< 1	< 1	0.0%	9288012	< 1	2	
Al	9287988	8.67	8.69	0.2%	9287992	8.85	8.86	0.1%	9288000	8.79	8.88	1.0%	9288012	9.92	9.75	1.7%
As	9287988	< 5	< 5	0.0%	9287992	< 5	5		9288000	< 5	< 5	0.0%	9288012	< 5	< 5	0.0%
B	9287988	< 20	< 20	0.0%	9287992	45	41	9.3%	9288000	< 20	< 20	0.0%	9288012	23	< 20	
Ba	9287988	181	183	1.1%	9287992	151	152	0.7%	9288000	150	150	0.0%	9288012	380	384	1.0%
Be	9287988	< 5	< 5	0.0%	9287992	< 5	< 5	0.0%	9288000	< 5	< 5	0.0%	9288012	< 5	< 5	0.0%
Bi	9287988	0.2	0.2	0.0%	9287992	0.1	0.1	0.0%	9288000	0.3	0.2		9288012	0.2	0.1	
Ca	9287988	8.51	8.30	2.5%	9287992	8.73	8.37	4.2%	9288000	7.60	7.69	1.2%	9288012	7.90	7.62	3.6%
Cd	9287988	< 0.2	< 0.2	0.0%	9287992	< 0.2	< 0.2	0.0%	9288000	0.2	0.2	0.0%	9288012	< 0.2	< 0.2	0.0%
Ce	9287988	12.6	12.5	0.8%	9287992	13.1	13.3	1.5%	9288000	12.7	11.9	6.5%	9288012	14.2	13.3	6.5%
Co	9287988	52.8	54.4	3.0%	9287992	57.2	58.4	2.1%	9288000	55.7	55.8	0.2%	9288012	63.7	60.0	6.0%
Cr	9287988	0.0246	0.0244	0.8%	9287992	0.026	0.026	0.0%	9288000	0.024	0.024	0.0%	9288012	0.027	0.027	0.0%
Cs	9287988	2.51	2.61	3.9%	9287992	0.6	0.6	0.0%	9288000	1.5	1.5	0.0%	9288012	5.6	5.4	3.6%



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Cu	9287988	87	87	0.0%	9287992	53	52	1.9%	9288000	137	138	0.7%	9288012	120	121	0.8%
Dy	9287988	4.13	4.02	2.7%	9287992	4.16	4.38	5.2%	9288000	3.86	3.88	0.5%	9288012	4.34	4.16	4.2%
Er	9287988	2.81	2.72	3.3%	9287992	2.70	2.86	5.8%	9288000	2.59	2.54	1.9%	9288012	2.91	2.61	10.9%
Eu	9287988	1.03	1.02	1.0%	9287992	1.12	1.02	9.3%	9288000	0.952	0.992	4.1%	9288012	1.18	1.11	6.1%
Fe	9287988	9.61	9.40	2.2%	9287992	9.71	9.25	4.9%	9288000	9.46	9.53	0.7%	9288012	8.56	8.23	3.9%
Ga	9287988	18.3	18.4	0.5%	9287992	18.9	18.5	2.1%	9288000	19.4	18.9	2.6%	9288012	21.1	19.3	8.9%
Gd	9287988	3.53	3.42	3.2%	9287992	3.87	3.74	3.4%	9288000	3.28	3.29	0.3%	9288012	3.83	3.42	11.3%
Ge	9287988	2	2	0.0%	9287992	2	2	0.0%	9288000	2	2	0.0%	9288012	2	2	0.0%
Hf	9287988	2	2	0.0%	9287992	2	2	0.0%	9288000	2	2	0.0%	9288012	2	2	0.0%
Ho	9287988	0.872	0.887	1.7%	9287992	0.94	0.92	2.2%	9288000	0.868	0.886	2.1%	9288012	0.947	0.830	13.2%
In	9287988	< 0.2	< 0.2	0.0%	9287992	< 0.2	< 0.2	0.0%	9288000	< 0.2	< 0.2	0.0%	9288012	< 0.2	< 0.2	0.0%
K	9287988	0.72	0.72	0.0%	9287992	0.635	0.634	0.2%	9288000	0.49	0.51	4.0%	9288012	1.33	1.32	0.8%
La	9287988	4.86	4.85	0.2%	9287992	5.22	5.27	1.0%	9288000	5.17	4.82	7.0%	9288012	5.56	5.25	5.7%
Li	9287988	14	15	6.9%	9287992	< 10	< 10	0.0%	9288000	13	16	20.7%	9288012	23	23	0.0%
Lu	9287988	0.43	0.39	9.8%	9287992	0.45	0.43	4.5%	9288000	0.40	0.41	2.5%	9288012	0.43	0.44	2.3%
Mg	9287988	3.30	3.36	1.8%	9287992	2.47	2.55	3.2%	9288000	3.87	3.90	0.8%	9288012	2.83	2.79	1.4%
Mn	9287988	2170	2150	0.9%	9287992	2410	2400	0.4%	9288000	1910	1910	0.0%	9288012	2180	2210	1.4%
Mo	9287988	3	3	0.0%	9287992	6	6	0.0%	9288000	4	4	0.0%	9288012	3	4	28.6%
Nb	9287988	3	3	0.0%	9287992	3	3	0.0%	9288000	3	3	0.0%	9288012	4	3	28.6%
Nd	9287988	8.65	8.77	1.4%	9287992	9.11	9.47	3.9%	9288000	8.4	8.4	0.0%	9288012	9.69	9.22	5.0%
Ni	9287988	82	80	2.5%	9287992	101	102	1.0%	9288000	122	121	0.8%	9288012	95	97	2.1%
P	9287988	0.05	0.05	0.0%	9287992	0.05	0.05	0.0%	9288000	0.05	0.05	0.0%	9288012	0.05	0.05	0.0%
Pb	9287988	29	28	3.5%	9287992	6	7	15.4%	9288000	45	42	6.9%	9288012	6	7	15.4%
Pr	9287988	1.89	1.92	1.6%	9287992	1.98	2.02	2.0%	9288000	1.81	1.84	1.6%	9288012	2.13	1.97	7.8%
Rb	9287988	32.9	32.6	0.9%	9287992	18.0	18.1	0.6%	9288000	19.7	19.2	2.6%	9288012	68.2	66.5	2.5%
S	9287988	0.113	0.105	7.3%	9287992	0.02	0.03		9288000	0.222	0.225	1.3%	9288012	0.164	0.167	1.8%
Sb	9287988	0.5	0.5	0.0%	9287992	0.5	0.5	0.0%	9288000	0.7	0.7	0.0%	9288012	0.51	0.59	14.5%
Sc	9287988	46	46	0.0%	9287992	49	48	2.1%	9288000	46	45	2.2%	9288012	52	52	0.0%
Si	9287988	25.0	25.4	1.6%	9287992	24.9	25.0	0.4%	9288000	24.0	24.2	0.8%	9288012	25.3	24.7	2.4%
Sm	9287988	2.8	2.8	0.0%	9287992	2.9	2.9	0.0%	9288000	2.6	2.6	0.0%	9288012	3.0	2.7	10.5%
Sn	9287988	< 1	5		9287992	1	< 1		9288000	< 1	< 1	0.0%	9288012	1	2	
Sr	9287988	154	152	1.3%	9287992	158	159	0.6%	9288000	245	245	0.0%	9288012	165	166	0.6%
Ta	9287988	< 0.5	< 0.5	0.0%	9287992	< 0.5	< 0.5	0.0%	9288000	< 0.5	< 0.5	0.0%	9288012	< 0.5	< 0.5	0.0%
Tb	9287988	0.590	0.607	2.8%	9287992	0.639	0.665	4.0%	9288000	0.61	0.61	0.0%	9288012	0.665	0.595	11.1%



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Th	9287988	0.48	0.45	6.5%	9287992	0.5	0.5	0.0%	9288000	0.4	0.5	22.2%	9288012	0.5	0.5	0.0%
Ti	9287988	0.80	0.80	0.0%	9287992	0.82	0.82	0.0%	9288000	0.774	0.783	1.2%	9288012	0.915	0.898	1.9%
Tl	9287988	< 0.5	< 0.5	0.0%	9287992	< 0.5	< 0.5	0.0%	9288000	< 0.5	< 0.5	0.0%	9288012	0.5	0.5	0.0%
Tm	9287988	0.42	0.40	4.9%	9287992	0.434	0.442	1.8%	9288000	0.379	0.374	1.3%	9288012	0.44	0.40	9.5%
U	9287988	0.15	0.15	0.0%	9287992	0.15	0.14	6.9%	9288000	0.127	0.122	4.0%	9288012	0.15	0.15	0.0%
V	9287988	328	327	0.3%	9287992	345	341	1.2%	9288000	334	328	1.8%	9288012	359	363	1.1%
W	9287988	3	3	0.0%	9287992	4	4	0.0%	9288000	< 1	4		9288012	12	11	8.7%
Y	9287988	22.6	23.1	2.2%	9287992	24.7	24.9	0.8%	9288000	22.8	22.4	1.8%	9288012	24.1	22.9	5.1%
Yb	9287988	2.79	2.75	1.4%	9287992	3.0	3.0	0.0%	9288000	2.7	2.7	0.0%	9288012	2.9	2.6	10.9%
Zn	9287988	117	119	1.7%	9287992	116	108	7.1%	9288000	105	106	0.9%	9288012	98	98	0.0%
Zr	9287988	72.2	73.1	1.2%	9287992	75.0	75.2	0.3%	9288000	68.9	66.5	3.5%	9288012	84.9	79.1	7.1%

REPLICATE #13

Parameter	Sample ID	Original	Replicate	RPD												
Ag	9288017	< 1	< 1	0.0%												
Al	9288017	8.15	8.06	1.1%												
As	9288017	5	6	18.2%												
B	9288017	< 20	< 20	0.0%												
Ba	9288017	346	353	2.0%												
Be	9288017	< 5	< 5	0.0%												
Bi	9288017	0.1	0.1	0.0%												
Ca	9288017	7.61	7.48	1.7%												
Cd	9288017	< 0.2	< 0.2	0.0%												
Ce	9288017	13.9	13.6	2.2%												
Co	9288017	57.9	58.2	0.5%												
Cr	9288017	275	263	4.5%												
Cs	9288017	1.8	1.8	0.0%												
Cu	9288017	89	90	1.1%												
Dy	9288017	4.13	4.06	1.7%												
Er	9288017	2.36	2.59	9.3%												
Eu	9288017	0.864	0.937	8.1%												
Fe	9288017	7.38	7.29	1.2%												
Ga	9288017	20.2	20.2	0.0%												
Gd	9288017	3.74	3.58	4.4%												
Ge	9288017	1	1	0.0%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Hf	9288017	2	2	0.0%															
Ho	9288017	0.887	0.844	5.0%															
In	9288017	< 0.2	< 0.2	0.0%															
K	9288017	0.86	0.86	0.0%															
La	9288017	5.87	5.75	2.1%															
Li	9288017	19	18	5.4%															
Lu	9288017	0.37	0.39	5.3%															
Mg	9288017	2.72	2.73	0.4%															
Mn	9288017	1830	1840	0.5%															
Mo	9288017	6	3																
Nb	9288017	3	3	0.0%															
Nd	9288017	9.4	9.4	0.0%															
Ni	9288017	74	74	0.0%															
P	9288017	0.05	0.06	18.2%															
Pb	9288017	9	9	0.0%															
Pr	9288017	1.98	1.96	1.0%															
Rb	9288017	37.0	37.3	0.8%															
S	9288017	0.04	0.04	0.0%															
Sb	9288017	0.5	0.5	0.0%															
Sc	9288017	43	43	0.0%															
Si	9288017	20.5	20.1	2.0%															
Sm	9288017	2.95	2.97	0.7%															
Sn	9288017	< 1	< 1	0.0%															
Sr	9288017	181	183	1.1%															
Ta	9288017	< 0.5	< 0.5	0.0%															
Tb	9288017	0.650	0.604	7.3%															
Th	9288017	0.5	0.5	0.0%															
Ti	9288017	0.736	0.730	0.8%															
Tl	9288017	< 0.5	< 0.5	0.0%															
Tm	9288017	0.392	0.353	10.5%															
U	9288017	0.118	0.125	5.8%															
V	9288017	315	318	0.9%															
W	9288017	2	2	0.0%															
Y	9288017	22.0	22.2	0.9%															



AGAT Laboratories

Quality Assurance - Replicate
AGAT WORK ORDER: 18T345409
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Yb	9288017	2.40	2.33	3.0%												
Zn	9288017	93	91	2.2%												
Zr	9288017	74.0	75.1	1.5%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	7.02	110%	90% - 110%					6.39	6.71	105%	90% - 110%
Al	10.95	11.79	108%	90% - 110%	4.30	4.14	96%	90% - 110%	10.95	10.7	98%	90% - 110%	4.30	4.28	99%	90% - 110%
As													2.49	2.47	99%	90% - 110%
Ba	340	349	103%	90% - 110%					340	315	93%	90% - 110%				
Be	2.6	2.9	113%	90% - 110%					2.6	3	117%	90% - 110%				
Ca	5.72	5.89	103%	90% - 110%	2.21	2.09	95%	90% - 110%	5.72	5.76	101%	90% - 110%	2.21	2.32	105%	90% - 110%
Ce	122	128	105%	90% - 110%					122	133	109%	90% - 110%				
Co	2.8	2.6	94%	90% - 110%	672	640	95%	90% - 110%	2.8	2.7	95%	90% - 110%	672	660	98%	90% - 110%
Cr					0.032	0.032	101%	90% - 110%					0.032	0.0312	98%	90% - 110%
Cs	1.5	1.7	113%	90% - 110%					1.5	1.7	110%	90% - 110%				
Cu	7	7	99%	90% - 110%	11850	11106	94%	90% - 110%	7	8	109%	90% - 110%	11850	12078	102%	90% - 110%
Dy	18.2	19.2	106%	90% - 110%					18.2	18.6	102%	90% - 110%				
Er	14.2	14.9	105%	90% - 110%					14.2	15	106%	90% - 110%				
Eu	2.0	2	100%	90% - 110%					2.0	2	102%	90% - 110%				
Fe	4.34	4.66	107%	90% - 110%	25.54	24.59	96%	90% - 110%	4.34	4.13	95%	90% - 110%	25.54	24.0	94%	90% - 110%
Ga	35	37	106%	90% - 110%					35	37	105%	90% - 110%				
Gd	14	15	104%	90% - 110%					14	15	105%	90% - 110%				
Hf	10.6	11.2	105%	90% - 110%					10.6	11.7	110%	90% - 110%				
Ho	4.3	4.4	103%	90% - 110%					4.3	4.5	105%	90% - 110%				
K	1.37	1.42	104%	90% - 110%					1.37	1.37	100%	90% - 110%				
La	58	60	103%	90% - 110%					58	63	109%	90% - 110%				
Li	37	37.7	102%	90% - 110%					37	37.4	101%	90% - 110%				
Lu	2.1	2.2	106%	90% - 110%					2.1	2.3	108%	90% - 110%				
Mg	0.325	0.335	103%	90% - 110%	1.79	1.77	99%	90% - 110%	0.325	0.314	97%	90% - 110%	1.79	1.76	98%	90% - 110%
Mn	836	850	102%	90% - 110%	703	669	95%	90% - 110%	836	847	101%	90% - 110%	703	734	104%	90% - 110%
Nb	13	13	102%	90% - 110%					13	14	106%	90% - 110%				
Nd	57	57	100%	90% - 110%					57	59	104%	90% - 110%				
Ni	9	9	105%	90% - 110%	19530	18420	94%	90% - 110%	9	9	105%	90% - 110%	19530	18843	96%	90% - 110%
Pb	10	13	128%	90% - 110%	58	61	105%	90% - 110%	10	13	127%	90% - 110%	58	54	93%	90% - 110%
Pr	15.0	15.8	105%	90% - 110%					15.0	16	107%	90% - 110%				
Rb	55	56	102%	90% - 110%					55	56	103%	90% - 110%				



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S					14.14	13.44	95%	90% - 110%					14.14	14.27	101%	90% - 110%
Sc	1.1	0.8	72%	90% - 110%					1.1	0.8	74%	90% - 110%				
Si	23.3	23.6	101%	90% - 110%	15.23	14.09	93%	90% - 110%	23.3	23	99%	90% - 110%	15.23	15.47	102%	90% - 110%
Sm	12.7	12.7	100%	90% - 110%					12.7	13.4	106%	90% - 110%				
Sn	7.1	8.1	114%	90% - 110%					7.1	7.8	110%	90% - 110%				
Sr	1191	1191	100%	90% - 110%					1191	1188	100%	90% - 110%				
Ta	0.9	1	110%	90% - 110%					0.9	0.8	94%	90% - 110%				
Tb	2.6	2.7	104%	90% - 110%					2.6	2.8	108%	90% - 110%				
Th	1.4	1.2	89%	90% - 110%					1.4	1.2	88%	90% - 110%				
Ti	0.172	0.183	107%	90% - 110%					0.172	0.174	101%	90% - 110%				
Tm	2.3	2.5	108%	90% - 110%					2.3	2.5	107%	90% - 110%				
U	0.8	0.8	102%	90% - 110%					0.8	0.9	112%	90% - 110%				
V	8	6	78%	90% - 110%					8	6	81%	90% - 110%				
Y	119	119	100%	90% - 110%					119	119	100%	90% - 110%				
Yb	14.8	16.3	110%	90% - 110%					14.8	15.9	107%	90% - 110%				
Zn	93	98	105%	90% - 110%	235	233	99%	90% - 110%	93	90.6	97%	90% - 110%	235	233	99%	90% - 110%
Zr	517	562	108%	90% - 110%					517	564	109%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.SU-1b)				CRM #7 (ref.SY-4)				CRM #8 (ref.SY-4)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	6.38	100%	90% - 110%								
Al	10.95	11.6	106%	90% - 110%	4.30	4.67	109%	90% - 110%	10.95	10.9	99%	90% - 110%	10.95	11.96	109%	90% - 110%
As					2.49	1.85	74%	90% - 110%								
Ba	340	334	98%	90% - 110%					340	333	98%	90% - 110%	340	333	98%	90% - 110%
Be	2.6	2.9	110%	90% - 110%					2.6	2.8	107%	90% - 110%				
Ca	5.72	6.12	107%	90% - 110%	2.21	2.43	109%	90% - 110%	5.72	5.55	97%	90% - 110%	5.72	6.1	107%	90% - 110%
Ce	122	127	104%	90% - 110%					122	125	103%	90% - 110%				
Co	2.8	2.8	99%	90% - 110%	672	673	100%	90% - 110%	2.8	2.5	88%	90% - 110%				
Cr					0.032	0.0338	106%	90% - 110%								
Cs	1.5	1.7	111%	90% - 110%					1.5	1.6	107%	90% - 110%				
Cu					11850	12741	108%	90% - 110%	7	7	96%	90% - 110%	7	7	96%	90% - 110%
Dy	18.2	18.1	100%	90% - 110%					18.2	18.6	102%	90% - 110%				
Er	14.2	14.1	100%	90% - 110%					14.2	14.7	104%	90% - 110%				
Eu	2.0	2	100%	90% - 110%					2.0	2	100%	90% - 110%				
Fe	4.34	4.35	100%	90% - 110%	25.54	25.5	100%	90% - 110%	4.34	3.92	90%	90% - 110%	4.34	4.31	99%	90% - 110%



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Ga	35	36	103%	90% - 110%					35	36	102%	90% - 110%				
Gd	14	14	100%	90% - 110%					14	14	102%	90% - 110%				
Hf	10.6	11.2	106%	90% - 110%					10.6	10.2	96%	90% - 110%				
Ho	4.3	4.2	99%	90% - 110%					4.3	4.3	101%	90% - 110%				
K	1.37	1.46	106%	90% - 110%					1.37	1.31	95%	90% - 110%	1.37	1.44	105%	90% - 110%
La	58	59	101%	90% - 110%					58	59	102%	90% - 110%				
Li	37	38.6	104%	90% - 110%					37	35.0	95%	90% - 110%	37	38	104%	90% - 110%
Lu	2.1	2.1	101%	90% - 110%					2.1	2.1	101%	90% - 110%				
Mg	0.325	0.339	104%	90% - 110%	1.79	1.91	107%	90% - 110%	0.325	0.311	96%	90% - 110%	0.325	0.342	105%	90% - 110%
Mn	836	828	99%	90% - 110%	703	724	103%	90% - 110%	836	833	100%	90% - 110%	836	833	100%	90% - 110%
Nb	13	13	100%	90% - 110%					13	13	99%	90% - 110%				
Nd	57	56	98%	90% - 110%					57	57	100%	90% - 110%				
Ni	9	10	116%	90% - 110%	19530	19655	101%	90% - 110%	9	9	97%	90% - 110%	9	9	97%	90% - 110%
Pb	10	11	112%	90% - 110%	58	57	98%	90% - 110%								
Pr	15.0	15.4	103%	90% - 110%					15.0	15.2	102%	90% - 110%				
Rb	55	54	99%	90% - 110%					55	54	98%	90% - 110%				
S					14.14	14.9	105%	90% - 110%								
Si	23.3	24.6	106%	90% - 110%	15.23	15.6	102%	90% - 110%	23.3	22.6	97%	90% - 110%	23.3	22.6	97%	90% - 110%
Sm	12.7	12.3	97%	90% - 110%					12.7	12.5	99%	90% - 110%				
Sn	7.1	7.8	109%	90% - 110%					7.1	7.3	103%	90% - 110%				
Sr	1191	1273	107%	90% - 110%					1191	1184	99%	90% - 110%	1191	1184	99%	90% - 110%
Ta	0.9	0.8	84%	90% - 110%					0.9	0.8	85%	90% - 110%				
Tb	2.6	2.6	98%	90% - 110%					2.6	2.7	103%	90% - 110%				
Th	1.4	1.2	89%	90% - 110%					1.4	1.1	81%	90% - 110%				
Ti	0.172	0.185	108%	90% - 110%					0.172	0.172	100%	90% - 110%	0.172	0.18	105%	90% - 110%
Tm	2.3	2.4	103%	90% - 110%					2.3	2.3	102%	90% - 110%				
U	0.8	0.8	104%	90% - 110%					0.8	0.8	95%	90% - 110%				
V	8	7	91%	90% - 110%					8	6	78%	90% - 110%	8	6	78%	90% - 110%
Y	119	117	99%	90% - 110%					119	116	98%	90% - 110%				
Yb	14.8	15.5	105%	90% - 110%					14.8	15.4	104%	90% - 110%				
Zn	93	88.1	95%	90% - 110%	235	255	108%	90% - 110%	93	90	97%	90% - 110%	93	90	97%	90% - 110%
Zr	517	562	108%	90% - 110%					517	531	103%	90% - 110%				



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T345409

PROJECT:

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T345409

PROJECT:

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT:

AGAT WORK ORDER: 18T345406

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 17, 2018

PAGES (INCLUDING COVER): 29

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561749 (9287721)		3.32
E6561750 (9287722)		2.20
E6561751 (9287723)		2.28
E6561752 (9287724)		0.86
E6561753 (9287725)		2.52
E6561754 (9287726)		2.39
E6561755 (9287727)		2.52
E6561756 (9287728)		2.53
E6561757 (9287729)		1.03
E6561758 (9287730)		0.49
E6561759 (9287731)		1.84
E6561760 (9287732)		1.59
E6561761 (9287733)		3.42
E6561762 (9287734)		2.54
E6561763 (9287735)		0.94
E6561764 (9287736)		1.61
E6561765 (9287737)		2.47
E6561766 (9287738)		0.01
E6561767 (9287739)		3.39
E6561768 (9287740)		3.21
E6561769 (9287741)		2.78
E6561770 (9287742)		2.69
E6561771 (9287743)		3.55
E6561772 (9287744)		1.35
E6561773 (9287745)		1.40
E6561774 (9287746)		0.95
E6561775 (9287747)		2.80
E6561776 (9287748)		2.57
E6561777 (9287749)		2.60
E6561778 (9287750)		2.60
E6561779 (9287751)		0.94

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561780 (9287752)		2.32
E6561781 (9287753)		1.00
E6561782 (9287754)		1.14
E6561783 (9287755)		2.46
E6561784 (9287756)		2.73
E6561785 (9287757)		2.48
E6561786 (9287758)		0.01
E6561787 (9287759)		2.26
E6561788 (9287760)		2.67
E6561789 (9287761)		2.72
E6561790 (9287762)		1.65
E6561791 (9287763)		2.20
E6561792 (9287764)		1.22
E6561793 (9287765)		3.44
E6561794 (9287766)		2.31
E6561795 (9287767)		2.56
E6561796 (9287768)		2.59
E6561797 (9287769)		2.93
E6561798 (9287770)		2.93
E6561799 (9287771)		2.93
E6561800 (9287772)		3.18
E6561801 (9287773)		2.91
E6561802 (9287774)		2.45
E6561803 (9287775)		2.53
E6561804 (9287776)		2.39
E6561805 (9287777)		3.43
E6561806 (9287778)		0.01
E6561807 (9287779)		2.55
E6561808 (9287780)		2.67
E6561809 (9287781)		2.89
E6561810 (9287782)		2.71

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6561811 (9287783)		2.57
E6561812 (9287784)		1.14
E6561813 (9287785)		2.56
E6561814 (9287786)		1.12
E6561815 (9287787)		1.85
E6561816 (9287788)		3.17
E6561817 (9287789)		2.96
E6561818 (9287790)		2.95
E6561819 (9287791)		3.01
E6561820 (9287792)		3.35
E6561821 (9287793)		3.24
E6561822 (9287794)		3.03
E6561823 (9287795)		2.74
E6561824 (9287796)		2.79

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 17, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561749 (9287721)	<1	5.97	11	<20	221	<5	0.3	8.97	0.3	15.7	67.6	0.018	0.3	364	
E6561750 (9287722)	<1	6.34	5	<20	214	<5	0.1	5.42	1.6	55.6	39.7	0.040	0.6	185	
E6561751 (9287723)	1	6.62	7	<20	315	<5	0.1	5.26	0.7	80.0	38.4	0.043	0.4	38	
E6561752 (9287724)	<1	0.09	<5	<20	17.6	<5	<0.1	34.4	<0.2	1.3	1.4	<0.005	<0.1	7	
E6561753 (9287725)	<1	6.41	12	<20	310	<5	0.1	5.37	0.5	70.2	44.5	0.034	0.5	85	
E6561754 (9287726)	3	9.09	15	26	689	<5	0.4	6.71	0.3	14.1	51.8	0.026	2.5	205	
E6561755 (9287727)	<1	8.93	8	24	552	<5	0.1	6.21	<0.2	14.2	41.6	0.027	3.0	103	
E6561756 (9287728)	1	8.06	8	75	529	<5	0.3	7.41	0.3	12.0	47.7	0.023	3.7	277	
E6561757 (9287729)	1	6.01	12	51	166	<5	0.4	8.20	<0.2	28.2	74.6	0.021	1.4	409	
E6561758 (9287730)	1	6.16	11	90	139	<5	0.4	8.01	<0.2	24.6	62.7	0.019	1.6	322	
E6561759 (9287731)	<1	6.20	5	<20	390	<5	0.2	5.27	0.4	52.9	42.3	0.046	0.7	136	
E6561760 (9287732)	3	7.11	7	<20	224	<5	0.3	9.10	<0.2	20.3	72.2	0.017	2.5	785	
E6561761 (9287733)	<1	7.97	<5	24	504	<5	0.2	7.10	<0.2	22.2	50.2	0.022	2.5	119	
E6561762 (9287734)	<1	7.64	<5	<20	345	<5	0.2	6.38	0.4	19.1	49.0	0.019	2.8	153	
E6561763 (9287735)	<1	7.77	<5	<20	254	<5	0.2	8.46	0.4	22.7	46.4	0.021	0.9	177	
E6561764 (9287736)	<1	8.98	<5	22	827	<5	0.1	3.94	<0.2	25.7	30.4	0.006	0.7	79	
E6561765 (9287737)	<1	7.93	<5	<20	270	<5	0.1	7.57	<0.2	20.3	45.9	0.023	2.2	116	
E6561766 (9287738)	<1	4.46	537	96	159	<5	7.8	3.91	<0.2	69.5	959	0.005	2.5	2820	
E6561767 (9287739)	<1	7.21	6	<20	257	<5	0.2	6.83	<0.2	17.7	48.4	0.019	2.1	159	
E6561768 (9287740)	<1	7.23	12	<20	308	<5	0.2	6.59	3.9	18.2	44.3	0.020	1.0	109	
E6561769 (9287741)	<1	7.13	12	35	296	<5	0.2	5.96	0.4	17.9	51.9	0.018	2.3	157	
E6561770 (9287742)	<1	7.05	<5	<20	288	<5	0.2	5.07	1.1	17.3	46.4	0.017	1.2	79	
E6561771 (9287743)	<1	7.22	6	<20	277	<5	0.2	7.04	<0.2	19.1	52.0	0.018	1.3	91	
E6561772 (9287744)	<1	0.08	<5	<20	37.0	<5	<0.1	30.9	<0.2	0.9	1.5	<0.005	<0.1	8	
E6561773 (9287745)	<1	7.17	<5	<20	343	<5	0.3	6.56	0.2	17.6	50.7	0.017	1.0	97	
E6561774 (9287746)	<1	6.65	<5	<20	442	<5	<0.1	6.41	0.3	28.7	45.5	0.068	1.4	27	
E6561775 (9287747)	<1	8.11	6	<20	279	<5	0.3	5.92	<0.2	20.8	51.1	0.021	1.7	69	
E6561776 (9287748)	<1	8.14	<5	<20	384	<5	0.1	6.33	<0.2	23.1	44.4	0.021	1.3	71	
E6561777 (9287749)	<1	7.85	12	<20	261	<5	0.2	5.74	1.1	18.8	48.3	0.020	2.1	89	
E6561778 (9287750)	<1	7.82	15	<20	266	<5	0.2	5.72	1.3	18.7	48.3	0.021	2.2	83	
E6561779 (9287751)	<1	8.18	39	<20	444	<5	0.5	4.94	1.1	20.9	54.1	0.019	7.0	167	
E6561780 (9287752)	<1	6.51	15	<20	107	<5	<0.1	4.53	0.8	36.1	39.7	0.086	0.9	61	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6561781 (9287753)	<1	5.63	<5	<20	155	<5	<0.1	4.58	<0.2	41.9	38.1	0.125	1.3	34
E6561782 (9287754)	<1	9.10	6	<20	104	<5	<0.1	1.86	<0.2	28.2	22.8	0.027	1.0	120
E6561783 (9287755)	<1	5.89	<5	<20	186	<5	<0.1	4.86	<0.2	32.6	42.4	0.124	1.3	22
E6561784 (9287756)	<1	7.60	<5	25	130	<5	0.3	3.61	2.3	20.1	44.0	0.020	1.1	137
E6561785 (9287757)	<1	7.40	26	<20	93.9	<5	0.4	3.78	<0.2	15.3	48.7	0.022	0.8	378
E6561786 (9287758)	<1	4.83	575	102	167	<5	8.6	3.86	<0.2	75.4	1060	0.006	2.7	2990
E6561787 (9287759)	<1	7.63	<5	<20	242	<5	0.2	4.71	0.5	19.6	41.5	0.018	1.4	87
E6561788 (9287760)	<1	7.46	13	<20	254	<5	1.0	4.98	0.6	18.9	46.8	0.017	2.3	106
E6561789 (9287761)	<1	7.53	<5	<20	300	<5	0.1	4.94	<0.2	17.8	46.1	0.018	1.3	64
E6561790 (9287762)	<1	7.63	<5	<20	201	<5	0.2	4.87	<0.2	18.4	51.9	0.017	3.2	94
E6561791 (9287763)	<1	6.38	12	1160	338	<5	0.2	5.35	<0.2	15.6	43.6	0.015	3.5	125
E6561792 (9287764)	<1	0.08	<5	<20	14.2	<5	<0.1	31.4	<0.2	1.1	1.8	<0.005	<0.1	7
E6561793 (9287765)	<1	7.78	5	<20	359	<5	<0.1	5.09	<0.2	18.0	49.2	0.018	4.2	22
E6561794 (9287766)	<1	8.06	<5	38	556	<5	<0.1	3.07	<0.2	36.4	25.0	0.024	0.4	25
E6561795 (9287767)	<1	8.11	<5	<20	258	<5	0.2	5.26	<0.2	17.6	55.1	0.018	1.2	75
E6561796 (9287768)	<1	8.34	<5	<20	328	<5	0.1	4.78	<0.2	17.6	60.4	0.019	0.9	71
E6561797 (9287769)	<1	8.35	<5	44	299	<5	0.2	5.46	<0.2	18.4	54.2	0.019	0.9	140
E6561798 (9287770)	<1	8.51	<5	49	308	<5	0.2	5.46	<0.2	17.7	54.3	0.020	0.9	147
E6561799 (9287771)	<1	7.50	<5	<20	195	<5	0.2	6.21	<0.2	20.1	51.7	0.019	1.8	98
E6561800 (9287772)	<1	7.31	10	<20	132	<5	0.4	5.29	<0.2	19.7	43.6	0.017	1.4	656
E6561801 (9287773)	<1	7.67	37	<20	237	<5	0.8	4.77	0.2	27.4	39.6	0.016	2.2	103
E6561802 (9287774)	1	7.53	23	<20	110	<5	1.0	5.48	<0.2	24.4	37.1	0.016	1.0	294
E6561803 (9287775)	<1	7.87	45	<20	113	<5	1.6	5.07	<0.2	20.0	37.7	0.016	1.0	234
E6561804 (9287776)	<1	7.90	148	<20	34.5	<5	3.2	3.71	<0.2	30.1	188	0.017	0.7	368
E6561805 (9287777)	<1	7.89	15	<20	97.5	<5	0.5	5.16	<0.2	20.3	51.9	0.017	1.5	80
E6561806 (9287778)	<1	4.90	553	100	168	<5	8.8	3.96	<0.2	72.6	1070	0.006	2.9	2960
E6561807 (9287779)	<1	7.90	12	<20	238	<5	0.4	4.91	<0.2	20.2	45.3	0.016	2.6	82
E6561808 (9287780)	<1	7.79	13	<20	195	<5	0.5	4.89	<0.2	20.2	46.8	0.016	1.0	161
E6561809 (9287781)	<1	7.49	7	<20	350	<5	0.3	5.05	<0.2	20.7	41.6	0.017	1.6	89
E6561810 (9287782)	<1	7.83	5	<20	264	<5	0.2	5.06	<0.2	20.3	43.9	0.017	1.4	107
E6561811 (9287783)	<1	7.95	14	<20	269	<5	0.3	5.21	<0.2	19.0	48.2	0.017	0.6	266
E6561812 (9287784)	<1	0.10	<5	<20	15.0	<5	<0.1	32.4	<0.2	1.1	1.6	<0.005	<0.1	10

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6561813 (9287785)	<1	7.66	8	<20	140	<5	0.3	5.97	0.2	20.0	46.2	0.016	1.0	106	
E6561814 (9287786)	<1	8.04	8	<20	165	<5	0.2	5.21	<0.2	20.3	45.7	0.018	0.9	143	
E6561815 (9287787)	<1	7.85	8	<20	442	<5	<0.1	3.21	<0.2	49.4	23.8	0.032	0.3	173	
E6561816 (9287788)	<1	7.81	11	<20	419	<5	<0.1	3.47	<0.2	54.3	29.1	0.037	0.4	100	
E6561817 (9287789)	<1	7.63	10	32	370	<5	0.2	6.03	<0.2	20.9	43.3	0.018	1.9	85	
E6561818 (9287790)	<1	7.69	9	33	365	<5	0.2	6.05	<0.2	20.6	43.3	0.018	2.0	85	
E6561819 (9287791)	<1	7.55	<5	33	270	<5	0.1	6.94	0.3	21.1	38.5	0.018	0.8	46	
E6561820 (9287792)	<1	7.56	<5	71	138	<5	0.2	7.33	<0.2	20.1	41.7	0.018	1.2	68	
E6561821 (9287793)	<1	7.59	<5	38	195	<5	<0.1	7.32	<0.2	20.9	40.6	0.019	0.6	17	
E6561822 (9287794)	<1	7.21	6	67	234	<5	0.2	7.04	<0.2	21.5	46.1	0.019	1.5	69	
E6561823 (9287795)	<1	7.75	<5	24	544	<5	0.1	5.28	<0.2	20.5	49.1	0.017	5.2	38	
E6561824 (9287796)	<1	7.22	<5	22	319	<5	<0.1	6.55	<0.2	20.2	47.1	0.020	2.7	47	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6561749 (9287721)	4.17	2.45	1.24	13.0	16.4	3.80	2	2	0.82	0.2	0.66	7.2	19	0.35
E6561750 (9287722)	4.47	1.98	2.10	9.10	16.7	6.79	2	4	0.77	<0.2	0.42	22.7	32	0.24
E6561751 (9287723)	4.29	1.85	2.14	8.06	16.7	7.84	1	4	0.76	<0.2	0.69	36.1	35	0.23
E6561752 (9287724)	0.26	0.13	0.06	0.11	0.20	0.26	<1	<1	<0.05	<0.2	<0.05	1.4	<10	<0.05
E6561753 (9287725)	4.51	2.02	2.22	8.66	17.3	7.44	2	4	0.76	<0.2	0.57	30.8	33	0.24
E6561754 (9287726)	4.57	2.86	1.20	9.53	19.4	3.76	2	2	0.95	0.3	1.92	5.8	20	0.40
E6561755 (9287727)	4.48	2.85	1.06	8.73	18.8	3.99	1	2	0.91	<0.2	1.57	5.7	19	0.39
E6561756 (9287728)	4.03	2.59	0.92	13.0	18.4	3.48	1	2	0.88	<0.2	1.50	5.0	23	0.39
E6561757 (9287729)	4.86	3.06	1.50	15.0	17.2	4.79	2	2	0.97	<0.2	0.61	12.8	14	0.47
E6561758 (9287730)	4.50	2.85	1.16	15.8	16.1	4.51	2	2	0.94	<0.2	0.55	10.7	18	0.42
E6561759 (9287731)	4.15	2.04	1.82	8.90	16.8	6.85	1	4	0.78	<0.2	0.84	22.8	28	0.24
E6561760 (9287732)	5.72	3.63	1.76	14.8	18.4	5.33	2	3	1.21	<0.2	0.90	8.4	13	0.54
E6561761 (9287733)	6.30	3.89	1.41	10.2	20.1	5.61	2	3	1.33	<0.2	1.53	8.8	18	0.54
E6561762 (9287734)	6.18	3.94	1.44	10.7	19.3	5.38	2	3	1.26	<0.2	1.18	7.8	19	0.55
E6561763 (9287735)	6.30	3.81	1.50	10.3	20.0	5.79	2	3	1.29	<0.2	0.74	10.0	15	0.55
E6561764 (9287736)	3.29	1.97	0.88	6.91	18.3	3.40	1	2	0.64	<0.2	2.19	11.9	18	0.29
E6561765 (9287737)	5.83	3.87	1.30	9.92	19.6	5.40	2	3	1.25	<0.2	0.94	8.3	13	0.52
E6561766 (9287738)	3.42	1.89	0.88	3.20	11.6	4.37	1	4	0.63	0.2	3.20	34.3	<10	0.26
E6561767 (9287739)	5.45	3.39	1.11	10.2	17.2	4.63	1	3	1.14	<0.2	0.85	7.0	11	0.51
E6561768 (9287740)	5.38	3.65	1.13	10.2	17.2	4.81	1	3	1.13	<0.2	0.78	7.4	11	0.51
E6561769 (9287741)	5.16	3.50	1.16	10.5	17.5	4.78	2	3	1.11	<0.2	1.02	7.2	13	0.49
E6561770 (9287742)	5.26	3.53	1.25	10.6	18.3	4.97	1	3	1.18	<0.2	0.69	7.1	13	0.51
E6561771 (9287743)	5.40	3.43	1.35	11.6	19.3	4.94	2	3	1.16	<0.2	0.73	7.7	12	0.50
E6561772 (9287744)	0.21	0.11	<0.05	0.11	0.20	0.21	<1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6561773 (9287745)	5.36	3.44	1.11	10.6	17.2	4.63	1	3	1.11	<0.2	0.72	7.1	11	0.49
E6561774 (9287746)	3.80	2.29	1.13	9.19	14.5	4.68	2	2	0.77	<0.2	0.88	12.2	27	0.30
E6561775 (9287747)	5.88	3.71	1.23	10.5	19.5	5.31	2	3	1.25	<0.2	0.84	8.4	19	0.51
E6561776 (9287748)	5.42	3.42	1.28	9.83	19.2	5.06	2	3	1.10	<0.2	1.05	9.8	15	0.51
E6561777 (9287749)	5.51	3.65	1.18	10.3	18.5	5.15	2	3	1.21	<0.2	0.87	7.5	14	0.48
E6561778 (9287750)	5.59	3.64	1.16	10.4	18.8	4.91	2	3	1.18	<0.2	0.90	7.4	17	0.50
E6561779 (9287751)	6.22	4.02	1.23	10.5	20.1	5.37	2	3	1.35	<0.2	1.47	8.6	24	0.53
E6561780 (9287752)	2.75	1.56	1.14	9.26	15.4	3.99	2	2	0.55	<0.2	0.45	17.3	34	0.22

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6561781 (9287753)	3.31	1.85	1.14	9.94	14.1	4.19	2	2	0.62	<0.2	0.58	21.1	73	0.22
E6561782 (9287754)	2.79	1.52	1.28	7.77	17.0	3.39	1	2	0.53	<0.2	0.93	12.6	52	0.21
E6561783 (9287755)	2.97	1.53	1.05	8.29	13.0	3.82	2	2	0.55	<0.2	0.61	14.7	60	0.22
E6561784 (9287756)	5.54	3.59	1.33	10.3	18.3	5.22	2	3	1.19	<0.2	0.22	8.0	36	0.59
E6561785 (9287757)	5.97	4.03	1.13	10.6	18.7	4.74	2	3	1.30	<0.2	0.25	6.3	45	0.57
E6561786 (9287758)	3.32	1.99	0.95	3.32	12.2	4.39	2	5	0.67	0.3	3.28	37.8	<10	0.30
E6561787 (9287759)	5.88	3.76	1.24	10.7	20.2	5.00	2	3	1.21	<0.2	0.33	7.6	26	0.52
E6561788 (9287760)	5.44	3.76	1.25	10.5	19.9	4.90	2	3	1.19	<0.2	0.45	7.5	24	0.54
E6561789 (9287761)	5.79	3.87	1.22	10.4	19.4	4.93	2	3	1.24	<0.2	0.59	6.9	24	0.53
E6561790 (9287762)	5.92	3.71	1.29	10.5	20.4	5.36	2	3	1.25	<0.2	0.73	7.3	29	0.58
E6561791 (9287763)	4.29	3.01	1.08	9.60	17.4	4.11	2	2	0.97	<0.2	1.67	6.4	26	0.48
E6561792 (9287764)	0.26	0.15	0.17	0.13	0.24	0.27	1	<1	0.06	<0.2	<0.05	1.4	<10	<0.05
E6561793 (9287765)	5.72	3.61	1.30	9.97	20.3	5.12	2	3	1.22	<0.2	1.15	7.2	40	0.57
E6561794 (9287766)	2.08	1.21	1.01	4.31	17.9	3.28	1	3	0.38	<0.2	1.76	17.0	<10	0.17
E6561795 (9287767)	5.26	3.52	1.28	9.78	20.4	4.64	2	3	1.09	<0.2	0.48	7.2	20	0.50
E6561796 (9287768)	5.61	3.55	1.28	8.38	19.9	4.73	1	3	1.14	<0.2	0.59	6.9	21	0.50
E6561797 (9287769)	5.54	3.55	1.44	8.77	20.8	5.02	2	3	1.12	<0.2	0.56	7.4	16	0.50
E6561798 (9287770)	5.49	3.51	1.37	8.96	21.1	5.03	2	3	1.14	<0.2	0.59	7.2	15	0.55
E6561799 (9287771)	5.70	3.89	1.25	11.6	19.9	5.06	2	3	1.23	<0.2	0.66	7.9	18	0.58
E6561800 (9287772)	5.63	3.58	1.34	11.3	20.0	5.30	2	3	1.17	<0.2	0.52	8.2	25	0.56
E6561801 (9287773)	6.16	3.88	1.53	10.6	20.0	6.10	2	3	1.31	<0.2	0.70	12.0	25	0.58
E6561802 (9287774)	5.98	3.83	1.44	9.59	18.7	5.69	2	3	1.26	<0.2	0.44	11.4	23	0.53
E6561803 (9287775)	5.72	3.71	1.56	11.1	19.8	5.23	2	3	1.24	<0.2	0.45	7.9	26	0.52
E6561804 (9287776)	5.45	3.47	1.60	11.6	22.5	5.65	2	4	1.13	0.3	0.25	12.7	47	0.55
E6561805 (9287777)	6.07	3.83	1.39	10.1	21.0	5.33	2	3	1.28	<0.2	0.45	8.1	20	0.57
E6561806 (9287778)	3.25	1.99	0.95	3.32	12.4	4.25	2	5	0.66	0.3	3.32	36.2	<10	0.28
E6561807 (9287779)	5.96	3.92	1.36	10.5	19.9	5.32	2	3	1.28	<0.2	0.64	8.1	24	0.59
E6561808 (9287780)	6.11	3.83	1.21	10.3	20.3	5.41	2	3	1.27	<0.2	0.42	8.5	20	0.58
E6561809 (9287781)	6.01	3.74	1.28	10.1	20.9	5.25	2	3	1.23	<0.2	0.59	8.5	20	0.64
E6561810 (9287782)	5.94	3.90	1.34	9.76	20.0	5.27	2	3	1.25	<0.2	0.56	8.0	18	0.59
E6561811 (9287783)	6.04	3.72	1.35	9.50	21.2	5.20	2	3	1.23	<0.2	0.47	7.5	13	0.54
E6561812 (9287784)	0.25	0.17	<0.05	0.15	0.26	0.25	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6561813 (9287785)		5.90	3.75	1.35	8.70	20.0	5.31	1	3	1.26	<0.2	0.42	8.0	13	0.57
E6561814 (9287786)		6.06	3.78	1.45	8.50	21.6	5.26	2	3	1.28	<0.2	0.55	8.1	20	0.59
E6561815 (9287787)		2.63	1.33	1.28	4.95	20.3	4.37	1	4	0.50	<0.2	0.57	22.8	13	0.18
E6561816 (9287788)		2.90	1.40	1.42	5.17	20.0	4.80	1	4	0.52	<0.2	0.58	24.4	11	0.20
E6561817 (9287789)		6.44	3.88	1.37	9.71	19.4	5.67	2	3	1.31	<0.2	1.49	8.4	20	0.59
E6561818 (9287790)		6.19	3.82	1.37	9.84	19.7	5.57	2	3	1.27	<0.2	1.51	8.5	21	0.57
E6561819 (9287791)		5.84	3.72	1.39	10.1	19.3	5.36	2	3	1.23	<0.2	1.06	8.7	13	0.56
E6561820 (9287792)		5.74	3.55	1.32	9.62	19.1	5.43	2	3	1.22	<0.2	0.81	8.2	11	0.51
E6561821 (9287793)		6.19	3.81	1.40	9.33	20.0	5.42	2	3	1.30	<0.2	1.03	8.8	<10	0.62
E6561822 (9287794)		5.91	3.80	1.45	9.63	18.9	5.50	2	3	1.19	<0.2	1.03	8.9	<10	0.56
E6561823 (9287795)		6.42	4.07	1.44	10.1	19.9	5.73	2	4	1.37	<0.2	2.66	8.0	34	0.63
E6561824 (9287796)		6.07	3.81	1.29	9.50	19.0	5.12	2	3	1.29	<0.2	1.60	8.2	18	0.55

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 17, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561749 (9287721)	5.54	2800	10	2	10.6	103	0.04	121	2.16	14.2	0.67	1.5	31	21.5	
E6561750 (9287722)	6.46	2060	<2	6	34.5	238	0.23	71	7.59	9.2	0.15	0.5	24	22.1	
E6561751 (9287723)	6.13	1820	<2	7	46.0	477	0.19	410	10.3	14.0	0.06	0.4	21	23.4	
E6561752 (9287724)	1.71	62	<2	<1	1.1	<5	<0.01	<5	0.24	0.3	<0.01	<0.1	<5	2.74	
E6561753 (9287725)	6.04	1960	2	7	41.7	216	0.23	80	9.24	11.9	0.12	0.6	21	22.4	
E6561754 (9287726)	2.37	2080	4	3	10.0	79	0.05	33	2.03	64.0	0.55	1.2	44	21.8	
E6561755 (9287727)	2.09	2240	7	3	10.8	65	0.05	12	2.08	66.8	0.21	0.5	42	22.8	
E6561756 (9287728)	2.69	3710	8	3	9.1	62	0.05	22	1.76	69.1	0.74	1.2	41	19.9	
E6561757 (9287729)	3.85	4730	3	4	17.1	87	0.08	26	3.75	20.0	1.22	2.3	32	19.6	
E6561758 (9287730)	3.61	5200	2	4	15.6	86	0.07	20	3.33	20.8	0.87	1.4	32	19.6	
E6561759 (9287731)	5.75	2390	<2	6	33.2	255	0.21	128	7.16	21.0	0.39	0.5	22	22.3	
E6561760 (9287732)	2.63	3260	17	5	14.6	69	0.07	16	2.85	38.4	1.23	1.6	36	19.6	
E6561761 (9287733)	2.46	2420	6	5	16.1	77	0.08	18	3.16	61.0	0.25	0.6	42	22.4	
E6561762 (9287734)	2.64	2450	6	5	13.8	61	0.08	18	2.77	47.1	0.30	0.7	42	22.2	
E6561763 (9287735)	2.45	2390	7	5	15.8	64	0.07	35	3.18	22.6	0.23	1.2	41	22.2	
E6561764 (9287736)	2.66	1400	<2	3	13.9	23	0.10	24	3.16	53.4	0.18	0.2	24	24.7	
E6561765 (9287737)	2.37	2350	7	5	14.0	69	0.08	10	2.90	35.9	0.18	0.6	40	23.1	
E6561766 (9287738)	2.46	445	11	8	30.2	155	0.07	12	7.99	102	1.48	1.4	6	24.8	
E6561767 (9287739)	2.39	2420	7	5	12.7	65	0.07	161	2.54	32.7	0.30	0.6	38	20.6	
E6561768 (9287740)	2.45	2230	8	5	13.0	66	0.06	793	2.61	20.7	0.22	0.8	38	21.1	
E6561769 (9287741)	2.35	2450	7	5	12.5	67	0.06	191	2.54	35.5	0.36	0.8	37	21.2	
E6561770 (9287742)	2.76	2450	3	5	12.6	72	0.06	471	2.52	18.1	0.24	0.7	39	21.0	
E6561771 (9287743)	2.58	2700	8	5	14.0	71	0.06	38	2.73	22.5	0.21	0.7	37	20.5	
E6561772 (9287744)	2.22	62	<2	<1	0.9	<5	<0.01	<5	0.17	0.3	<0.01	<0.1	<5	3.35	
E6561773 (9287745)	2.45	2540	8	5	12.5	70	0.06	46	2.51	18.4	0.31	0.9	37	20.5	
E6561774 (9287746)	5.98	2290	<2	3	18.0	184	0.16	25	3.92	24.9	<0.01	0.2	32	22.8	
E6561775 (9287747)	2.81	2490	2	5	14.8	85	0.07	42	2.95	27.9	0.21	0.6	42	23.0	
E6561776 (9287748)	2.80	2230	3	5	14.7	65	0.08	50	3.07	31.7	0.15	0.5	36	23.1	
E6561777 (9287749)	2.67	2490	3	5	13.7	69	0.07	73	2.74	32.2	0.26	0.6	41	22.8	
E6561778 (9287750)	2.70	2520	3	5	13.4	72	0.07	72	2.76	33.6	0.25	0.5	42	22.7	
E6561779 (9287751)	2.73	2110	3	5	14.6	80	0.08	95	3.04	89.3	0.52	0.9	43	22.6	
E6561780 (9287752)	6.69	1790	<2	3	19.4	262	0.14	60	4.53	9.8	0.05	0.2	24	22.3	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018	DATE RECEIVED: Jun 01, 2018					DATE REPORTED: Jul 17, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561781 (9287753)	10.2	2010	<2	3	21.0	493	0.16	<5	4.99	12.7	<0.01	0.2	26	19.4	
E6561782 (9287754)	4.45	1330	3	3	17.2	140	0.12	10	3.87	14.9	0.10	0.2	20	21.7	
E6561783 (9287755)	9.32	1980	<2	3	18.2	436	0.16	6	4.33	15.3	<0.01	0.2	26	21.4	
E6561784 (9287756)	4.57	3580	<2	5	13.9	83	0.07	261	2.93	7.6	0.37	0.5	41	21.1	
E6561785 (9287757)	5.02	3040	<2	5	11.1	93	0.07	48	2.30	5.7	0.50	1.4	42	21.8	
E6561786 (9287758)	2.55	468	13	9	31.8	157	0.08	14	8.74	113	1.56	1.6	7	25.9	
E6561787 (9287759)	3.88	2930	3	5	13.6	61	0.08	57	2.86	14.8	0.19	0.7	42	22.0	
E6561788 (9287760)	3.96	2400	3	5	13.0	63	0.07	40	2.83	24.3	0.20	0.5	40	22.2	
E6561789 (9287761)	3.91	1740	<2	5	12.9	54	0.07	9	2.68	15.6	0.15	0.3	42	22.1	
E6561790 (9287762)	4.01	1640	<2	5	13.3	56	0.07	5	2.77	33.4	0.24	0.2	42	21.4	
E6561791 (9287763)	3.40	3860	11	4	10.4	44	0.06	14	2.23	46.1	0.29	0.5	32	22.7	
E6561792 (9287764)	1.96	66	<2	<1	1.0	<5	0.01	<5	0.24	0.5	<0.01	<0.1	<5	4.30	
E6561793 (9287765)	4.23	1940	<2	5	13.0	55	0.07	<5	2.68	47.4	0.05	0.2	43	21.3	
E6561794 (9287766)	2.64	1010	<2	4	19.0	56	0.09	26	4.69	32.4	0.03	0.2	15	26.7	
E6561795 (9287767)	3.75	1780	<2	4	12.0	108	0.06	6	2.56	19.0	0.12	0.5	38	21.9	
E6561796 (9287768)	3.43	1860	<2	4	12.2	102	0.07	5	2.59	20.1	0.09	0.4	42	23.1	
E6561797 (9287769)	2.86	1970	<2	5	13.1	91	0.06	10	2.66	19.9	0.14	1.1	42	22.8	
E6561798 (9287770)	2.97	2030	<2	5	12.6	90	0.07	8	2.63	19.9	0.14	1.1	43	23.4	
E6561799 (9287771)	2.95	2640	3	5	13.4	68	0.07	9	2.90	26.1	0.23	0.6	41	21.5	
E6561800 (9287772)	3.64	2090	3	5	13.7	70	0.07	56	2.83	17.9	0.18	0.5	40	21.1	
E6561801 (9287773)	3.42	1870	4	5	17.5	57	0.08	188	3.88	31.6	0.28	0.8	39	21.7	
E6561802 (9287774)	3.29	1700	<2	5	15.5	54	0.08	115	3.30	17.0	0.11	0.6	40	21.2	
E6561803 (9287775)	4.09	1810	<2	5	13.9	63	0.07	23	2.92	15.6	0.27	0.7	41	21.4	
E6561804 (9287776)	5.08	1620	<2	6	18.5	98	0.08	27	4.12	6.3	1.01	0.7	44	18.7	
E6561805 (9287777)	3.85	2070	<2	5	14.5	69	0.08	7	2.95	22.5	0.16	0.6	43	21.9	
E6561806 (9287778)	2.48	472	13	9	31.5	157	0.07	13	8.39	114	1.52	1.6	7	26.0	
E6561807 (9287779)	4.06	2430	<2	5	14.1	60	0.08	21	2.93	35.3	0.12	0.7	42	22.5	
E6561808 (9287780)	3.93	2330	<2	5	14.0	60	0.08	10	2.94	15.8	0.16	0.5	42	22.3	
E6561809 (9287781)	3.64	2350	<2	5	14.1	56	0.08	23	3.00	26.0	0.12	0.5	43	21.9	
E6561810 (9287782)	3.28	2030	<2	5	13.9	58	0.08	10	2.98	24.8	0.15	0.5	43	22.6	
E6561811 (9287783)	3.41	1930	<2	5	13.6	60	0.08	9	2.79	15.3	0.18	0.4	43	23.0	
E6561812 (9287784)	2.36	74	<2	<1	1.0	<5	0.01	<5	0.23	0.3	<0.01	<0.1	<5	4.17	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6561813 (9287785)	3.29	2000	<2	5	14.1	63	0.08	13	2.95	19.4	0.09	0.3	43	21.6
E6561814 (9287786)	3.38	1840	<2	5	13.8	65	0.08	33	2.93	19.4	0.06	0.2	45	22.7
E6561815 (9287787)	2.83	1020	6	5	26.0	88	0.13	43	6.32	13.0	0.03	0.2	15	27.0
E6561816 (9287788)	3.12	1050	5	5	28.1	215	0.14	33	7.02	15.9	0.02	0.2	15	26.8
E6561817 (9287789)	3.45	2080	4	5	14.6	61	0.07	22	3.12	68.4	0.11	0.5	42	21.7
E6561818 (9287790)	3.51	2060	4	5	14.6	60	0.08	24	2.95	69.8	0.11	0.5	41	21.9
E6561819 (9287791)	3.47	2200	3	5	14.8	58	0.07	16	3.05	40.2	0.02	0.4	41	21.7
E6561820 (9287792)	3.55	2160	3	5	13.5	57	0.07	8	2.92	35.5	0.07	0.4	41	22.0
E6561821 (9287793)	3.25	2110	4	5	14.5	61	0.08	12	3.10	43.3	<0.01	0.3	42	21.3
E6561822 (9287794)	3.33	2300	9	5	14.6	64	0.07	27	3.13	44.8	0.08	0.5	40	21.8
E6561823 (9287795)	3.83	2110	2	5	14.8	69	0.07	12	3.03	139	0.07	0.3	42	20.5
E6561824 (9287796)	3.01	2100	8	5	14.7	62	0.07	20	2.93	77.8	0.10	0.3	40	21.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561749 (9287721)	2.9	2	298	<0.5	0.64	0.4	0.51	<0.5	0.35	0.42	233	2	23.9	2.4
E6561750 (9287722)	7.4	2	246	<0.5	0.90	2.9	0.73	<0.5	0.25	0.76	187	1	20.1	1.8
E6561751 (9287723)	9.0	2	254	<0.5	0.99	3.6	0.69	<0.5	0.26	0.85	152	<1	20.1	1.7
E6561752 (9287724)	0.2	<1	55.6	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.07	<5	<1	2.4	0.1
E6561753 (9287725)	8.4	2	239	<0.5	0.95	3.1	0.71	<0.5	0.25	0.84	170	<1	20.3	1.7
E6561754 (9287726)	2.9	1	259	<0.5	0.70	0.6	0.77	<0.5	0.41	0.17	316	3	23.5	2.8
E6561755 (9287727)	3.1	1	178	<0.5	0.69	0.6	0.76	<0.5	0.40	0.13	305	3	24.0	2.7
E6561756 (9287728)	2.7	1	214	<0.5	0.61	0.5	0.68	<0.5	0.37	0.12	299	3	21.9	2.6
E6561757 (9287729)	4.4	1	218	<0.5	0.80	1.0	0.69	<0.5	0.42	0.29	264	4	26.4	3.1
E6561758 (9287730)	3.9	1	183	<0.5	0.73	0.9	0.70	<0.5	0.39	0.26	259	3	25.3	2.9
E6561759 (9287731)	7.2	1	274	<0.5	0.89	2.9	0.66	<0.5	0.26	0.82	174	1	20.0	1.8
E6561760 (9287732)	4.0	1	199	<0.5	0.91	0.8	0.87	<0.5	0.51	0.23	314	5	31.6	3.6
E6561761 (9287733)	4.5	1	154	<0.5	0.98	1.0	0.99	<0.5	0.56	0.26	355	3	33.9	3.8
E6561762 (9287734)	4.0	1	131	<0.5	0.96	0.9	0.95	<0.5	0.56	0.32	349	4	33.9	3.6
E6561763 (9287735)	4.4	1	192	<0.5	0.95	0.8	0.94	<0.5	0.54	0.24	343	4	34.6	3.8
E6561764 (9287736)	3.2	1	190	<0.5	0.54	2.3	0.45	<0.5	0.28	0.69	196	1	17.4	2.0
E6561765 (9287737)	4.3	1	139	<0.5	0.93	0.9	0.97	<0.5	0.50	0.25	348	3	32.8	3.6
E6561766 (9287738)	5.4	2	26.8	0.6	0.60	10.5	0.21	0.7	0.26	6.32	53	4	18.4	1.8
E6561767 (9287739)	3.6	1	120	<0.5	0.83	0.8	0.89	<0.5	0.51	0.21	321	3	29.2	3.4
E6561768 (9287740)	3.9	3	114	<0.5	0.85	0.8	0.90	<0.5	0.49	0.25	320	3	29.2	3.5
E6561769 (9287741)	3.7	1	107	<0.5	0.83	0.8	0.88	<0.5	0.48	0.20	315	44	29.1	3.4
E6561770 (9287742)	3.7	2	99.0	<0.5	0.81	0.7	0.89	<0.5	0.50	0.40	322	4	30.6	3.5
E6561771 (9287743)	4.0	1	180	<0.5	0.90	0.7	0.94	<0.5	0.49	0.20	320	3	30.8	3.4
E6561772 (9287744)	0.1	<1	46.6	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	1.9	0.1
E6561773 (9287745)	3.6	1	161	<0.5	0.83	0.8	0.96	<0.5	0.48	0.22	314	3	29.4	3.3
E6561774 (9287746)	4.4	1	240	<0.5	0.67	1.9	0.58	<0.5	0.32	0.54	215	1	20.0	2.1
E6561775 (9287747)	4.1	1	125	<0.5	0.91	1.0	1.04	<0.5	0.55	0.26	342	4	32.7	3.7
E6561776 (9287748)	4.2	1	155	<0.5	0.83	1.4	0.86	<0.5	0.48	0.40	290	3	29.4	3.3
E6561777 (9287749)	4.1	1	109	<0.5	0.90	0.9	1.03	<0.5	0.52	0.23	344	4	30.7	3.5
E6561778 (9287750)	3.9	1	111	<0.5	0.88	0.9	1.02	<0.5	0.50	0.24	346	5	29.9	3.6
E6561779 (9287751)	4.4	2	164	<0.5	0.98	0.9	1.08	0.6	0.56	0.27	354	4	33.3	3.9
E6561780 (9287752)	3.9	2	116	<0.5	0.54	2.5	0.41	<0.5	0.23	0.64	169	<1	14.7	1.6

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561781 (9287753)	4.3	2	72.7	<0.5	0.61	2.4	0.40	<0.5	0.24	0.69	170	1	17.0	1.6
E6561782 (9287754)	3.5	2	67.3	<0.5	0.49	2.1	0.42	<0.5	0.21	1.07	137	<1	13.6	1.5
E6561783 (9287755)	4.0	<1	157	<0.5	0.51	2.2	0.39	<0.5	0.23	0.66	161	2	16.0	1.5
E6561784 (9287756)	4.1	<1	159	<0.5	0.87	0.9	1.00	<0.5	0.52	0.25	342	1	33.4	3.7
E6561785 (9287757)	3.7	<1	125	<0.5	0.92	0.9	1.02	<0.5	0.59	0.31	340	2	36.1	3.7
E6561786 (9287758)	5.8	2	28.2	0.7	0.61	11.6	0.24	0.8	0.29	6.63	56	4	19.8	2.0
E6561787 (9287759)	4.2	<1	203	<0.5	0.88	0.9	1.04	<0.5	0.53	0.26	351	2	34.7	3.5
E6561788 (9287760)	4.0	<1	166	<0.5	0.85	0.8	1.02	<0.5	0.52	0.23	337	1	34.9	3.5
E6561789 (9287761)	4.0	<1	145	<0.5	0.86	0.8	1.07	<0.5	0.57	0.22	346	<1	34.8	3.6
E6561790 (9287762)	4.1	<1	133	<0.5	0.90	0.8	1.03	<0.5	0.57	0.22	351	<1	36.5	3.8
E6561791 (9287763)	3.2	<1	108	<0.5	0.71	0.6	0.75	<0.5	0.46	0.17	291	<1	27.7	3.1
E6561792 (9287764)	0.2	<1	50.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.7	0.1
E6561793 (9287765)	4.0	<1	157	<0.5	0.87	0.8	1.07	<0.5	0.55	0.23	359	<1	35.1	3.7
E6561794 (9287766)	3.8	<1	205	<0.5	0.42	2.9	0.28	<0.5	0.18	1.03	109	<1	12.2	1.2
E6561795 (9287767)	3.8	<1	258	<0.5	0.82	0.7	0.93	<0.5	0.51	0.20	315	<1	31.4	3.3
E6561796 (9287768)	3.9	<1	220	<0.5	0.86	0.7	1.02	<0.5	0.52	0.21	352	<1	31.8	3.4
E6561797 (9287769)	4.0	<1	270	<0.5	0.88	0.7	1.04	<0.5	0.53	0.22	361	1	32.3	3.4
E6561798 (9287770)	3.9	<1	274	<0.5	0.84	0.7	1.06	<0.5	0.52	0.21	369	<1	33.1	3.4
E6561799 (9287771)	4.1	<1	138	<0.5	0.88	0.8	0.99	<0.5	0.53	0.22	338	1	35.9	3.7
E6561800 (9287772)	4.1	<1	82.8	<0.5	0.86	0.8	0.97	<0.5	0.58	0.30	336	1	35.3	3.6
E6561801 (9287773)	4.9	1	121	<0.5	1.01	1.9	0.94	<0.5	0.61	0.58	318	2	38.2	3.8
E6561802 (9287774)	4.4	<1	95.0	<0.5	0.89	1.5	0.96	<0.5	0.56	0.42	334	1	36.5	3.6
E6561803 (9287775)	4.1	<1	80.0	<0.5	0.92	0.8	1.03	<0.5	0.58	0.31	348	<1	34.7	3.6
E6561804 (9287776)	5.1	1	34.4	<0.5	0.91	0.9	1.16	<0.5	0.49	0.75	380	2	33.1	3.5
E6561805 (9287777)	4.3	<1	107	<0.5	0.94	0.8	1.06	<0.5	0.57	0.27	360	1	36.3	3.6
E6561806 (9287778)	5.6	2	28.1	0.7	0.60	11.2	0.25	0.7	0.30	6.63	57	4	20.1	2.0
E6561807 (9287779)	4.3	<1	109	<0.5	0.90	0.9	1.07	<0.5	0.58	0.28	347	<1	36.2	3.7
E6561808 (9287780)	4.2	<1	132	<0.5	0.91	0.9	1.09	<0.5	0.61	0.27	348	1	36.5	3.7
E6561809 (9287781)	4.4	<1	146	<0.5	0.95	0.9	1.06	<0.5	0.62	0.37	355	2	37.8	3.9
E6561810 (9287782)	4.5	<1	159	<0.5	0.91	0.9	1.08	<0.5	0.55	0.27	356	<1	37.1	3.7
E6561811 (9287783)	4.3	<1	148	<0.5	0.90	0.8	1.12	<0.5	0.55	0.32	357	3	37.7	3.7
E6561812 (9287784)	0.2	<1	53.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.7	0.2

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6561813 (9287785)	4.1	<1	137	<0.5	0.94	0.9	1.06	<0.5	0.59	0.27	356	<1	36.4	3.8
E6561814 (9287786)	4.4	<1	147	<0.5	0.93	0.9	1.12	<0.5	0.54	0.30	381	1	36.2	3.7
E6561815 (9287787)	5.1	<1	594	<0.5	0.54	3.0	0.38	<0.5	0.19	1.14	113	<1	14.6	1.2
E6561816 (9287788)	5.5	<1	473	<0.5	0.57	3.3	0.39	<0.5	0.19	1.20	111	<1	15.6	1.3
E6561817 (9287789)	4.5	<1	161	<0.5	0.96	0.9	1.04	<0.5	0.57	0.25	343	2	37.0	3.9
E6561818 (9287790)	4.4	<1	158	<0.5	0.94	0.9	1.05	<0.5	0.54	0.26	340	2	37.4	3.7
E6561819 (9287791)	4.4	<1	155	<0.5	0.90	0.8	1.02	<0.5	0.53	0.27	335	2	34.5	3.7
E6561820 (9287792)	4.2	<1	140	<0.5	0.89	0.8	1.01	<0.5	0.55	0.22	345	2	34.4	3.6
E6561821 (9287793)	4.4	<1	149	<0.5	0.93	0.9	1.01	<0.5	0.59	0.25	347	2	36.7	3.9
E6561822 (9287794)	4.4	<1	135	<0.5	0.93	0.8	0.99	<0.5	0.57	0.26	334	3	36.0	3.7
E6561823 (9287795)	4.4	<1	112	<0.5	0.98	0.9	1.05	0.8	0.59	0.27	343	<1	37.2	4.0
E6561824 (9287796)	4.3	<1	125	<0.5	0.91	0.8	0.98	<0.5	0.58	0.26	333	2	35.5	3.8

Certified By:



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AGAT WORK ORDER: 18T345406

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 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561749 (9287721)		185	60.1
E6561750 (9287722)		475	140
E6561751 (9287723)		262	156
E6561752 (9287724)		<5	2.4
E6561753 (9287725)		238	148
E6561754 (9287726)		93	76.8
E6561755 (9287727)		100	75.1
E6561756 (9287728)		170	66.6
E6561757 (9287729)		128	85.9
E6561758 (9287730)		136	80.9
E6561759 (9287731)		196	139
E6561760 (9287732)		116	95.3
E6561761 (9287733)		98	111
E6561762 (9287734)		179	106
E6561763 (9287735)		152	105
E6561764 (9287736)		72	87.6
E6561765 (9287737)		86	107
E6561766 (9287738)		<5	161
E6561767 (9287739)		103	99.1
E6561768 (9287740)		1220	99.2
E6561769 (9287741)		229	97.2
E6561770 (9287742)		418	99.6
E6561771 (9287743)		126	94.6
E6561772 (9287744)		<5	1.5
E6561773 (9287745)		147	97.6
E6561774 (9287746)		220	79.6
E6561775 (9287747)		149	112
E6561776 (9287748)		112	106
E6561777 (9287749)		308	107
E6561778 (9287750)		358	104
E6561779 (9287751)		293	118
E6561780 (9287752)		278	81.2

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018 DATE RECEIVED: Jun 01, 2018 DATE REPORTED: Jul 17, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6561781 (9287753)		194	71.1
E6561782 (9287754)		150	80.8
E6561783 (9287755)		189	74.7
E6561784 (9287756)		710	104
E6561785 (9287757)		219	107
E6561786 (9287758)		6	170
E6561787 (9287759)		231	108
E6561788 (9287760)		191	107
E6561789 (9287761)		102	109
E6561790 (9287762)		86	112
E6561791 (9287763)		131	80.7
E6561792 (9287764)		<5	2.1
E6561793 (9287765)		96	109
E6561794 (9287766)		82	100
E6561795 (9287767)		116	95.6
E6561796 (9287768)		103	99.0
E6561797 (9287769)		96	99.3
E6561798 (9287770)		96	102
E6561799 (9287771)		102	107
E6561800 (9287772)		124	106
E6561801 (9287773)		162	121
E6561802 (9287774)		124	115
E6561803 (9287775)		126	103
E6561804 (9287776)		130	123
E6561805 (9287777)		95	117
E6561806 (9287778)		8	174
E6561807 (9287779)		113	115
E6561808 (9287780)		127	118
E6561809 (9287781)		122	116
E6561810 (9287782)		111	116
E6561811 (9287783)		111	118
E6561812 (9287784)		<5	2.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 31, 2018 DATE RECEIVED: Jun 01, 2018 DATE REPORTED: Jul 17, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561813 (9287785)		139	116
E6561814 (9287786)		161	115
E6561815 (9287787)		105	124
E6561816 (9287788)		105	131
E6561817 (9287789)		122	117
E6561818 (9287790)		123	116
E6561819 (9287791)		165	106
E6561820 (9287792)		93	104
E6561821 (9287793)		94	113
E6561822 (9287794)		108	108
E6561823 (9287795)		102	115
E6561824 (9287796)		93	110

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T345406

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 31, 2018

DATE RECEIVED: Jun 01, 2018

DATE REPORTED: Jul 17, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561749 (9287721)		83
E6561759 (9287731)		87
E6561768 (9287740)		81
E6561777 (9287749)		79
E6561788 (9287760)		85
E6561808 (9287780)		86

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9287756	< 1	< 1	0.0%	9287768	< 1	< 1	0.0%	9287771	< 1	< 1	0.0%	9287780	< 1	< 1	0.0%
Al	9287721	5.97	6.21	3.9%	9287732	7.11	7.12	0.1%	9287744	0.08	0.08	0.0%	9287746	6.65	6.52	2.0%
As	9287756	< 5	< 5	0.0%	9287768	< 5	< 5	0.0%	9287771	< 5	< 5	0.0%	9287780	13	15	14.3%
B	9287721	< 20	< 20	0.0%	9287732	17	22	25.6%	9287744	< 20	< 20	0.0%	9287746	< 20	< 20	0.0%
Ba	9287721	221	241	8.7%	9287732	224	228	1.8%	9287744	37.0	39.6	6.8%	9287746	442	456	3.1%
Be	9287756	< 5	< 5	0.0%	9287768	< 5	< 5	0.0%	9287771	< 5	< 5	0.0%	9287780	< 5	< 5	0.0%
Bi	9287756	0.3	0.3	0.0%	9287768	0.1	0.1	0.0%	9287771	0.2	0.2	0.0%	9287780	0.5	0.5	0.0%
Ca	9287721	8.97	8.80	1.9%	9287732	9.10	9.27	1.9%	9287744	30.9	30.2	2.3%	9287746	6.41	6.27	2.2%
Cd	9287756	2.3	2.3	0.0%	9287768	< 0.2	< 0.2	0.0%	9287771	< 0.2	< 0.2	0.0%	9287780	< 0.2	< 0.2	0.0%
Ce	9287756	20.1	19.5	3.0%	9287768	17.6	17.6	0.0%	9287771	20.1	19.8	1.5%	9287780	20.2	20.0	1.0%
Co	9287756	44.0	44.5	1.1%	9287768	60.4	59.9	0.8%	9287771	51.7	50.0	3.3%	9287780	46.8	46.9	0.2%
Cr	9287721	0.018	0.018	0.0%	9287732	0.017	0.017	0.0%	9287744	< 0.005	< 0.005	0.0%	9287746	0.068	0.070	2.9%
Cs	9287756	1.1	1.1	0.0%	9287768	0.89	0.84	5.8%	9287771	1.8	1.9	5.4%	9287780	1.0	1.0	0.0%
Cu	9287721	364	352	3.4%	9287732	785	818	4.1%	9287744	8	8	0.0%	9287746	27	28	3.6%
Dy	9287756	5.54	5.68	2.5%	9287768	5.61	5.25	6.6%	9287771	5.70	5.77	1.2%	9287780	6.11	5.84	4.5%
Er	9287756	3.59	3.61	0.6%	9287768	3.55	3.25	8.8%	9287771	3.89	3.69	5.3%	9287780	3.83	3.90	1.8%
Eu	9287756	1.33	1.15	14.5%	9287768	1.28	1.30	1.6%	9287771	1.25	1.29	3.1%	9287780	1.21	1.28	5.6%
Fe	9287721	13.0	12.7	2.3%	9287732	14.8	15.1	2.0%	9287744	0.107	0.100	6.8%	9287746	9.19	8.92	3.0%
Ga	9287756	18.3	18.7	2.2%	9287768	19.9	20.6	3.5%	9287771	19.9	20.1	1.0%	9287780	20.3	20.9	2.9%
Gd	9287756	5.22	4.99	4.5%	9287768	4.73	4.67	1.3%	9287771	5.06	5.25	3.7%	9287780	5.41	5.25	3.0%
Ge	9287756	2	2	0.0%	9287768	1	2		9287771	2	2	0.0%	9287780	2	2	0.0%
Hf	9287756	3	3	0.0%	9287768	3	3	0.0%	9287771	3	3	0.0%	9287780	3	3	0.0%
Ho	9287756	1.19	1.14	4.3%	9287768	1.14	1.12	1.8%	9287771	1.23	1.21	1.6%	9287780	1.27	1.24	2.4%
In	9287756	< 0.2	< 0.2	0.0%	9287768	< 0.2	< 0.2	0.0%	9287771	< 0.2	< 0.2	0.0%	9287780	< 0.2	< 0.2	0.0%
K	9287721	0.66	0.71	7.3%	9287732	0.90	0.91	1.1%	9287744	< 0.05	< 0.05	0.0%	9287746	0.878	0.870	0.9%
La	9287756	8.0	7.8	2.5%	9287768	6.9	6.9	0.0%	9287771	7.9	7.9	0.0%	9287780	8.48	8.30	2.1%
Li	9287721	19	21	10.0%	9287732	13	14	7.4%	9287744	< 10	< 10	0.0%	9287746	27	29	7.1%
Lu	9287756	0.587	0.540	8.3%	9287768	0.50	0.52	3.9%	9287771	0.577	0.548	5.2%	9287780	0.58	0.57	1.7%
Mg	9287721	5.54	5.13	7.7%	9287732	2.63	2.60	1.1%	9287744	2.22	2.31	4.0%	9287746	5.98	6.11	2.2%
Mn	9287721	2800	2620	6.6%	9287732	3260	3360	3.0%	9287744	62	65	4.7%	9287746	2290	2350	2.6%
Mo	9287756	< 2	< 2	0.0%	9287768	< 2	< 2	0.0%	9287771	3	3	0.0%	9287780	< 2	< 2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9287756	5	5	0.0%	9287768	4	5	22.2%	9287771	5	5	0.0%	9287780	5	5	0.0%
Nd	9287756	13.9	13.3	4.4%	9287768	12.2	12.2	0.0%	9287771	13.4	14.0	4.4%	9287780	14.0	13.8	1.4%
Ni	9287721	103	100	3.0%	9287732	69	68	1.5%	9287744	< 5	< 5	0.0%	9287746	184	190	3.2%
P	9287721	0.04	0.04	0.0%	9287732	0.07	0.07	0.0%	9287744	< 0.01	0.01		9287746	0.16	0.17	6.1%
Pb	9287756	261	252	3.5%	9287768	5	9		9287771	9	9	0.0%	9287780	10	11	9.5%
Pr	9287756	2.93	2.88	1.7%	9287768	2.59	2.56	1.2%	9287771	2.90	2.91	0.3%	9287780	2.94	2.99	1.7%
Rb	9287756	7.57	7.43	1.9%	9287768	20.1	20.1	0.0%	9287771	26.1	27.0	3.4%	9287780	15.8	15.8	0.0%
S	9287721	0.668	0.523	24.3%	9287732	1.23	1.26	2.4%	9287744	< 0.01	< 0.01	0.0%	9287746	< 0.01	< 0.01	0.0%
Sb	9287756	0.5	0.5	0.0%	9287768	0.4	0.4	0.0%	9287771	0.63	0.76	18.7%	9287780	0.5	0.5	0.0%
Sc	9287721	31	30	3.3%	9287732	36	37	2.7%	9287744	< 5	< 5	0.0%	9287746	32	34	6.1%
Si	9287721	21.5	21.5	0.0%	9287732	19.6	19.7	0.5%	9287744	3.35	3.39	1.2%	9287746	22.8	22.3	2.2%
Sm	9287756	4.12	3.83	7.3%	9287768	3.89	3.73	4.2%	9287771	4.06	3.97	2.2%	9287780	4.2	4.2	0.0%
Sn	9287756	< 1	< 1	0.0%	9287768	< 1	< 1	0.0%	9287771	< 1	< 1	0.0%	9287780	< 1	2	
Sr	9287721	298	267	11.0%	9287732	199	208	4.4%	9287744	46.6	47.9	2.8%	9287746	240	247	2.9%
Ta	9287756	< 0.5	< 0.5	0.0%	9287768	< 0.5	< 0.5	0.0%	9287771	< 0.5	< 0.5	0.0%	9287780	< 0.5	< 0.5	0.0%
Tb	9287756	0.87	0.90	3.4%	9287768	0.86	0.82	4.8%	9287771	0.88	0.85	3.5%	9287780	0.91	0.93	2.2%
Th	9287756	0.89	0.85	4.6%	9287768	0.7	0.7	0.0%	9287771	0.8	0.8	0.0%	9287780	0.9	0.9	0.0%
Ti	9287721	0.515	0.525	1.9%	9287732	0.87	0.87	0.0%	9287744	< 0.01	< 0.01	0.0%	9287746	0.578	0.560	3.2%
Tl	9287756	< 0.5	< 0.5	0.0%	9287768	< 0.5	< 0.5	0.0%	9287771	< 0.5	< 0.5	0.0%	9287780	< 0.5	< 0.5	0.0%
Tm	9287756	0.524	0.514	1.9%	9287768	0.525	0.530	0.9%	9287771	0.534	0.567	6.0%	9287780	0.608	0.579	4.9%
U	9287756	0.25	0.25	0.0%	9287768	0.21	0.21	0.0%	9287771	0.22	0.21	4.7%	9287780	0.272	0.288	5.7%
V	9287721	233	224	3.9%	9287732	314	326	3.8%	9287744	< 5	< 5	0.0%	9287746	215	220	2.3%
W	9287756	1	1	0.0%	9287768	< 1	< 1	0.0%	9287771	1	2		9287780	1	1	0.0%
Y	9287756	33.4	33.5	0.3%	9287768	31.8	31.4	1.3%	9287771	35.9	35.4	1.4%	9287780	36.5	37.2	1.9%
Yb	9287756	3.71	3.52	5.3%	9287768	3.36	3.32	1.2%	9287771	3.7	3.7	0.0%	9287780	3.7	3.9	5.3%
Zn	9287721	185	179	3.3%	9287732	116	122	5.0%	9287744	< 5	< 5	0.0%	9287746	220	215	2.3%
Zr	9287756	104	104	0.0%	9287768	99.0	98.9	0.1%	9287771	107	104	2.8%	9287780	118	118	0.0%
		REPLICATE #5				REPLICATE #6										
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9287792	< 1	< 1	0.0%	9287796	< 1	< 1	0.0%								
Al	9287756	7.60	7.66	0.8%	9287768	8.34	8.25	1.1%	9287771	7.50	7.44	0.8%	9287780	7.79	7.67	1.6%
As	9287792	< 5	< 5	0.0%	9287796	< 5	< 5	0.0%								
B	9287756	25	25	0.0%	9287768	< 20	< 20	0.0%	9287771	< 20	< 20	0.0%	9287780	< 20	< 20	0.0%
Ba	9287756	130	127	2.3%	9287768	328	340	3.6%	9287771	195	198	1.5%	9287780	195	196	0.5%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9287792	< 5	< 5	0.0%	9287796	< 5	< 5	0.0%								
Bi	9287792	0.2	0.2	0.0%	9287796	< 0.1	< 0.1	0.0%								
Ca	9287756	3.61	3.63	0.6%	9287768	4.78	4.73	1.1%	9287771	6.21	6.24	0.5%	9287780	4.89	4.84	1.0%
Cd	9287792	< 0.2	< 0.2	0.0%	9287796	< 0.2	< 0.2	0.0%								
Ce	9287792	20.1	20.1	0.0%	9287796	20.2	20.5	1.5%								
Co	9287792	41.7	42.7	2.4%	9287796	47.1	50.0	6.0%								
Cr	9287756	0.020	0.020	0.0%	9287768	0.0194	0.0218	11.7%	9287771	0.0189	0.0181	4.3%	9287780	0.016	0.016	0.0%
Cs	9287792	1.2	1.2	0.0%	9287796	2.74	2.81	2.5%								
Cu	9287756	137	131	4.5%	9287768	71	74	4.1%	9287771	98	103	5.0%	9287780	161	159	1.3%
Dy	9287792	5.74	5.88	2.4%	9287796	6.07	6.02	0.8%								
Er	9287792	3.55	3.75	5.5%	9287796	3.81	3.78	0.8%								
Eu	9287792	1.32	1.34	1.5%	9287796	1.29	1.45	11.7%								
Fe	9287756	10.3	10.4	1.0%	9287768	8.38	8.23	1.8%	9287771	11.6	11.8	1.7%	9287780	10.3	10.1	2.0%
Ga	9287792	19.1	19.4	1.6%	9287796	19.0	19.4	2.1%								
Gd	9287792	5.43	5.27	3.0%	9287796	5.12	5.54	7.9%								
Ge	9287792	2	2	0.0%	9287796	2	2	0.0%								
Hf	9287792	3	3	0.0%	9287796	3	3	0.0%								
Ho	9287792	1.22	1.25	2.4%	9287796	1.29	1.25	3.1%								
In	9287792	< 0.2	< 0.2	0.0%	9287796	< 0.2	< 0.2	0.0%								
K	9287756	0.224	0.226	0.9%	9287768	0.59	0.58	1.7%	9287771	0.66	0.67	1.5%	9287780	0.418	0.399	4.7%
La	9287792	8.15	8.01	1.7%	9287796	8.23	8.26	0.4%								
Li	9287756	36	35	2.8%	9287768	21	19	10.0%	9287771	18	18	0.0%	9287780	20	20	0.0%
Lu	9287792	0.514	0.561	8.7%	9287796	0.55	0.59	7.0%								
Mg	9287756	4.57	4.61	0.9%	9287768	3.43	3.51	2.3%	9287771	2.95	2.89	2.1%	9287780	3.93	3.88	1.3%
Mn	9287756	3580	3490	2.5%	9287768	1860	1920	3.2%	9287771	2640	2570	2.7%	9287780	2330	2320	0.4%
Mo	9287792	3	4	28.6%	9287796	8	8	0.0%								
Nb	9287792	5	5	0.0%	9287796	5	5	0.0%								
Nd	9287792	13.5	14.3	5.8%	9287796	14.7	14.1	4.2%								
Ni	9287756	83	80	3.7%	9287768	102	193		9287771	68	68	0.0%	9287780	60	62	3.3%
P	9287756	0.07	0.07	0.0%	9287768	0.07	0.07	0.0%	9287771	0.073	0.065	11.6%	9287780	0.08	0.08	0.0%
Pb	9287792	8	15		9287796	20	20	0.0%								
Pr	9287792	2.92	2.91	0.3%	9287796	2.93	2.94	0.3%								
Rb	9287792	35.5	36.2	2.0%	9287796	77.8	80.6	3.5%								
S	9287756	0.374	0.379	1.3%	9287768	0.095	0.098	3.1%	9287771	0.23	0.21	9.1%	9287780	0.16	0.16	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sb	9287792	0.4	0.3	28.6%	9287796	0.3	0.2										
Sc	9287756	41	40	2.5%	9287768	42	43	2.4%	9287771	41	40	2.5%	9287780	42	42	0.0%	
Si	9287756	21.1	21.3	0.9%	9287768	23.1	22.6	2.2%	9287771	21.5	21.1	1.9%	9287780	22.3	21.9	1.8%	
Sm	9287792	4.2	4.2	0.0%	9287796	4.3	4.4	2.3%									
Sn	9287792	< 1	< 1	0.0%	9287796	< 1	< 1	0.0%									
Sr	9287756	159	153	3.8%	9287768	220	226	2.7%	9287771	138	141	2.2%	9287780	132	131	0.8%	
Ta	9287792	< 0.5	< 0.5	0.0%	9287796	< 0.5	< 0.5	0.0%									
Tb	9287792	0.892	0.912	2.2%	9287796	0.91	0.90	1.1%									
Th	9287792	0.8	0.8	0.0%	9287796	0.80	0.86	7.2%									
Ti	9287756	1.00	1.01	1.0%	9287768	1.02	1.00	2.0%	9287771	0.99	0.98	1.0%	9287780	1.09	1.06	2.8%	
Tl	9287792	< 0.5	< 0.5	0.0%	9287796	< 0.5	< 0.5	0.0%									
Tm	9287792	0.55	0.55	0.0%	9287796	0.58	0.58	0.0%									
U	9287792	0.22	0.22	0.0%	9287796	0.256	0.240	6.5%									
V	9287756	342	331	3.3%	9287768	352	363	3.1%	9287771	338	330	2.4%	9287780	348	345	0.9%	
W	9287792	2	2	0.0%	9287796	2	3										
Y	9287792	34.4	35.5	3.1%	9287796	35.5	35.8	0.8%									
Yb	9287792	3.59	3.67	2.2%	9287796	3.83	3.87	1.0%									
Zn	9287756	710	698	1.7%	9287768	103	102	1.0%	9287771	102	104	1.9%	9287780	127	125	1.6%	
Zr	9287792	104	107	2.8%	9287796	110	112	1.8%									
		REPLICATE #7				REPLICATE #8											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Al	9287792	7.56	7.63	0.9%	9287796	7.22	7.22	0.0%									
B	9287792	71	71	0.0%	9287796	22	25	12.8%									
Ba	9287792	138	140	1.4%	9287796	319	306	4.2%									
Ca	9287792	7.33	7.29	0.5%	9287796	6.55	6.83	4.2%									
Cr	9287792	0.018	0.018	0.0%	9287796	0.020	0.020	0.0%									
Cu	9287792	68	70	2.9%	9287796	47	53	12.0%									
Fe	9287792	9.62	9.67	0.5%	9287796	9.50	9.85	3.6%									
K	9287792	0.809	0.803	0.7%	9287796	1.60	1.60	0.0%									
Li	9287792	11	13	16.7%	9287796	18	17	5.7%									
Mg	9287792	3.55	3.63	2.2%	9287796	3.01	3.03	0.7%									
Mn	9287792	2160	2150	0.5%	9287796	2100	2120	0.9%									
Ni	9287792	57	59	3.4%	9287796	62	62	0.0%									
P	9287792	0.07	0.07	0.0%	9287796	0.07	0.07	0.0%									



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

S	9287792	0.07	0.07	0.0%	9287796	0.10	0.10	0.0%								
Sc	9287792	41	41	0.0%	9287796	40	39	2.5%								
Si	9287792	22.0	22.0	0.0%	9287796	21.6	21.5	0.5%								
Sr	9287792	140	138	1.4%	9287796	125	122	2.4%								
Ti	9287792	1.01	1.01	0.0%	9287796	0.98	0.98	0.0%								
V	9287792	345	340	1.5%	9287796	333	324	2.7%								
Zn	9287792	93	96	3.2%	9287796	93	98	5.2%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	6.97	109%	90% - 110%								
Al	10.95	12.05	110%	90% - 110%	4.30	4.13	96%	90% - 110%					10.95	11.5	105%	90% - 110%
Ba	340	328	97%	90% - 110%									340	314	92%	90% - 110%
Be	2.6	2.7	104%	90% - 110%									2.6	2.9	110%	90% - 110%
Ca	5.72	6.03	105%	90% - 110%	2.21	2.03	92%	90% - 110%					5.72	5.59	98%	90% - 110%
Ce	122	123	101%	90% - 110%									122	126	103%	90% - 110%
Co	2.8	2.7	95%	90% - 110%	672	694	103%	90% - 110%					2.8	2.8	99%	90% - 110%
Cr					0.032	0.031	97%	90% - 110%								
Cs	1.5	1.5	101%	90% - 110%									1.5	1.56	104%	90% - 110%
Cu	7	7	100%	90% - 110%	11850	10843	91%	90% - 110%					7	6	85%	90% - 110%
Dy	18.2	18.7	103%	90% - 110%									18.2	18.7	103%	90% - 110%
Er	14.2	14.3	101%	90% - 110%									14.2	14.8	104%	90% - 110%
Eu	2.0	1.98	99%	90% - 110%									2.0	1.96	98%	90% - 110%
Fe	4.34	4.75	109%	90% - 110%	25.54	23.83	93%	90% - 110%					4.34	4.5	104%	90% - 110%
Ga	35	33.8	97%	90% - 110%					35	36	102%	90% - 110%	35	38	109%	90% - 110%
Gd	14	14.8	105%	90% - 110%									14	14.9	106%	90% - 110%
Hf	10.6	10.8	102%	90% - 110%									10.6	11.6	109%	90% - 110%
Ho	4.3	4.2	98%	90% - 110%									4.3	4.4	102%	90% - 110%
K	1.37	1.43	105%	90% - 110%									1.37	1.43	104%	90% - 110%
La	58	59	101%	90% - 110%									58	59	102%	90% - 110%
Li	37	35.6	96%	90% - 110%									37	38.0	103%	90% - 110%
Lu	2.1	2.1	100%	90% - 110%									2.1	2.1	102%	90% - 110%
Mg	0.325	0.33	101%	90% - 110%	1.79	1.61	90%	90% - 110%					0.325	0.304	93%	90% - 110%
Mn	836	839	100%	90% - 110%	703	656	93%	90% - 110%					836	821	98%	90% - 110%
Nb	13	13	101%	90% - 110%									13	13.6	104%	90% - 110%
Nd	57	59	103%	90% - 110%									57	60	104%	90% - 110%
Ni	9	9	96%	90% - 110%	19530	17752	90%	90% - 110%					9	11	118%	90% - 110%
Pb	10	10	98%	90% - 110%	58	63	109%	90% - 110%					10	11	107%	90% - 110%
Pr	15.0	15	100%	90% - 110%									15.0	15.7	104%	90% - 110%
Rb	55	52.3	95%	90% - 110%									55	55.3	101%	90% - 110%
S					14.14	13.26	93%	90% - 110%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Si	23.3	23.8	102%	90% - 110%	15.23	13.88	91%	90% - 110%					23.3	22.4	96%	90% - 110%	
Sm	12.7	12.8	101%	90% - 110%									12.7	13.2	104%	90% - 110%	
Sn	7.1	7.4	105%	90% - 110%									7.1	7.6	107%	90% - 110%	
Sr	1191	1110	93%	90% - 110%					1191	1090	92%	90% - 110%	1191	1142	96%	90% - 110%	
Ta	0.9	0.9	98%	90% - 110%									0.9	0.8	92%	90% - 110%	
Tb	2.6	2.7	104%	90% - 110%									2.6	2.7	105%	90% - 110%	
Th	1.4	1.3	90%	90% - 110%									1.4	1.2	84%	90% - 110%	
Ti	0.172	0.175	102%	90% - 110%									0.172	0.18	104%	90% - 110%	
Tm	2.3	2.4	104%	90% - 110%									2.3	2.4	103%	90% - 110%	
U	0.8	0.9	106%	90% - 110%									0.8	0.8	98%	90% - 110%	
V	8	6	79%	90% - 110%													
Y	119	117	99%	90% - 110%									119	126	106%	90% - 110%	
Yb	14.8	14.7	99%	90% - 110%									14.8	15.5	105%	90% - 110%	
Zn	93	96	104%	90% - 110%	235	227	97%	90% - 110%					93	92	99%	90% - 110%	
Zr	517	516	100%	90% - 110%									517	518	100%	90% - 110%	
	CRM #5 (ref.SU-1b)				CRM #6 (ref.SY-4)												
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits									
Al	4.30	4.38	102%	90% - 110%	10.95	11.47	105%	90% - 110%									
Ba					340	323	95%	90% - 110%									
Ca	2.21	2.07	94%	90% - 110%	5.72	5.32	93%	90% - 110%									
Cr	0.032	0.032	100%	90% - 110%													
Cu	11850	10965	93%	90% - 110%	7	7	106%	90% - 110%									
Fe	25.54	24.59	96%	90% - 110%	4.34	4.38	101%	90% - 110%									
K					1.37	1.38	101%	90% - 110%									
Li					37	37.4	101%	90% - 110%									
Mg	1.79	1.69	94%	90% - 110%	0.325	0.314	97%	90% - 110%									
Mn	703	694	99%	90% - 110%	836	833	100%	90% - 110%									
Ni	19530	18282	93%	90% - 110%													
S	14.14	13.48	95%	90% - 110%													
Si	15.23	14.14	93%	90% - 110%	23.3	21.9	94%	90% - 110%									
Sr					1191	1269	107%	90% - 110%									
Ti					0.172	0.175	102%	90% - 110%									
V					8	6	80%	90% - 110%									
Zn	235	251	107%	90% - 110%	93	95	102%	90% - 110%									



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T345406

PROJECT:

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18T345406

PROJECT:

ATTENTION TO: FRANK SANTAGUIDA, JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-134A

AGAT WORK ORDER: 18T351999

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Aug 10, 2018

PAGES (INCLUDING COVER): 31

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561825 (9339559)		3.19
E6561826 (9339560)		0.01
E6561827 (9339561)		2.60
E6561828 (9339562)		2.76
E6561829 (9339563)		2.75
E6561830 (9339564)		2.63
E6561831 (9339565)		2.74
E6561832 (9339566)		1.21
E6561833 (9339567)		2.84
E6561834 (9339568)		2.73
E6561835 (9339569)		2.88
E6561836 (9339570)		2.58
E6561837 (9339571)		1.60
E6561838 (9339572)		0.75
E6561839 (9339573)		2.64
E6561840 (9339574)		0.74
E6561841 (9339575)		2.59
E6561842 (9339576)		2.21
E6561843 (9339577)		0.73
E6561844 (9339578)		1.03
E6561845 (9339579)		1.28
E6561846 (9339580)		0.01
E6561847 (9339581)		2.66
E6561848 (9339582)		2.86
E6561849 (9339583)		2.75
E6561850 (9339584)		2.60
E6561851 (9339585)		2.95
E6561852 (9339586)		1.58
E6561853 (9339587)		2.60
E6561854 (9339588)		2.70
E6561855 (9339589)		2.84

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561856 (9339590)		2.35
E6561857 (9339591)		2.64
E6561858 (9339592)		2.64
E6561859 (9339593)		2.67
E6561860 (9339594)		2.31
E6561861 (9339595)		2.61
E6561862 (9339596)		2.62
E6561863 (9339597)		2.69
E6561864 (9339598)		2.58
E6561865 (9339599)		0.83
E6561866 (9339600)		0.01
E6561867 (9339601)		0.92
E6561868 (9339602)		0.92
E6561869 (9339603)		2.65
E6561870 (9339604)		2.17
E6561871 (9339605)		3.03
E6561872 (9339606)		1.56
E6561873 (9339607)		2.68
E6561874 (9339608)		2.59
E6561875 (9339609)		2.75
E6561876 (9339610)		2.42
E6561877 (9339611)		2.90
E6561878 (9339612)		2.90
E6561879 (9339613)		2.37
E6561880 (9339614)		2.91
E6561881 (9339615)		2.76
E6561882 (9339616)		2.78
E6561883 (9339617)		2.51
E6561884 (9339618)		2.69
E6561885 (9339619)		2.65
E6561886 (9339620)		0.01

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561887 (9339621)		3.12
E6561888 (9339622)		2.58
E6561889 (9339623)		2.99
E6561890 (9339624)		2.78
E6561891 (9339625)		2.35
E6561892 (9339626)		1.23
E6561893 (9339627)		2.46
E6561894 (9339628)		2.67
E6561895 (9339629)		2.41
E6561896 (9339630)		0.39
E6561897 (9339631)		2.15
E6561898 (9339632)		2.15
E6561899 (9339633)		3.56
E6561900 (9339634)		1.83
E6561901 (9339635)		1.70
E6561902 (9339636)		0.86
E6561903 (9339637)		2.60
E6561904 (9339638)		2.43
E6561905 (9339639)		2.53
E6561906 (9339640)		0.01
E6561907 (9339641)		0.89
E6561908 (9339642)		1.01
E6561909 (9339643)		3.37
E6561910 (9339644)		1.52
E6561911 (9339645)		1.10
E6561912 (9339646)		1.62
E6561913 (9339647)		2.76
E6561914 (9339648)		1.54
E6561915 (9339649)		0.96
E6561916 (9339650)		1.01
E6561917 (9339651)		2.04

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Aug 10, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID)	RDL: 0.01
E6561918 (9339652)	2.04

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561825 (9339559)	<1	7.64	19	<20	317	<5	<0.1	5.56	0.4	14.3	50.4	0.020	0.6	70	
E6561826 (9339560)	<1	4.42	570	91	166	<5	8.7	4.06	<0.2	76.1	1050	0.005	2.6	2790	
E6561827 (9339561)	<1	7.25	24	<20	230	<5	0.1	4.65	<0.2	11.9	51.4	0.020	0.6	60	
E6561828 (9339562)	<1	7.83	15	<20	316	<5	<0.1	6.01	<0.2	12.9	53.5	0.020	0.8	56	
E6561829 (9339563)	<1	7.10	<5	<20	164	<5	<0.1	7.33	<0.2	12.6	53.9	0.019	0.5	74	
E6561830 (9339564)	<1	7.33	<5	<20	135	<5	<0.1	7.79	<0.2	12.9	58.1	0.019	0.6	143	
E6561831 (9339565)	<1	7.13	<5	<20	137	<5	0.1	6.91	<0.2	13.7	57.5	0.019	0.6	105	
E6561832 (9339566)	1	0.10	<5	<20	12.7	<5	<0.1	32.1	<0.2	1.2	1.6	<0.005	<0.1	6	
E6561833 (9339567)	<1	7.49	<5	<20	128	<5	<0.1	7.12	<0.2	12.8	51.4	0.021	0.5	47	
E6561834 (9339568)	<1	7.25	<5	<20	215	<5	<0.1	7.70	<0.2	12.7	52.4	0.019	1.0	32	
E6561835 (9339569)	<1	7.07	<5	20	180	<5	0.2	7.63	0.6	11.9	59.9	0.018	1.5	131	
E6561836 (9339570)	<1	7.42	<5	<20	273	<5	<0.1	6.43	<0.2	12.4	53.4	0.019	1.1	55	
E6561837 (9339571)	<1	8.15	<5	<20	258	<5	<0.1	6.33	<0.2	13.7	54.6	0.020	1.2	51	
E6561838 (9339572)	<1	8.27	<5	<20	257	<5	<0.1	6.41	<0.2	15.0	55.0	0.021	1.3	51	
E6561839 (9339573)	3	7.39	6	<20	182	<5	0.2	5.91	<0.2	15.4	51.8	0.019	1.0	131	
E6561840 (9339574)	<1	7.83	23	<20	13.0	<5	0.3	2.02	<0.2	11.2	89.0	0.018	0.9	273	
E6561841 (9339575)	<1	7.90	<5	<20	134	<5	<0.1	4.35	<0.2	13.9	40.5	0.020	1.1	139	
E6561842 (9339576)	<1	7.92	<5	<20	149	<5	0.2	4.29	<0.2	16.5	41.3	0.020	0.9	111	
E6561843 (9339577)	<1	8.45	<5	35	277	<5	<0.1	3.33	<0.2	19.1	30.6	0.021	2.0	28	
E6561844 (9339578)	<1	7.57	<5	<20	19.2	<5	0.2	1.65	<0.2	7.4	24.4	0.018	0.7	800	
E6561845 (9339579)	<1	7.78	7	22	256	<5	<0.1	5.25	<0.2	14.0	43.5	0.019	1.0	29	
E6561846 (9339580)	<1	4.56	557	93	167	<5	8.5	4.19	<0.2	79.8	1040	0.005	2.6	2980	
E6561847 (9339581)	<1	7.89	<5	317	285	<5	<0.1	6.59	<0.2	12.8	48.1	0.020	0.8	37	
E6561848 (9339582)	<1	8.11	<5	80	307	<5	<0.1	8.24	0.2	13.3	51.2	0.021	0.6	36	
E6561849 (9339583)	<1	7.70	<5	60	255	<5	0.3	6.08	<0.2	9.5	53.3	0.023	0.8	106	
E6561850 (9339584)	<1	7.72	<5	29	283	<5	0.1	6.05	1.2	5.9	52.8	0.026	1.0	78	
E6561851 (9339585)	<1	8.11	<5	39	383	<5	0.1	5.90	<0.2	6.4	55.4	0.026	1.2	96	
E6561852 (9339586)	<1	0.10	<5	<20	13.6	<5	<0.1	31.8	<0.2	1.1	1.4	<0.005	<0.1	7	
E6561853 (9339587)	<1	7.51	<5	58	400	<5	0.1	6.44	<0.2	5.8	50.9	0.025	1.2	80	
E6561854 (9339588)	<1	7.61	<5	28	312	<5	0.1	5.76	<0.2	6.5	52.4	0.025	1.5	89	
E6561855 (9339589)	<1	7.13	<5	21	158	<5	<0.1	4.95	0.4	7.0	46.4	0.023	1.2	80	
E6561856 (9339590)	<1	7.17	9	<20	77.6	<5	0.3	4.33	<0.2	12.2	56.4	0.019	0.9	129	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561857 (9339591)	<1	7.70	9	<20	143	<5	0.3	5.07	0.3	13.1	57.6	0.020	0.9	125	
E6561858 (9339592)	<1	7.85	10	<20	137	<5	0.3	5.07	0.4	13.1	58.9	0.019	1.0	129	
E6561859 (9339593)	<1	7.76	18	<20	55.9	<5	<0.1	3.19	1.8	13.3	59.3	0.021	0.9	135	
E6561860 (9339594)	<1	7.62	22	<20	62.2	<5	0.3	4.41	1.8	12.5	63.8	0.019	0.9	139	
E6561861 (9339595)	<1	7.78	9	<20	63.0	<5	0.2	4.83	<0.2	11.4	52.0	0.019	1.0	91	
E6561862 (9339596)	<1	7.84	7	<20	70.0	<5	0.2	4.95	0.3	11.8	49.3	0.021	1.0	95	
E6561863 (9339597)	<1	7.51	6	<20	87.6	<5	0.2	5.19	0.6	12.0	47.4	0.019	0.9	99	
E6561864 (9339598)	<1	7.51	8	<20	98.2	<5	0.2	5.98	0.3	13.5	47.7	0.019	0.8	118	
E6561865 (9339599)	<1	6.54	11	<20	95.1	<5	0.2	4.85	<0.2	14.8	34.7	0.019	0.4	24	
E6561866 (9339600)	<1	4.55	545	92	179	<5	8.4	4.12	<0.2	77.8	1020	0.005	2.6	2920	
E6561867 (9339601)	<1	7.23	6	<20	120	<5	0.5	4.95	2.5	12.6	33.4	0.017	0.9	155	
E6561868 (9339602)	<1	7.80	10	<20	244	<5	0.2	6.13	<0.2	15.3	49.0	0.020	1.3	64	
E6561869 (9339603)	<1	7.23	<5	<20	347	<5	<0.1	4.23	<0.2	41.7	21.2	0.020	0.9	10	
E6561870 (9339604)	<1	7.13	<5	<20	308	<5	<0.1	3.79	0.7	47.6	20.3	0.022	1.0	19	
E6561871 (9339605)	<1	7.50	<5	<20	95.4	<5	<0.1	5.96	<0.2	13.4	51.1	0.020	1.8	108	
E6561872 (9339606)	<1	0.17	<5	<20	16.3	<5	<0.1	32.6	<0.2	1.3	1.8	<0.005	<0.1	7	
E6561873 (9339607)	<1	7.93	8	26	256	<5	0.2	6.37	0.2	12.9	50.5	0.021	1.7	86	
E6561874 (9339608)	<1	7.94	<5	<20	148	<5	0.1	7.69	<0.2	12.4	48.0	0.021	1.4	49	
E6561875 (9339609)	<1	7.68	<5	<20	108	<5	<0.1	7.49	<0.2	12.7	52.3	0.020	1.2	58	
E6561876 (9339610)	2	8.13	<5	20	126	<5	<0.1	7.58	<0.2	13.2	53.1	0.021	1.1	57	
E6561877 (9339611)	<1	7.85	<5	26	134	<5	<0.1	7.31	0.3	12.7	45.6	0.019	0.9	68	
E6561878 (9339612)	2	7.67	<5	25	134	<5	0.1	7.05	0.5	12.5	43.4	0.019	0.9	82	
E6561879 (9339613)	<1	7.76	<5	<20	129	<5	<0.1	6.89	0.5	12.5	47.5	0.019	0.7	60	
E6561880 (9339614)	<1	7.28	<5	<20	113	<5	0.1	6.04	<0.2	11.5	53.6	0.018	1.1	102	
E6561881 (9339615)	<1	7.47	<5	<20	108	<5	<0.1	6.80	<0.2	12.5	51.7	0.019	1.0	66	
E6561882 (9339616)	<1	7.55	<5	<20	109	<5	<0.1	6.98	<0.2	12.2	49.6	0.018	1.1	66	
E6561883 (9339617)	<1	7.83	<5	<20	89.9	<5	<0.1	7.51	<0.2	13.7	51.6	0.020	1.3	81	
E6561884 (9339618)	<1	7.97	<5	<20	136	<5	<0.1	6.85	<0.2	12.3	49.9	0.020	1.9	89	
E6561885 (9339619)	2	7.64	<5	21	109	<5	<0.1	7.55	<0.2	12.8	49.2	0.019	0.7	63	
E6561886 (9339620)	1	4.67	597	88	173	<5	9.5	4.07	<0.2	72.1	1070	<0.005	2.7	2850	
E6561887 (9339621)	<1	8.00	<5	25	159	<5	0.1	7.26	<0.2	12.4	47.2	0.018	0.7	53	
E6561888 (9339622)	<1	6.67	<5	33	198	<5	0.2	7.51	0.4	11.2	45.8	0.015	0.5	71	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561889 (9339623)	<1	7.37	<5	66	220	<5	0.1	7.47	<0.2	12.5	47.7	0.018	0.6	50	
E6561890 (9339624)	<1	8.27	<5	<20	142	<5	<0.1	7.04	<0.2	13.1	49.6	0.021	1.2	31	
E6561891 (9339625)	<1	7.24	<5	<20	187	<5	0.3	7.24	<0.2	11.9	58.3	0.019	1.3	90	
E6561892 (9339626)	<1	0.19	<5	<20	16.6	<5	<0.1	31.5	<0.2	1.2	1.9	<0.005	<0.1	8	
E6561893 (9339627)	<1	8.07	<5	<20	157	<5	0.1	5.82	<0.2	11.8	41.8	0.021	1.2	82	
E6561894 (9339628)	<1	7.83	11	<20	223	<5	0.4	6.54	<0.2	13.0	55.4	0.019	0.9	85	
E6561895 (9339629)	<1	7.71	15	<20	109	<5	0.4	4.53	<0.2	13.3	56.9	0.019	1.2	397	
E6561896 (9339630)	<1	7.83	87	<20	7.8	<5	2.7	0.56	<0.2	25.9	141	0.013	0.5	580	
E6561897 (9339631)	<1	8.16	25	<20	130	<5	1.1	4.00	<0.2	14.9	57.1	0.019	1.2	172	
E6561898 (9339632)	<1	8.09	25	<20	142	<5	1.1	3.85	<0.2	15.8	57.5	0.019	1.3	156	
E6561899 (9339633)	<1	7.86	16	<20	288	<5	0.5	5.19	<0.2	16.8	45.3	0.013	0.9	129	
E6561900 (9339634)	<1	7.14	<5	<20	86.1	<5	0.1	4.46	<0.2	45.9	24.7	0.041	0.3	57	
E6561901 (9339635)	<1	7.35	<5	<20	83.4	<5	<0.1	4.26	<0.2	38.2	23.6	0.038	0.4	106	
E6561902 (9339636)	<1	7.54	101	<20	72.1	<5	1.5	3.95	<0.2	14.0	60.6	0.018	0.8	192	
E6561903 (9339637)	<1	7.80	31	<20	180	<5	0.5	5.85	<0.2	12.0	47.4	0.019	1.1	57	
E6561904 (9339638)	4	7.93	27	21	172	<5	0.5	6.15	<0.2	11.8	42.7	0.019	1.2	74	
E6561905 (9339639)	<1	7.31	30	<20	163	<5	0.8	6.60	<0.2	12.2	55.8	0.018	1.9	106	
E6561906 (9339640)	1	4.62	602	92	178	<5	9.3	4.04	<0.2	71.9	1050	0.005	2.8	2850	
E6561907 (9339641)	<1	7.51	10	<20	108	<5	1.0	3.39	<0.2	16.6	41.2	0.019	0.8	48	
E6561908 (9339642)	5	6.53	233	<20	13.2	<5	7.5	0.91	<0.2	22.7	286	0.016	1.3	578	
E6561909 (9339643)	<1	7.43	18	<20	134	<5	0.6	6.07	<0.2	15.0	50.3	0.018	0.9	159	
E6561910 (9339644)	3	7.25	13	21	127	<5	0.4	5.61	<0.2	12.3	44.3	0.017	1.2	95	
E6561911 (9339645)	<1	8.30	<5	<20	534	<5	0.2	3.77	<0.2	23.5	28.2	<0.005	0.8	52	
E6561912 (9339646)	<1	0.17	<5	<20	21.0	<5	<0.1	31.5	<0.2	1.5	1.5	<0.005	<0.1	6	
E6561913 (9339647)	<1	7.52	9	<20	614	<5	0.2	4.27	<0.2	48.3	26.4	0.009	0.6	84	
E6561914 (9339648)	2	7.21	<5	<20	343	<5	0.2	4.23	<0.2	95.5	23.2	0.013	0.5	90	
E6561915 (9339649)	1	7.25	10	<20	192	<5	0.4	5.20	<0.2	13.0	47.4	0.016	2.1	31	
E6561916 (9339650)	2	8.26	14	<20	317	<5	1.7	3.68	<0.2	20.9	35.1	0.007	0.7	173	
E6561917 (9339651)	2	7.82	8	<20	215	<5	0.3	6.00	<0.2	11.6	50.9	0.018	5.3	83	
E6561918 (9339652)	1	7.74	9	<20	216	<5	0.3	5.98	<0.2	11.2	51.3	0.018	5.3	84	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6561825 (9339559)	4.71	2.76	0.94	7.26	18.6	3.98	2	2	0.96	<0.2	0.70	5.5	21	0.41	
E6561826 (9339560)	3.45	1.93	0.90	3.05	12.1	4.31	2	5	0.68	0.2	2.94	37.5	<10	0.31	
E6561827 (9339561)	4.30	2.79	0.88	7.82	18.0	3.70	2	2	0.93	<0.2	0.50	4.5	23	0.42	
E6561828 (9339562)	4.71	2.91	0.98	7.57	19.8	3.98	2	2	0.92	<0.2	0.63	4.8	15	0.43	
E6561829 (9339563)	4.46	2.82	0.88	7.70	18.3	3.77	2	2	0.88	<0.2	0.44	4.9	<10	0.42	
E6561830 (9339564)	4.69	2.82	0.91	9.23	19.2	3.81	2	2	0.94	<0.2	0.42	5.1	15	0.42	
E6561831 (9339565)	4.64	3.05	0.95	8.22	19.5	4.07	2	2	0.99	<0.2	0.51	5.2	13	0.44	
E6561832 (9339566)	0.26	0.13	0.11	0.19	0.27	0.25	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05	
E6561833 (9339567)	4.42	2.67	0.89	7.29	19.6	3.94	2	2	0.94	<0.2	0.43	5.1	<10	0.40	
E6561834 (9339568)	4.25	2.69	0.90	8.15	18.9	3.73	2	2	0.86	<0.2	0.55	5.2	13	0.39	
E6561835 (9339569)	4.36	2.76	0.90	8.71	18.9	3.64	2	2	0.89	<0.2	0.58	4.8	18	0.40	
E6561836 (9339570)	4.53	2.80	0.96	7.71	18.7	4.00	2	2	0.91	<0.2	0.72	4.8	13	0.42	
E6561837 (9339571)	4.73	2.92	0.87	8.25	19.7	4.07	1	2	0.94	<0.2	0.63	5.4	18	0.44	
E6561838 (9339572)	4.79	3.05	0.88	8.22	19.6	4.11	2	2	0.97	<0.2	0.69	5.9	18	0.45	
E6561839 (9339573)	4.72	2.77	1.08	8.87	18.7	4.03	2	2	0.97	<0.2	0.65	6.5	35	0.42	
E6561840 (9339574)	4.27	2.60	0.83	8.07	20.3	3.39	<1	2	0.86	<0.2	0.12	4.9	39	0.36	
E6561841 (9339575)	4.77	3.02	0.99	8.36	19.1	4.35	1	2	1.01	<0.2	0.49	5.6	26	0.44	
E6561842 (9339576)	4.60	2.88	1.12	8.13	19.2	4.23	1	2	0.97	<0.2	0.50	7.1	28	0.42	
E6561843 (9339577)	4.93	3.00	1.55	7.47	19.2	4.31	1	2	0.99	<0.2	0.90	7.8	43	0.42	
E6561844 (9339578)	4.03	2.45	0.74	7.87	18.2	3.34	1	2	0.83	<0.2	0.11	2.7	51	0.35	
E6561845 (9339579)	4.46	2.76	1.19	7.52	18.8	3.83	1	2	0.90	<0.2	0.87	5.5	20	0.39	
E6561846 (9339580)	3.47	2.00	1.02	3.37	12.4	4.91	1	5	0.66	0.2	2.99	39.0	<10	0.30	
E6561847 (9339581)	4.39	2.70	0.94	8.55	18.6	3.76	2	2	0.89	<0.2	1.15	5.0	51	0.42	
E6561848 (9339582)	4.51	2.74	0.96	9.01	19.3	3.88	2	2	0.93	<0.2	1.01	5.2	12	0.41	
E6561849 (9339583)	3.77	2.40	0.81	8.78	16.9	3.16	2	2	0.78	<0.2	0.87	3.5	18	0.35	
E6561850 (9339584)	2.93	1.97	0.57	9.16	15.9	2.37	2	1	0.62	<0.2	0.86	2.2	25	0.28	
E6561851 (9339585)	2.97	1.82	0.65	8.94	16.1	2.50	2	1	0.62	<0.2	1.12	2.4	29	0.26	
E6561852 (9339586)	0.26	0.15	<0.05	0.17	0.30	0.25	1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05	
E6561853 (9339587)	2.77	1.77	0.58	8.22	15.4	2.28	2	1	0.59	<0.2	1.18	2.2	24	0.27	
E6561854 (9339588)	3.00	2.00	0.59	8.60	15.6	2.50	2	1	0.63	<0.2	1.23	2.4	25	0.31	
E6561855 (9339589)	3.22	2.04	0.59	8.65	15.5	2.71	1	1	0.66	<0.2	0.67	2.5	26	0.31	
E6561856 (9339590)	4.33	2.77	0.99	10.5	17.7	3.80	2	2	0.89	<0.2	0.45	4.7	31	0.39	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018						DATE REPORTED: Aug 10, 2018						SAMPLE TYPE: Drill Core		
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6561857 (9339591)	4.17	2.59	0.85	10.4	17.4	3.50	2	2	0.86	<0.2	0.73	5.3	25	0.40	
E6561858 (9339592)	4.19	2.67	0.89	10.5	18.0	3.79	2	2	0.88	<0.2	0.73	5.2	29	0.41	
E6561859 (9339593)	4.98	3.13	0.87	11.7	19.4	3.99	2	2	0.99	<0.2	0.46	5.1	39	0.45	
E6561860 (9339594)	4.65	2.87	0.87	10.7	19.2	3.96	2	2	0.97	<0.2	0.28	4.9	29	0.43	
E6561861 (9339595)	4.42	2.82	0.90	10.3	17.3	3.95	2	2	0.95	<0.2	0.27	4.4	21	0.41	
E6561862 (9339596)	4.38	2.85	0.81	10.8	17.1	3.76	1	2	0.90	<0.2	0.28	4.5	21	0.41	
E6561863 (9339597)	4.60	2.85	0.91	9.99	18.5	3.76	2	2	0.95	<0.2	0.36	4.8	21	0.43	
E6561864 (9339598)	4.74	2.88	0.92	9.96	19.3	3.95	2	2	0.97	<0.2	0.39	5.4	18	0.43	
E6561865 (9339599)	4.74	2.90	0.92	10.5	16.1	4.29	2	2	0.98	<0.2	0.38	5.9	23	0.46	
E6561866 (9339600)	3.59	2.04	0.97	3.35	12.1	4.70	2	5	0.71	0.3	3.22	38.2	<10	0.29	
E6561867 (9339601)	3.87	2.49	0.76	9.77	15.9	3.34	1	2	0.82	<0.2	0.94	5.4	30	0.39	
E6561868 (9339602)	4.62	2.75	1.09	9.91	18.9	3.90	2	2	0.95	<0.2	0.84	6.3	21	0.45	
E6561869 (9339603)	2.56	1.26	1.06	4.37	19.3	3.84	1	3	0.45	<0.2	0.93	19.5	10	0.18	
E6561870 (9339604)	2.49	1.30	1.13	4.33	17.8	4.03	1	3	0.45	<0.2	0.73	21.6	<10	0.19	
E6561871 (9339605)	4.44	2.86	0.89	10.1	18.2	3.82	2	2	0.94	<0.2	0.48	5.2	17	0.41	
E6561872 (9339606)	0.28	0.20	<0.05	0.27	0.43	0.33	1	<1	0.06	<0.2	<0.05	1.4	<10	<0.05	
E6561873 (9339607)	4.58	2.90	0.94	10.1	18.8	3.98	2	2	0.98	<0.2	1.01	5.0	26	0.43	
E6561874 (9339608)	4.36	2.68	0.86	8.99	17.6	3.66	2	2	0.90	<0.2	0.59	4.9	14	0.39	
E6561875 (9339609)	4.58	2.82	1.03	9.29	18.5	3.75	2	2	0.92	<0.2	0.66	4.9	12	0.42	
E6561876 (9339610)	4.67	2.98	0.92	8.77	18.5	3.91	2	2	0.95	<0.2	0.73	5.0	11	0.43	
E6561877 (9339611)	4.40	2.74	0.91	8.35	17.9	3.76	2	2	0.92	<0.2	0.86	4.9	15	0.43	
E6561878 (9339612)	4.32	2.68	0.82	8.27	18.0	3.80	2	2	0.86	<0.2	0.86	4.9	15	0.41	
E6561879 (9339613)	4.20	2.62	0.87	8.33	18.8	3.70	2	2	0.87	<0.2	0.91	4.9	18	0.39	
E6561880 (9339614)	4.36	2.64	0.84	9.44	18.2	3.63	2	2	0.87	<0.2	0.59	4.4	19	0.39	
E6561881 (9339615)	4.44	2.71	1.19	8.53	18.3	3.77	2	2	0.88	<0.2	0.67	5.0	14	0.41	
E6561882 (9339616)	4.36	2.63	0.88	9.04	17.6	3.76	2	2	0.88	<0.2	0.84	4.7	13	0.42	
E6561883 (9339617)	4.74	2.92	0.97	8.99	18.8	4.08	2	2	0.96	<0.2	0.62	5.4	14	0.44	
E6561884 (9339618)	4.25	2.71	0.85	9.53	19.1	3.75	2	2	0.90	<0.2	0.86	4.7	19	0.40	
E6561885 (9339619)	4.09	2.78	1.00	8.87	19.4	3.48	2	2	0.93	<0.2	0.86	5.1	12	0.42	
E6561886 (9339620)	3.15	2.00	0.98	3.29	12.8	4.06	2	5	0.65	0.2	3.19	35.9	<10	0.29	
E6561887 (9339621)	4.11	2.59	0.96	8.69	19.2	3.24	2	2	0.91	<0.2	1.19	4.8	14	0.37	
E6561888 (9339622)	3.79	2.43	0.83	8.87	16.7	3.16	2	2	0.80	<0.2	1.28	4.3	14	0.33	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6561889 (9339623)	4.04	2.67	0.98	8.65	18.5	3.31	2	2	0.89	<0.2	1.06	4.9	12	0.38	
E6561890 (9339624)	4.17	2.93	1.04	7.98	19.4	3.61	2	2	0.94	<0.2	0.74	5.0	12	0.41	
E6561891 (9339625)	4.01	2.61	0.94	9.53	18.8	3.49	2	2	0.89	<0.2	0.81	4.7	16	0.40	
E6561892 (9339626)	0.24	0.16	<0.05	0.27	0.48	0.29	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	
E6561893 (9339627)	4.29	2.83	0.97	8.45	18.4	3.41	1	2	0.94	<0.2	0.58	4.6	15	0.44	
E6561894 (9339628)	4.32	2.90	1.07	9.14	19.4	3.46	2	2	0.94	<0.2	0.83	5.0	16	0.44	
E6561895 (9339629)	4.34	2.86	1.24	9.04	19.1	3.58	2	2	0.93	<0.2	0.69	5.3	36	0.42	
E6561896 (9339630)	3.08	1.64	0.56	8.67	20.6	4.37	2	1	0.58	<0.2	0.12	9.6	69	0.21	
E6561897 (9339631)	4.15	2.60	1.24	9.57	20.2	3.58	2	2	0.88	<0.2	0.74	6.1	44	0.41	
E6561898 (9339632)	4.63	2.89	1.42	9.50	21.5	4.05	2	2	1.04	<0.2	0.76	6.4	46	0.45	
E6561899 (9339633)	3.39	2.24	0.99	8.05	18.6	3.12	2	2	0.75	<0.2	1.09	7.4	14	0.34	
E6561900 (9339634)	2.59	1.42	1.26	5.79	16.6	4.09	2	3	0.50	<0.2	0.38	20.3	<10	0.20	
E6561901 (9339635)	2.78	1.47	1.23	6.15	16.3	3.76	1	3	0.52	<0.2	0.57	16.9	11	0.20	
E6561902 (9339636)	4.02	2.69	1.18	9.74	19.1	3.20	2	2	0.90	<0.2	0.30	6.2	17	0.38	
E6561903 (9339637)	3.82	2.50	1.11	10.0	18.2	3.28	2	2	0.86	<0.2	0.82	4.7	19	0.40	
E6561904 (9339638)	4.05	2.72	1.00	9.31	18.6	3.23	2	2	0.91	<0.2	0.93	4.5	16	0.41	
E6561905 (9339639)	4.02	2.77	1.14	9.47	18.1	3.28	2	2	0.90	<0.2	1.00	4.8	19	0.41	
E6561906 (9339640)	2.99	1.94	0.97	3.30	12.6	3.86	2	4	0.63	0.2	3.14	35.4	<10	0.29	
E6561907 (9339641)	4.10	2.70	1.36	8.64	19.2	3.78	2	2	0.89	<0.2	0.51	7.3	38	0.37	
E6561908 (9339642)	4.59	2.65	0.79	10.4	20.1	4.51	2	2	0.93	<0.2	0.12	8.6	53	0.38	
E6561909 (9339643)	4.13	2.65	1.20	9.02	18.5	3.35	2	2	0.94	<0.2	0.65	6.2	20	0.41	
E6561910 (9339644)	3.64	2.46	1.18	9.53	18.4	3.18	2	2	0.82	<0.2	0.73	5.0	23	0.38	
E6561911 (9339645)	2.99	1.88	1.14	6.08	18.1	3.04	1	2	0.60	<0.2	1.50	10.9	17	0.29	
E6561912 (9339646)	0.29	0.19	<0.05	0.24	0.44	0.28	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05	
E6561913 (9339647)	3.09	1.68	1.46	6.92	17.5	4.04	2	3	0.64	<0.2	1.72	22.5	13	0.26	
E6561914 (9339648)	3.34	1.65	2.26	7.21	18.9	6.39	2	3	0.62	<0.2	0.45	43.2	15	0.22	
E6561915 (9339649)	3.61	2.32	0.98	10.3	18.1	3.15	2	2	0.78	<0.2	0.80	5.2	31	0.35	
E6561916 (9339650)	2.87	1.77	0.92	7.13	17.0	2.87	1	2	0.61	<0.2	1.00	9.5	20	0.29	
E6561917 (9339651)	4.01	2.67	0.94	9.41	18.2	3.47	2	2	0.91	<0.2	1.14	4.4	35	0.41	
E6561918 (9339652)	3.98	2.74	0.87	9.46	18.0	3.36	2	2	0.87	<0.2	1.15	4.2	36	0.40	

Certified By:



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AGAT WORK ORDER: 18T351999

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561825 (9339559)	3.43	1920	5	3	10.1	88	0.05	367	2.11	26.6	0.10	1.1	35	19.9	
E6561826 (9339560)	2.32	433	13	8	31.8	156	0.06	13	8.86	113	1.32	1.8	6	24.5	
E6561827 (9339561)	3.66	2000	21	3	8.7	92	0.04	43	1.80	16.6	0.19	1.1	36	18.9	
E6561828 (9339562)	3.17	1660	23	3	9.4	92	0.04	47	1.95	23.4	0.15	1.0	36	19.5	
E6561829 (9339563)	3.47	1610	9	3	9.2	85	0.04	19	1.83	17.6	0.11	0.8	34	18.7	
E6561830 (9339564)	4.03	1840	15	3	9.3	92	0.04	11	1.89	16.4	0.35	0.6	39	18.8	
E6561831 (9339565)	3.53	1760	12	3	9.5	87	0.04	19	1.96	21.9	0.24	0.5	38	18.3	
E6561832 (9339566)	2.20	68	<2	<1	0.9	<5	<0.01	<5	0.22	0.4	<0.01	0.1	<5	4.10	
E6561833 (9339567)	2.97	1600	8	3	9.0	85	0.04	23	1.89	18.0	0.03	0.3	37	18.8	
E6561834 (9339568)	3.51	1850	16	3	9.0	85	0.04	24	1.89	25.4	0.03	0.5	35	19.0	
E6561835 (9339569)	3.91	2090	7	3	8.5	86	0.03	72	1.78	30.2	0.09	0.5	35	18.4	
E6561836 (9339570)	3.77	2070	6	3	8.9	88	0.04	31	1.85	32.2	0.03	0.4	36	20.1	
E6561837 (9339571)	3.62	2100	7	3	10.0	92	0.04	34	2.04	28.9	0.05	0.4	39	21.7	
E6561838 (9339572)	3.76	2120	7	3	10.4	93	0.04	18	2.21	31.7	0.05	0.4	40	21.8	
E6561839 (9339573)	4.13	1980	6	3	10.2	85	0.05	38	2.19	25.0	0.23	0.8	36	21.0	
E6561840 (9339574)	4.10	1390	15	3	7.5	91	0.03	32	1.58	3.5	0.72	1.0	33	22.8	
E6561841 (9339575)	4.00	1800	5	3	10.1	78	0.03	7	2.09	22.3	0.21	0.7	37	22.3	
E6561842 (9339576)	3.92	1630	7	3	11.3	77	0.04	9	2.35	21.6	0.16	0.7	38	21.9	
E6561843 (9339577)	4.75	1650	3	3	11.5	88	0.04	<5	2.62	42.6	<0.01	0.3	40	21.1	
E6561844 (9339578)	5.31	1390	6	3	6.3	71	0.04	38	1.21	3.9	0.08	0.5	35	22.0	
E6561845 (9339579)	3.86	1700	9	3	9.6	79	0.04	9	2.01	42.2	0.03	0.4	36	21.5	
E6561846 (9339580)	2.58	431	13	8	33.5	158	0.06	13	9.22	116	1.33	1.7	6	25.4	
E6561847 (9339581)	3.65	1900	5	3	9.3	92	0.04	7	1.90	55.0	0.07	0.5	38	22.0	
E6561848 (9339582)	3.65	2110	5	3	9.3	97	0.04	14	1.98	46.5	0.05	0.9	39	22.8	
E6561849 (9339583)	4.78	2200	8	2	7.3	123	0.03	44	1.45	43.1	0.21	0.7	38	22.0	
E6561850 (9339584)	5.58	2100	27	2	4.9	150	0.03	66	0.96	40.7	0.05	1.1	38	22.1	
E6561851 (9339585)	5.48	2050	2	2	5.0	163	0.02	59	1.00	58.1	0.07	0.9	37	20.7	
E6561852 (9339586)	2.74	60	<2	<1	0.9	<5	<0.01	<5	0.21	0.6	<0.01	0.2	<5	5.20	
E6561853 (9339587)	4.87	1900	11	1	4.8	145	0.01	46	0.92	60.5	0.04	0.9	36	20.7	
E6561854 (9339588)	4.90	1930	11	2	5.1	145	0.02	105	1.00	63.4	0.05	0.7	35	21.5	
E6561855 (9339589)	5.09	1980	13	2	5.7	133	0.03	62	1.10	34.0	0.04	0.4	35	19.4	
E6561856 (9339590)	5.25	2020	5	3	9.0	104	0.04	75	1.82	16.2	0.31	1.0	35	20.7	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561857 (9339591)	4.87	1830	13	3	9.1	107	0.04	237	1.92	24.2	0.32	0.8	37	22.1	
E6561858 (9339592)	4.86	1790	10	3	9.2	104	0.05	232	1.93	25.6	0.29	0.8	36	22.3	
E6561859 (9339593)	5.85	1710	3	3	9.6	111	0.05	108	1.99	12.2	0.25	0.5	38	20.7	
E6561860 (9339594)	4.91	1620	5	3	9.2	108	0.04	180	1.92	9.9	0.31	1.1	37	20.8	
E6561861 (9339595)	4.75	1790	3	3	8.8	99	0.04	30	1.74	10.3	0.15	0.4	38	21.4	
E6561862 (9339596)	5.10	1840	4	3	9.0	103	0.04	36	1.76	9.8	0.12	0.4	40	22.3	
E6561863 (9339597)	4.69	1710	18	3	9.0	88	0.04	78	1.85	14.0	0.08	0.5	37	21.8	
E6561864 (9339598)	4.65	1670	3	3	9.6	94	0.04	67	2.01	15.5	0.05	0.5	36	21.5	
E6561865 (9339599)	5.53	1710	6	3	10.4	80	0.04	66	2.16	13.0	0.13	0.4	38	21.7	
E6561866 (9339600)	2.78	439	13	8	33.4	171	0.06	12	9.17	115	1.34	1.8	6	25.4	
E6561867 (9339601)	4.88	1470	11	3	8.5	88	0.03	527	1.81	27.7	0.17	0.3	34	20.0	
E6561868 (9339602)	4.74	1710	13	3	10.3	98	0.04	30	2.22	39.2	0.19	0.5	37	20.4	
E6561869 (9339603)	2.51	870	5	4	21.8	83	0.08	16	5.29	35.3	<0.01	0.3	13	26.7	
E6561870 (9339604)	2.70	802	6	5	24.8	89	0.10	79	6.16	27.2	<0.01	0.2	11	27.0	
E6561871 (9339605)	4.58	1540	5	3	9.5	103	0.04	32	1.98	23.6	0.04	0.4	36	21.1	
E6561872 (9339606)	2.69	76	<2	<1	1.1	<5	<0.01	<5	0.26	0.7	<0.01	0.1	<5	5.34	
E6561873 (9339607)	4.96	1730	7	3	9.4	104	0.04	139	1.98	45.5	0.09	0.5	38	20.8	
E6561874 (9339608)	4.06	1670	8	3	8.7	107	0.04	11	1.84	26.3	0.05	0.4	37	22.0	
E6561875 (9339609)	4.01	1650	15	3	9.1	101	0.04	<5	1.85	31.2	0.07	0.2	37	21.6	
E6561876 (9339610)	4.01	1650	7	3	9.6	107	0.04	<5	1.97	34.9	0.08	0.2	36	21.7	
E6561877 (9339611)	3.82	1510	6	3	9.0	98	0.04	139	1.92	38.6	0.07	0.3	36	21.4	
E6561878 (9339612)	3.89	1500	6	3	8.9	97	0.03	218	1.84	37.1	0.06	0.3	35	21.4	
E6561879 (9339613)	3.75	1510	7	3	8.8	94	0.04	93	1.84	42.6	0.06	0.2	35	20.7	
E6561880 (9339614)	4.62	1740	4	3	8.4	92	0.04	7	1.76	26.2	0.21	0.2	34	21.1	
E6561881 (9339615)	3.82	1570	5	3	9.0	99	0.04	7	1.89	32.3	0.08	0.1	34	20.7	
E6561882 (9339616)	4.15	1700	5	3	8.7	92	0.04	<5	1.85	42.2	0.08	0.1	35	20.9	
E6561883 (9339617)	3.91	1750	8	3	9.7	90	0.04	<5	2.04	30.3	0.09	0.1	36	21.2	
E6561884 (9339618)	4.35	1810	5	3	8.9	89	0.04	<5	1.89	41.8	0.10	0.1	36	20.3	
E6561885 (9339619)	3.85	1750	5	4	9.2	84	0.04	<5	1.92	46.2	0.07	0.3	35	20.5	
E6561886 (9339620)	2.74	416	13	9	29.8	162	0.06	15	8.43	114	1.32	1.8	6	25.0	
E6561887 (9339621)	3.88	1530	4	4	8.8	80	0.03	9	1.89	55.2	0.04	0.4	35	21.0	
E6561888 (9339622)	4.71	1560	12	3	8.0	77	0.03	57	1.68	44.8	0.03	0.6	29	21.8	

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561889 (9339623)	3.88	1630	16	3	8.6	83	0.03	9	1.86	47.1	0.04	0.6	35	20.4	
E6561890 (9339624)	3.81	1460	10	4	9.1	90	0.04	6	1.92	38.3	0.04	0.3	37	21.6	
E6561891 (9339625)	4.77	1670	9	3	8.7	98	0.04	18	1.79	39.0	0.17	0.7	36	20.0	
E6561892 (9339626)	2.73	69	<2	<1	1.0	<5	<0.01	<5	0.24	1.1	<0.01	0.1	<5	5.23	
E6561893 (9339627)	4.18	1550	9	4	8.4	92	0.04	7	1.81	28.3	0.02	0.4	37	21.5	
E6561894 (9339628)	4.24	1570	7	3	9.1	95	0.04	<5	1.97	35.7	0.12	0.5	36	20.5	
E6561895 (9339629)	5.11	1450	7	4	9.2	92	0.04	<5	1.98	30.4	0.12	0.4	36	20.7	
E6561896 (9339630)	6.16	902	42	2	16.1	98	0.02	14	3.84	2.6	0.43	0.3	22	22.4	
E6561897 (9339631)	5.61	1400	10	3	9.6	99	0.04	6	2.17	28.5	0.18	0.4	37	19.9	
E6561898 (9339632)	5.77	1400	10	4	10.6	101	0.04	<5	2.27	32.2	0.18	0.4	37	19.9	
E6561899 (9339633)	3.79	1340	24	3	9.8	66	0.05	5	2.28	40.0	0.15	0.5	29	21.9	
E6561900 (9339634)	4.20	863	13	6	22.9	131	0.08	5	5.88	9.7	<0.01	0.4	14	23.7	
E6561901 (9339635)	3.78	947	3	5	19.5	117	0.08	9	5.07	15.2	0.01	0.4	16	24.3	
E6561902 (9339636)	4.16	1430	4	3	8.9	122	0.04	<5	2.04	12.4	0.86	0.5	35	21.6	
E6561903 (9339637)	4.31	1640	10	3	8.3	94	0.04	<5	1.74	33.0	0.22	0.6	35	21.0	
E6561904 (9339638)	4.15	1710	3	3	8.4	93	0.04	7	1.79	45.6	0.19	0.7	36	21.4	
E6561905 (9339639)	4.30	1580	16	3	8.4	89	0.03	<5	1.82	43.7	0.41	0.5	33	21.1	
E6561906 (9339640)	2.80	427	13	9	29.8	168	0.06	14	8.35	114	1.36	1.9	6	26.1	
E6561907 (9339641)	5.49	1280	6	3	10.2	89	0.03	<5	2.28	23.8	0.07	0.3	36	20.7	
E6561908 (9339642)	5.93	1010	7	3	15.2	130	0.03	16	3.39	4.9	1.29	0.6	30	23.1	
E6561909 (9339643)	3.65	1440	21	3	9.5	90	0.04	<5	2.17	26.4	0.23	0.5	35	21.7	
E6561910 (9339644)	4.32	1330	7	3	8.1	76	0.04	9	1.80	33.5	0.10	0.4	33	21.3	
E6561911 (9339645)	2.87	716	2	3	12.3	18	0.08	5	3.01	51.3	0.08	0.3	18	23.0	
E6561912 (9339646)	2.49	69	2	<1	1.0	<5	<0.01	<5	0.25	1.2	<0.01	0.2	<5	4.81	
E6561913 (9339647)	3.53	956	4	4	24.1	38	0.10	7	6.25	54.5	0.06	0.5	20	23.1	
E6561914 (9339648)	3.97	966	3	6	46.0	60	0.18	9	12.0	11.4	0.02	0.5	16	23.6	
E6561915 (9339649)	5.42	1450	4	3	8.7	128	0.04	6	1.94	36.9	0.07	0.4	30	20.9	
E6561916 (9339650)	3.56	1000	7	3	11.4	38	0.08	39	2.75	33.2	0.16	0.4	21	23.6	
E6561917 (9339651)	4.61	1330	13	3	8.3	109	0.04	33	1.78	72.4	0.18	0.5	34	21.0	
E6561918 (9339652)	4.69	1350	11	3	7.9	107	0.04	34	1.71	72.8	0.19	0.5	35	21.0	

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5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018						DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6561825 (9339559)	3.3	1	305	0.6	0.65	0.7	0.67	<0.5	0.42	0.19	320	2	24.3	2.8	
E6561826 (9339560)	5.9	3	24.4	1.0	0.59	11.1	0.22	0.8	0.30	6.97	60	5	18.1	2.0	
E6561827 (9339561)	2.9	1	233	<0.5	0.61	0.6	0.65	<0.5	0.42	0.17	320	3	24.2	2.7	
E6561828 (9339562)	3.1	1	355	<0.5	0.64	0.6	0.69	<0.5	0.42	0.17	332	2	25.0	2.9	
E6561829 (9339563)	3.0	<1	196	<0.5	0.62	0.5	0.62	<0.5	0.41	0.15	315	38	24.1	2.8	
E6561830 (9339564)	3.0	1	172	<0.5	0.65	0.5	0.65	<0.5	0.43	0.17	314	3	25.5	2.8	
E6561831 (9339565)	3.1	2	162	<0.5	0.66	0.5	0.63	<0.5	0.43	0.16	343	1	26.2	3.0	
E6561832 (9339566)	0.3	<1	44.2	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.12	<5	<1	2.3	0.1	
E6561833 (9339567)	3.0	2	153	<0.5	0.64	0.6	0.67	<0.5	0.42	0.16	324	1	24.8	2.8	
E6561834 (9339568)	3.0	<1	195	<0.5	0.61	0.5	0.64	<0.5	0.38	0.14	314	3	23.5	2.7	
E6561835 (9339569)	2.9	1	150	<0.5	0.61	0.5	0.63	<0.5	0.40	0.15	320	2	24.2	2.7	
E6561836 (9339570)	2.9	1	121	<0.5	0.62	0.5	0.65	<0.5	0.40	0.15	321	1	24.4	2.7	
E6561837 (9339571)	3.2	1	148	<0.5	0.69	0.6	0.71	<0.5	0.44	0.17	334	1	26.2	2.9	
E6561838 (9339572)	3.5	1	151	<0.5	0.67	0.6	0.72	<0.5	0.45	0.19	346	1	27.0	3.0	
E6561839 (9339573)	3.2	2	158	<0.5	0.66	0.5	0.67	<0.5	0.44	0.20	322	2	26.4	2.9	
E6561840 (9339574)	2.6	1	23.9	<0.5	0.60	0.5	0.59	<0.5	0.38	0.24	282	3	23.4	2.6	
E6561841 (9339575)	3.3	2	84.9	<0.5	0.69	0.5	0.71	<0.5	0.46	0.18	323	3	27.1	3.0	
E6561842 (9339576)	3.4	2	98.9	<0.5	0.69	0.6	0.72	<0.5	0.45	0.19	327	3	25.7	3.0	
E6561843 (9339577)	3.5	1	70.9	<0.5	0.68	0.5	0.74	<0.5	0.45	0.18	353	2	25.3	2.9	
E6561844 (9339578)	2.6	<1	26.9	<0.5	0.56	0.7	0.67	<0.5	0.39	0.21	312	3	19.9	2.5	
E6561845 (9339579)	3.1	5	114	<0.5	0.65	0.6	0.67	<0.5	0.40	0.15	326	3	23.6	2.8	
E6561846 (9339580)	6.3	2	26.1	0.9	0.62	11.0	0.23	0.8	0.28	7.01	61	5	18.5	2.1	
E6561847 (9339581)	3.1	1	165	<0.5	0.63	0.6	0.69	<0.5	0.40	0.16	317	3	23.0	2.7	
E6561848 (9339582)	3.2	1	235	<0.5	0.64	0.6	0.71	<0.5	0.41	0.15	322	4	24.9	2.7	
E6561849 (9339583)	2.5	1	199	<0.5	0.54	0.4	0.58	<0.5	0.35	0.11	289	1	20.9	2.5	
E6561850 (9339584)	1.8	<1	211	<0.5	0.43	0.2	0.47	<0.5	0.29	0.06	279	<1	17.2	1.9	
E6561851 (9339585)	1.8	<1	207	<0.5	0.41	0.2	0.45	<0.5	0.29	0.06	273	<1	17.0	2.0	
E6561852 (9339586)	0.2	<1	42.7	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.12	<5	<1	2.3	0.1	
E6561853 (9339587)	1.8	<1	204	<0.5	0.37	0.2	0.43	<0.5	0.28	0.06	260	<1	15.8	1.8	
E6561854 (9339588)	1.8	<1	168	<0.5	0.43	0.3	0.45	<0.5	0.29	0.07	266	<1	17.3	2.0	
E6561855 (9339589)	2.0	<1	110	<0.5	0.44	0.3	0.49	<0.5	0.31	0.09	266	<1	17.8	2.1	
E6561856 (9339590)	3.0	<1	101	<0.5	0.63	0.5	0.65	<0.5	0.40	0.15	303	2	23.8	2.8	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 10, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6561857 (9339591)	2.7	1	115	<0.5	0.60	0.5	0.66	<0.5	0.39	0.14	299	2	22.6	2.5	
E6561858 (9339592)	2.8	1	112	<0.5	0.61	0.5	0.67	<0.5	0.38	0.15	306	2	23.5	2.7	
E6561859 (9339593)	3.2	2	63.5	<0.5	0.69	0.5	0.79	<0.5	0.48	0.22	336	3	24.0	3.1	
E6561860 (9339594)	3.1	1	100	<0.5	0.65	0.5	0.74	<0.5	0.45	0.21	334	2	25.1	3.0	
E6561861 (9339595)	2.9	1	124	<0.5	0.64	0.5	0.73	<0.5	0.44	0.16	320	<1	24.9	2.9	
E6561862 (9339596)	3.0	<1	139	<0.5	0.63	0.5	0.77	<0.5	0.43	0.15	314	1	24.5	2.8	
E6561863 (9339597)	3.0	1	161	<0.5	0.62	0.5	0.71	<0.5	0.42	0.15	307	1	24.6	2.8	
E6561864 (9339598)	3.3	1	149	<0.5	0.67	0.7	0.71	<0.5	0.44	0.16	316	1	24.4	3.0	
E6561865 (9339599)	3.5	1	71.3	<0.5	0.73	0.7	0.74	<0.5	0.45	0.22	341	2	24.5	3.0	
E6561866 (9339600)	6.4	2	26.3	0.9	0.61	10.8	0.24	0.7	0.32	6.89	60	4	18.4	2.1	
E6561867 (9339601)	2.7	<1	59.2	<0.5	0.55	0.5	0.66	<0.5	0.39	0.22	303	1	21.0	2.5	
E6561868 (9339602)	3.2	<1	195	<0.5	0.66	0.7	0.72	<0.5	0.42	0.24	312	1	24.4	3.0	
E6561869 (9339603)	4.4	<1	688	<0.5	0.47	2.6	0.34	<0.5	0.19	1.12	120	<1	11.9	1.2	
E6561870 (9339604)	5.1	1	632	<0.5	0.48	2.9	0.32	<0.5	0.21	1.21	104	<1	11.9	1.2	
E6561871 (9339605)	3.1	<1	178	<0.5	0.63	0.6	0.70	<0.5	0.42	0.17	311	<1	23.9	2.9	
E6561872 (9339606)	0.2	<1	49.2	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.18	5	<1	2.5	0.2	
E6561873 (9339607)	3.1	<1	170	<0.5	0.62	0.6	0.75	<0.5	0.43	0.17	311	2	24.8	2.9	
E6561874 (9339608)	2.9	<1	166	<0.5	0.61	0.5	0.75	<0.5	0.42	0.16	310	2	23.6	2.8	
E6561875 (9339609)	3.1	<1	146	<0.5	0.62	0.5	0.71	<0.5	0.43	0.16	319	1	23.6	2.8	
E6561876 (9339610)	3.1	1	156	<0.5	0.66	0.5	0.72	<0.5	0.44	0.16	320	2	24.9	3.0	
E6561877 (9339611)	3.0	<1	149	<0.5	0.61	0.5	0.70	<0.5	0.41	0.15	314	1	23.9	3.0	
E6561878 (9339612)	3.0	<1	152	<0.5	0.62	0.5	0.69	<0.5	0.41	0.15	311	2	23.0	2.8	
E6561879 (9339613)	3.0	<1	147	<0.5	0.62	0.5	0.69	<0.5	0.38	0.17	310	1	23.6	2.8	
E6561880 (9339614)	2.8	<1	113	<0.5	0.61	0.5	0.65	<0.5	0.38	0.16	303	1	23.3	2.7	
E6561881 (9339615)	2.9	<1	140	<0.5	0.61	0.5	0.66	<0.5	0.41	0.16	306	1	23.9	2.8	
E6561882 (9339616)	2.8	<1	129	<0.5	0.63	0.5	0.67	<0.5	0.39	0.15	296	1	22.8	2.7	
E6561883 (9339617)	3.1	<1	150	<0.5	0.64	0.6	0.69	<0.5	0.45	0.18	315	1	25.4	2.9	
E6561884 (9339618)	2.9	<1	133	<0.5	0.59	0.5	0.71	<0.5	0.43	0.17	313	1	23.1	2.8	
E6561885 (9339619)	2.8	<1	138	<0.5	0.64	0.6	0.67	<0.5	0.42	0.18	317	1	24.8	2.8	
E6561886 (9339620)	5.4	2	27.3	0.9	0.57	11.5	0.23	0.8	0.30	7.53	65	5	19.2	2.0	
E6561887 (9339621)	2.8	<1	168	<0.5	0.56	0.6	0.69	<0.5	0.41	0.18	262	2	23.9	2.7	
E6561888 (9339622)	2.6	3	147	<0.5	0.57	0.5	0.55	<0.5	0.35	0.13	280	1	21.9	2.4	

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AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Aug 10, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561889 (9339623)	2.7	<1	194	<0.5	0.56	0.5	0.66	<0.5	0.40	0.16	336	1	24.4	2.9
E6561890 (9339624)	2.9	<1	150	<0.5	0.63	0.6	0.72	<0.5	0.42	0.17	345	2	25.3	2.9
E6561891 (9339625)	2.7	<1	152	<0.5	0.61	0.5	0.65	<0.5	0.39	0.17	335	1	25.0	2.7
E6561892 (9339626)	0.2	<1	47.8	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.50	6	<1	2.6	0.2
E6561893 (9339627)	2.8	1	146	<0.5	0.61	0.6	0.72	<0.5	0.43	0.21	348	1	25.0	2.9
E6561894 (9339628)	2.8	<1	160	<0.5	0.62	0.5	0.69	<0.5	0.42	0.20	346	1	25.6	2.9
E6561895 (9339629)	2.9	<1	85.9	<0.5	0.62	0.6	0.70	<0.5	0.41	0.24	352	2	25.4	2.8
E6561896 (9339630)	4.6	<1	18.1	<0.5	0.60	0.4	0.47	<0.5	0.22	0.37	225	1	18.5	1.5
E6561897 (9339631)	3.0	1	88.2	<0.5	0.62	0.5	0.73	<0.5	0.39	0.32	343	1	23.7	2.7
E6561898 (9339632)	3.2	<1	86.1	<0.5	0.70	0.6	0.72	<0.5	0.47	0.35	347	2	26.6	3.0
E6561899 (9339633)	2.8	<1	135	<0.5	0.51	1.2	0.55	<0.5	0.35	0.40	274	1	20.8	2.4
E6561900 (9339634)	4.8	<1	176	<0.5	0.52	3.5	0.40	<0.5	0.21	1.15	143	<1	13.9	1.4
E6561901 (9339635)	3.9	<1	151	<0.5	0.49	3.1	0.43	<0.5	0.22	1.01	158	<1	14.5	1.5
E6561902 (9339636)	2.5	<1	89.5	<0.5	0.58	0.5	0.65	<0.5	0.37	0.40	316	2	23.8	2.6
E6561903 (9339637)	2.7	<1	128	<0.5	0.57	0.8	0.68	<0.5	0.39	0.24	334	1	23.1	2.8
E6561904 (9339638)	2.7	<1	144	<0.5	0.64	0.7	0.70	<0.5	0.38	0.23	343	1	23.9	2.7
E6561905 (9339639)	2.7	<1	120	<0.5	0.57	0.5	0.64	<0.5	0.39	0.20	325	1	24.0	2.7
E6561906 (9339640)	5.4	2	26.9	0.8	0.56	11.3	0.23	0.8	0.28	7.45	64	5	18.6	1.9
E6561907 (9339641)	3.2	<1	56.0	<0.5	0.62	0.6	0.66	<0.5	0.42	0.21	264	1	23.8	2.7
E6561908 (9339642)	4.3	<1	17.5	<0.5	0.71	0.5	0.58	<0.5	0.38	0.60	290	2	25.2	2.6
E6561909 (9339643)	2.9	<1	142	<0.5	0.60	0.5	0.64	<0.5	0.42	0.22	330	1	24.6	2.9
E6561910 (9339644)	2.6	<1	95.7	<0.5	0.57	0.5	0.64	<0.5	0.37	0.24	322	1	21.6	2.5
E6561911 (9339645)	3.0	<1	156	<0.5	0.52	2.4	0.39	<0.5	0.27	0.75	207	<1	16.8	1.8
E6561912 (9339646)	0.2	<1	48.1	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.18	<5	<1	2.5	0.2
E6561913 (9339647)	4.8	<1	303	<0.5	0.59	2.8	0.40	<0.5	0.26	0.82	204	<1	17.4	1.9
E6561914 (9339648)	8.3	<1	597	<0.5	0.75	4.8	0.41	<0.5	0.25	1.17	146	<1	17.2	1.5
E6561915 (9339649)	2.6	<1	152	<0.5	0.51	0.7	0.58	<0.5	0.37	0.21	289	<1	21.1	2.3
E6561916 (9339650)	2.8	<1	148	<0.5	0.47	1.9	0.42	<0.5	0.26	0.69	209	1	16.5	1.8
E6561917 (9339651)	2.7	<1	137	<0.5	0.60	0.6	0.67	0.6	0.41	0.18	328	1	24.2	2.9
E6561918 (9339652)	2.7	<1	137	<0.5	0.58	0.5	0.67	0.6	0.39	0.17	329	<1	24.0	2.7

Certified By:



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AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6561825 (9339559)		138	76.8
E6561826 (9339560)		5	167
E6561827 (9339561)		120	76.1
E6561828 (9339562)		90	76.9
E6561829 (9339563)		88	70.5
E6561830 (9339564)		97	73.9
E6561831 (9339565)		87	74.3
E6561832 (9339566)		<5	2.5
E6561833 (9339567)		101	76.8
E6561834 (9339568)		105	72.5
E6561835 (9339569)		207	73.3
E6561836 (9339570)		103	74.0
E6561837 (9339571)		102	79.2
E6561838 (9339572)		103	81.3
E6561839 (9339573)		100	78.2
E6561840 (9339574)		115	63.6
E6561841 (9339575)		90	80.2
E6561842 (9339576)		85	79.8
E6561843 (9339577)		99	80.6
E6561844 (9339578)		131	72.5
E6561845 (9339579)		85	76.1
E6561846 (9339580)		9	172
E6561847 (9339581)		79	75.8
E6561848 (9339582)		123	78.1
E6561849 (9339583)		97	59.8
E6561850 (9339584)		388	45.5
E6561851 (9339585)		108	43.1
E6561852 (9339586)		<5	2.0
E6561853 (9339587)		97	39.7
E6561854 (9339588)		125	45.3
E6561855 (9339589)		222	49.2
E6561856 (9339590)		140	70.9

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6561857 (9339591)		202	69.1
E6561858 (9339592)		213	71.3
E6561859 (9339593)		675	79.1
E6561860 (9339594)		600	77.9
E6561861 (9339595)		125	76.0
E6561862 (9339596)		177	76.2
E6561863 (9339597)		249	75.9
E6561864 (9339598)		167	74.4
E6561865 (9339599)		138	77.9
E6561866 (9339600)		8	167
E6561867 (9339601)		707	67.0
E6561868 (9339602)		124	77.3
E6561869 (9339603)		87	108
E6561870 (9339604)		244	118
E6561871 (9339605)		112	75.5
E6561872 (9339606)		<5	3.5
E6561873 (9339607)		152	77.1
E6561874 (9339608)		79	74.0
E6561875 (9339609)		77	74.8
E6561876 (9339610)		72	75.6
E6561877 (9339611)		138	73.9
E6561878 (9339612)		166	72.6
E6561879 (9339613)		177	73.8
E6561880 (9339614)		77	70.0
E6561881 (9339615)		71	73.1
E6561882 (9339616)		83	70.5
E6561883 (9339617)		80	74.6
E6561884 (9339618)		80	77.4
E6561885 (9339619)		72	78.4
E6561886 (9339620)		10	182
E6561887 (9339621)		72	77.8
E6561888 (9339622)		138	59.7

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561889 (9339623)		70	75.5
E6561890 (9339624)		71	80.6
E6561891 (9339625)		77	73.9
E6561892 (9339626)		<5	3.2
E6561893 (9339627)		75	79.9
E6561894 (9339628)		72	80.0
E6561895 (9339629)		68	81.0
E6561896 (9339630)		73	52.6
E6561897 (9339631)		76	75.4
E6561898 (9339632)		74	83.3
E6561899 (9339633)		67	78.6
E6561900 (9339634)		59	118
E6561901 (9339635)		61	109
E6561902 (9339636)		82	70.6
E6561903 (9339637)		86	71.3
E6561904 (9339638)		73	75.3
E6561905 (9339639)		69	72.3
E6561906 (9339640)		9	172
E6561907 (9339641)		94	71.9
E6561908 (9339642)		103	64.9
E6561909 (9339643)		63	72.8
E6561910 (9339644)		78	71.1
E6561911 (9339645)		53	87.5
E6561912 (9339646)		<5	3.3
E6561913 (9339647)		62	101
E6561914 (9339648)		76	140
E6561915 (9339649)		88	68.2
E6561916 (9339650)		68	80.2
E6561917 (9339651)		95	75.2
E6561918 (9339652)		95	73.2

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 10, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561825 (9339559)		84
E6561831 (9339565)		80
E6561835 (9339569)		83
E6561844 (9339578)		93
E6561854 (9339588)		80
E6561865 (9339599)		91
E6561874 (9339608)		86
E6561884 (9339618)		88
E6561894 (9339628)		87
E6561904 (9339638)		81

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T351999

PROJECT: DDH-134A

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CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018	DATE REPORTED: Aug 10, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561854 (9339588)		94.1
E6561883 (9339617)		97.1
E6561913 (9339647)		97.2

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339630	< 1	< 1	0.0%	9339634	< 1	< 1	0.0%	9339642	5	2		9339584	< 1	< 1	0.0%
Al	9339559	7.64	7.78	1.8%	9339570	7.42	7.04	5.3%	9339582	8.11	8.21	1.2%	9339584	7.72	7.78	0.8%
As	9339630	87	88	1.1%	9339634	< 5	< 5	0.0%	9339642	233	240	3.0%	9339584	< 5	< 5	0.0%
B	9339559	< 20	< 20	0.0%	9339570	< 20	< 20	0.0%	9339582	80	82	2.5%	9339584	29	28	3.5%
Ba	9339559	317	318	0.3%	9339570	273	247	10.0%	9339582	307	314	2.3%	9339584	283	283	0.0%
Be	9339630	< 5	< 5	0.0%	9339634	< 5	< 5	0.0%	9339642	< 5	< 5	0.0%	9339584	< 5	< 5	0.0%
Bi	9339630	2.74	2.83	3.2%	9339634	0.1	0.1	0.0%	9339642	7.5	7.5	0.0%	9339584	0.1	< 0.1	
Ca	9339559	5.56	5.52	0.7%	9339570	6.43	6.13	4.8%	9339582	8.24	8.03	2.6%	9339584	6.05	5.93	2.0%
Cd	9339630	< 0.2	< 0.2	0.0%	9339634	< 0.2	< 0.2	0.0%	9339642	< 0.2	< 0.2	0.0%	9339584	1.2	1.2	0.0%
Ce	9339630	25.9	27.3	5.3%	9339634	45.9	44.4	3.3%	9339642	22.7	22.1	2.7%	9339584	5.9	6.0	1.7%
Co	9339630	141	141	0.0%	9339634	24.7	26.8	8.2%	9339642	286	289	1.0%	9339584	52.8	52.8	0.0%
Cr	9339559	0.020	0.020	0.0%	9339570	0.0190	0.0173	9.4%	9339582	0.021	0.021	0.0%	9339584	0.026	0.026	0.0%
Cs	9339630	0.45	0.43	4.5%	9339634	0.3	0.3	0.0%	9339642	1.3	1.3	0.0%	9339584	1.0	1.0	0.0%
Cu	9339559	70	63	10.5%	9339570	55	49	11.5%	9339582	36	39	8.0%	9339584	78	75	3.9%
Dy	9339630	3.08	3.33	7.8%	9339634	2.59	2.39	8.0%	9339642	4.59	4.27	7.2%	9339584	2.93	3.04	3.7%
Er	9339630	1.64	1.64	0.0%	9339634	1.42	1.29	9.6%	9339642	2.65	2.51	5.4%	9339584	1.97	2.03	3.0%
Eu	9339630	0.559	0.588	5.1%	9339634	1.26	1.24	1.6%	9339642	0.791	0.712	10.5%	9339584	0.572	0.587	2.6%
Fe	9339559	7.26	7.34	1.1%	9339570	7.71	7.25	6.1%	9339582	9.01	9.07	0.7%	9339584	9.16	9.10	0.7%
Ga	9339630	20.6	20.2	2.0%	9339634	16.6	16.3	1.8%	9339642	20.1	19.9	1.0%	9339584	15.9	16.1	1.3%
Gd	9339630	4.37	4.29	1.8%	9339634	4.09	3.66	11.1%	9339642	4.51	4.38	2.9%	9339584	2.37	2.54	6.9%
Ge	9339630	2	2	0.0%	9339634	2	2	0.0%	9339642	2	2	0.0%	9339584	2	2	0.0%
Hf	9339630	1	1	0.0%	9339634	3	3	0.0%	9339642	2	2	0.0%	9339584	1	1	0.0%
Ho	9339630	0.582	0.602	3.4%	9339634	0.50	0.46	8.3%	9339642	0.93	0.92	1.1%	9339584	0.62	0.65	4.7%
In	9339630	< 0.2	< 0.2	0.0%	9339634	< 0.2	< 0.2	0.0%	9339642	< 0.2	< 0.2	0.0%	9339584	< 0.2	< 0.2	0.0%
K	9339559	0.701	0.706	0.7%	9339570	0.72	0.68	5.7%	9339582	1.01	1.01	0.0%	9339584	0.86	0.85	1.2%
La	9339630	9.6	9.9	3.1%	9339634	20.3	19.7	3.0%	9339642	8.61	8.43	2.1%	9339584	2.2	2.2	0.0%
Li	9339559	21	20	4.9%	9339570	13	12	8.0%	9339582	12	9	28.6%	9339584	25	26	3.9%
Lu	9339630	0.21	0.22	4.7%	9339634	0.20	0.19	5.1%	9339642	0.38	0.34	11.1%	9339584	0.283	0.299	5.5%
Mg	9339559	3.43	3.43	0.0%	9339570	3.77	3.48	8.0%	9339582	3.65	3.81	4.3%	9339584	5.58	5.56	0.4%
Mn	9339559	1920	1940	1.0%	9339570	2070	1910	8.0%	9339582	2110	2150	1.9%	9339584	2100	2120	0.9%
Mo	9339630	42	42	0.0%	9339634	13	8		9339642	7	7	0.0%	9339584	27	22	20.4%



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Nb	9339630	2	2	0.0%	9339634	6	6	0.0%	9339642	3	3	0.0%	9339584	2	2	0.0%
Nd	9339630	16.1	16.6	3.1%	9339634	22.9	22.4	2.2%	9339642	15.2	14.2	6.8%	9339584	4.89	5.07	3.6%
Ni	9339559	88	87	1.1%	9339570	88	79	10.8%	9339582	97	97	0.0%	9339584	150	153	2.0%
P	9339559	0.045	0.038	16.9%	9339570	0.039	0.031	22.9%	9339582	0.04	0.04	0.0%	9339584	0.026	0.021	21.3%
Pb	9339630	14	14	0.0%	9339634	5	7		9339642	16	15	6.5%	9339584	66	65	1.5%
Pr	9339630	3.84	3.91	1.8%	9339634	5.88	5.79	1.5%	9339642	3.39	3.29	3.0%	9339584	0.96	0.97	1.0%
Rb	9339630	2.61	2.44	6.7%	9339634	9.7	9.4	3.1%	9339642	4.88	4.63	5.3%	9339584	40.7	41.1	1.0%
S	9339559	0.101	0.083	19.6%	9339570	0.03	0.01		9339582	0.05	0.07		9339584	0.048	0.041	15.7%
Sb	9339630	0.3	0.4	28.6%	9339634	0.40	0.32	22.2%	9339642	0.6	0.6	0.0%	9339584	1.1	1.0	9.5%
Sc	9339559	35	36	2.8%	9339570	36	33	8.7%	9339582	39	40	2.5%	9339584	38	38	0.0%
Si	9339559	19.9	20.3	2.0%	9339570	20.1	19.0	5.6%	9339582	22.8	22.9	0.4%	9339584	22.1	22.1	0.0%
Sm	9339630	4.6	4.7	2.2%	9339634	4.8	4.5	6.5%	9339642	4.26	4.25	0.2%	9339584	1.83	1.87	2.2%
Sn	9339630	< 1	< 1	0.0%	9339634	< 1	< 1	0.0%	9339642	< 1	< 1	0.0%	9339584	< 1	< 1	0.0%
Sr	9339559	305	312	2.3%	9339570	121	112	7.7%	9339582	235	238	1.3%	9339584	211	207	1.9%
Ta	9339630	< 0.5	< 0.5	0.0%	9339634	< 0.5	< 0.5	0.0%	9339642	< 0.5	< 0.5	0.0%	9339584	< 0.5	< 0.5	0.0%
Tb	9339630	0.60	0.60	0.0%	9339634	0.52	0.50	3.9%	9339642	0.71	0.71	0.0%	9339584	0.428	0.447	4.3%
Th	9339630	0.4	0.4	0.0%	9339634	3.47	3.39	2.3%	9339642	0.45	0.45	0.0%	9339584	0.2	0.2	0.0%
Ti	9339559	0.674	0.690	2.3%	9339570	0.65	0.62	4.7%	9339582	0.713	0.716	0.4%	9339584	0.47	0.47	0.0%
Tl	9339630	< 0.5	< 0.5	0.0%	9339634	< 0.5	< 0.5	0.0%	9339642	< 0.5	< 0.5	0.0%	9339584	< 0.5	< 0.5	0.0%
Tm	9339630	0.222	0.212	4.6%	9339634	0.212	0.182	15.2%	9339642	0.38	0.37	2.7%	9339584	0.29	0.30	3.4%
U	9339630	0.373	0.393	5.2%	9339634	1.15	1.14	0.9%	9339642	0.597	0.594	0.5%	9339584	0.06	0.06	0.0%
V	9339630	225	225	0.0%	9339634	143	134	6.5%	9339642	290	294	1.4%	9339584	279	278	0.4%
W	9339630	1	1	0.0%	9339634	< 1	< 1	0.0%	9339642	2	2	0.0%	9339584	< 1	< 1	0.0%
Y	9339630	18.5	18.4	0.5%	9339634	13.9	13.4	3.7%	9339642	25.2	24.8	1.6%	9339584	17.2	17.1	0.6%
Yb	9339630	1.5	1.5	0.0%	9339634	1.4	1.3	7.4%	9339642	2.58	2.53	2.0%	9339584	1.93	2.12	9.4%
Zn	9339559	138	135	2.2%	9339570	103	95	8.1%	9339582	123	123	0.0%	9339584	388	402	3.5%
Zr	9339630	52.6	51.0	3.1%	9339634	118	116	1.7%	9339642	64.9	62.1	4.4%	9339584	45.5	45.3	0.4%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9339594	< 1	< 1	0.0%	9339606	< 1	< 1	0.0%	9339609	< 1	< 1	0.0%				
Al	9339594	7.62	7.46	2.1%	9339606	0.173	0.181	4.5%	9339609	7.68	8.01	4.2%	9339618	7.97	8.04	0.9%
As	9339594	22	22	0.0%	9339606	< 5	< 5	0.0%	9339609	< 5	< 5	0.0%				
B	9339594	< 20	< 20	0.0%	9339606	< 20	< 20	0.0%	9339609	< 20	< 20	0.0%	9339618	< 20	< 20	0.0%
Ba	9339594	62.2	64.1	3.0%	9339606	16.3	16.7	2.4%	9339609	108	109	0.9%	9339618	136	136	0.0%



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Be	9339594	< 5	< 5	0.0%	9339606	< 5	< 5	0.0%	9339609	< 5	< 5	0.0%				
Bi	9339594	0.3	0.3	0.0%	9339606	< 0.1	< 0.1	0.0%	9339609	< 0.1	< 0.1	0.0%				
Ca	9339594	4.41	4.33	1.8%	9339606	32.6	32.2	1.2%	9339609	7.49	7.38	1.5%	9339618	6.85	7.07	3.2%
Cd	9339594	1.80	1.87	3.8%	9339606	< 0.2	< 0.2	0.0%	9339609	< 0.2	< 0.2	0.0%				
Ce	9339594	12.5	12.4	0.8%	9339606	1.3	1.3	0.0%	9339609	12.7	13.3	4.6%				
Co	9339594	63.8	64.3	0.8%	9339606	1.8	1.9	5.4%	9339609	52.3	52.7	0.8%				
Cr	9339594	0.0192	0.0198	3.1%	9339606	< 0.005	< 0.005	0.0%	9339609	0.0196	0.0194	1.0%	9339618	0.020	0.020	0.0%
Cs	9339594	0.9	0.9	0.0%	9339606	< 0.1	< 0.1	0.0%	9339609	1.2	1.2	0.0%				
Cu	9339594	139	143	2.8%	9339606	7	8	13.3%	9339609	58	59	1.7%	9339618	89	90	1.1%
Dy	9339594	4.65	4.53	2.6%	9339606	0.28	0.27	3.6%	9339609	4.58	4.59	0.2%				
Er	9339594	2.87	3.01	4.8%	9339606	0.20	0.16	22.2%	9339609	2.82	2.92	3.5%				
Eu	9339594	0.866	0.852	1.6%	9339606	< 0.05	< 0.05	0.0%	9339609	1.03	0.96	7.0%				
Fe	9339594	10.7	10.5	1.9%	9339606	0.27	0.27	0.0%	9339609	9.29	9.14	1.6%	9339618	9.53	9.56	0.3%
Ga	9339594	19.2	19.5	1.6%	9339606	0.43	0.42	2.4%	9339609	18.5	19.4	4.7%				
Gd	9339594	3.96	3.74	5.7%	9339606	0.328	0.283	14.7%	9339609	3.75	4.06	7.9%				
Ge	9339594	2	2	0.0%	9339606	1	1	0.0%	9339609	2	2	0.0%				
Hf	9339594	2	2	0.0%	9339606	< 1	< 1	0.0%	9339609	2	2	0.0%				
Ho	9339594	0.97	0.96	1.0%	9339606	0.060	0.052	14.3%	9339609	0.92	0.93	1.1%				
In	9339594	< 0.2	< 0.2	0.0%	9339606	< 0.2	< 0.2	0.0%	9339609	< 0.2	< 0.2	0.0%				
K	9339594	0.28	0.28	0.0%	9339606	< 0.05	< 0.05	0.0%	9339609	0.664	0.674	1.5%	9339618	0.858	0.853	0.6%
La	9339594	4.9	4.9	0.0%	9339606	1.37	1.29	6.0%	9339609	4.93	5.29	7.0%				
Li	9339594	29	28	3.5%	9339606	< 10	< 10	0.0%	9339609	12	10	18.2%	9339618	19	18	5.4%
Lu	9339594	0.430	0.424	1.4%	9339606	< 0.05	< 0.05	0.0%	9339609	0.421	0.438	4.0%				
Mg	9339594	4.91	4.94	0.6%	9339606	2.69	2.68	0.4%	9339609	4.01	3.98	0.8%	9339618	4.35	4.26	2.1%
Mn	9339594	1620	1660	2.4%	9339606	76	76	0.0%	9339609	1650	1630	1.2%	9339618	1810	1790	1.1%
Mo	9339594	5	5	0.0%	9339606	< 2	< 2	0.0%	9339609	15	21					
Nb	9339594	3	3	0.0%	9339606	< 1	< 1	0.0%	9339609	3	3	0.0%				
Nd	9339594	9.22	8.73	5.5%	9339606	1.1	1.1	0.0%	9339609	9.14	9.86	7.6%				
Ni	9339594	108	112	3.6%	9339606	< 5	< 5	0.0%	9339609	101	107	5.8%	9339618	89	90	1.1%
P	9339594	0.04	0.04	0.0%	9339606	< 0.01	< 0.01	0.0%	9339609	0.04	0.04	0.0%	9339618	0.04	0.04	0.0%
Pb	9339594	180	180	0.0%	9339606	< 5	< 5	0.0%	9339609	< 5	< 5	0.0%				
Pr	9339594	1.92	1.90	1.0%	9339606	0.257	0.244	5.2%	9339609	1.85	1.98	6.8%				
Rb	9339594	9.91	10.1	1.9%	9339606	0.7	0.7	0.0%	9339609	31.2	33.3	6.5%				
S	9339594	0.31	0.32	3.2%	9339606	< 0.01	< 0.01	0.0%	9339609	0.07	0.07	0.0%	9339618	0.10	0.10	0.0%



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Sb	9339594	1.1	1.1	0.0%	9339606	0.1	0.1	0.0%	9339609	0.2	0.2	0.0%				
Sc	9339594	37	37	0.0%	9339606	< 5	< 5	0.0%	9339609	37	36	2.7%	9339618	36	36	0.0%
Si	9339594	20.8	20.5	1.5%	9339606	5.34	5.34	0.0%	9339609	21.6	21.2	1.9%	9339618	20.3	20.4	0.5%
Sm	9339594	3.1	3.1	0.0%	9339606	0.21	0.26	21.3%	9339609	3.1	3.1	0.0%				
Sn	9339594	1	1	0.0%	9339606	< 1	< 1	0.0%	9339609	< 1	1					
Sr	9339594	100	101	1.0%	9339606	49.2	50.5	2.6%	9339609	146	144	1.4%	9339618	133	131	1.5%
Ta	9339594	< 0.5	< 0.5	0.0%	9339606	< 0.5	< 0.5	0.0%	9339609	< 0.5	< 0.5	0.0%				
Tb	9339594	0.65	0.66	1.5%	9339606	< 0.05	< 0.05	0.0%	9339609	0.624	0.630	1.0%				
Th	9339594	0.5	0.5	0.0%	9339606	0.1	0.1	0.0%	9339609	0.5	0.5	0.0%				
Ti	9339594	0.74	0.73	1.4%	9339606	0.01	0.01	0.0%	9339609	0.71	0.71	0.0%	9339618	0.71	0.71	0.0%
Tl	9339594	< 0.5	< 0.5	0.0%	9339606	< 0.5	< 0.5	0.0%	9339609	< 0.5	< 0.5	0.0%				
Tm	9339594	0.45	0.42	6.9%	9339606	< 0.05	< 0.05	0.0%	9339609	0.428	0.446	4.1%				
U	9339594	0.21	0.21	0.0%	9339606	0.179	0.165	8.1%	9339609	0.16	0.16	0.0%				
V	9339594	334	329	1.5%	9339606	5	6	18.2%	9339609	319	302	5.5%	9339618	262	261	0.4%
W	9339594	2	2	0.0%	9339606	< 1	< 1	0.0%	9339609	1	1	0.0%				
Y	9339594	25.1	25.1	0.0%	9339606	2.5	2.6	3.9%	9339609	23.6	25.0	5.8%				
Yb	9339594	3.0	3.0	0.0%	9339606	0.15	0.13	14.3%	9339609	2.8	3.0	6.9%				
Zn	9339594	600	605	0.8%	9339606	< 5	< 5	0.0%	9339609	77	74	4.0%	9339618	80	82	2.5%
Zr	9339594	77.9	78.6	0.9%	9339606	3.52	3.60	2.2%	9339609	74.8	75.3	0.7%				

Parameter	REPLICATE #8				REPLICATE #9				REPLICATE #10							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Al	9339630	7.83	7.71	1.5%	9339634	7.14	7.13	0.1%	9339642	6.53	6.35	2.8%				
B	9339630	< 20	< 20	0.0%	9339634	< 20	< 20	0.0%	9339642	< 20	< 20	0.0%				
Ba	9339630	7.8	7.8	0.0%	9339634	86.1	86.3	0.2%	9339642	13.2	13.2	0.0%				
Ca	9339630	0.556	0.530	4.8%	9339634	4.46	4.38	1.8%	9339642	0.906	0.868	4.3%				
Cr	9339630	0.013	0.013	0.0%	9339634	0.0413	0.0421	1.9%	9339642	0.016	0.016	0.0%				
Cu	9339630	580	583	0.5%	9339634	57	54	5.4%	9339642	578	578	0.0%				
Fe	9339630	8.67	8.58	1.0%	9339634	5.79	5.80	0.2%	9339642	10.4	10.1	2.9%				
K	9339630	0.116	0.105	10.0%	9339634	0.38	0.37	2.7%	9339642	0.12	0.11	8.7%				
Li	9339630	69	68	1.5%	9339634	< 10	< 10	0.0%	9339642	53	56	5.5%				
Mg	9339630	6.16	6.27	1.8%	9339634	4.20	4.26	1.4%	9339642	5.93	5.75	3.1%				
Mn	9339630	902	911	1.0%	9339634	863	893	3.4%	9339642	1010	1020	1.0%				
Ni	9339630	98	97	1.0%	9339634	131	136	3.7%	9339642	130	128	1.6%				
P	9339630	0.022	0.027	20.4%	9339634	0.082	0.088	7.1%	9339642	0.03	0.03	0.0%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

S	9339630	0.43	0.43	0.0%	9339634	< 0.01	0.02		9339642	1.29	1.29	0.0%				
Sc	9339630	22	22	0.0%	9339634	14	14	0.0%	9339642	30	30	0.0%				
Si	9339630	22.4	22.1	1.3%	9339634	23.7	23.9	0.8%	9339642	23.1	22.4	3.1%				
Sr	9339630	18.1	17.2	5.1%	9339634	176	173	1.7%	9339642	17.5	17.0	2.9%				
Ti	9339630	0.466	0.463	0.6%	9339634	0.40	0.40	0.0%	9339642	0.580	0.562	3.2%				
V	9339630	167	167	0.0%	9339634	105	105	0.0%	9339642	211	211	0.0%				
Zn	9339630	73	69	5.6%	9339634	59	59	0.0%	9339642	103	98	5.0%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SY-4)				CRM #3 (ref.SU-1b)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									6.39	4.55	71%	90% - 110%				
Al	4.30	4.42	103%	90% - 110%	10.95	11.21	102%	90% - 110%	4.30	4.23	98%	90% - 110%	10.95	10.97	100%	90% - 110%
As	2.49	3.15	127%	90% - 110%												
Ba					340	339	100%	90% - 110%					340	331	97%	90% - 110%
Be					2.6	3	114%	90% - 110%					2.6	3	116%	90% - 110%
Ca	2.21	2.37	107%	90% - 110%	5.72	6.06	106%	90% - 110%	2.21	2.18	99%	90% - 110%	5.72	5.62	98%	90% - 110%
Ce					122	122	100%	90% - 110%					122	123	101%	90% - 110%
Co	672	675	100%	90% - 110%	2.8	2.6	93%	90% - 110%	672	666	99%	90% - 110%	2.8	2.7	96%	90% - 110%
Cr	0.032	0.031	97%	90% - 110%					0.032	0.03	94%	90% - 110%				
Cs					1.5	1.5	100%	90% - 110%					1.5	1.5	101%	90% - 110%
Cu	11850	11603	98%	90% - 110%	7	5	76%	90% - 110%	11850	11266	95%	90% - 110%				
Dy					18.2	18.2	100%	90% - 110%					18.2	19.2	106%	90% - 110%
Er					14.2	14.2	100%	90% - 110%					14.2	14.9	105%	90% - 110%
Eu					2.0	2	101%	90% - 110%					2.0	1.8	92%	90% - 110%
Fe	25.54	24.39	95%	90% - 110%	4.34	4.21	97%	90% - 110%	25.54	24.17	95%	90% - 110%	4.34	4.36	100%	90% - 110%
Ga					35	38	108%	90% - 110%					35	37	105%	90% - 110%
Gd					14	14	100%	90% - 110%					14	16	111%	90% - 110%
Hf					10.6	10.8	102%	90% - 110%					10.6	11.1	105%	90% - 110%
Ho					4.3	4.3	101%	90% - 110%					4.3	4.4	103%	90% - 110%
K					1.37	1.35	98%	90% - 110%					1.37	1.36	100%	90% - 110%
La					58	58	100%	90% - 110%					58	58	100%	90% - 110%
Li					37	38	102%	90% - 110%					37	34	93%	90% - 110%
Lu					2.1	2.1	100%	90% - 110%					2.1	2.2	102%	90% - 110%
Mg	1.79	1.75	98%	90% - 110%	0.325	0.33	102%	90% - 110%	1.79	1.78	100%	90% - 110%	0.325	0.326	100%	90% - 110%
Mn	703	723	103%	90% - 110%	836	814	97%	90% - 110%	703	658	94%	90% - 110%	836	760	90%	90% - 110%
Nb					13	14	104%	90% - 110%					13	13	101%	90% - 110%
Nd					57	57	100%	90% - 110%					57	58	103%	90% - 110%
Ni	19530	18453	94%	90% - 110%	9	7	81%	90% - 110%	19530	18247	93%	90% - 110%				
Pb	58	58	99%	90% - 110%	10	11	111%	90% - 110%	58	59	102%	90% - 110%	10	10	96%	90% - 110%
Pr					15.0	15	100%	90% - 110%					15.0	15	100%	90% - 110%
Rb					55	56	102%	90% - 110%					55	57	104%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

S	14.14	12.75	90%	90% - 110%					14.14	12.76	90%	90% - 110%					
Si	15.23	14.03	92%	90% - 110%	23.3	22.4	96%	90% - 110%	15.23	13.9	91%	90% - 110%	23.3	21.2	91%	90% - 110%	
Sm					12.7	12.8	101%	90% - 110%					12.7	13.5	106%	90% - 110%	
Sn					7.1	8	113%	90% - 110%					7.1	7.9	111%	90% - 110%	
Sr					1191	1246	105%	90% - 110%					1191	1162	98%	90% - 110%	
Ta					0.9	0.9	103%	90% - 110%					0.9	0.9	105%	90% - 110%	
Tb					2.6	2.6	100%	90% - 110%					2.6	2.7	103%	90% - 110%	
Th					1.4	1.2	88%	90% - 110%					1.4	1.2	89%	90% - 110%	
Ti					0.172	0.167	97%	90% - 110%					0.172	0.169	98%	90% - 110%	
Tm					2.3	2.3	100%	90% - 110%					2.3	2.4	104%	90% - 110%	
U					0.8	0.9	107%	90% - 110%					0.8	0.8	106%	90% - 110%	
V					8	7	82%	90% - 110%									
Y					119	120	101%	90% - 110%					119	120	100%	90% - 110%	
Yb					14.8	15.5	105%	90% - 110%					14.8	15.6	105%	90% - 110%	
Zn	235	243	103%	90% - 110%	93	93	100%	90% - 110%	235	229	97%	90% - 110%	93	87	93%	90% - 110%	
Zr					517	566	109%	90% - 110%					517	563	108%	90% - 110%	
	CRM #5 (ref.SU-1b)				CRM #6 (ref.SY-4)												
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits									
Al	4.30	4.25	99%	90% - 110%	10.95	11.0	100%	90% - 110%									
Ba					340	331	97%	90% - 110%									
Ca	2.21	2.13	96%	90% - 110%	5.72	5.62	98%	90% - 110%									
Cr	0.032	0.029	92%	90% - 110%													
Cu	11850	10781	91%	90% - 110%													
Fe	25.54	24.8	97%	90% - 110%	4.34	4.4	101%	90% - 110%									
K					1.37	1.35	98%	90% - 110%									
Li					37	34	92%	90% - 110%									
Mg	1.79	1.86	104%	90% - 110%	0.325	0.341	105%	90% - 110%									
Mn	703	642	91%	90% - 110%	836	759	90%	90% - 110%									
Ni	19530	18154	93%	90% - 110%	9	7	75%	90% - 110%									
S	14.14	12.87	91%	90% - 110%													
Si	15.23	14.6	95%	90% - 110%	23.3	22.2	95%	90% - 110%									
Sr					1191	1164	98%	90% - 110%									
Ti					0.172	0.165	96%	90% - 110%									
Zn	235	240	102%	90% - 110%	93	91	98%	90% - 110%									



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-134A
 SAMPLING SITE:

AGAT WORK ORDER: 18T351999
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-134A
SAMPLING SITE:

AGAT WORK ORDER: 18T351999
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-134B

AGAT WORK ORDER: 18T352000

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 20, 2018

PAGES (INCLUDING COVER): 29

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Jul 20, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561919 (9339653)		1.53
E6561920 (9339654)		4.03
E6561921 (9339655)		3.04
E6561922 (9339656)		2.69
E6561923 (9339657)		2.58
E6561924 (9339658)		2.76
E6561925 (9339659)		2.43
E6561926 (9339660)		0.01
E6561927 (9339661)		2.80
E6561928 (9339662)		2.64
E6561929 (9339663)		2.93
E6561930 (9339664)		1.72
E6561931 (9339665)		1.10
E6561932 (9339666)		1.44
E6561933 (9339667)		2.70
E6561934 (9339668)		2.53
E6561935 (9339669)		2.71
E6561936 (9339670)		2.54
E6561937 (9339671)		3.07
E6561938 (9339672)		3.07
E6561939 (9339673)		2.57
E6561940 (9339674)		2.59
E6561941 (9339675)		2.76
E6561942 (9339676)		2.65
E6561943 (9339677)		2.86
E6561944 (9339678)		2.41
E6561945 (9339679)		2.57
E6561946 (9339680)		0.01
E6561947 (9339681)		2.48
E6561948 (9339682)		2.58
E6561949 (9339683)		2.44

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Jul 20, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561950 (9339684)		2.54
E6561951 (9339685)		2.61
E6561952 (9339686)		1.47
E6561953 (9339687)		2.48
E6561954 (9339688)		3.49
E6561955 (9339689)		2.91
E6561956 (9339690)		1.15
E6561957 (9339691)		2.44
E6561958 (9339692)		2.44
E6561959 (9339693)		3.06
E6561960 (9339694)		2.75
E6561961 (9339695)		3.64
E6561962 (9339696)		2.68
E6561963 (9339697)		1.26
E6561964 (9339698)		2.61
E6561965 (9339699)		3.77
E6561966 (9339700)		0.01
E6561967 (9339701)		1.82
E6561968 (9339702)		2.51
E6561969 (9339703)		2.49
E6561970 (9339704)		2.59
E6561971 (9339705)		1.81
E6561972 (9339706)		1.79
E6561973 (9339707)		0.77
E6561974 (9339708)		2.17
E6561975 (9339709)		3.47
E6561976 (9339710)		1.27
E6561977 (9339711)		3.48
E6561978 (9339712)		3.48
E6561979 (9339713)		2.86
E6561980 (9339714)		2.69

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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 CANADA L4Z 1N9
 TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Jul 20, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6561981 (9339715)		3.13
E6561982 (9339716)		2.54

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561919 (9339653)	<1	7.72	<5	<20	124	<5	0.1	7.41	<0.2	11.9	48.8	0.021	1.8	45	
E6561920 (9339654)	<1	7.75	<5	<20	161	<5	0.2	6.88	<0.2	11.9	51.4	0.021	2.5	74	
E6561921 (9339655)	<1	7.82	19	<20	128	<5	0.5	5.55	0.9	10.2	45.6	0.021	4.3	93	
E6561922 (9339656)	<1	7.72	<5	<20	235	<5	0.2	6.05	<0.2	23.1	44.0	0.018	5.0	78	
E6561923 (9339657)	<1	8.40	<5	22	296	<5	0.2	6.02	<0.2	23.9	49.4	0.018	7.0	145	
E6561924 (9339658)	<1	8.44	<5	22	271	<5	0.1	6.91	<0.2	25.3	54.2	0.018	5.3	112	
E6561925 (9339659)	<1	6.87	6	<20	208	<5	0.4	8.01	0.3	19.1	50.1	0.017	4.3	171	
E6561926 (9339660)	<1	4.75	550	102	171	<5	8.5	4.10	<0.2	71.0	1030	0.006	2.7	2970	
E6561927 (9339661)	<1	7.22	88	<20	177	<5	1.4	6.20	0.3	16.4	55.2	0.017	3.5	344	
E6561928 (9339662)	<1	7.85	8	<20	187	<5	0.4	7.37	<0.2	19.2	51.4	0.020	2.7	112	
E6561929 (9339663)	<1	7.22	10	<20	213	<5	0.5	6.66	0.5	17.7	50.5	0.019	3.3	173	
E6561930 (9339664)	<1	7.68	<5	<20	217	<5	0.1	7.33	<0.2	18.4	46.8	0.019	4.7	102	
E6561931 (9339665)	<1	7.10	<5	78	188	<5	0.5	7.91	<0.2	17.9	52.3	0.017	4.5	213	
E6561932 (9339666)	<1	0.12	<5	<20	21.2	<5	<0.1	31.1	<0.2	1.1	1.7	<0.005	0.1	11	
E6561933 (9339667)	<1	7.71	8	65	298	<5	0.8	8.01	0.2	11.6	65.7	0.021	2.9	483	
E6561934 (9339668)	<1	8.34	18	37	375	<5	0.3	8.25	0.2	12.8	52.5	0.023	1.6	88	
E6561935 (9339669)	<1	8.03	<5	34	281	<5	0.2	9.35	<0.2	12.8	54.5	0.023	1.0	60	
E6561936 (9339670)	<1	8.14	20	<20	364	<5	0.3	6.91	<0.2	12.4	62.0	0.023	1.2	210	
E6561937 (9339671)	<1	8.35	10	<20	262	<5	0.3	6.68	0.4	12.3	60.6	0.022	2.2	119	
E6561938 (9339672)	<1	8.40	8	<20	259	<5	0.3	6.80	0.4	12.1	60.2	0.022	2.3	113	
E6561939 (9339673)	<1	8.08	7	22	188	<5	0.3	6.35	<0.2	11.7	53.1	0.022	3.0	113	
E6561940 (9339674)	<1	7.84	17	<20	203	<5	0.6	6.08	0.3	10.9	58.0	0.021	1.6	385	
E6561941 (9339675)	<1	7.97	20	<20	168	<5	0.8	6.10	<0.2	10.9	51.0	0.021	3.0	144	
E6561942 (9339676)	<1	7.83	12	24	215	<5	0.3	5.92	<0.2	11.2	47.2	0.021	1.3	107	
E6561943 (9339677)	<1	7.87	7	<20	254	<5	0.4	7.23	<0.2	12.3	48.1	0.021	1.0	99	
E6561944 (9339678)	<1	7.75	29	<20	161	<5	0.3	4.12	<0.2	16.3	81.9	0.021	1.7	496	
E6561945 (9339679)	<1	8.02	9	42	357	<5	0.4	4.29	<0.2	15.2	44.7	0.025	2.3	100	
E6561946 (9339680)	<1	4.79	535	101	170	<5	8.8	4.12	<0.2	69.7	1000	0.006	2.6	2930	
E6561947 (9339681)	<1	5.88	12	<20	128	<5	0.1	4.34	<0.2	24.6	79.7	0.117	1.4	141	
E6561948 (9339682)	<1	5.43	9	<20	189	<5	0.1	5.52	<0.2	30.2	56.1	0.133	1.2	52	
E6561949 (9339683)	<1	5.42	15	<20	170	<5	0.1	5.71	<0.2	26.1	61.5	0.127	0.9	215	
E6561950 (9339684)	<1	5.51	8	27	90.1	<5	0.1	4.39	<0.2	28.5	53.5	0.148	1.5	21	

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Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561951 (9339685)	<1	5.19	<5	<20	164	<5	<0.1	5.61	<0.2	24.6	55.3	0.130	1.1	25	
E6561952 (9339686)	<1	0.09	<5	<20	13.7	<5	<0.1	32.1	<0.2	1.2	1.4	<0.005	<0.1	9	
E6561953 (9339687)	<1	4.89	<5	<20	242	<5	<0.1	6.27	<0.2	25.2	60.9	0.136	1.0	80	
E6561954 (9339688)	<1	5.18	<5	<20	183	<5	0.1	5.85	<0.2	30.6	59.4	0.134	0.9	32	
E6561955 (9339689)	<1	5.82	<5	<20	242	<5	<0.1	5.35	<0.2	32.9	54.1	0.116	0.8	38	
E6561956 (9339690)	<1	7.68	<5	<20	386	<5	0.3	5.44	<0.2	20.7	44.1	0.019	1.3	97	
E6561957 (9339691)	<1	7.43	21	<20	292	<5	0.5	5.75	<0.2	19.6	48.4	0.018	0.9	84	
E6561958 (9339692)	<1	7.34	20	<20	289	<5	0.5	5.55	<0.2	18.9	46.7	0.017	0.8	79	
E6561959 (9339693)	<1	7.65	6	<20	318	<5	0.3	6.33	<0.2	18.3	45.3	0.018	1.3	72	
E6561960 (9339694)	<1	7.57	<5	<20	227	<5	0.2	6.89	<0.2	17.9	47.4	0.018	1.4	86	
E6561961 (9339695)	<1	7.86	12	<20	408	<5	0.3	5.21	<0.2	20.9	69.9	0.019	1.2	62	
E6561962 (9339696)	<1	6.18	7	<20	163	<5	0.1	5.05	<0.2	71.5	37.6	0.032	0.6	17	
E6561963 (9339697)	<1	6.28	<5	<20	225	<5	<0.1	5.02	<0.2	76.8	28.8	0.033	0.7	27	
E6561964 (9339698)	<1	7.49	7	<20	388	<5	0.3	5.44	<0.2	26.1	45.3	0.018	0.9	80	
E6561965 (9339699)	<1	7.13	<5	<20	385	<5	0.2	5.32	<0.2	26.8	44.8	0.030	0.8	41	
E6561966 (9339700)	<1	4.78	544	100	169	<5	8.9	4.12	<0.2	72.7	1020	0.006	2.7	2890	
E6561967 (9339701)	<1	6.73	27	<20	313	<5	0.5	4.24	<0.2	32.1	54.6	0.021	0.6	43	
E6561968 (9339702)	<1	6.63	25	<20	162	<5	0.4	4.58	<0.2	48.6	72.5	0.027	0.6	55	
E6561969 (9339703)	<1	6.64	10	<20	141	<5	<0.1	4.62	<0.2	67.8	53.3	0.038	0.7	120	
E6561970 (9339704)	<1	5.66	<5	<20	120	<5	<0.1	5.00	<0.2	51.7	35.5	0.055	0.8	16	
E6561971 (9339705)	<1	6.18	12	<20	147	<5	<0.1	4.78	0.2	61.2	60.3	0.039	0.7	58	
E6561972 (9339706)	<1	0.11	<5	<20	14.7	<5	<0.1	33.5	<0.2	1.3	1.4	<0.005	<0.1	9	
E6561973 (9339707)	<1	7.03	14	<20	225	<5	0.3	8.24	<0.2	21.4	86.2	0.015	1.2	82	
E6561974 (9339708)	<1	6.30	6	<20	233	<5	0.2	5.68	<0.2	41.9	46.3	0.043	1.6	72	
E6561975 (9339709)	<1	7.55	5	<20	265	<5	0.2	6.27	<0.2	20.4	47.5	0.018	2.7	92	
E6561976 (9339710)	<1	7.64	6	<20	232	<5	0.3	5.95	<0.2	21.1	52.5	0.018	2.7	98	
E6561977 (9339711)	<1	6.90	<5	<20	273	<5	0.2	5.75	<0.2	40.0	48.3	0.032	1.0	102	
E6561978 (9339712)	<1	6.81	<5	<20	270	<5	0.2	5.73	<0.2	39.8	48.0	0.032	1.0	92	
E6561979 (9339713)	<1	7.69	<5	<20	196	<5	0.3	6.01	<0.2	18.5	47.0	0.018	1.8	87	
E6561980 (9339714)	<1	7.53	5	27	187	<5	0.3	5.69	<0.2	20.0	50.7	0.017	0.8	86	
E6561981 (9339715)	<1	7.74	<5	22	177	<5	0.1	6.48	<0.2	18.6	49.1	0.018	0.8	81	
E6561982 (9339716)	<1	7.56	<5	50	106	<5	<0.1	6.47	<0.2	17.8	52.7	0.016	0.6	73	

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AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Jul 20, 2018

SAMPLE TYPE: Drill Core

Certified By:



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AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018		DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu		
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05		
E6561919 (9339653)	3.84	2.73	0.89	8.95	16.9	3.63	2	2	0.85	<0.2	0.63	4.7	15	0.39		
E6561920 (9339654)	3.88	2.61	0.92	9.21	16.9	3.57	2	2	0.85	<0.2	0.86	4.6	23	0.38		
E6561921 (9339655)	3.72	2.50	2.08	10.3	17.1	3.30	2	2	0.82	<0.2	0.90	3.5	35	0.37		
E6561922 (9339656)	4.38	2.94	1.15	7.98	18.1	4.30	2	3	0.95	<0.2	1.26	9.7	24	0.43		
E6561923 (9339657)	5.14	3.55	1.32	10.1	20.7	5.04	2	3	1.13	<0.2	1.67	9.7	33	0.51		
E6561924 (9339658)	5.54	3.68	1.32	9.50	20.7	5.25	2	3	1.21	<0.2	1.41	10.6	29	0.51		
E6561925 (9339659)	5.18	3.45	1.50	10.8	17.2	4.96	2	3	1.14	<0.2	0.90	7.7	17	0.48		
E6561926 (9339660)	3.00	1.95	0.97	3.21	11.6	4.25	1	4	0.64	0.2	3.17	35.2	<10	0.27		
E6561927 (9339661)	4.88	3.21	1.46	11.6	18.5	4.30	2	3	1.07	<0.2	1.09	6.5	15	0.50		
E6561928 (9339662)	5.71	3.56	1.37	9.33	19.5	5.32	2	3	1.23	<0.2	0.89	7.5	13	0.54		
E6561929 (9339663)	5.31	3.57	1.42	9.42	18.6	4.78	2	3	1.15	<0.2	0.93	7.1	14	0.53		
E6561930 (9339664)	5.36	3.51	1.11	9.85	19.2	4.85	2	3	1.13	<0.2	1.00	7.1	17	0.51		
E6561931 (9339665)	5.20	3.55	1.85	11.2	20.4	4.85	2	3	1.13	<0.2	1.03	7.4	16	0.51		
E6561932 (9339666)	0.26	0.19	0.09	0.22	0.32	0.27	1	<1	0.05	<0.2	0.06	1.2	<10	<0.05		
E6561933 (9339667)	3.76	2.55	0.91	9.92	18.1	3.47	2	2	0.82	<0.2	1.08	4.6	16	0.36		
E6561934 (9339668)	4.00	2.79	0.96	9.09	18.2	3.72	2	2	0.89	<0.2	1.29	5.1	12	0.39		
E6561935 (9339669)	4.10	2.85	1.03	8.52	18.2	3.73	2	2	0.89	<0.2	0.89	5.1	<10	0.41		
E6561936 (9339670)	3.83	2.63	1.10	8.84	18.5	3.58	2	2	0.87	<0.2	1.18	5.5	15	0.37		
E6561937 (9339671)	3.94	2.55	0.95	8.80	18.7	3.66	2	2	0.88	<0.2	1.15	4.9	19	0.37		
E6561938 (9339672)	3.84	2.56	0.93	8.90	18.5	3.60	2	2	0.84	<0.2	1.18	4.8	18	0.37		
E6561939 (9339673)	4.07	2.77	0.94	9.31	18.0	3.65	2	2	0.90	<0.2	1.09	4.6	22	0.40		
E6561940 (9339674)	4.11	2.72	1.00	9.18	17.5	3.47	2	2	0.85	<0.2	1.03	4.5	23	0.38		
E6561941 (9339675)	3.94	2.61	1.00	9.35	17.5	3.66	2	2	0.82	<0.2	0.96	4.3	30	0.38		
E6561942 (9339676)	3.97	2.70	0.91	9.41	16.5	3.48	2	2	0.87	<0.2	0.92	4.3	21	0.40		
E6561943 (9339677)	4.10	2.72	1.07	9.22	17.9	3.72	2	2	0.89	<0.2	0.99	4.9	18	0.41		
E6561944 (9339678)	4.17	2.68	1.49	9.50	17.5	4.41	2	2	0.91	<0.2	0.95	6.9	48	0.35		
E6561945 (9339679)	3.79	2.50	1.18	7.79	16.4	3.51	2	2	0.79	<0.2	2.16	6.2	60	0.34		
E6561946 (9339680)	2.96	1.94	0.95	3.24	11.4	4.31	1	4	0.59	0.2	3.21	34.5	<10	0.28		
E6561947 (9339681)	2.84	1.84	1.09	7.61	13.4	3.55	2	2	0.60	<0.2	0.86	10.4	57	0.23		
E6561948 (9339682)	2.65	1.62	1.07	7.11	12.2	3.83	1	2	0.54	<0.2	0.47	13.4	46	0.21		
E6561949 (9339683)	2.71	1.62	1.05	7.38	12.3	3.74	1	2	0.55	<0.2	0.50	10.9	55	0.20		
E6561950 (9339684)	2.73	1.56	1.00	7.47	13.7	3.45	2	2	0.50	<0.2	0.93	12.5	90	0.20		

Certified By:



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AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6561951 (9339685)	2.67	1.44	0.99	6.86	12.1	3.45	1	2	0.51	<0.2	0.49	10.1	46	0.21	
E6561952 (9339686)	0.21	0.13	<0.05	0.16	0.25	0.19	<1	<1	0.05	<0.2	<0.05	1.3	<10	<0.05	
E6561953 (9339687)	2.20	1.27	0.93	6.53	10.7	3.31	1	2	0.47	<0.2	0.58	10.9	42	0.17	
E6561954 (9339688)	2.42	1.40	0.99	6.99	11.8	3.42	1	2	0.48	<0.2	0.41	14.3	37	0.19	
E6561955 (9339689)	2.65	1.58	1.00	6.89	12.9	3.73	2	2	0.51	<0.2	0.37	15.1	33	0.21	
E6561956 (9339690)	5.29	3.57	1.31	9.05	18.5	5.01	2	3	1.16	<0.2	0.99	8.8	19	0.50	
E6561957 (9339691)	5.23	3.72	1.44	10.3	18.3	4.99	2	3	1.18	<0.2	0.69	8.0	18	0.51	
E6561958 (9339692)	5.23	3.42	4.14	9.97	18.2	4.81	2	3	1.12	<0.2	0.66	8.0	17	0.52	
E6561959 (9339693)	5.20	3.56	1.32	10.6	18.9	4.97	2	3	1.16	<0.2	0.89	7.2	18	0.54	
E6561960 (9339694)	5.13	3.52	1.24	10.6	18.6	4.73	2	3	1.16	<0.2	0.71	7.1	17	0.49	
E6561961 (9339695)	5.54	3.73	1.41	9.38	18.4	5.27	2	3	1.19	<0.2	0.95	8.2	22	0.49	
E6561962 (9339696)	4.29	2.14	2.26	8.33	17.1	7.55	2	4	0.79	<0.2	0.44	30.8	27	0.24	
E6561963 (9339697)	4.34	2.10	2.50	8.16	17.4	8.00	1	4	0.78	<0.2	0.45	33.1	28	0.26	
E6561964 (9339698)	5.56	3.58	1.44	9.67	18.4	5.33	2	3	1.19	<0.2	0.94	10.8	23	0.52	
E6561965 (9339699)	4.93	3.22	1.49	9.49	17.8	5.22	2	3	1.05	<0.2	0.87	11.4	26	0.44	
E6561966 (9339700)	3.20	1.89	0.93	3.38	11.6	4.37	2	4	0.62	0.2	3.17	36.1	<10	0.29	
E6561967 (9339701)	4.86	3.15	1.46	9.26	16.7	5.25	1	3	1.01	<0.2	0.34	13.5	28	0.43	
E6561968 (9339702)	4.53	2.63	1.76	8.17	16.8	6.21	1	3	0.89	<0.2	0.64	21.4	24	0.31	
E6561969 (9339703)	4.48	2.20	2.37	9.55	16.9	7.57	1	4	0.80	<0.2	0.51	29.5	31	0.26	
E6561970 (9339704)	3.48	1.73	1.74	10.0	16.5	5.84	1	3	0.63	<0.2	0.52	22.0	35	0.20	
E6561971 (9339705)	3.75	2.01	1.85	8.34	15.5	6.25	1	3	0.70	<0.2	0.55	27.3	30	0.23	
E6561972 (9339706)	0.25	0.16	<0.05	0.19	0.29	0.23	<1	<1	<0.05	<0.2	<0.05	1.3	<10	<0.05	
E6561973 (9339707)	5.20	3.41	1.42	9.40	19.9	4.97	2	3	1.11	<0.2	0.59	9.6	12	0.54	
E6561974 (9339708)	4.35	2.52	1.66	9.08	15.8	5.94	1	3	0.82	<0.2	0.59	17.4	31	0.30	
E6561975 (9339709)	5.55	3.70	1.30	10.4	19.2	5.47	2	3	1.22	<0.2	0.74	8.1	16	0.52	
E6561976 (9339710)	6.01	3.96	1.39	9.98	19.3	5.35	2	3	1.26	<0.2	0.70	8.4	16	0.57	
E6561977 (9339711)	4.91	2.86	1.68	8.41	18.5	6.07	2	3	0.98	<0.2	0.65	16.7	17	0.37	
E6561978 (9339712)	4.99	2.90	1.68	8.37	18.2	6.06	2	4	0.97	<0.2	0.65	16.6	19	0.40	
E6561979 (9339713)	5.86	3.88	1.28	9.32	18.4	4.99	2	3	1.25	<0.2	0.73	7.2	17	0.55	
E6561980 (9339714)	6.01	3.96	1.28	9.59	19.1	5.37	2	3	1.27	<0.2	0.60	7.8	12	0.57	
E6561981 (9339715)	5.36	3.41	1.31	9.37	18.9	4.92	2	3	1.17	<0.2	0.77	7.2	10	0.47	
E6561982 (9339716)	5.11	3.36	1.24	9.49	18.4	4.84	2	3	1.10	<0.2	0.51	7.1	<10	0.51	

Certified By: _____



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Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Jul 20, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018		DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %	
E6561919 (9339653)		4.03	1590	18	3	8.9	108	0.04	13	1.76	30.5	0.02	0.3	39	21.7	
E6561920 (9339654)		4.12	1650	11	3	8.9	109	0.04	15	1.74	41.3	0.10	0.5	40	21.5	
E6561921 (9339655)		4.67	1720	7	3	7.5	106	0.04	128	1.42	53.1	0.20	0.4	40	21.1	
E6561922 (9339656)		2.71	1510	14	5	14.0	88	0.05	23	3.05	74.9	0.18	0.6	35	23.5	
E6561923 (9339657)		2.83	1890	11	6	16.0	82	0.06	7	3.28	93.9	0.32	0.5	39	21.5	
E6561924 (9339658)		2.62	1930	9	6	16.3	88	0.07	9	3.45	80.1	0.30	1.0	39	21.8	
E6561925 (9339659)		2.81	2090	31	4	13.6	89	0.06	44	2.65	54.9	0.41	0.8	35	22.1	
E6561926 (9339660)		2.57	462	12	8	30.6	169	0.07	15	8.10	111	1.43	1.6	7	25.7	
E6561927 (9339661)		3.10	1990	32	5	12.1	82	0.05	40	2.36	50.2	0.87	0.6	37	20.8	
E6561928 (9339662)		2.65	1850	11	5	14.0	94	0.07	38	2.81	44.0	0.21	0.7	42	22.0	
E6561929 (9339663)		2.69	1900	8	5	12.7	87	0.06	67	2.54	47.5	0.29	0.7	38	22.0	
E6561930 (9339664)		2.57	2020	9	5	13.3	90	0.06	9	2.64	56.4	0.19	0.5	40	22.0	
E6561931 (9339665)		2.65	2280	6	4	13.1	84	0.05	24	2.58	54.3	0.36	1.0	37	20.9	
E6561932 (9339666)		2.85	81	<2	<1	1.0	7	0.01	<5	0.22	1.1	<0.01	<0.1	<5	5.53	
E6561933 (9339667)		2.58	2170	5	3	8.6	94	0.05	47	1.67	53.5	0.56	0.9	42	21.5	
E6561934 (9339668)		2.56	1980	11	3	9.6	117	0.04	52	1.84	54.8	0.20	0.4	43	21.5	
E6561935 (9339669)		2.40	1940	16	3	9.5	141	0.05	67	1.91	32.2	0.07	0.5	40	22.1	
E6561936 (9339670)		3.05	1780	10	3	9.0	141	0.05	52	1.77	43.6	0.26	0.9	41	21.8	
E6561937 (9339671)		3.23	1820	17	3	9.1	131	0.04	152	1.87	50.4	0.16	0.5	42	22.0	
E6561938 (9339672)		3.21	1800	18	3	9.3	130	0.05	137	1.81	51.2	0.14	0.5	42	21.9	
E6561939 (9339673)		4.11	1850	5	3	9.0	113	0.04	24	1.73	54.1	0.14	0.3	41	21.7	
E6561940 (9339674)		3.94	1690	7	3	8.4	116	0.04	236	1.63	41.8	0.15	0.3	40	21.3	
E6561941 (9339675)		3.87	1700	9	3	8.4	112	0.04	34	1.59	46.1	0.23	0.4	40	21.7	
E6561942 (9339676)		3.99	1740	4	3	8.7	109	0.05	9	1.66	40.5	0.11	0.4	40	21.8	
E6561943 (9339677)		3.60	1600	4	3	9.0	111	0.04	<5	1.74	40.3	0.06	0.5	39	21.2	
E6561944 (9339678)		4.88	1320	2	3	11.1	133	0.04	<5	2.29	34.2	0.22	0.3	41	20.9	
E6561945 (9339679)		4.38	1200	2	3	9.5	109	0.04	<5	2.10	60.7	0.09	0.4	41	22.3	
E6561946 (9339680)		2.61	459	12	8	30.6	165	0.06	14	8.01	110	1.40	1.6	7	26.0	
E6561947 (9339681)		8.22	1250	2	3	15.0	415	0.13	6	3.25	18.2	0.12	0.2	24	21.0	
E6561948 (9339682)		9.32	1460	<2	3	18.2	489	0.14	19	3.95	12.7	<0.01	0.2	26	21.1	
E6561949 (9339683)		9.73	1450	2	3	16.3	504	0.13	9	3.55	12.4	0.02	0.2	25	20.9	
E6561950 (9339684)		10.7	1230	<2	3	16.8	605	0.14	<5	3.72	20.4	<0.01	0.2	28	20.2	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561951 (9339685)	10.3	1390	<2	3	15.4	572	0.13	<5	3.36	12.1	<0.01	0.2	25	20.8	
E6561952 (9339686)	2.23	69	<2	<1	1.0	<5	<0.01	<5	0.24	0.5	<0.01	<0.1	<5	3.47	
E6561953 (9339687)	10.8	1370	<2	2	15.2	607	0.12	11	3.33	14.4	<0.01	0.2	24	20.9	
E6561954 (9339688)	10.4	1480	4	3	17.1	557	0.13	14	3.84	9.5	<0.01	0.2	25	21.1	
E6561955 (9339689)	8.49	1430	12	3	18.1	415	0.14	6	4.19	8.3	<0.01	0.2	24	22.0	
E6561956 (9339690)	3.76	1670	9	5	13.7	89	0.06	12	2.81	36.6	0.12	0.7	40	22.3	
E6561957 (9339691)	3.66	1480	16	5	13.7	79	0.06	25	2.75	22.7	0.66	1.9	40	21.6	
E6561958 (9339692)	3.70	1440	18	5	13.4	78	0.06	21	2.68	21.4	0.70	1.9	39	22.2	
E6561959 (9339693)	3.52	1620	5	5	13.2	75	0.06	11	2.59	33.6	0.25	0.7	41	21.3	
E6561960 (9339694)	3.66	1610	4	5	12.9	72	0.06	<5	2.63	32.2	0.18	0.5	40	21.7	
E6561961 (9339695)	3.64	1570	5	5	14.8	88	0.07	19	2.99	33.8	0.24	0.5	42	21.8	
E6561962 (9339696)	5.50	1240	2	7	42.5	203	0.22	7	9.37	10.1	0.05	0.8	22	22.2	
E6561963 (9339697)	5.98	1250	<2	7	45.8	229	0.22	9	10.2	11.3	<0.01	0.4	22	22.4	
E6561964 (9339698)	4.03	1620	3	5	17.4	84	0.08	10	3.64	29.2	0.21	0.6	39	21.7	
E6561965 (9339699)	4.82	1570	3	5	17.8	103	0.09	6	3.67	25.9	0.09	0.5	37	21.6	
E6561966 (9339700)	2.54	451	12	9	31.4	168	0.07	13	8.32	112	1.41	1.6	7	26.0	
E6561967 (9339701)	4.79	1380	2	5	20.6	114	0.10	23	4.40	8.7	0.56	1.6	32	21.9	
E6561968 (9339702)	4.88	1170	<2	6	30.2	168	0.14	40	6.56	15.0	0.33	1.3	27	22.6	
E6561969 (9339703)	5.72	1280	<2	7	40.4	248	0.24	10	9.13	12.9	0.14	0.7	22	22.4	
E6561970 (9339704)	7.33	1380	<2	5	31.3	348	0.21	<5	7.00	13.5	<0.01	0.7	23	21.4	
E6561971 (9339705)	6.02	1280	<2	6	35.5	271	0.22	12	8.05	13.0	0.07	0.5	20	22.8	
E6561972 (9339706)	2.36	74	<2	<1	1.1	<5	0.01	<5	0.25	0.4	<0.01	<0.1	<5	4.11	
E6561973 (9339707)	3.50	1680	3	5	14.7	67	0.07	6	2.89	23.0	0.25	0.7	36	21.4	
E6561974 (9339708)	6.22	1580	2	6	26.9	275	0.17	9	5.71	23.5	0.09	0.4	27	22.1	
E6561975 (9339709)	3.39	1850	4	5	14.7	78	0.08	12	2.93	39.4	0.16	0.5	40	22.1	
E6561976 (9339710)	3.27	1870	3	5	14.6	75	0.08	6	2.99	40.2	0.23	0.4	40	21.9	
E6561977 (9339711)	4.59	1510	3	6	25.9	190	0.15	13	5.43	22.0	0.13	0.6	29	22.6	
E6561978 (9339712)	4.58	1520	3	6	25.2	190	0.15	13	5.44	21.8	0.13	0.5	30	22.6	
E6561979 (9339713)	2.93	1760	5	5	13.7	84	0.08	12	2.69	31.7	0.23	1.0	41	22.4	
E6561980 (9339714)	2.89	1760	4	5	14.2	86	0.08	7	2.90	23.5	0.31	0.5	40	22.2	
E6561981 (9339715)	3.17	1600	5	5	13.1	99	0.07	6	2.69	34.6	0.12	0.3	40	22.4	
E6561982 (9339716)	3.02	1330	5	5	12.9	92	0.06	7	2.54	22.1	0.05	0.3	35	21.9	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Jul 20, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6561919 (9339653)	2.7	<1	152	<0.5	0.59	0.5	0.67	<0.5	0.39	0.13	276	2	23.1	2.6	
E6561920 (9339654)	2.8	<1	154	<0.5	0.61	0.5	0.67	<0.5	0.37	0.15	287	1	22.6	2.6	
E6561921 (9339655)	2.4	<1	101	<0.5	0.59	0.4	0.66	<0.5	0.36	0.13	279	1	21.2	2.4	
E6561922 (9339656)	3.5	<1	117	<0.5	0.72	1.5	0.69	0.5	0.41	0.34	260	1	25.0	3.0	
E6561923 (9339657)	4.2	<1	100	<0.5	0.83	1.3	0.96	0.6	0.50	0.32	328	2	29.3	3.3	
E6561924 (9339658)	4.4	<1	114	<0.5	0.90	1.4	0.97	0.5	0.52	0.35	329	2	30.6	3.5	
E6561925 (9339659)	3.8	2	115	<0.5	0.82	0.7	0.85	<0.5	0.48	0.23	295	3	30.3	3.2	
E6561926 (9339660)	5.4	2	30.4	0.7	0.60	11.2	0.23	0.7	0.28	6.34	55	4	17.9	1.9	
E6561927 (9339661)	3.5	1	93.4	<0.5	0.80	0.8	0.90	<0.5	0.49	0.30	323	3	28.8	3.3	
E6561928 (9339662)	4.1	<1	126	<0.5	0.87	0.8	0.98	<0.5	0.55	0.24	349	3	32.6	3.7	
E6561929 (9339663)	3.9	2	106	<0.5	0.82	0.8	0.91	<0.5	0.51	0.26	327	2	31.2	3.5	
E6561930 (9339664)	3.9	<1	114	<0.5	0.83	0.8	0.97	<0.5	0.52	0.23	337	2	30.9	3.4	
E6561931 (9339665)	3.8	1	131	<0.5	0.83	0.8	0.89	<0.5	0.50	0.22	338	3	30.6	3.3	
E6561932 (9339666)	0.2	<1	50.8	<0.5	<0.05	0.1	0.01	<0.5	<0.05	0.76	<5	<1	2.3	0.2	
E6561933 (9339667)	2.6	<1	144	<0.5	0.60	0.5	0.66	<0.5	0.35	0.14	297	2	21.9	2.5	
E6561934 (9339668)	2.9	<1	158	<0.5	0.64	0.5	0.72	<0.5	0.38	0.16	300	3	24.1	2.7	
E6561935 (9339669)	2.7	<1	171	<0.5	0.66	0.5	0.70	<0.5	0.39	0.14	282	3	24.2	2.6	
E6561936 (9339670)	2.8	<1	144	<0.5	0.63	0.5	0.72	<0.5	0.37	0.29	293	2	22.4	2.4	
E6561937 (9339671)	2.7	<1	145	<0.5	0.65	0.6	0.72	<0.5	0.38	0.16	303	2	22.7	2.6	
E6561938 (9339672)	2.8	<1	143	<0.5	0.65	0.5	0.72	<0.5	0.38	0.16	300	2	22.8	2.5	
E6561939 (9339673)	2.9	<1	133	<0.5	0.63	0.5	0.71	<0.5	0.40	0.15	294	8	24.3	2.7	
E6561940 (9339674)	2.6	1	125	<0.5	0.61	0.5	0.69	<0.5	0.37	0.20	286	1	23.5	2.6	
E6561941 (9339675)	2.7	<1	203	<0.5	0.63	0.5	0.69	<0.5	0.40	0.16	285	1	23.1	2.7	
E6561942 (9339676)	2.7	<1	182	<0.5	0.60	0.5	0.70	<0.5	0.36	0.14	285	1	23.4	2.7	
E6561943 (9339677)	2.8	<1	219	<0.5	0.66	0.5	0.68	<0.5	0.40	0.16	286	<1	23.8	2.7	
E6561944 (9339678)	3.4	<1	103	<0.5	0.69	0.5	0.69	<0.5	0.37	0.33	287	1	24.3	2.6	
E6561945 (9339679)	3.0	<1	172	<0.5	0.61	0.6	0.70	<0.5	0.35	0.23	282	2	21.3	2.4	
E6561946 (9339680)	5.5	2	30.8	0.6	0.59	11.0	0.24	0.7	0.27	6.31	55	4	17.7	1.7	
E6561947 (9339681)	3.3	<1	237	<0.5	0.53	2.4	0.35	<0.5	0.23	0.61	154	<1	16.1	1.6	
E6561948 (9339682)	3.9	<1	341	<0.5	0.52	2.0	0.37	<0.5	0.21	0.54	160	<1	14.8	1.5	
E6561949 (9339683)	3.6	<1	265	<0.5	0.52	1.8	0.37	<0.5	0.21	0.46	158	<1	15.0	1.3	
E6561950 (9339684)	3.7	<1	88.3	<0.5	0.50	1.9	0.37	<0.5	0.20	0.55	163	<1	14.4	1.3	

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Jul 20, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6561951 (9339685)	3.7	4	239	<0.5	0.52	1.8	0.35	<0.5	0.21	0.44	151	<1	14.4	1.3	
E6561952 (9339686)	0.2	<1	56.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.2	0.1	
E6561953 (9339687)	3.6	<1	208	<0.5	0.43	1.7	0.33	<0.5	0.17	0.43	145	<1	12.1	1.2	
E6561954 (9339688)	3.6	<1	251	<0.5	0.50	1.8	0.35	<0.5	0.20	0.47	154	<1	13.2	1.3	
E6561955 (9339689)	3.9	<1	359	<0.5	0.50	2.2	0.37	<0.5	0.22	0.63	153	<1	14.3	1.5	
E6561956 (9339690)	4.0	<1	247	<0.5	0.86	0.8	0.96	<0.5	0.50	0.25	334	2	30.9	3.3	
E6561957 (9339691)	4.0	<1	283	<0.5	0.89	0.8	0.95	<0.5	0.50	0.24	326	2	31.1	3.4	
E6561958 (9339692)	3.9	<1	280	<0.5	0.83	0.8	0.93	<0.5	0.50	0.24	322	2	30.8	3.4	
E6561959 (9339693)	3.9	1	233	<0.5	0.85	0.8	0.97	<0.5	0.50	0.22	338	4	31.9	3.5	
E6561960 (9339694)	3.8	1	220	<0.5	0.83	0.8	0.94	<0.5	0.51	0.20	328	1	30.9	3.3	
E6561961 (9339695)	4.0	<1	255	<0.5	0.87	0.9	0.99	<0.5	0.51	0.28	342	2	31.9	3.6	
E6561962 (9339696)	8.6	122	246	<0.5	0.94	3.2	0.80	<0.5	0.26	0.79	169	1	21.1	1.7	
E6561963 (9339697)	9.0	1	313	<0.5	1.00	3.4	0.78	<0.5	0.27	0.87	161	<1	20.8	1.7	
E6561964 (9339698)	4.7	2	345	<0.5	0.88	1.1	0.97	<0.5	0.50	0.30	321	2	31.8	3.5	
E6561965 (9339699)	4.6	<1	275	<0.5	0.85	1.3	0.86	<0.5	0.43	0.37	290	2	28.2	3.0	
E6561966 (9339700)	5.5	2	30.5	0.7	0.64	11.2	0.23	0.7	0.29	6.60	55	4	18.5	1.9	
E6561967 (9339701)	5.0	<1	113	<0.5	0.82	1.5	0.83	<0.5	0.41	0.42	262	5	27.0	2.8	
E6561968 (9339702)	6.6	1	196	<0.5	0.89	2.4	0.76	<0.5	0.34	0.65	215	5	24.3	2.2	
E6561969 (9339703)	8.7	1	253	<0.5	0.97	3.4	0.72	<0.5	0.28	0.92	178	1	22.1	1.9	
E6561970 (9339704)	6.8	1	197	<0.5	0.79	2.9	0.60	<0.5	0.22	0.70	171	<1	17.7	1.5	
E6561971 (9339705)	7.2	1	282	<0.5	0.83	3.3	0.60	<0.5	0.25	0.80	162	<1	19.0	1.6	
E6561972 (9339706)	0.2	<1	54.4	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.3	0.1	
E6561973 (9339707)	4.1	<1	398	<0.5	0.87	0.8	0.89	<0.5	0.49	0.33	301	2	31.3	3.5	
E6561974 (9339708)	6.1	1	275	<0.5	0.82	2.2	0.74	<0.5	0.32	0.57	204	<1	23.3	2.3	
E6561975 (9339709)	4.1	1	215	<0.5	0.88	0.9	0.97	<0.5	0.53	0.25	330	1	32.5	3.6	
E6561976 (9339710)	4.1	2	208	<0.5	0.93	0.9	1.00	<0.5	0.57	0.24	338	1	34.6	3.7	
E6561977 (9339711)	6.1	1	301	<0.5	0.90	2.0	0.81	<0.5	0.40	0.57	239	1	26.6	2.7	
E6561978 (9339712)	5.9	1	299	<0.5	0.93	2.1	0.81	<0.5	0.41	0.61	237	1	26.4	2.5	
E6561979 (9339713)	4.2	1	201	<0.5	0.88	0.9	1.00	<0.5	0.52	0.25	336	2	32.9	3.7	
E6561980 (9339714)	4.2	<1	195	<0.5	0.94	0.9	0.99	<0.5	0.56	0.25	329	2	35.0	3.7	
E6561981 (9339715)	3.8	1	190	<0.5	0.86	0.8	0.96	<0.5	0.50	0.22	338	1	31.5	3.4	
E6561982 (9339716)	3.8	<1	174	<0.5	0.85	0.7	0.93	<0.5	0.50	0.21	294	<1	30.8	3.4	

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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CANADA L4Z 1N9
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Jul 20, 2018

SAMPLE TYPE: Drill Core

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Jul 20, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6561919 (9339653)		91	67.2
E6561920 (9339654)		83	63.5
E6561921 (9339655)		327	59.5
E6561922 (9339656)		83	109
E6561923 (9339657)		87	124
E6561924 (9339658)		78	125
E6561925 (9339659)		101	90.2
E6561926 (9339660)		7	159
E6561927 (9339661)		173	96.1
E6561928 (9339662)		92	106
E6561929 (9339663)		188	100
E6561930 (9339664)		89	103
E6561931 (9339665)		100	95.4
E6561932 (9339666)		<5	3.0
E6561933 (9339667)		114	68.7
E6561934 (9339668)		107	70.9
E6561935 (9339669)		93	69.8
E6561936 (9339670)		104	72.0
E6561937 (9339671)		185	72.1
E6561938 (9339672)		163	72.6
E6561939 (9339673)		99	71.2
E6561940 (9339674)		142	69.3
E6561941 (9339675)		98	67.8
E6561942 (9339676)		96	68.1
E6561943 (9339677)		92	66.6
E6561944 (9339678)		102	67.6
E6561945 (9339679)		79	68.7
E6561946 (9339680)		7	158
E6561947 (9339681)		127	76.8
E6561948 (9339682)		141	69.0
E6561949 (9339683)		132	64.7
E6561950 (9339684)		138	63.8

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AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Jul 20, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6561951 (9339685)		149	61.3
E6561952 (9339686)		<5	1.8
E6561953 (9339687)		143	55.7
E6561954 (9339688)		163	60.9
E6561955 (9339689)		168	77.9
E6561956 (9339690)		125	102
E6561957 (9339691)		123	99.7
E6561958 (9339692)		117	97.5
E6561959 (9339693)		124	101
E6561960 (9339694)		118	97.9
E6561961 (9339695)		122	106
E6561962 (9339696)		131	147
E6561963 (9339697)		145	152
E6561964 (9339698)		127	112
E6561965 (9339699)		136	103
E6561966 (9339700)		<5	161
E6561967 (9339701)		144	106
E6561968 (9339702)		133	126
E6561969 (9339703)		150	147
E6561970 (9339704)		166	119
E6561971 (9339705)		149	134
E6561972 (9339706)		<5	2.5
E6561973 (9339707)		127	99.6
E6561974 (9339708)		186	120
E6561975 (9339709)		123	107
E6561976 (9339710)		112	112
E6561977 (9339711)		123	126
E6561978 (9339712)		123	127
E6561979 (9339713)		96	109
E6561980 (9339714)		114	113
E6561981 (9339715)		104	103
E6561982 (9339716)		106	99.1

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AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Jul 20, 2018

SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Jul 20, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561919 (9339653)		89
E6561937 (9339671)		84
E6561957 (9339691)		80
E6561977 (9339711)		82

Comments: RDL - Reported Detection Limit

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 18T352000

PROJECT: DDH-134B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018	DATE REPORTED: Jul 20, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561919 (9339653)		88.5
E6561949 (9339683)		95.0

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339653	< 1	< 1	0.0%	9339664	< 1	< 1	0.0%	9339676	< 1	< 1	0.0%	9339678	< 1	< 1	0.0%
Al	9339653	7.72	7.71	0.1%	9339664	7.68	7.65	0.4%	9339676	7.83	7.88	0.6%	9339678	7.75	7.87	1.5%
As	9339653	< 5	< 5	0.0%	9339664	< 5	< 5	0.0%	9339676	12	12	0.0%	9339678	29	31	6.7%
B	9339653	< 20	< 20	0.0%	9339664	< 20	< 20	0.0%	9339676	24	21	13.3%	9339678	< 20	< 20	0.0%
Ba	9339653	124	124	0.0%	9339664	217	215	0.9%	9339676	215	217	0.9%	9339678	161	160	0.6%
Be	9339653	< 5	< 5	0.0%	9339664	< 5	< 5	0.0%	9339676	< 5	< 5	0.0%	9339678	< 5	< 5	0.0%
Bi	9339653	0.13	0.16	20.7%	9339664	0.1	0.1	0.0%	9339676	0.3	0.3	0.0%	9339678	0.3	0.3	0.0%
Ca	9339653	7.41	7.47	0.8%	9339664	7.33	7.17	2.2%	9339676	5.92	6.02	1.7%	9339678	4.12	4.34	5.2%
Cd	9339653	< 0.2	< 0.2	0.0%	9339664	< 0.2	< 0.2	0.0%	9339676	< 0.2	< 0.2	0.0%	9339678	< 0.2	< 0.2	0.0%
Ce	9339653	11.9	12.0	0.8%	9339664	18.4	18.1	1.6%	9339676	11.2	11.2	0.0%	9339678	16.3	17.2	5.4%
Co	9339653	48.8	49.8	2.0%	9339664	46.8	48.0	2.5%	9339676	47.2	47.2	0.0%	9339678	81.9	85.9	4.8%
Cr	9339653	0.021	0.021	0.0%	9339664	0.019	0.019	0.0%	9339676	0.021	0.021	0.0%	9339678	0.021	0.021	0.0%
Cs	9339653	1.83	1.75	4.5%	9339664	4.7	4.7	0.0%	9339676	1.3	1.3	0.0%	9339678	1.73	1.78	2.8%
Cu	9339653	45	50	10.5%	9339664	102	100	2.0%	9339676	107	108	0.9%	9339678	496	521	4.9%
Dy	9339653	3.84	3.77	1.8%	9339664	5.36	5.40	0.7%	9339676	3.97	4.01	1.0%	9339678	4.17	4.43	6.0%
Er	9339653	2.73	2.64	3.4%	9339664	3.51	3.55	1.1%	9339676	2.70	2.78	2.9%	9339678	2.68	2.60	3.0%
Eu	9339653	0.89	0.86	3.4%	9339664	1.11	1.27	13.4%	9339676	0.91	0.98	7.4%	9339678	1.49	1.54	3.3%
Fe	9339653	8.95	9.06	1.2%	9339664	9.85	9.64	2.2%	9339676	9.41	9.63	2.3%	9339678	9.50	9.69	2.0%
Ga	9339653	16.9	16.7	1.2%	9339664	19.2	19.3	0.5%	9339676	16.5	16.8	1.8%	9339678	17.5	18.1	3.4%
Gd	9339653	3.63	3.43	5.7%	9339664	4.85	4.90	1.0%	9339676	3.48	3.60	3.4%	9339678	4.41	4.20	4.9%
Ge	9339653	2	2	0.0%	9339664	2	2	0.0%	9339676	2	2	0.0%	9339678	2	2	0.0%
Hf	9339653	2	2	0.0%	9339664	3	3	0.0%	9339676	2	2	0.0%	9339678	2	2	0.0%
Ho	9339653	0.851	0.843	0.9%	9339664	1.13	1.15	1.8%	9339676	0.87	0.82	5.9%	9339678	0.91	0.91	0.0%
In	9339653	< 0.2	< 0.2	0.0%	9339664	< 0.2	< 0.2	0.0%	9339676	< 0.2	< 0.2	0.0%	9339678	< 0.2	< 0.2	0.0%
K	9339653	0.63	0.64	1.6%	9339664	1.00	1.01	1.0%	9339676	0.92	0.91	1.1%	9339678	0.95	0.92	3.2%
La	9339653	4.68	4.63	1.1%	9339664	7.14	7.18	0.6%	9339676	4.3	4.2	2.4%	9339678	6.9	7.4	7.0%
Li	9339653	15	17	12.5%	9339664	17	17	0.0%	9339676	21	20	4.9%	9339678	48	50	4.1%
Lu	9339653	0.39	0.37	5.3%	9339664	0.513	0.526	2.5%	9339676	0.396	0.378	4.7%	9339678	0.35	0.37	5.6%
Mg	9339653	4.03	4.07	1.0%	9339664	2.57	2.51	2.4%	9339676	3.99	3.92	1.8%	9339678	4.88	4.84	0.8%
Mn	9339653	1590	1600	0.6%	9339664	2020	2000	1.0%	9339676	1740	1740	0.0%	9339678	1320	1330	0.8%
Mo	9339653	18	15	18.2%	9339664	9	8	11.8%	9339676	4	3	28.6%	9339678	2	2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9339653	3	3	0.0%	9339664	5	5	0.0%	9339676	3	3	0.0%	9339678	3	3	0.0%
Nd	9339653	8.93	8.97	0.4%	9339664	13.3	13.1	1.5%	9339676	8.7	8.7	0.0%	9339678	11.1	11.5	3.5%
Ni	9339653	108	104	3.8%	9339664	90	83	8.1%	9339676	109	104	4.7%	9339678	133	136	2.2%
P	9339653	0.04	0.04	0.0%	9339664	0.06	0.06	0.0%	9339676	0.05	0.05	0.0%	9339678	0.04	0.04	0.0%
Pb	9339653	13	13	0.0%	9339664	9	8	11.8%	9339676	9	10	10.5%	9339678	< 5	< 5	0.0%
Pr	9339653	1.76	1.74	1.1%	9339664	2.64	2.62	0.8%	9339676	1.66	1.67	0.6%	9339678	2.29	2.42	5.5%
Rb	9339653	30.5	30.5	0.0%	9339664	56.4	56.6	0.4%	9339676	40.5	40.7	0.5%	9339678	34.2	33.4	2.4%
S	9339653	0.02	0.02	0.0%	9339664	0.193	0.197	2.1%	9339676	0.115	0.115	0.0%	9339678	0.22	0.23	4.4%
Sb	9339653	0.3	0.3	0.0%	9339664	0.5	0.5	0.0%	9339676	0.4	0.4	0.0%	9339678	0.3	0.3	0.0%
Sc	9339653	39	39	0.0%	9339664	40	39	2.5%	9339676	40	40	0.0%	9339678	41	40	2.5%
Si	9339653	21.7	21.8	0.5%	9339664	22.0	21.9	0.5%	9339676	21.8	22.0	0.9%	9339678	20.9	21.1	1.0%
Sm	9339653	2.7	2.8	3.6%	9339664	3.9	3.9	0.0%	9339676	2.7	2.6	3.8%	9339678	3.4	3.4	0.0%
Sn	9339653	< 1	< 1	0.0%	9339664	< 1	1		9339676	< 1	< 1	0.0%	9339678	< 1	< 1	0.0%
Sr	9339653	152	152	0.0%	9339664	114	114	0.0%	9339676	182	178	2.2%	9339678	103	105	1.9%
Ta	9339653	< 0.5	< 0.5	0.0%	9339664	< 0.5	< 0.5	0.0%	9339676	< 0.5	< 0.5	0.0%	9339678	< 0.5	< 0.5	0.0%
Tb	9339653	0.589	0.608	3.2%	9339664	0.833	0.896	7.3%	9339676	0.602	0.618	2.6%	9339678	0.692	0.749	7.9%
Th	9339653	0.5	0.5	0.0%	9339664	0.84	0.87	3.5%	9339676	0.5	0.5	0.0%	9339678	0.5	0.5	0.0%
Ti	9339653	0.67	0.67	0.0%	9339664	0.97	0.97	0.0%	9339676	0.695	0.691	0.6%	9339678	0.69	0.70	1.4%
Tl	9339653	< 0.5	< 0.5	0.0%	9339664	< 0.5	< 0.5	0.0%	9339676	< 0.5	< 0.5	0.0%	9339678	< 0.5	< 0.5	0.0%
Tm	9339653	0.39	0.39	0.0%	9339664	0.522	0.502	3.9%	9339676	0.362	0.377	4.1%	9339678	0.37	0.37	0.0%
U	9339653	0.13	0.12	8.0%	9339664	0.23	0.23	0.0%	9339676	0.14	0.14	0.0%	9339678	0.33	0.33	0.0%
V	9339653	276	276	0.0%	9339664	337	330	2.1%	9339676	285	283	0.7%	9339678	287	287	0.0%
W	9339653	2	3		9339664	2	2	0.0%	9339676	1	1	0.0%	9339678	1	1	0.0%
Y	9339653	23.1	22.6	2.2%	9339664	30.9	30.7	0.6%	9339676	23.4	23.2	0.9%	9339678	24.3	24.5	0.8%
Yb	9339653	2.6	2.6	0.0%	9339664	3.39	3.34	1.5%	9339676	2.66	2.65	0.4%	9339678	2.6	2.6	0.0%
Zn	9339653	91	85	6.8%	9339664	89	90	1.1%	9339676	96	98	2.1%	9339678	102	104	1.9%
Zr	9339653	67.2	65.3	2.9%	9339664	103	104	1.0%	9339676	68.1	68.3	0.3%	9339678	67.6	67.8	0.3%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339688	< 1	< 1	0.0%	9339701	< 1	< 1	0.0%	9339703	< 1	< 1	0.0%	9339712	< 1	< 1	0.0%
Al	9339688	5.18	5.15	0.6%	9339701	6.73	6.63	1.5%	9339703	6.64	6.64	0.0%	9339712	6.81	6.74	1.0%
As	9339688	< 5	< 5	0.0%	9339701	27	26	3.8%	9339703	10	8	22.2%	9339712	< 5	< 5	0.0%
B	9339688	< 20	< 20	0.0%	9339701	< 20	< 20	0.0%	9339703	< 20	< 20	0.0%	9339712	< 20	< 20	0.0%
Ba	9339688	183	182	0.5%	9339701	313	314	0.3%	9339703	141	133	5.8%	9339712	270	271	0.4%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9339688	< 5	< 5	0.0%	9339701	< 5	< 5	0.0%	9339703	< 5	< 5	0.0%	9339712	< 5	< 5	0.0%
Bi	9339688	0.1	0.1	0.0%	9339701	0.5	0.5	0.0%	9339703	< 0.1	< 0.1	0.0%	9339712	0.2	0.2	0.0%
Ca	9339688	5.85	5.82	0.5%	9339701	4.24	4.22	0.5%	9339703	4.62	4.70	1.7%	9339712	5.73	5.65	1.4%
Cd	9339688	< 0.2	< 0.2	0.0%	9339701	< 0.2	< 0.2	0.0%	9339703	< 0.2	< 0.2	0.0%	9339712	< 0.2	< 0.2	0.0%
Ce	9339688	30.6	31.2	1.9%	9339701	32.1	32.0	0.3%	9339703	67.8	69.5	2.5%	9339712	39.8	38.9	2.3%
Co	9339688	59.4	59.8	0.7%	9339701	54.6	53.3	2.4%	9339703	53.3	47.6	11.3%	9339712	48.0	46.3	3.6%
Cr	9339688	0.134	0.132	1.5%	9339701	0.021	0.021	0.0%	9339703	0.0379	0.0387	2.1%	9339712	0.0323	0.0326	0.9%
Cs	9339688	0.9	0.9	0.0%	9339701	0.6	0.6	0.0%	9339703	0.69	0.64	7.5%	9339712	1.04	1.05	1.0%
Cu	9339688	32	34	6.1%	9339701	43	42	2.4%	9339703	120	134	11.0%	9339712	92	94	2.2%
Dy	9339688	2.42	2.48	2.4%	9339701	4.86	4.73	2.7%	9339703	4.48	4.41	1.6%	9339712	4.99	4.77	4.5%
Er	9339688	1.40	1.54	9.5%	9339701	3.15	2.94	6.9%	9339703	2.20	2.19	0.5%	9339712	2.90	2.75	5.3%
Eu	9339688	0.993	0.996	0.3%	9339701	1.46	1.47	0.7%	9339703	2.37	2.24	5.6%	9339712	1.68	1.66	1.2%
Fe	9339688	6.99	6.96	0.4%	9339701	9.26	9.21	0.5%	9339703	9.55	9.64	0.9%	9339712	8.37	8.26	1.3%
Ga	9339688	11.8	11.7	0.9%	9339701	16.7	16.6	0.6%	9339703	16.9	17.0	0.6%	9339712	18.2	18.0	1.1%
Gd	9339688	3.42	3.32	3.0%	9339701	5.25	5.46	3.9%	9339703	7.57	7.67	1.3%	9339712	6.06	5.91	2.5%
Ge	9339688	1	2		9339701	1	1	0.0%	9339703	1	1	0.0%	9339712	2	2	0.0%
Hf	9339688	2	2	0.0%	9339701	3	3	0.0%	9339703	4	4	0.0%	9339712	4	4	0.0%
Ho	9339688	0.482	0.509	5.4%	9339701	1.01	0.99	2.0%	9339703	0.803	0.850	5.7%	9339712	0.97	0.96	1.0%
In	9339688	< 0.2	< 0.2	0.0%	9339701	< 0.2	< 0.2	0.0%	9339703	< 0.2	< 0.2	0.0%	9339712	< 0.2	< 0.2	0.0%
K	9339688	0.408	0.401	1.7%	9339701	0.34	0.34	0.0%	9339703	0.508	0.481	5.5%	9339712	0.65	0.64	1.6%
La	9339688	14.3	14.6	2.1%	9339701	13.5	13.5	0.0%	9339703	29.5	30.7	4.0%	9339712	16.6	16.4	1.2%
Li	9339688	37	38	2.7%	9339701	28	28	0.0%	9339703	31	32	3.2%	9339712	19	16	17.1%
Lu	9339688	0.192	0.207	7.5%	9339701	0.431	0.421	2.3%	9339703	0.26	0.26	0.0%	9339712	0.401	0.362	10.2%
Mg	9339688	10.4	10.1	2.9%	9339701	4.79	4.87	1.7%	9339703	5.72	5.82	1.7%	9339712	4.58	4.61	0.7%
Mn	9339688	1480	1480	0.0%	9339701	1380	1380	0.0%	9339703	1280	1300	1.6%	9339712	1520	1530	0.7%
Mo	9339688	4	4	0.0%	9339701	2	2	0.0%	9339703	< 2	< 2	0.0%	9339712	3	3	0.0%
Nb	9339688	3	3	0.0%	9339701	5	5	0.0%	9339703	7	7	0.0%	9339712	6	6	0.0%
Nd	9339688	17.1	17.6	2.9%	9339701	20.6	20.4	1.0%	9339703	40.4	42.2	4.4%	9339712	25.2	24.9	1.2%
Ni	9339688	557	558	0.2%	9339701	114	114	0.0%	9339703	248	243	2.0%	9339712	190	189	0.5%
P	9339688	0.13	0.13	0.0%	9339701	0.10	0.10	0.0%	9339703	0.24	0.24	0.0%	9339712	0.148	0.157	5.9%
Pb	9339688	14	20		9339701	23	23	0.0%	9339703	10	9	10.5%	9339712	13	13	0.0%
Pr	9339688	3.84	3.95	2.8%	9339701	4.40	4.40	0.0%	9339703	9.13	9.27	1.5%	9339712	5.44	5.37	1.3%
Rb	9339688	9.47	9.33	1.5%	9339701	8.7	8.7	0.0%	9339703	12.9	12.3	4.8%	9339712	21.8	21.4	1.9%
S	9339688	< 0.01	< 0.01	0.0%	9339701	0.56	0.56	0.0%	9339703	0.140	0.114	20.5%	9339712	0.13	0.13	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sb	9339688	0.2	0.2	0.0%	9339701	1.6	1.6	0.0%	9339703	0.70	0.77	9.5%	9339712	0.5	0.5	0.0%
Sc	9339688	25	25	0.0%	9339701	32	32	0.0%	9339703	22	23	4.4%	9339712	30	30	0.0%
Si	9339688	21.1	21.0	0.5%	9339701	21.9	21.8	0.5%	9339703	22.4	22.4	0.0%	9339712	22.6	22.2	1.8%
Sm	9339688	3.58	3.65	1.9%	9339701	5.0	5.0	0.0%	9339703	8.71	8.91	2.3%	9339712	5.88	5.72	2.8%
Sn	9339688	< 1	< 1	0.0%	9339701	< 1	1		9339703	1	1	0.0%	9339712	1	1	0.0%
Sr	9339688	251	252	0.4%	9339701	113	113	0.0%	9339703	253	251	0.8%	9339712	299	298	0.3%
Ta	9339688	< 0.5	< 0.5	0.0%	9339701	< 0.5	< 0.5	0.0%	9339703	< 0.5	< 0.5	0.0%	9339712	< 0.5	< 0.5	0.0%
Tb	9339688	0.50	0.46	8.3%	9339701	0.82	0.82	0.0%	9339703	0.974	1.01	3.6%	9339712	0.932	0.872	6.7%
Th	9339688	1.77	1.74	1.7%	9339701	1.5	1.5	0.0%	9339703	3.42	3.32	3.0%	9339712	2.1	2.1	0.0%
Ti	9339688	0.35	0.35	0.0%	9339701	0.827	0.822	0.6%	9339703	0.72	0.72	0.0%	9339712	0.81	0.80	1.2%
Tl	9339688	< 0.5	< 0.5	0.0%	9339701	< 0.5	< 0.5	0.0%	9339703	< 0.5	< 0.5	0.0%	9339712	< 0.5	< 0.5	0.0%
Tm	9339688	0.195	0.182	6.9%	9339701	0.41	0.40	2.5%	9339703	0.28	0.29	3.5%	9339712	0.405	0.387	4.5%
U	9339688	0.473	0.477	0.8%	9339701	0.42	0.38	10.0%	9339703	0.92	0.87	5.6%	9339712	0.606	0.541	11.3%
V	9339688	154	154	0.0%	9339701	262	265	1.1%	9339703	178	182	2.2%	9339712	237	239	0.8%
W	9339688	< 1	< 1	0.0%	9339701	5	5	0.0%	9339703	1	1	0.0%	9339712	1	1	0.0%
Y	9339688	13.2	13.4	1.5%	9339701	27.0	26.8	0.7%	9339703	22.1	21.8	1.4%	9339712	26.4	26.2	0.8%
Yb	9339688	1.3	1.3	0.0%	9339701	2.8	2.8	0.0%	9339703	1.9	1.9	0.0%	9339712	2.51	2.66	5.8%
Zn	9339688	163	168	3.0%	9339701	144	144	0.0%	9339703	150	156	3.9%	9339712	123	122	0.8%
Zr	9339688	60.9	61.8	1.5%	9339701	106	106	0.0%	9339703	147	143	2.8%	9339712	127	125	1.6%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	7.02	110%	90% - 110%					6.39	5.96	93%	90% - 110%
Al	10.95	11.0	101%	90% - 110%	4.30	4.52	105%	90% - 110%	10.95	11.5	105%	90% - 110%	4.30	4.40	102%	90% - 110%
As					2.49	2.72	109%	90% - 110%					2.49	2.03	81%	90% - 110%
Ba	340	321	94%	90% - 110%					340	325	96%	90% - 110%				
Be	2.6	2.7	106%	90% - 110%					2.6	2.8	109%	90% - 110%				
Ca	5.72	5.63	98%	90% - 110%	2.21	2.27	103%	90% - 110%	5.72	5.65	99%	90% - 110%	2.21	2.29	104%	90% - 110%
Ce	122	120	98%	90% - 110%					122	120	99%	90% - 110%				
Co	2.8	2.7	95%	90% - 110%	672	666	99%	90% - 110%	2.8	2.6	93%	90% - 110%	672	657	98%	90% - 110%
Cr					0.032	0.0330	103%	90% - 110%					0.032	0.0335	105%	90% - 110%
Cs	1.5	1.5	101%	90% - 110%					1.5	1.5	103%	90% - 110%				
Cu	7	6	84%	90% - 110%	11850	11300	95%	90% - 110%	7	6.77	97%	90% - 110%	11850	11300	95%	90% - 110%
Dy	18.2	17.9	99%	90% - 110%					18.2	17.9	99%	90% - 110%				
Er	14.2	14.6	103%	90% - 110%					14.2	14.8	104%	90% - 110%				
Eu	2.0	1.9	97%	90% - 110%					2.0	1.9	95%	90% - 110%				
Fe	4.34	4.19	96%	90% - 110%	25.54	25.0	98%	90% - 110%	4.34	4.33	100%	90% - 110%	25.54	25.4	99%	90% - 110%
Ga	35	35	100%	90% - 110%					35	35	99%	90% - 110%				
Gd	14	15	106%	90% - 110%					14	15	106%	90% - 110%				
Hf	10.6	10.8	102%	90% - 110%					10.6	11.3	107%	90% - 110%				
Ho	4.3	4.3	99%	90% - 110%					4.3	4.3	100%	90% - 110%				
K	1.37	1.36	99%	90% - 110%					1.37	1.40	102%	90% - 110%				
La	58	57	98%	90% - 110%					58	57	98%	90% - 110%				
Li	37	38.0	103%	90% - 110%					37	39.9	108%	90% - 110%				
Lu	2.1	2.1	99%	90% - 110%					2.1	2	97%	90% - 110%				
Mg	0.325	0.303	93%	90% - 110%	1.79	1.74	97%	90% - 110%	0.325	0.317	98%	90% - 110%	1.79	1.77	99%	90% - 110%
Mn	836	774	93%	90% - 110%	703	689	98%	90% - 110%	836	824	99%	90% - 110%	703	704	100%	90% - 110%
Nb	13	13	101%	90% - 110%					13	13	102%	90% - 110%				
Nd	57	59	103%	90% - 110%					57	59	103%	90% - 110%				
Ni	9	7.99	89%	90% - 110%	19530	17900	92%	90% - 110%	9	6.82	76%	90% - 110%	19530	18600	95%	90% - 110%
Pb	10	11	111%	90% - 110%	58	54	94%	90% - 110%	10	11	111%	90% - 110%	58	56	96%	90% - 110%
Pr	15.0	14.6	97%	90% - 110%					15.0	14.6	97%	90% - 110%				
Rb	55	55	99%	90% - 110%					55	54	99%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

S					14.14	12.9	91%	90% - 110%					14.14	12.1	86%	90% - 110%
Sc	1.1	0.658	60%	90% - 110%					1.1	0.706	64%	90% - 110%				
Si	23.3	21.6	93%	90% - 110%	15.23	14.4	95%	90% - 110%	23.3	22.2	95%	90% - 110%	15.23	14.5	95%	90% - 110%
Sm	12.7	12.6	99%	90% - 110%					12.7	12.8	101%	90% - 110%				
Sn	7.1	7.6	107%	90% - 110%					7.1	7.3	103%	90% - 110%				
Sr	1191	1230	104%	90% - 110%					1191	1230	103%	90% - 110%				
Ta	0.9	0.8	86%	90% - 110%					0.9	0.8	94%	90% - 110%				
Tb	2.6	2.7	105%	90% - 110%					2.6	2.7	106%	90% - 110%				
Th	1.4	1.3	89%	90% - 110%					1.4	1.2	85%	90% - 110%				
Ti	0.172	0.165	96%	90% - 110%					0.172	0.172	100%	90% - 110%				
Tm	2.3	2.2	96%	90% - 110%					2.3	2.2	98%	90% - 110%				
U	0.8	0.8	99%	90% - 110%					0.8	1	122%	90% - 110%				
V	8	4.80	60%	90% - 110%					8	5.47	68%	90% - 110%				
Y	119	115	97%	90% - 110%					119	115	96%	90% - 110%				
Yb	14.8	14.9	101%	90% - 110%					14.8	15.1	102%	90% - 110%				
Zn	93	92.9	100%	90% - 110%	235	255	108%	90% - 110%	93	95.3	103%	90% - 110%	235	250	106%	90% - 110%
Zr	517	555	107%	90% - 110%					517	561	109%	90% - 110%				



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-134B
 SAMPLING SITE:

AGAT WORK ORDER: 18T352000
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-134B
SAMPLING SITE:

AGAT WORK ORDER: 18T352000
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

PROJECT: DDH-134C

AGAT WORK ORDER: 18T352001

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Aug 08, 2018

PAGES (INCLUDING COVER): 23

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 08, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561983 (9339718)		2.83
E6561984 (9339719)		2.42
E6561985 (9339720)		2.67
E6561986 (9339721)		0.01
E6561987 (9339722)		1.92
E6561988 (9339723)		2.71
E6561989 (9339724)		2.89
E6561990 (9339725)		2.61
E6561991 (9339726)		2.79
E6561992 (9339727)		1.40
E6561993 (9339728)		0.69
E6561994 (9339729)		1.73
E6561995 (9339730)		2.75
E6561996 (9339731)		2.67
E6561997 (9339732)		2.91
E6561998 (9339733)		2.91
E6561999 (9339734)		2.68
E6562000 (9339735)		2.85
E6562001 (9339736)		2.71
E6562002 (9339737)		2.85
E6562003 (9339738)		2.91
E6562004 (9339739)		2.72
E6562005 (9339740)		2.85
E6562006 (9339741)		0.01
E6562007 (9339742)		1.68
E6562008 (9339743)		2.84
E6562009 (9339744)		1.42
E6562010 (9339745)		2.16
E6562011 (9339746)		2.73
E6562012 (9339747)		1.48
E6562013 (9339748)		2.50

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 08, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6562014 (9339749)		2.86
E6562015 (9339750)		2.78
E6562016 (9339751)		2.89
E6562017 (9339752)		2.70
E6562018 (9339753)		2.70
E6562019 (9339754)		2.32
E6562020 (9339755)		0.86
E6562021 (9339756)		2.89
E6562022 (9339757)		3.36
E6562023 (9339758)		2.67
E6562024 (9339759)		2.70
E6562025 (9339760)		2.52
E6562026 (9339761)		0.01
E6562027 (9339762)		2.30
E6562028 (9339763)		1.35
E6562029 (9339764)		2.33

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 08, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561983 (9339718)	<1	7.18	<5	41	198	<5	<0.1	6.01	<0.2	18.3	47.5	0.019	0.8	95	
E6561984 (9339719)	1	7.58	<5	32	168	<5	<0.1	6.28	<0.2	17.8	46.2	0.018	0.9	98	
E6561985 (9339720)	<1	7.15	5	<20	175	<5	0.1	6.24	<0.2	18.8	46.8	0.018	1.0	93	
E6561986 (9339721)	<1	4.61	551	100	169	<5	7.5	4.08	<0.2	73.2	1010	0.005	2.6	3080	
E6561987 (9339722)	<1	7.34	<5	20	150	<5	0.6	5.95	<0.2	19.3	49.3	0.018	1.5	81	
E6561988 (9339723)	<1	7.03	5	<20	159	<5	0.4	6.72	<0.2	17.2	48.8	0.017	1.5	80	
E6561989 (9339724)	<1	7.58	6	<20	162	<5	0.3	6.53	0.3	20.1	52.3	0.018	1.9	91	
E6561990 (9339725)	<1	7.75	8	<20	273	<5	0.4	5.45	<0.2	19.2	44.1	0.018	1.1	58	
E6561991 (9339726)	<1	7.58	7	<20	228	<5	0.4	5.82	<0.2	17.1	45.0	0.018	0.9	59	
E6561992 (9339727)	<1	0.12	<5	<20	14.5	<5	<0.1	33.7	<0.2	1.2	1.2	<0.005	<0.1	6	
E6561993 (9339728)	<1	6.05	225	<20	205	<5	2.6	4.48	0.3	10.2	73.1	0.010	0.3	429	
E6561994 (9339729)	<1	7.55	6	<20	160	<5	0.9	3.87	<0.2	11.9	40.5	0.019	0.9	125	
E6561995 (9339730)	<1	7.99	<5	<20	233	<5	0.3	5.20	<0.2	19.4	49.4	0.019	1.8	71	
E6561996 (9339731)	<1	8.20	<5	<20	180	<5	0.2	5.93	<0.2	18.9	49.3	0.021	2.3	100	
E6561997 (9339732)	<1	7.96	<5	<20	163	<5	0.3	6.64	<0.2	20.1	56.0	0.019	1.0	122	
E6561998 (9339733)	<1	7.88	<5	<20	162	<5	0.3	6.61	<0.2	20.4	56.2	0.019	1.0	119	
E6561999 (9339734)	<1	7.71	<5	20	127	<5	1.2	6.31	<0.2	20.3	48.3	0.019	1.0	133	
E6562000 (9339735)	<1	7.21	<5	<20	123	<5	0.3	5.15	<0.2	16.3	50.0	0.017	6.9	79	
E6562001 (9339736)	<1	7.44	<5	<20	128	<5	0.2	6.45	<0.2	18.3	48.7	0.018	4.6	87	
E6562002 (9339737)	<1	7.83	<5	<20	143	<5	0.2	6.65	<0.2	19.2	54.1	0.020	2.2	129	
E6562003 (9339738)	<1	7.45	<5	<20	158	<5	0.2	7.67	<0.2	19.9	49.9	0.020	1.7	85	
E6562004 (9339739)	<1	7.24	<5	<20	163	<5	0.1	6.71	<0.2	18.7	53.5	0.018	2.3	105	
E6562005 (9339740)	<1	7.40	<5	<20	202	<5	0.2	6.46	<0.2	18.6	59.4	0.018	4.1	132	
E6562006 (9339741)	<1	4.43	567	94	161	<5	8.0	4.05	<0.2	74.1	1020	0.005	2.7	2850	
E6562007 (9339742)	<1	7.14	<5	<20	330	<5	0.9	7.21	<0.2	19.7	50.3	0.018	2.2	105	
E6562008 (9339743)	<1	6.60	24	31	241	<5	0.9	6.56	<0.2	16.9	68.0	0.015	5.8	434	
E6562009 (9339744)	<1	6.98	17	55	311	<5	0.7	5.23	<0.2	17.4	60.1	0.017	4.6	182	
E6562010 (9339745)	<1	7.40	<5	<20	277	<5	0.2	5.54	<0.2	16.7	32.2	0.019	3.3	97	
E6562011 (9339746)	<1	7.12	9	<20	377	<5	0.5	5.31	<0.2	19.4	43.9	0.017	2.0	57	
E6562012 (9339747)	<1	0.13	<5	<20	16.9	<5	<0.1	31.2	<0.2	1.3	0.8	<0.005	<0.1	6	
E6562013 (9339748)	<1	7.81	6	<20	456	<5	0.3	5.14	<0.2	20.1	30.2	0.019	0.9	72	
E6562014 (9339749)	<1	7.57	10	<20	440	<5	0.2	6.30	<0.2	25.0	55.4	0.019	1.0	284	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 08, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6562015 (9339750)	<1	7.11	<5	<20	223	<5	0.2	6.85	<0.2	18.7	44.0	0.019	4.1	94	
E6562016 (9339751)	<1	6.92	<5	<20	164	<5	0.4	6.10	<0.2	19.2	47.5	0.018	3.1	80	
E6562017 (9339752)	<1	6.90	<5	<20	615	<5	<0.1	6.05	<0.2	26.6	43.4	0.035	1.5	53	
E6562018 (9339753)	<1	7.02	<5	<20	623	<5	0.1	6.27	<0.2	26.3	43.7	0.036	1.5	53	
E6562019 (9339754)	<1	7.69	<5	<20	336	<5	0.4	4.61	<0.2	18.7	45.4	0.019	2.5	72	
E6562020 (9339755)	<1	7.67	<5	25	548	<5	0.3	4.88	<0.2	20.2	52.3	0.027	7.1	88	
E6562021 (9339756)	<1	5.66	<5	<20	215	<5	<0.1	5.36	<0.2	32.1	38.4	0.092	0.7	15	
E6562022 (9339757)	<1	7.57	17	<20	262	<5	0.3	5.73	0.3	23.8	50.5	0.021	1.3	99	
E6562023 (9339758)	<1	7.49	27	<20	186	<5	0.5	6.16	3.2	18.1	37.4	0.018	1.4	353	
E6562024 (9339759)	1	7.59	22	<20	175	<5	0.6	6.10	0.5	21.6	49.5	0.018	3.4	931	
E6562025 (9339760)	2	7.72	31	<20	111	<5	0.7	5.70	0.7	28.0	50.8	0.018	1.7	628	
E6562026 (9339761)	<1	4.79	568	101	177	<5	8.1	4.13	<0.2	71.3	1020	0.006	2.7	3130	
E6562027 (9339762)	<1	7.09	15	<20	30.0	<5	1.0	2.54	0.5	26.7	22.9	0.018	1.0	963	
E6562028 (9339763)	1	7.60	64	<20	17.0	<5	2.2	4.34	0.4	14.2	75.2	0.017	0.3	257	
E6562029 (9339764)	<1	7.31	9	<20	275	<5	0.4	3.23	<0.2	50.1	18.9	0.033	0.3	24	

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 08, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6561983 (9339718)	5.41	3.48	1.31	9.66	19.6	4.77	2	3	1.13	<0.2	0.55	7.2	14	0.54	
E6561984 (9339719)	5.42	3.51	1.29	10.3	19.4	4.66	2	3	1.13	<0.2	0.56	7.0	13	0.52	
E6561985 (9339720)	5.25	3.32	1.34	9.42	19.8	4.67	2	3	1.13	<0.2	0.69	7.6	13	0.50	
E6561986 (9339721)	3.07	1.90	1.01	3.19	12.0	3.98	2	4	0.63	0.3	3.15	36.2	<10	0.29	
E6561987 (9339722)	5.54	3.48	1.31	9.31	19.8	4.77	2	3	1.18	<0.2	0.67	7.5	14	0.52	
E6561988 (9339723)	5.47	3.45	1.23	9.45	20.0	4.77	2	3	1.15	<0.2	0.67	6.6	15	0.51	
E6561989 (9339724)	5.66	3.42	1.34	9.22	20.8	4.78	2	3	1.22	<0.2	0.71	7.8	14	0.55	
E6561990 (9339725)	5.71	3.71	1.32	8.87	20.8	4.79	2	3	1.19	<0.2	0.92	7.8	14	0.56	
E6561991 (9339726)	5.56	3.50	1.44	9.68	20.5	4.74	2	3	1.15	<0.2	0.78	7.3	13	0.53	
E6561992 (9339727)	0.26	0.16	0.07	0.22	0.30	0.26	1	<1	0.07	<0.2	<0.05	1.3	<10	<0.05	
E6561993 (9339728)	2.94	1.91	0.70	11.4	17.3	2.37	2	2	0.60	<0.2	2.27	4.2	10	0.31	
E6561994 (9339729)	5.70	3.45	1.18	9.37	21.2	4.40	2	3	1.15	<0.2	0.67	4.2	23	0.53	
E6561995 (9339730)	5.34	3.42	1.35	8.31	20.3	4.60	2	3	1.17	<0.2	1.02	7.5	18	0.49	
E6561996 (9339731)	5.67	3.43	1.42	8.55	20.3	4.81	2	3	1.18	<0.2	0.79	7.6	11	0.51	
E6561997 (9339732)	6.18	3.73	1.39	9.09	21.6	5.37	2	3	1.30	<0.2	0.68	7.9	<10	0.56	
E6561998 (9339733)	6.08	3.78	1.43	9.16	21.6	5.28	2	3	1.21	<0.2	0.70	8.0	<10	0.57	
E6561999 (9339734)	5.92	3.73	1.46	8.66	19.8	5.37	2	3	1.25	<0.2	0.75	8.2	16	0.57	
E6562000 (9339735)	5.14	3.48	1.29	10.5	19.5	4.45	2	3	1.12	<0.2	1.09	6.4	28	0.52	
E6562001 (9339736)	5.55	3.58	1.39	10.1	19.8	4.90	2	3	1.19	<0.2	0.94	7.2	20	0.55	
E6562002 (9339737)	5.98	3.93	1.34	9.90	21.3	5.14	2	3	1.30	<0.2	0.71	7.6	10	0.60	
E6562003 (9339738)	5.74	3.54	1.35	9.92	20.2	4.98	2	3	1.21	<0.2	0.60	7.9	10	0.55	
E6562004 (9339739)	5.80	3.85	1.31	9.63	20.1	5.15	2	3	1.24	<0.2	0.68	7.6	11	0.58	
E6562005 (9339740)	5.70	3.68	1.39	10.5	19.8	4.88	2	3	1.19	<0.2	0.98	7.3	17	0.56	
E6562006 (9339741)	3.13	1.80	0.94	3.05	12.1	4.20	2	4	0.63	0.2	3.02	36.7	<10	0.28	
E6562007 (9339742)	5.80	3.64	1.49	10.4	20.9	5.12	2	3	1.25	<0.2	1.16	8.0	13	0.59	
E6562008 (9339743)	4.89	3.05	1.40	13.7	19.1	4.13	2	3	1.06	<0.2	1.54	7.0	34	0.48	
E6562009 (9339744)	4.94	3.25	1.21	10.5	19.0	4.39	2	3	1.08	<0.2	1.95	6.9	49	0.51	
E6562010 (9339745)	5.25	3.16	1.13	7.64	19.3	4.33	2	3	1.09	<0.2	1.07	6.5	15	0.49	
E6562011 (9339746)	5.73	3.56	1.64	8.41	20.8	5.06	2	3	1.24	<0.2	1.07	7.9	15	0.53	
E6562012 (9339747)	0.20	0.16	<0.05	0.13	0.34	0.24	1	<1	<0.05	<0.2	<0.05	1.4	<10	<0.05	
E6562013 (9339748)	5.52	3.51	1.46	7.31	20.4	5.00	1	3	1.17	<0.2	1.07	8.2	<10	0.53	
E6562014 (9339749)	6.00	3.63	2.10	8.14	20.7	5.48	2	3	1.25	<0.2	1.02	11.4	11	0.54	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 08, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
Sample ID (AGAT ID)															
E6562015 (9339750)	5.49	3.69	1.26	9.40	20.3	4.81	2	3	1.21	<0.2	0.96	7.3	16	0.55	
E6562016 (9339751)	5.55	3.56	1.30	8.98	20.2	5.03	2	3	1.20	<0.2	0.77	7.7	15	0.52	
E6562017 (9339752)	4.46	2.68	1.34	7.85	17.9	4.45	2	2	0.91	<0.2	1.08	11.1	17	0.39	
E6562018 (9339753)	4.55	2.67	1.36	7.91	18.0	4.54	2	2	0.91	<0.2	1.10	11.1	18	0.39	
E6562019 (9339754)	5.33	3.41	1.12	8.53	21.2	4.60	2	3	1.17	<0.2	1.14	7.5	23	0.54	
E6562020 (9339755)	4.91	3.21	1.27	12.5	25.1	3.94	2	3	1.08	<0.2	1.86	9.3	50	0.55	
E6562021 (9339756)	2.62	1.33	1.05	6.18	14.1	3.54	2	2	0.51	<0.2	0.62	14.2	24	0.19	
E6562022 (9339757)	5.44	3.50	1.48	10.0	19.5	4.83	2	3	1.13	<0.2	0.68	10.0	17	0.51	
E6562023 (9339758)	5.27	3.40	1.44	10.4	19.5	4.72	1	3	1.16	<0.2	0.70	7.5	19	0.51	
E6562024 (9339759)	5.57	3.59	1.41	11.1	20.0	4.80	2	3	1.18	<0.2	0.86	9.5	24	0.53	
E6562025 (9339760)	5.49	3.51	1.72	10.4	22.5	5.26	2	3	1.19	<0.2	0.44	12.7	31	0.57	
E6562026 (9339761)	3.30	1.80	1.02	3.29	12.0	3.88	1	4	0.61	0.3	3.18	35.9	<10	0.31	
E6562027 (9339762)	5.75	3.27	1.89	9.74	19.8	5.56	2	3	1.19	<0.2	0.12	12.4	45	0.49	
E6562028 (9339763)	5.72	3.48	1.58	8.12	21.6	5.22	2	2	1.19	<0.2	0.05	6.1	29	0.49	
E6562029 (9339764)	3.19	1.68	1.40	5.64	19.0	4.57	2	3	0.61	<0.2	0.92	22.5	18	0.26	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 08, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561983 (9339718)	3.61	1600	4	4	12.6	82	0.06	6	2.66	27.0	0.11	0.4	41	21.9	
E6561984 (9339719)	3.84	1650	5	4	12.5	80	0.06	5	2.75	26.3	0.12	0.5	42	22.9	
E6561985 (9339720)	3.52	1600	7	4	13.2	77	0.06	6	2.78	31.8	0.16	0.4	40	22.0	
E6561986 (9339721)	2.59	452	12	8	31.1	167	0.06	13	8.31	110	1.45	1.6	7	26.5	
E6561987 (9339722)	3.42	1650	3	5	13.2	84	0.06	6	2.84	36.1	0.13	0.4	40	22.0	
E6561988 (9339723)	3.40	1730	4	4	12.3	79	0.06	13	2.59	33.4	0.18	0.5	38	21.9	
E6561989 (9339724)	3.45	1840	4	5	13.8	89	0.06	32	2.86	39.6	0.11	0.5	42	23.0	
E6561990 (9339725)	3.06	1820	5	5	13.3	78	0.07	13	2.85	35.0	0.18	0.3	42	23.8	
E6561991 (9339726)	3.19	1960	4	4	12.3	79	0.06	13	2.57	27.3	0.22	0.5	41	23.2	
E6561992 (9339727)	2.57	90	<2	<1	1.0	<5	<0.01	<5	0.23	1.0	<0.01	0.1	<5	5.13	
E6561993 (9339728)	2.51	1640	18	3	7.2	74	0.04	95	1.44	46.9	3.64	8.5	21	21.9	
E6561994 (9339729)	3.11	1540	4	5	9.5	54	0.07	17	1.88	15.5	0.71	0.8	43	23.8	
E6561995 (9339730)	3.14	1830	3	5	13.5	86	0.07	7	2.84	38.4	0.11	0.4	42	24.8	
E6561996 (9339731)	2.80	1970	6	5	12.9	87	0.07	6	2.74	38.9	0.19	0.3	46	24.6	
E6561997 (9339732)	2.36	2050	6	5	14.5	82	0.07	6	2.99	26.1	0.26	0.5	43	23.4	
E6561998 (9339733)	2.34	2010	7	5	13.9	81	0.07	6	2.98	26.4	0.27	0.3	43	23.7	
E6561999 (9339734)	2.52	1860	5	5	14.0	81	0.06	10	2.98	23.8	0.23	0.3	43	22.9	
E6562000 (9339735)	3.68	2120	6	4	11.5	74	0.06	10	2.42	63.1	0.22	0.2	40	23.1	
E6562001 (9339736)	3.83	2360	5	4	13.0	79	0.06	6	2.72	53.5	0.16	0.2	40	23.5	
E6562002 (9339737)	2.47	2290	13	5	13.3	79	0.07	8	2.84	35.2	0.27	0.3	44	22.3	
E6562003 (9339738)	2.74	2360	11	5	13.8	80	0.06	<5	2.89	28.2	0.14	0.3	41	23.0	
E6562004 (9339739)	2.55	2470	7	5	13.2	76	0.06	<5	2.71	35.8	0.19	0.2	40	22.0	
E6562005 (9339740)	2.79	2320	10	5	12.7	80	0.05	<5	2.76	59.0	0.39	0.3	39	22.6	
E6562006 (9339741)	2.42	437	13	8	31.0	156	0.06	13	8.71	113	1.36	1.7	6	25.5	
E6562007 (9339742)	2.78	2350	7	5	13.5	79	0.06	6	2.92	50.2	0.34	0.6	40	20.9	
E6562008 (9339743)	3.36	2460	8	4	11.4	80	0.06	9	2.39	90.7	1.49	0.9	36	19.9	
E6562009 (9339744)	3.49	2030	4	4	11.8	77	0.06	7	2.53	82.4	0.74	1.0	39	20.5	
E6562010 (9339745)	2.51	1850	4	5	11.7	45	0.07	<5	2.41	54.5	0.11	0.4	41	23.5	
E6562011 (9339746)	2.67	1900	6	5	13.6	58	0.06	7	2.83	43.9	0.26	0.8	40	21.9	
E6562012 (9339747)	2.64	66	<2	<1	0.9	<5	<0.01	<5	0.26	0.9	<0.01	<0.1	<5	5.12	
E6562013 (9339748)	2.51	1640	4	5	13.7	48	0.07	5	2.95	30.6	0.11	0.6	42	23.5	
E6562014 (9339749)	2.89	1870	4	4	16.3	60	0.07	<5	3.52	34.3	0.09	0.6	43	23.3	

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AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 08, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6562015 (9339750)	3.09	2090	8	5	13.0	67	0.06	<5	2.73	62.6	0.17	0.8	41	22.5	
E6562016 (9339751)	2.89	1860	9	5	13.6	65	0.06	5	2.87	47.6	0.20	0.8	38	22.5	
E6562017 (9339752)	4.24	1730	2	4	16.6	89	0.11	8	3.73	40.0	0.03	0.5	37	22.9	
E6562018 (9339753)	4.17	1740	2	4	16.9	93	0.12	8	3.57	40.4	0.03	0.5	37	22.8	
E6562019 (9339754)	3.42	1750	5	5	12.5	76	0.07	6	2.70	46.5	0.25	0.7	42	23.5	
E6562020 (9339755)	5.22	2370	11	4	12.5	103	0.07	8	2.84	109	0.29	1.0	42	19.4	
E6562021 (9339756)	6.75	1450	3	3	18.2	316	0.13	34	4.31	15.8	<0.01	0.4	23	23.6	
E6562022 (9339757)	3.91	2220	3	4	15.0	89	0.08	33	3.25	28.3	0.23	1.1	42	23.7	
E6562023 (9339758)	3.71	2200	2	4	12.5	64	0.06	127	2.63	30.6	0.31	1.0	42	22.9	
E6562024 (9339759)	3.99	2260	2	4	14.1	78	0.07	48	3.06	54.2	0.40	1.4	43	22.8	
E6562025 (9339760)	4.94	1870	2	4	16.7	79	0.07	793	3.78	26.2	0.31	1.3	42	22.1	
E6562026 (9339761)	2.63	483	12	8	30.8	174	0.07	13	8.32	114	1.50	1.7	7	27.2	
E6562027 (9339762)	6.54	1550	4	4	16.5	69	0.06	317	3.63	8.9	0.14	0.7	40	22.6	
E6562028 (9339763)	4.25	1110	9	5	11.4	80	0.06	707	2.23	2.3	0.80	0.5	40	22.5	
E6562029 (9339764)	3.66	956	4	5	25.9	59	0.14	55	6.42	17.6	0.02	0.5	19	25.8	

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018

DATE RECEIVED: Jun 19, 2018

DATE REPORTED: Aug 08, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561983 (9339718)	3.6	<1	196	<0.5	0.86	0.8	0.91	<0.5	0.50	0.21	334	4	31.1	3.6
E6561984 (9339719)	4.0	<1	182	<0.5	0.80	0.7	0.97	<0.5	0.50	0.24	341	3	30.8	3.5
E6561985 (9339720)	4.0	<1	164	<0.5	0.84	1.0	0.93	<0.5	0.50	0.23	330	2	31.6	3.5
E6561986 (9339721)	5.7	2	27.0	0.6	0.57	10.5	0.23	0.8	0.27	6.85	56	5	18.0	2.0
E6561987 (9339722)	3.9	<1	156	<0.5	0.85	1.1	0.94	<0.5	0.50	0.24	330	2	31.4	3.6
E6561988 (9339723)	3.7	<1	149	<0.5	0.82	0.9	0.91	<0.5	0.51	0.24	317	2	31.3	3.5
E6561989 (9339724)	4.1	<1	167	<0.5	0.87	0.9	0.98	<0.5	0.51	0.21	354	1	31.3	3.7
E6561990 (9339725)	4.0	<1	137	<0.5	0.87	0.9	1.02	<0.5	0.55	0.25	348	2	32.8	3.7
E6561991 (9339726)	3.8	<1	130	<0.5	0.84	0.8	0.99	<0.5	0.53	0.30	348	2	31.8	3.7
E6561992 (9339727)	0.3	<1	50.6	<0.5	<0.05	0.2	0.01	<0.5	<0.05	0.15	<5	<1	2.6	0.2
E6561993 (9339728)	2.0	<1	32.8	<0.5	0.42	0.5	0.56	<0.5	0.28	0.20	236	4	16.9	1.9
E6561994 (9339729)	3.4	<1	66.1	<0.5	0.82	0.8	1.07	<0.5	0.53	0.32	352	5	29.8	3.6
E6561995 (9339730)	3.8	<1	120	<0.5	0.86	0.8	1.04	<0.5	0.49	0.25	347	2	30.0	3.4
E6561996 (9339731)	4.0	<1	132	<0.5	0.85	0.8	1.07	<0.5	0.52	0.23	381	2	31.7	3.7
E6561997 (9339732)	4.4	<1	146	<0.5	0.95	0.8	1.05	<0.5	0.58	0.27	365	2	34.8	4.0
E6561998 (9339733)	4.3	<1	147	<0.5	0.94	0.8	1.04	<0.5	0.55	0.25	357	2	34.7	3.9
E6561999 (9339734)	4.4	<1	131	<0.5	0.92	0.8	1.01	<0.5	0.55	0.29	351	2	34.0	3.8
E6562000 (9339735)	3.7	<1	78.8	<0.5	0.81	0.7	0.93	0.5	0.50	0.26	329	2	29.3	3.6
E6562001 (9339736)	4.1	<1	110	<0.5	0.84	0.8	0.97	<0.5	0.53	0.26	340	2	32.7	3.6
E6562002 (9339737)	4.1	<1	128	<0.5	0.89	0.8	1.03	<0.5	0.57	0.28	362	2	34.2	3.9
E6562003 (9339738)	4.2	<1	114	<0.5	0.83	0.8	0.99	<0.5	0.55	0.26	345	18	32.9	3.9
E6562004 (9339739)	4.0	<1	97.4	<0.5	0.90	0.8	0.96	<0.5	0.54	0.24	332	2	33.9	3.8
E6562005 (9339740)	3.9	<1	87.7	<0.5	0.86	0.8	0.96	<0.5	0.56	0.25	328	3	32.0	3.8
E6562006 (9339741)	5.7	1	24.4	<0.5	0.56	10.8	0.23	0.8	0.28	6.90	52	5	18.5	2.0
E6562007 (9339742)	4.2	<1	97.2	<0.5	0.84	1.1	0.94	<0.5	0.54	0.25	331	4	33.1	4.0
E6562008 (9339743)	3.4	1	76.9	<0.5	0.77	1.0	0.87	0.8	0.47	0.35	298	3	28.1	3.4
E6562009 (9339744)	3.5	<1	66.0	<0.5	0.73	0.8	0.93	0.5	0.49	0.32	317	2	28.7	3.5
E6562010 (9339745)	3.5	<1	87.9	<0.5	0.78	0.8	0.97	<0.5	0.47	0.24	318	2	29.3	3.3
E6562011 (9339746)	4.1	<1	106	<0.5	0.91	0.8	0.95	<0.5	0.54	0.33	332	3	33.1	3.7
E6562012 (9339747)	0.2	<1	48.8	<0.5	<0.05	0.2	<0.01	<0.5	<0.05	0.21	<5	<1	2.2	0.1
E6562013 (9339748)	4.1	<1	117	<0.5	0.86	0.9	1.02	<0.5	0.50	0.37	345	3	30.4	3.8
E6562014 (9339749)	4.7	<1	137	<0.5	0.97	0.8	1.00	<0.5	0.53	0.38	352	2	33.7	3.7

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AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018					DATE REPORTED: Aug 08, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6562015 (9339750)	4.1	<1	127	<0.5	0.81	0.9	0.95	<0.5	0.54	0.25	336	2	32.6	3.6	
E6562016 (9339751)	4.1	<1	113	<0.5	0.86	0.8	0.92	<0.5	0.54	0.25	324	2	32.3	3.6	
E6562017 (9339752)	4.3	<1	307	<0.5	0.72	1.5	0.72	<0.5	0.39	0.44	270	1	24.6	2.7	
E6562018 (9339753)	4.2	<1	315	<0.5	0.72	1.5	0.72	<0.5	0.38	0.46	273	1	24.5	2.7	
E6562019 (9339754)	4.0	<1	157	<0.5	0.80	0.8	1.00	<0.5	0.49	0.25	347	6	30.9	3.6	
E6562020 (9339755)	3.4	<1	160	<0.5	0.74	1.0	0.98	0.8	0.52	0.65	373	3	29.2	3.6	
E6562021 (9339756)	4.1	<1	243	<0.5	0.50	2.3	0.34	<0.5	0.18	0.84	144	<1	13.5	1.4	
E6562022 (9339757)	4.4	<1	195	<0.5	0.86	1.2	0.97	<0.5	0.48	0.45	353	1	30.7	3.6	
E6562023 (9339758)	3.8	<1	157	<0.5	0.82	0.7	0.98	<0.5	0.49	0.35	352	1	30.8	3.6	
E6562024 (9339759)	4.3	<1	188	<0.5	0.84	0.8	1.02	<0.5	0.51	0.30	351	1	32.2	3.7	
E6562025 (9339760)	4.5	<1	227	<0.5	0.86	0.8	1.04	<0.5	0.54	0.34	359	3	30.9	3.7	
E6562026 (9339761)	5.7	1	26.2	0.5	0.59	10.6	0.24	0.7	0.27	6.94	58	4	18.4	2.0	
E6562027 (9339762)	5.0	<1	43.2	<0.5	0.91	0.9	0.96	<0.5	0.50	0.34	335	2	31.3	3.5	
E6562028 (9339763)	4.3	1	75.2	<0.5	0.91	0.8	0.93	<0.5	0.52	0.69	304	2	33.2	3.3	
E6562029 (9339764)	5.5	<1	260	<0.5	0.63	3.4	0.37	<0.5	0.25	1.18	125	<1	18.2	1.7	

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 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 08, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6561983 (9339718)		108	105
E6561984 (9339719)		103	103
E6561985 (9339720)		93	103
E6561986 (9339721)		8	164
E6561987 (9339722)		99	106
E6561988 (9339723)		98	103
E6561989 (9339724)		134	103
E6561990 (9339725)		110	111
E6561991 (9339726)		113	102
E6561992 (9339727)		<5	4.8
E6561993 (9339728)		122	58.8
E6561994 (9339729)		87	115
E6561995 (9339730)		78	108
E6561996 (9339731)		73	109
E6561997 (9339732)		80	114
E6561998 (9339733)		84	113
E6561999 (9339734)		78	111
E6562000 (9339735)		88	101
E6562001 (9339736)		85	104
E6562002 (9339737)		81	111
E6562003 (9339738)		73	109
E6562004 (9339739)		79	110
E6562005 (9339740)		72	106
E6562006 (9339741)		7	169
E6562007 (9339742)		69	108
E6562008 (9339743)		73	92.8
E6562009 (9339744)		73	97.7
E6562010 (9339745)		62	106
E6562011 (9339746)		72	108
E6562012 (9339747)		<5	3.4
E6562013 (9339748)		69	106
E6562014 (9339749)		73	104

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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 08, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6562015 (9339750)		77	104
E6562016 (9339751)		80	106
E6562017 (9339752)		113	92.9
E6562018 (9339753)		115	92.6
E6562019 (9339754)		85	108
E6562020 (9339755)		144	106
E6562021 (9339756)		123	77.9
E6562022 (9339757)		188	105
E6562023 (9339758)		761	98.3
E6562024 (9339759)		240	104
E6562025 (9339760)		351	105
E6562026 (9339761)		7	167
E6562027 (9339762)		361	100
E6562028 (9339763)		284	97.1
E6562029 (9339764)		130	128

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

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 CANADA L4Z 1N9
 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 18, 2018 DATE RECEIVED: Jun 19, 2018 DATE REPORTED: Aug 08, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561984 (9339719)		85
E6561993 (9339728)		86
E6562003 (9339738)		82
E6562007 (9339742)		80
E6562013 (9339748)		84
E6562022 (9339757)		83

Comments: RDL - Reported Detection Limit

Certified By:



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AGAT WORK ORDER: 18T352001

PROJECT: DDH-134C

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CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 18, 2018	DATE RECEIVED: Jun 19, 2018	DATE REPORTED: Aug 08, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561983 (9339718)		94.1
E6562013 (9339748)		92.7

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9339718	< 1	< 1	0.0%	9339729	< 1	< 1	0.0%	9339742	< 1	< 1	0.0%	9339743	< 1	< 1	0.0%
Al	9339718	7.18	7.66	6.5%	9339729	7.55	7.88	4.3%	9339742	7.14	7.01	1.8%	9339743	6.60	6.40	3.1%
As	9339718	< 5	< 5	0.0%	9339729	6	6	0.0%	9339742	< 5	< 5	0.0%	9339743	24	22	8.7%
B	9339718	41	43	4.8%	9339729	< 20	< 20	0.0%	9339742	< 20	< 20	0.0%	9339743	31	34	9.2%
Ba	9339718	198	197	0.5%	9339729	160	168	4.9%	9339742	330	328	0.6%	9339743	241	240	0.4%
Be	9339718	< 5	< 5	0.0%	9339729	< 5	< 5	0.0%	9339742	< 5	< 5	0.0%	9339743	< 5	< 5	0.0%
Bi	9339718	< 0.1	< 0.1	0.0%	9339729	0.9	0.8	11.8%	9339742	0.9	0.5		9339743	0.95	1.00	5.1%
Ca	9339718	6.01	6.29	4.6%	9339729	3.87	4.11	6.0%	9339742	7.21	7.22	0.1%	9339743	6.56	6.36	3.1%
Cd	9339718	< 0.2	< 0.2	0.0%	9339729	< 0.2	< 0.2	0.0%	9339742	< 0.2	< 0.2	0.0%	9339743	< 0.2	< 0.2	0.0%
Ce	9339718	18.3	17.9	2.2%	9339729	11.9	12.0	0.8%	9339742	19.7	19.4	1.5%	9339743	16.9	16.3	3.6%
Co	9339718	47.5	46.2	2.8%	9339729	40.5	41.1	1.5%	9339742	50.3	50.7	0.8%	9339743	68.0	69.7	2.5%
Cr	9339718	0.019	0.019	0.0%	9339729	0.019	0.020	5.1%	9339742	0.018	0.018	0.0%	9339743	0.0155	0.0156	0.6%
Cs	9339718	0.77	0.70	9.5%	9339729	0.9	0.9	0.0%	9339742	2.24	2.30	2.6%	9339743	5.79	5.64	2.6%
Cu	9339718	95	92	3.2%	9339729	125	134	6.9%	9339742	105	105	0.0%	9339743	434	435	0.2%
Dy	9339718	5.41	5.52	2.0%	9339729	5.70	5.57	2.3%	9339742	5.80	5.58	3.9%	9339743	4.89	4.57	6.8%
Er	9339718	3.48	3.40	2.3%	9339729	3.45	3.48	0.9%	9339742	3.64	3.73	2.4%	9339743	3.05	3.09	1.3%
Eu	9339718	1.31	1.30	0.8%	9339729	1.18	1.27	7.3%	9339742	1.49	1.51	1.3%	9339743	1.40	1.34	4.4%
Fe	9339718	9.66	10.2	5.4%	9339729	9.37	9.88	5.3%	9339742	10.4	10.4	0.0%	9339743	13.7	13.3	3.0%
Ga	9339718	19.6	19.2	2.1%	9339729	21.2	21.7	2.3%	9339742	20.9	20.2	3.4%	9339743	19.1	18.7	2.1%
Gd	9339718	4.77	4.57	4.3%	9339729	4.40	4.43	0.7%	9339742	5.12	4.78	6.9%	9339743	4.13	3.99	3.4%
Ge	9339718	2	2	0.0%	9339729	2	2	0.0%	9339742	2	2	0.0%	9339743	2	2	0.0%
Hf	9339718	3	3	0.0%	9339729	3	3	0.0%	9339742	3	3	0.0%	9339743	3	3	0.0%
Ho	9339718	1.13	1.18	4.3%	9339729	1.15	1.16	0.9%	9339742	1.25	1.24	0.8%	9339743	1.06	1.03	2.9%
In	9339718	< 0.2	< 0.2	0.0%	9339729	< 0.2	< 0.2	0.0%	9339742	< 0.2	< 0.2	0.0%	9339743	< 0.2	< 0.2	0.0%
K	9339718	0.55	0.59	7.0%	9339729	0.67	0.69	2.9%	9339742	1.16	1.15	0.9%	9339743	1.54	1.50	2.6%
La	9339718	7.2	7.3	1.4%	9339729	4.22	4.36	3.3%	9339742	8.0	7.9	1.3%	9339743	7.0	6.8	2.9%
Li	9339718	14	15	6.9%	9339729	23	24	4.3%	9339742	13	11	16.7%	9339743	34	33	3.0%
Lu	9339718	0.539	0.547	1.5%	9339729	0.53	0.53	0.0%	9339742	0.59	0.57	3.4%	9339743	0.48	0.48	0.0%
Mg	9339718	3.61	3.96	9.2%	9339729	3.11	3.19	2.5%	9339742	2.78	2.85	2.5%	9339743	3.36	3.26	3.0%
Mn	9339718	1600	1620	1.2%	9339729	1540	1590	3.2%	9339742	2350	2330	0.9%	9339743	2460	2470	0.4%
Mo	9339718	4	4	0.0%	9339729	4	4	0.0%	9339742	7	7	0.0%	9339743	8	7	13.3%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Nb	9339718	4	4	0.0%	9339729	5	5	0.0%	9339742	5	5	0.0%	9339743	4	4	0.0%
Nd	9339718	12.6	12.5	0.8%	9339729	9.5	9.6	1.0%	9339742	13.5	13.5	0.0%	9339743	11.4	11.1	2.7%
Ni	9339718	82	82	0.0%	9339729	54	57	5.4%	9339742	79	75	5.2%	9339743	80	79	1.3%
P	9339718	0.06	0.06	0.0%	9339729	0.07	0.07	0.0%	9339742	0.06	0.06	0.0%	9339743	0.059	0.053	10.7%
Pb	9339718	6	6	0.0%	9339729	17	16	6.1%	9339742	6	5	18.2%	9339743	9	12	
Pr	9339718	2.66	2.65	0.4%	9339729	1.88	1.86	1.1%	9339742	2.92	2.85	2.4%	9339743	2.39	2.37	0.8%
Rb	9339718	27.0	26.3	2.6%	9339729	15.5	15.7	1.3%	9339742	50.2	49.6	1.2%	9339743	90.7	88.5	2.5%
S	9339718	0.11	0.11	0.0%	9339729	0.714	0.759	6.1%	9339742	0.34	0.34	0.0%	9339743	1.49	1.53	2.6%
Sb	9339718	0.4	0.4	0.0%	9339729	0.8	0.7	13.3%	9339742	0.64	0.65	1.6%	9339743	0.9	0.9	0.0%
Sc	9339718	41	42	2.4%	9339729	43	44	2.3%	9339742	40	39	2.5%	9339743	36	36	0.0%
Si	9339718	21.9	23.2	5.8%	9339729	23.8	24.8	4.1%	9339742	20.9	20.7	1.0%	9339743	19.9	19.0	4.6%
Sm	9339718	3.63	3.82	5.1%	9339729	3.4	3.4	0.0%	9339742	4.2	4.1	2.4%	9339743	3.4	3.4	0.0%
Sn	9339718	< 1	2		9339729	< 1	< 1	0.0%	9339742	< 1	< 1	0.0%	9339743	1	1	0.0%
Sr	9339718	196	203	3.5%	9339729	66.1	66.7	0.9%	9339742	97.2	95.2	2.1%	9339743	76.9	79.6	3.5%
Ta	9339718	< 0.5	< 0.5	0.0%	9339729	< 0.5	< 0.5	0.0%	9339742	< 0.5	< 0.5	0.0%	9339743	< 0.5	< 0.5	0.0%
Tb	9339718	0.860	0.802	7.0%	9339729	0.82	0.80	2.5%	9339742	0.840	0.875	4.1%	9339743	0.77	0.73	5.3%
Th	9339718	0.77	0.75	2.6%	9339729	0.8	0.8	0.0%	9339742	1.09	0.85	24.7%	9339743	1.0	0.9	10.5%
Ti	9339718	0.910	0.969	6.3%	9339729	1.07	1.11	3.7%	9339742	0.94	0.93	1.1%	9339743	0.872	0.833	4.6%
Tl	9339718	< 0.5	< 0.5	0.0%	9339729	< 0.5	< 0.5	0.0%	9339742	< 0.5	< 0.5	0.0%	9339743	0.78	0.73	6.6%
Tm	9339718	0.50	0.50	0.0%	9339729	0.53	0.53	0.0%	9339742	0.54	0.56	3.6%	9339743	0.47	0.47	0.0%
U	9339718	0.207	0.226	8.8%	9339729	0.32	0.32	0.0%	9339742	0.252	0.245	2.8%	9339743	0.35	0.35	0.0%
V	9339718	334	343	2.7%	9339729	352	367	4.2%	9339742	331	328	0.9%	9339743	298	298	0.0%
W	9339718	4	3	28.6%	9339729	5	4	22.2%	9339742	4	4	0.0%	9339743	3	3	0.0%
Y	9339718	31.1	30.4	2.3%	9339729	29.8	30.2	1.3%	9339742	33.1	33.1	0.0%	9339743	28.1	28.2	0.4%
Yb	9339718	3.55	3.54	0.3%	9339729	3.6	3.6	0.0%	9339742	3.96	3.90	1.5%	9339743	3.37	3.31	1.8%
Zn	9339718	108	106	1.9%	9339729	87	94	7.7%	9339742	69	70	1.4%	9339743	73	72	1.4%
Zr	9339718	105	101	3.9%	9339729	115	114	0.9%	9339742	108	107	0.9%	9339743	92.8	93.4	0.6%

REPLICATE #5

Parameter	Sample ID	Original	Replicate	RPD												
Ag	9339753	< 1	< 1	0.0%												
Al	9339753	7.02	6.99	0.4%												
As	9339753	< 5	< 5	0.0%												
B	9339753	< 20	< 20	0.0%												
Ba	9339753	623	626	0.5%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Be	9339753	< 5	< 5	0.0%																
Bi	9339753	0.1	0.1	0.0%																
Ca	9339753	6.27	6.12	2.4%																
Cd	9339753	< 0.2	< 0.2	0.0%																
Ce	9339753	26.3	26.1	0.8%																
Co	9339753	43.7	45.6	4.3%																
Cr	9339753	0.036	0.037	2.7%																
Cs	9339753	1.5	1.5	0.0%																
Cu	9339753	53	54	1.9%																
Dy	9339753	4.55	4.47	1.8%																
Er	9339753	2.67	2.61	2.3%																
Eu	9339753	1.36	1.40	2.9%																
Fe	9339753	7.91	7.91	0.0%																
Ga	9339753	18.0	18.5	2.7%																
Gd	9339753	4.54	4.48	1.3%																
Ge	9339753	2	2	0.0%																
Hf	9339753	2	2	0.0%																
Ho	9339753	0.91	0.92	1.1%																
In	9339753	< 0.2	< 0.2	0.0%																
K	9339753	1.10	1.09	0.9%																
La	9339753	11.1	11.2	0.9%																
Li	9339753	18	17	5.7%																
Lu	9339753	0.39	0.42	7.4%																
Mg	9339753	4.17	4.31	3.3%																
Mn	9339753	1740	1760	1.1%																
Mo	9339753	2	2	0.0%																
Nb	9339753	4	4	0.0%																
Nd	9339753	16.9	16.5	2.4%																
Ni	9339753	93	94	1.1%																
P	9339753	0.119	0.112	6.1%																
Pb	9339753	8	8	0.0%																
Pr	9339753	3.57	3.71	3.8%																
Rb	9339753	40.4	41.5	2.7%																
S	9339753	0.033	0.039	16.7%																



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sb	9339753	0.5	0.5	0.0%													
Sc	9339753	37	38	2.7%													
Si	9339753	22.8	22.8	0.0%													
Sm	9339753	4.2	4.4	4.7%													
Sn	9339753	< 1	< 1	0.0%													
Sr	9339753	315	314	0.3%													
Ta	9339753	< 0.5	< 0.5	0.0%													
Tb	9339753	0.722	0.757	4.7%													
Th	9339753	1.5	1.5	0.0%													
Ti	9339753	0.72	0.72	0.0%													
Tl	9339753	< 0.5	< 0.5	0.0%													
Tm	9339753	0.38	0.40	5.1%													
U	9339753	0.46	0.49	6.3%													
V	9339753	273	277	1.5%													
W	9339753	1	1	0.0%													
Y	9339753	24.5	25.1	2.4%													
Yb	9339753	2.75	2.77	0.7%													
Zn	9339753	115	113	1.8%													
Zr	9339753	92.6	95.3	2.9%													



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.69	98%	90% - 110%	4.30	4.26	99%	90% - 110%	10.95	11.25	103%	90% - 110%				
Ba	340	327	96%	90% - 110%					340	328	96%	90% - 110%				
Be	2.6	3	116%	90% - 110%					2.6	2.9	112%	90% - 110%				
Ca	5.72	5.62	98%	90% - 110%	2.21	2.14	97%	90% - 110%	5.72	5.86	102%	90% - 110%				
Ce	122	122	100%	90% - 110%					122	125	102%	90% - 110%				
Co	2.8	2.5	89%	90% - 110%	672	665	99%	90% - 110%	2.8	2.6	94%	90% - 110%				
Cr					0.032	0.033	103%	90% - 110%								
Cs	1.5	1.6	109%	90% - 110%					1.5	1.5	100%	90% - 110%				
Cu					11850	11499	97%	90% - 110%								
Dy	18.2	18.3	100%	90% - 110%					18.2	18.9	104%	90% - 110%				
Er	14.2	14.2	100%	90% - 110%					14.2	14.4	101%	90% - 110%				
Eu	2.0	2	100%	90% - 110%					2.0	2	101%	90% - 110%				
Fe	4.34	4.16	96%	90% - 110%	25.54	24.12	94%	90% - 110%	4.34	4.37	101%	90% - 110%				
Ga	35	37	105%	90% - 110%					35	38	108%	90% - 110%				
Gd	14	14	100%	90% - 110%					14	14	103%	90% - 110%				
Hf	10.6	10.7	100%	90% - 110%					10.6	10.6	100%	90% - 110%				
Ho	4.3	4.3	100%	90% - 110%					4.3	4.4	103%	90% - 110%				
K	1.37	1.3	95%	90% - 110%					1.37	1.35	98%	90% - 110%				
La	58	58	100%	90% - 110%					58	59	101%	90% - 110%				
Li	37	35	94%	90% - 110%					37	35	94%	90% - 110%				
Lu	2.1	2.1	100%	90% - 110%					2.1	2.2	102%	90% - 110%				
Mg	0.325	0.304	94%	90% - 110%	1.79	1.75	98%	90% - 110%	0.325	0.312	96%	90% - 110%				
Mn	836	816	98%	90% - 110%	703	693	99%	90% - 110%	836	821	98%	90% - 110%				
Nb	13	14	105%	90% - 110%					13	14	106%	90% - 110%				
Nd	57	57	100%	90% - 110%					57	60	105%	90% - 110%				
Ni	9	8	93%	90% - 110%	19530	18196	93%	90% - 110%	9	6	72%	90% - 110%				
Pb	10	10	99%	90% - 110%	58	66	114%	90% - 110%	10	10	103%	90% - 110%				
Pr	15.0	15	100%	90% - 110%					15.0	15.2	101%	90% - 110%				
Rb	55	57	103%	90% - 110%					55	58	105%	90% - 110%				
S					14.14	13.15	92%	90% - 110%								
Si	23.3	22.2	95%	90% - 110%	15.23	14.53	95%	90% - 110%	23.3	23.2	99%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA, JASON RICKARD

Sm	12.7	12.7	100%	90% - 110%					12.7	13.3	105%	90% - 110%				
Sn	7.1	6.8	96%	90% - 110%					7.1	7.3	103%	90% - 110%				
Sr	1191	1200	101%	90% - 110%					1191	1198	101%	90% - 110%				
Ta	0.9	0.8	91%	90% - 110%					0.9	0.8	92%	90% - 110%				
Tb	2.6	2.6	100%	90% - 110%					2.6	2.7	106%	90% - 110%				
Th	1.4	1.1	82%	90% - 110%					1.4	1.2	85%	90% - 110%				
Ti	0.172	0.165	96%	90% - 110%					0.172	0.172	100%	90% - 110%				
Tm	2.3	2.3	100%	90% - 110%					2.3	2.4	103%	90% - 110%				
U	0.8	0.8	96%	90% - 110%					0.8	0.8	99%	90% - 110%				
Y	119	118	99%	90% - 110%					119	122	103%	90% - 110%				
Yb	14.8	15.3	103%	90% - 110%					14.8	15.9	107%	90% - 110%				
Zn	93	93	100%	90% - 110%	235	245	104%	90% - 110%	93	97	104%	90% - 110%				
Zr	517	575	111%	90% - 110%					517	567	110%	90% - 110%				



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-134C
 SAMPLING SITE:

AGAT WORK ORDER: 18T352001
 ATTENTION TO: FRANK SANTAGUIDA, JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-134C
SAMPLING SITE:

AGAT WORK ORDER: 18T352001
ATTENTION TO: FRANK SANTAGUIDA, JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-135A

AGAT WORK ORDER: 18B338682

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jun 14, 2018

PAGES (INCLUDING COVER): 31

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561022 (9240387)		1.94
E6561023 (9240388)		2.47
E6561024 (9240389)		2.66
E6561025 (9240390)		2.19
E6561026 (9240391)		0.01
E6561027 (9240392)		1.95
E6561028 (9240393)		2.49
E6561029 (9240394)		2.10
E6561030 (9240395)		2.44
E6561031 (9240396)		2.78
E6561032 (9240397)		1.53
E6561033 (9240398)		2.64
E6561034 (9240399)		2.60
E6561035 (9240400)		2.80
E6561036 (9240401)		2.94
E6561037 (9240402)		2.19
E6561038 (9240403)		2.19
E6561039 (9240404)		2.37
E6561040 (9240405)		3.02
E6561041 (9240406)		2.92
E6561042 (9240407)		2.39
E6561043 (9240408)		2.03
E6561044 (9240409)		2.07
E6561045 (9240410)		2.63
E6561046 (9240411)		0.01
E6561047 (9240412)		2.90
E6561048 (9240413)		1.77
E6561049 (9240414)		2.31
E6561050 (9240415)		2.81
E6561051 (9240416)		1.35
E6561052 (9240417)		1.49

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

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 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018 DATE RECEIVED: May 10, 2018 DATE REPORTED: Jun 14, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561053 (9240418)		3.20
E6561054 (9240419)		2.95
E6561055 (9240420)		1.61
E6561056 (9240421)		2.47
E6561057 (9240422)		2.79
E6561058 (9240423)		2.79
E6561059 (9240424)		2.70
E6561060 (9240425)		3.05
E6561061 (9240426)		2.80
E6561062 (9240427)		2.55
E6561063 (9240428)		2.26
E6561064 (9240429)		1.96
E6561065 (9240430)		2.60
E6561066 (9240431)		0.01
E6561067 (9240432)		2.67
E6561068 (9240433)		2.62
E6561069 (9240434)		2.78
E6561070 (9240435)		2.44
E6561071 (9240436)		2.32
E6561072 (9240437)		1.27
E6561073 (9240438)		3.06
E6561074 (9240439)		2.98
E6561075 (9240440)		2.92
E6561076 (9240441)		3.01
E6561077 (9240442)		2.41
E6561078 (9240443)		2.41
E6561079 (9240444)		1.87
E6561080 (9240445)		2.24
E6561081 (9240446)		2.75
E6561082 (9240447)		3.77
E6561083 (9240448)		2.65

Certified By:





Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6561084 (9240449)		2.92
E6561085 (9240450)		2.78
E6561086 (9240451)		0.01
E6561087 (9240452)		2.49
E6561088 (9240453)		2.05
E6561089 (9240454)		2.50
E6561090 (9240455)		2.79
E6561091 (9240456)		2.22
E6561092 (9240457)		1.34
E6561093 (9240458)		2.36
E6561094 (9240459)		2.81
E6561095 (9240460)		2.69
E6561096 (9240461)		2.56
E6561097 (9240462)		2.63
E6561098 (9240463)		2.63
E6561099 (9240464)		2.87
E6561100 (9240465)		2.78

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018					DATE REPORTED: Jun 14, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561022 (9240387)	<1	8.36	<5	<20	150	<5	<0.1	6.14	<0.2	8.9	50.9	0.025	0.5	29	
E6561023 (9240388)	<1	8.20	<5	<20	160	<5	0.1	6.89	<0.2	9.5	62.0	0.024	0.5	98	
E6561024 (9240389)	<1	7.98	<5	22	171	<5	0.4	5.95	3.8	9.3	64.0	0.021	0.7	128	
E6561025 (9240390)	<1	8.26	<5	<20	161	<5	0.2	6.23	<0.2	9.1	56.3	0.025	0.8	120	
E6561026 (9240391)	<1	4.49	577	112	181	<5	7.6	4.10	<0.2	66.5	994	0.007	2.6	3080	
E6561027 (9240392)	<1	8.36	<5	<20	118	<5	0.2	6.81	<0.2	9.4	64.2	0.024	0.8	64	
E6561028 (9240393)	<1	8.06	<5	<20	185	<5	0.1	7.60	<0.2	9.1	64.9	0.024	1.1	83	
E6561029 (9240394)	<1	8.81	<5	<20	220	<5	0.1	5.89	<0.2	10.1	61.3	0.025	0.8	62	
E6561030 (9240395)	<1	7.64	<5	<20	164	<5	0.3	7.46	<0.2	9.1	71.6	0.022	1.8	149	
E6561031 (9240396)	<1	7.81	<5	<20	149	<5	0.1	6.21	<0.2	25.7	57.4	0.029	0.8	50	
E6561032 (9240397)	<1	0.06	<5	<20	14.2	<5	<0.1	32.7	<0.2	0.8	1.0	<0.005	<0.1	<5	
E6561033 (9240398)	<1	7.44	<5	<20	198	<5	0.5	7.02	<0.2	9.2	75.4	0.021	1.3	204	
E6561034 (9240399)	<1	7.48	<5	<20	132	<5	0.2	6.54	<0.2	9.6	64.1	0.020	0.5	156	
E6561035 (9240400)	<1	8.48	<5	<20	166	<5	<0.1	6.03	<0.2	9.3	60.0	0.024	0.6	27	
E6561036 (9240401)	<1	7.74	<5	<20	156	<5	<0.1	5.79	<0.2	8.7	51.8	0.020	1.0	132	
E6561037 (9240402)	<1	8.02	<5	<20	128	<5	0.1	5.94	<0.2	8.9	61.3	0.022	0.5	85	
E6561038 (9240403)	<1	8.08	<5	<20	129	<5	0.1	5.92	<0.2	8.8	59.7	0.022	0.5	87	
E6561039 (9240404)	<1	7.71	6	<20	113	<5	0.1	6.00	<0.2	25.7	52.1	0.029	0.5	66	
E6561040 (9240405)	<1	8.21	<5	66	228	<5	0.1	5.73	<0.2	8.4	62.1	0.022	0.7	91	
E6561041 (9240406)	<1	7.71	<5	21	195	<5	0.3	6.35	<0.2	9.5	62.0	0.040	0.6	101	
E6561042 (9240407)	<1	8.56	<5	<20	262	<5	<0.1	5.88	<0.2	9.6	55.7	0.023	0.7	35	
E6561043 (9240408)	<1	8.32	<5	<20	224	<5	<0.1	4.27	<0.2	8.6	51.8	0.022	1.1	91	
E6561044 (9240409)	<1	8.36	<5	<20	188	<5	<0.1	5.85	<0.2	9.5	53.8	0.022	0.6	60	
E6561045 (9240410)	<1	7.99	<5	29	208	<5	<0.1	7.77	<0.2	9.8	65.5	0.023	0.8	104	
E6561046 (9240411)	<1	4.69	578	113	183	<5	7.7	4.22	<0.2	70.1	1020	0.007	2.7	3080	
E6561047 (9240412)	<1	8.09	<5	27	169	<5	0.3	7.48	<0.2	9.3	59.0	0.023	0.7	133	
E6561048 (9240413)	<1	8.60	<5	22	280	<5	<0.1	7.02	<0.2	8.5	63.3	0.027	1.0	66	
E6561049 (9240414)	<1	8.12	<5	<20	234	<5	0.2	6.88	<0.2	8.8	74.2	0.024	1.0	78	
E6561050 (9240415)	<1	7.77	8	<20	125	<5	0.4	6.37	<0.2	10.7	79.4	0.021	0.6	252	
E6561051 (9240416)	<1	6.43	<5	<20	177	<5	<0.1	5.09	<0.2	74.1	43.5	0.056	0.6	148	
E6561052 (9240417)	<1	0.07	<5	<20	13.9	<5	<0.1	34.8	<0.2	0.9	1.0	<0.005	<0.1	6	
E6561053 (9240418)	<1	6.06	<5	<20	645	<5	<0.1	5.79	<0.2	71.2	48.3	0.075	0.6	182	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018					DATE REPORTED: Jun 14, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6561054 (9240419)	<1	5.95	<5	<20	318	<5	<0.1	6.23	<0.2	69.4	52.3	0.075	1.0	17	
E6561055 (9240420)	<1	8.07	12	<20	319	<5	0.2	6.42	<0.2	11.2	80.9	0.025	0.6	107	
E6561056 (9240421)	<1	7.89	<5	20	253	<5	0.2	7.33	<0.2	9.9	68.2	0.024	0.6	181	
E6561057 (9240422)	<1	9.39	<5	<20	203	<5	0.1	4.73	<0.2	10.6	42.9	0.027	0.5	128	
E6561058 (9240423)	<1	9.19	<5	<20	184	<5	<0.1	4.62	<0.2	10.6	39.3	0.029	0.6	115	
E6561059 (9240424)	<1	9.95	5	24	217	<5	<0.1	4.28	<0.2	10.2	41.1	0.029	0.9	145	
E6561060 (9240425)	<1	9.04	6	<20	175	<5	<0.1	8.39	<0.2	9.1	52.6	0.030	0.7	42	
E6561061 (9240426)	<1	8.26	<5	20	174	<5	<0.1	10.4	0.7	9.8	49.2	0.025	0.2	30	
E6561062 (9240427)	<1	8.50	<5	42	180	<5	<0.1	9.58	0.8	9.7	49.6	0.028	0.4	52	
E6561063 (9240428)	<1	8.92	7	<20	145	<5	0.1	8.99	<0.2	10.3	42.1	0.028	0.4	36	
E6561064 (9240429)	<1	8.22	5	23	173	<5	<0.1	9.69	<0.2	10.5	52.1	0.026	0.4	21	
E6561065 (9240430)	<1	9.09	<5	47	147	<5	<0.1	8.65	<0.2	10.7	42.5	0.028	0.2	16	
E6561066 (9240431)	<1	4.73	583	111	185	<5	7.4	4.25	<0.2	73.5	1030	0.007	2.7	3090	
E6561067 (9240432)	<1	8.83	<5	35	163	<5	0.2	8.21	<0.2	10.2	40.8	0.027	0.3	14	
E6561068 (9240433)	<1	8.85	<5	<20	176	<5	<0.1	8.46	<0.2	10.2	44.3	0.026	0.4	20	
E6561069 (9240434)	<1	8.41	<5	<20	224	<5	<0.1	7.98	<0.2	9.2	44.3	0.025	0.9	43	
E6561070 (9240435)	<1	8.05	<5	60	208	<5	<0.1	7.56	<0.2	9.2	40.9	0.022	0.4	34	
E6561071 (9240436)	<1	7.56	<5	115	92.7	<5	<0.1	7.09	11.3	8.4	52.4	0.021	0.4	218	
E6561072 (9240437)	<1	0.08	<5	<20	15.5	<5	<0.1	34.2	<0.2	0.9	0.9	<0.005	<0.1	5	
E6561073 (9240438)	<1	7.58	8	154	190	<5	<0.1	7.65	1.0	10.2	51.5	0.021	0.3	73	
E6561074 (9240439)	<1	8.42	<5	132	143	<5	<0.1	6.02	1.2	8.8	45.1	0.022	0.4	46	
E6561075 (9240440)	<1	8.68	47	23	113	<5	0.1	3.51	0.6	9.2	54.4	0.023	0.4	112	
E6561076 (9240441)	<1	7.89	26	<20	101	<5	0.2	5.80	1.6	11.8	51.9	0.018	0.5	48	
E6561077 (9240442)	<1	8.97	<5	22	213	<5	<0.1	4.98	0.5	10.4	36.6	0.025	0.8	27	
E6561078 (9240443)	<1	9.06	<5	22	218	<5	<0.1	5.12	0.6	10.6	35.5	0.026	0.8	27	
E6561079 (9240444)	<1	8.81	5	25	150	<5	<0.1	5.12	1.4	10.8	40.2	0.023	0.5	24	
E6561080 (9240445)	<1	8.30	8	22	185	<5	<0.1	4.81	<0.2	10.8	48.1	0.022	0.6	9	
E6561081 (9240446)	<1	8.96	24	22	162	<5	<0.1	4.20	<0.2	9.5	69.9	0.024	0.6	65	
E6561082 (9240447)	<1	8.61	5	36	254	<5	<0.1	7.94	<0.2	10.9	49.5	0.024	0.4	18	
E6561083 (9240448)	<1	8.00	<5	74	231	<5	<0.1	8.75	<0.2	9.9	50.2	0.022	0.3	14	
E6561084 (9240449)	<1	8.16	<5	103	275	<5	<0.1	8.11	<0.2	9.8	51.7	0.023	0.6	30	
E6561085 (9240450)	<1	7.90	6	215	211	<5	<0.1	6.59	2.5	8.6	56.8	0.021	0.8	79	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6561086 (9240451)		48	6.13	60100	<20	26.7	<5	502	8.36	0.2	16.7	18900	0.025	0.6	66
E6561087 (9240452)		<1	7.96	38	440	186	<5	2.7	7.49	1.0	10.3	61.2	0.021	0.7	52
E6561088 (9240453)		<1	8.62	10	34	260	<5	0.5	7.25	0.4	11.0	45.8	0.023	0.5	64
E6561089 (9240454)		<1	6.67	5	110	285	<5	0.3	5.87	0.2	52.8	43.8	0.040	0.4	138
E6561090 (9240455)		<1	8.78	<5	39	266	<5	<0.1	7.78	<0.2	10.4	46.2	0.024	0.5	37
E6561091 (9240456)		<1	8.33	<5	72	195	<5	<0.1	6.78	<0.2	10.4	51.5	0.022	0.5	139
E6561092 (9240457)		<1	0.10	<5	34	15.8	<5	<0.1	34.7	<0.2	0.9	1.0	<0.005	<0.1	6
E6561093 (9240458)		<1	8.35	<5	28	234	<5	<0.1	6.65	<0.2	8.9	52.0	0.022	0.9	132
E6561094 (9240459)		<1	8.47	<5	32	252	<5	<0.1	6.86	<0.2	9.7	55.7	0.022	0.7	59
E6561095 (9240460)		<1	7.31	13	<20	103	<5	<0.1	7.49	<0.2	30.3	59.9	0.020	1.1	243
E6561096 (9240461)		<1	6.49	<5	<20	37.2	<5	<0.1	5.61	<0.2	31.7	62.2	0.019	1.1	140
E6561097 (9240462)		<1	7.59	<5	22	171	<5	<0.1	6.10	<0.2	13.3	50.7	0.019	1.0	37
E6561098 (9240463)		<1	7.89	<5	25	187	<5	<0.1	6.36	<0.2	12.2	50.0	0.021	1.1	33
E6561099 (9240464)		<1	8.43	<5	30	206	<5	<0.1	6.82	<0.2	9.8	52.6	0.022	1.0	22
E6561100 (9240465)		<1	8.62	<5	38	253	<5	<0.1	6.91	<0.2	9.5	54.2	0.022	1.1	22

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6561022 (9240387)		3.82	2.33	0.71	7.53	17.8	3.26	1	2	0.78	<0.2	0.69	3.4	11	0.33
E6561023 (9240388)		4.24	2.46	0.84	9.25	17.9	3.67	1	2	0.85	<0.2	0.72	3.6	10	0.36
E6561024 (9240389)		4.10	2.41	0.89	9.49	17.6	3.38	2	2	0.80	<0.2	0.77	3.6	12	0.34
E6561025 (9240390)		3.85	2.36	0.82	8.00	19.0	3.21	1	2	0.76	<0.2	0.69	3.4	10	0.32
E6561026 (9240391)		3.13	1.84	0.82	3.18	12.1	4.13	2	4	0.56	<0.2	3.48	33.0	11	0.25
E6561027 (9240392)		4.04	2.41	0.84	9.09	18.6	3.38	1	2	0.80	<0.2	0.64	3.5	10	0.36
E6561028 (9240393)		4.21	2.47	0.79	11.0	18.8	3.38	2	2	0.84	<0.2	0.81	3.2	13	0.39
E6561029 (9240394)		4.10	2.46	0.87	6.93	19.5	3.71	1	2	0.82	<0.2	0.93	3.7	12	0.34
E6561030 (9240395)		4.12	2.59	0.89	11.1	18.5	3.33	2	2	0.86	<0.2	0.78	3.6	17	0.40
E6561031 (9240396)		4.10	2.34	1.01	8.50	18.5	4.45	2	2	0.76	<0.2	0.69	10.2	15	0.34
E6561032 (9240397)		0.20	0.14	<0.05	0.11	0.17	0.22	<1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6561033 (9240398)		3.96	2.40	0.65	12.1	17.6	3.19	2	2	0.79	<0.2	0.88	3.5	15	0.39
E6561034 (9240399)		4.31	2.56	1.05	11.9	18.3	3.36	2	2	0.83	<0.2	0.67	3.8	11	0.39
E6561035 (9240400)		3.99	2.44	0.82	9.23	18.4	3.39	1	2	0.81	<0.2	0.87	3.4	14	0.36
E6561036 (9240401)		3.83	2.36	1.05	11.5	17.8	3.15	1	2	0.81	<0.2	0.65	3.3	15	0.39
E6561037 (9240402)		3.84	2.36	0.77	10.3	18.0	3.17	2	2	0.79	<0.2	0.66	3.3	12	0.37
E6561038 (9240403)		3.73	2.34	0.79	10.3	17.6	2.99	2	2	0.78	<0.2	0.66	3.3	15	0.34
E6561039 (9240404)		3.71	2.36	1.06	10.3	17.3	3.85	1	2	0.76	<0.2	0.52	10.5	17	0.33
E6561040 (9240405)		3.60	2.10	0.80	9.15	17.2	2.84	1	2	0.71	<0.2	0.79	3.2	16	0.33
E6561041 (9240406)		4.09	2.43	0.96	10.5	17.5	3.19	2	2	0.82	<0.2	0.70	3.7	16	0.39
E6561042 (9240407)		3.42	2.11	0.83	6.88	17.9	2.99	2	2	0.71	<0.2	0.84	3.7	14	0.29
E6561043 (9240408)		3.48	2.05	0.64	8.61	18.4	2.87	1	2	0.70	<0.2	0.64	3.2	28	0.31
E6561044 (9240409)		4.01	2.45	0.87	10.2	17.5	3.34	2	2	0.82	<0.2	0.55	3.5	19	0.36
E6561045 (9240410)		4.09	2.50	0.85	10.1	17.6	3.36	2	2	0.83	<0.2	0.95	3.7	14	0.36
E6561046 (9240411)		3.29	1.92	0.93	3.31	12.1	4.34	2	5	0.63	<0.2	3.50	34.9	<10	0.26
E6561047 (9240412)		3.86	2.44	0.76	10.5	17.7	3.16	2	2	0.81	<0.2	0.74	3.6	12	0.38
E6561048 (9240413)		3.47	2.08	0.69	8.06	18.1	2.83	2	2	0.70	<0.2	1.02	3.1	16	0.31
E6561049 (9240414)		3.82	2.42	0.92	10.1	17.6	3.27	2	2	0.79	<0.2	0.85	3.3	17	0.34
E6561050 (9240415)		3.91	2.37	0.84	10.4	17.3	3.33	2	2	0.80	<0.2	0.42	4.6	13	0.39
E6561051 (9240416)		4.28	1.86	1.99	9.07	16.9	7.28	2	4	0.74	<0.2	0.26	35.2	28	0.25
E6561052 (9240417)		0.17	0.11	<0.05	0.12	0.20	0.21	<1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6561053 (9240418)		4.14	1.81	2.02	7.55	15.0	7.13	2	3	0.69	<0.2	0.63	32.4	29	0.24

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6561054 (9240419)	3.99	1.80	1.96	7.87	15.3	6.89	2	3	0.68	<0.2	0.52	31.3	34	0.23
E6561055 (9240420)	3.88	2.46	0.80	10.8	16.6	3.32	1	2	0.79	<0.2	0.65	4.7	14	0.38
E6561056 (9240421)	3.63	2.41	0.75	12.2	16.5	3.22	1	2	0.77	<0.2	0.72	4.0	12	0.37
E6561057 (9240422)	3.64	2.11	0.85	6.29	19.7	3.20	1	2	0.73	<0.2	0.84	4.2	12	0.31
E6561058 (9240423)	3.53	2.08	0.86	5.89	20.3	3.05	1	2	0.70	<0.2	0.81	4.1	12	0.29
E6561059 (9240424)	3.33	1.88	0.74	4.23	20.4	3.16	1	2	0.64	<0.2	0.98	4.0	16	0.25
E6561060 (9240425)	3.78	2.26	0.68	7.29	19.5	3.14	2	2	0.79	<0.2	0.72	3.4	12	0.34
E6561061 (9240426)	4.18	2.55	0.84	8.34	18.0	3.37	2	2	0.85	<0.2	0.72	3.7	<10	0.35
E6561062 (9240427)	4.11	2.43	0.86	7.58	17.6	3.51	2	2	0.83	<0.2	0.73	3.6	<10	0.35
E6561063 (9240428)	4.19	2.54	0.90	6.40	19.1	3.48	2	2	0.82	<0.2	0.56	3.9	<10	0.36
E6561064 (9240429)	4.28	2.61	0.98	7.29	18.3	3.76	2	2	0.86	<0.2	0.68	3.9	<10	0.39
E6561065 (9240430)	4.65	2.60	0.90	6.04	19.0	3.84	2	2	0.87	<0.2	0.54	4.0	<10	0.37
E6561066 (9240431)	3.25	1.82	0.92	3.31	11.7	4.58	1	4	0.64	0.2	3.35	35.5	<10	0.27
E6561067 (9240432)	4.24	2.54	0.85	6.49	17.8	3.39	2	2	0.80	<0.2	0.66	3.9	<10	0.36
E6561068 (9240433)	3.93	2.42	0.84	6.45	18.4	3.42	2	2	0.82	<0.2	0.72	3.8	<10	0.37
E6561069 (9240434)	3.99	2.35	0.75	7.08	17.4	3.14	2	2	0.78	<0.2	0.80	3.4	<10	0.35
E6561070 (9240435)	3.83	2.21	0.87	7.56	16.8	3.16	2	2	0.77	<0.2	0.65	3.4	<10	0.34
E6561071 (9240436)	3.55	2.17	0.67	8.64	16.5	2.91	2	2	0.70	<0.2	0.36	3.2	11	0.33
E6561072 (9240437)	0.22	0.13	<0.05	0.09	0.17	0.25	<1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6561073 (9240438)	4.23	2.44	0.79	8.90	16.1	3.49	2	2	0.85	<0.2	0.53	3.9	<10	0.37
E6561074 (9240439)	3.56	2.15	0.73	9.17	16.4	2.98	2	2	0.72	<0.2	0.49	3.2	14	0.33
E6561075 (9240440)	3.80	2.23	0.87	7.64	15.9	3.13	1	2	0.79	<0.2	0.47	3.5	19	0.34
E6561076 (9240441)	4.82	2.89	1.28	11.0	18.9	3.78	2	2	0.99	<0.2	0.38	4.6	18	0.44
E6561077 (9240442)	3.96	2.35	0.87	6.03	18.4	3.45	1	2	0.80	<0.2	0.80	3.9	15	0.33
E6561078 (9240443)	4.02	2.38	0.86	6.21	17.6	3.44	1	2	0.80	<0.2	0.80	4.0	14	0.34
E6561079 (9240444)	4.08	2.55	1.04	8.05	17.0	3.66	1	2	0.84	<0.2	0.53	4.2	20	0.37
E6561080 (9240445)	4.26	2.63	1.12	9.59	16.6	3.71	2	2	0.88	<0.2	0.57	4.3	29	0.39
E6561081 (9240446)	4.36	2.59	1.04	7.65	17.7	3.56	1	2	0.90	<0.2	0.84	4.2	26	0.38
E6561082 (9240447)	4.44	2.70	0.94	8.36	18.0	3.65	2	2	0.88	<0.2	0.94	4.3	11	0.38
E6561083 (9240448)	4.19	2.60	0.89	9.73	17.3	3.26	2	2	0.81	<0.2	0.73	3.7	13	0.36
E6561084 (9240449)	4.09	2.51	0.98	9.21	16.9	3.33	2	2	0.81	<0.2	1.06	3.7	13	0.36
E6561085 (9240450)	3.95	2.22	0.77	9.87	16.8	3.18	2	2	0.79	<0.2	0.90	3.2	26	0.34

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6561086 (9240451)		7.75	4.04	0.58	8.24	12.6	7.19	1	<1	1.42	0.2	0.11	6.4	32	0.50
E6561087 (9240452)		3.94	2.59	0.91	9.54	18.3	3.41	2	2	0.80	<0.2	0.91	4.2	18	0.35
E6561088 (9240453)		4.16	2.63	1.08	7.78	17.9	3.58	2	2	0.83	<0.2	1.17	4.4	14	0.37
E6561089 (9240454)		4.24	1.96	1.66	7.63	15.7	6.05	1	3	0.69	<0.2	0.76	22.2	24	0.24
E6561090 (9240455)		4.09	2.37	0.91	7.49	17.7	3.41	2	2	0.78	<0.2	1.24	3.9	12	0.35
E6561091 (9240456)		4.11	2.46	0.97	9.68	18.2	3.35	2	2	0.81	<0.2	0.96	4.1	20	0.37
E6561092 (9240457)		0.21	0.13	<0.05	0.12	0.24	0.23	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6561093 (9240458)		3.85	2.28	0.82	9.48	17.2	3.19	2	2	0.77	<0.2	1.31	3.4	21	0.31
E6561094 (9240459)		4.20	2.53	0.90	8.94	17.3	3.26	2	2	0.82	<0.2	1.40	3.8	20	0.36
E6561095 (9240460)		5.70	2.89	1.99	9.00	17.0	6.33	2	2	1.09	0.3	0.64	13.7	28	0.40
E6561096 (9240461)		4.64	2.46	2.20	9.43	18.0	4.92	2	2	0.87	0.2	0.23	16.6	29	0.35
E6561097 (9240462)		3.91	2.19	1.56	7.87	16.7	3.46	2	2	0.76	<0.2	0.92	6.3	19	0.31
E6561098 (9240463)		3.72	2.28	1.50	7.99	16.7	3.49	2	2	0.75	<0.2	1.01	5.8	20	0.32
E6561099 (9240464)		3.84	2.43	0.96	8.80	16.8	3.24	2	2	0.81	<0.2	1.15	4.1	23	0.34
E6561100 (9240465)		3.77	2.21	0.91	9.05	17.0	3.16	2	2	0.76	<0.2	1.25	3.7	22	0.32

Certified By:



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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018							DATE REPORTED: Jun 14, 2018					SAMPLE TYPE: Drill Core		
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561022 (9240387)	2.04	2240	3	<1	7.0	84	0.03	8	1.31	25.6	<0.01	<0.1	45	22.8	
E6561023 (9240388)	2.29	2710	3	<1	7.7	100	0.04	7	1.43	22.4	0.14	<0.1	51	21.6	
E6561024 (9240389)	2.38	2690	3	<1	7.3	106	0.03	146	1.34	25.9	0.37	<0.1	46	21.0	
E6561025 (9240390)	2.09	2610	3	<1	7.2	97	0.04	18	1.35	26.0	0.17	<0.1	46	21.9	
E6561026 (9240391)	2.63	489	13	6	28.1	173	0.07	12	7.69	112	1.67	0.7	7	25.3	
E6561027 (9240392)	2.07	2650	4	<1	7.2	103	0.03	8	1.42	22.0	0.13	<0.1	51	21.8	
E6561028 (9240393)	2.43	3080	<2	<1	7.0	107	0.03	<5	1.32	28.3	0.14	<0.1	59	20.3	
E6561029 (9240394)	1.79	1970	4	<1	8.0	99	0.04	8	1.45	34.5	0.10	<0.1	51	23.2	
E6561030 (9240395)	2.65	2800	3	<1	7.1	110	0.03	9	1.36	31.2	0.38	<0.1	55	20.6	
E6561031 (9240396)	3.18	2530	2	2	16.3	157	0.10	24	3.50	21.9	0.11	<0.1	44	21.7	
E6561032 (9240397)	2.48	81	<2	<1	0.8	<5	<0.01	<5	0.17	0.3	<0.01	<0.1	<5	3.34	
E6561033 (9240398)	2.68	3550	<2	<1	6.9	131	0.04	10	1.37	31.0	0.59	<0.1	46	20.1	
E6561034 (9240399)	2.67	3230	<2	<1	7.3	115	0.03	7	1.43	18.9	0.39	<0.1	49	20.8	
E6561035 (9240400)	2.07	2620	2	<1	7.2	109	0.04	<5	1.39	27.1	0.09	<0.1	46	21.9	
E6561036 (9240401)	2.73	3030	<2	<1	7.0	118	0.03	6	1.30	20.7	0.20	<0.1	47	20.9	
E6561037 (9240402)	2.42	2770	<2	<1	6.9	115	0.04	<5	1.31	21.0	0.24	<0.1	46	22.1	
E6561038 (9240403)	2.46	2800	<2	<1	6.9	116	0.04	6	1.28	20.4	0.26	<0.1	46	22.3	
E6561039 (9240404)	3.17	2530	2	2	15.6	114	0.06	11	3.42	13.7	0.17	<0.1	42	21.9	
E6561040 (9240405)	2.66	2500	<2	<1	6.6	132	0.03	31	1.21	25.7	0.21	<0.1	45	21.8	
E6561041 (9240406)	3.21	2510	14	<1	7.2	1000	0.03	15	1.38	20.6	0.34	<0.1	48	21.3	
E6561042 (9240407)	3.04	2000	4	<1	7.1	128	0.03	130	1.41	32.4	0.04	<0.1	40	23.9	
E6561043 (9240408)	3.86	2240	4	<1	6.5	113	0.03	35	1.24	23.6	0.02	<0.1	47	22.9	
E6561044 (9240409)	3.46	2530	<2	<1	7.2	132	0.04	17	1.37	17.4	0.08	<0.1	49	21.5	
E6561045 (9240410)	3.49	2660	4	<1	7.6	110	0.04	10	1.45	37.9	0.14	<0.1	48	21.3	
E6561046 (9240411)	2.67	490	14	6	30.5	171	0.07	13	8.19	115	1.67	0.6	7	26.6	
E6561047 (9240412)	3.04	2770	3	<1	7.2	98	0.04	<5	1.40	25.2	0.25	<0.1	43	22.9	
E6561048 (9240413)	3.19	2040	2	<1	6.5	121	0.04	<5	1.25	40.3	0.08	<0.1	49	23.4	
E6561049 (9240414)	3.23	2250	7	<1	7.0	119	0.04	5	1.30	32.4	0.39	<0.1	46	22.0	
E6561050 (9240415)	3.05	2420	2	<1	7.7	116	0.04	27	1.54	11.6	0.62	<0.1	45	22.3	
E6561051 (9240416)	6.21	2240	<2	2	40.7	152	0.29	6	9.43	5.3	0.01	<0.1	25	22.6	
E6561052 (9240417)	2.48	74	<2	<1	0.9	<5	0.01	<5	0.17	<0.2	<0.01	<0.1	<5	4.04	
E6561053 (9240418)	6.70	2130	<2	2	39.7	166	0.28	12	9.30	12.0	<0.01	<0.1	25	23.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018					DATE REPORTED: Jun 14, 2018					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %	
Sample ID (AGAT ID)	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6561054 (9240419)	6.88	2650	2	2	37.9	169	0.29	19	8.84	18.8	<0.01	<0.1	25	23.1	
E6561055 (9240420)	2.82	2950	<2	<1	8.0	120	0.04	11	1.55	17.4	0.50	<0.1	53	21.9	
E6561056 (9240421)	2.65	3560	2	<1	7.5	99	0.04	<5	1.43	19.8	0.46	<0.1	43	20.9	
E6561057 (9240422)	1.39	1690	3	<1	7.9	69	0.05	6	1.57	27.6	0.26	<0.1	39	26.1	
E6561058 (9240423)	1.24	1600	4	<1	7.8	59	0.04	<5	1.55	29.2	0.22	<0.1	37	25.5	
E6561059 (9240424)	1.03	1210	5	<1	7.6	65	0.05	<5	1.48	41.2	0.09	<0.1	31	27.6	
E6561060 (9240425)	2.01	2000	11	<1	7.3	94	0.05	15	1.36	27.7	0.02	<0.1	47	23.0	
E6561061 (9240426)	2.58	2470	29	<1	7.8	93	0.04	37	1.49	25.1	<0.01	<0.1	48	23.2	
E6561062 (9240427)	2.32	2300	19	<1	7.8	82	0.04	32	1.48	28.6	0.04	<0.1	49	24.0	
E6561063 (9240428)	1.98	2100	19	<1	8.1	66	0.05	12	1.55	22.2	<0.01	<0.1	49	24.2	
E6561064 (9240429)	2.38	2060	12	<1	8.2	86	0.04	9	1.61	25.2	<0.01	<0.1	48	22.2	
E6561065 (9240430)	2.06	1660	10	<1	8.5	68	0.04	6	1.65	17.5	<0.01	<0.1	52	24.3	
E6561066 (9240431)	2.71	488	12	5	31.2	175	0.07	12	8.29	112	1.72	0.6	7	26.6	
E6561067 (9240432)	2.39	1730	6	<1	8.1	70	0.05	6	1.52	24.7	<0.01	<0.1	51	24.0	
E6561068 (9240433)	2.38	1720	5	<1	8.0	68	0.04	5	1.52	27.7	<0.01	<0.1	52	23.8	
E6561069 (9240434)	2.57	2020	11	<1	7.1	60	0.04	48	1.37	34.0	<0.01	<0.1	49	23.8	
E6561070 (9240435)	2.84	2080	5	<1	7.2	60	0.04	22	1.35	23.7	<0.01	0.1	50	23.3	
E6561071 (9240436)	3.09	2600	8	<1	6.3	63	0.03	218	1.23	12.0	0.25	0.6	49	22.4	
E6561072 (9240437)	2.32	76	<2	<1	0.9	<5	0.01	<5	0.18	<0.2	<0.01	<0.1	<5	3.57	
E6561073 (9240438)	3.08	2980	11	<1	7.8	70	0.04	99	1.54	16.9	0.11	0.4	54	23.4	
E6561074 (9240439)	3.01	2910	3	<1	6.6	62	0.05	65	1.30	17.0	0.07	0.3	49	24.2	
E6561075 (9240440)	2.61	2100	2	<1	7.3	55	0.04	52	1.31	9.2	0.49	0.5	46	25.2	
E6561076 (9240441)	3.39	2930	<2	<1	9.1	79	0.05	834	1.74	9.9	0.31	1.3	57	22.4	
E6561077 (9240442)	2.11	1970	<2	<1	8.3	62	0.05	85	1.58	35.8	<0.01	<0.1	50	25.3	
E6561078 (9240443)	2.21	2010	<2	<1	8.0	63	0.05	94	1.62	34.2	<0.01	<0.1	52	25.5	
E6561079 (9240444)	2.93	2240	5	<1	8.6	75	0.04	111	1.61	21.3	0.07	0.2	54	24.5	
E6561080 (9240445)	3.40	2220	14	<1	8.0	79	0.04	69	1.54	22.7	<0.01	<0.1	51	23.3	
E6561081 (9240446)	3.05	1620	8	<1	7.7	88	0.05	20	1.55	24.9	<0.01	<0.1	53	23.8	
E6561082 (9240447)	2.87	1950	8	<1	8.4	86	0.04	43	1.64	36.7	<0.01	0.5	50	23.8	
E6561083 (9240448)	3.58	2330	9	<1	7.8	84	0.05	25	1.48	26.0	<0.01	0.4	47	22.7	
E6561084 (9240449)	3.20	2260	9	<1	7.6	84	0.04	37	1.49	41.3	<0.01	0.1	48	23.2	
E6561085 (9240450)	4.33	2790	11	<1	6.9	91	0.04	131	1.33	40.2	0.13	<0.1	47	22.4	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6561086 (9240451)		5.21	1940	97	<1	13.3	2700	0.03	<5	2.56	2.7	1.27	79.5	36	15.4
E6561087 (9240452)		3.59	3080	3	<1	8.2	108	0.04	103	1.53	40.9	0.20	0.7	46	21.9
E6561088 (9240453)		2.88	1780	8	<1	8.5	78	0.05	52	1.62	48.5	0.02	<0.1	51	24.3
E6561089 (9240454)		5.50	1900	5	3	31.0	243	0.22	161	7.09	20.2	<0.01	<0.1	28	23.9
E6561090 (9240455)		2.79	1830	6	<1	8.3	72	0.04	56	1.59	48.5	<0.01	<0.1	50	24.5
E6561091 (9240456)		3.56	2160	2	<1	7.7	84	0.05	16	1.56	39.4	<0.01	<0.1	48	23.9
E6561092 (9240457)		3.18	67	<2	<1	0.9	<5	0.01	<5	0.17	0.3	<0.01	<0.1	<5	4.56
E6561093 (9240458)		3.51	1940	5	<1	7.2	87	0.04	13	1.34	59.5	0.05	<0.1	49	23.5
E6561094 (9240459)		3.55	1810	3	<1	8.0	85	0.05	9	1.48	62.6	0.06	<0.1	49	23.9
E6561095 (9240460)		3.96	1870	2	<1	19.1	79	0.04	12	4.13	29.1	0.08	<0.1	47	21.3
E6561096 (9240461)		4.13	1710	7	<1	17.0	76	0.04	7	3.90	10.7	0.10	0.2	42	20.8
E6561097 (9240462)		3.16	1590	7	<1	9.1	78	0.03	<5	1.85	49.8	<0.01	<0.1	42	23.2
E6561098 (9240463)		3.27	1590	7	<1	8.6	83	0.04	<5	1.71	51.3	<0.01	<0.1	45	22.4
E6561099 (9240464)		3.74	1920	3	<1	7.4	85	0.04	<5	1.44	53.9	<0.01	<0.1	50	24.0
E6561100 (9240465)		3.55	2140	2	<1	7.5	86	0.04	12	1.45	57.4	<0.01	0.1	50	24.3

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TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018					DATE REPORTED: Jun 14, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6561022 (9240387)	2.3	<1	126	<0.5	0.55	0.4	0.65	<0.5	0.33	0.07	306	1	21.4	2.2	
E6561023 (9240388)	2.6	<1	150	<0.5	0.60	0.4	0.63	<0.5	0.35	0.08	325	2	23.1	2.4	
E6561024 (9240389)	2.4	<1	128	<0.5	0.59	0.4	0.62	<0.5	0.35	0.11	308	1	22.9	2.4	
E6561025 (9240390)	2.3	<1	133	<0.5	0.55	0.4	0.64	<0.5	0.33	0.07	313	<1	21.9	2.1	
E6561026 (9240391)	5.1	<1	28.8	<0.5	0.56	10.1	0.23	0.9	0.25	6.35	59	3	18.5	1.8	
E6561027 (9240392)	2.4	<1	124	<0.5	0.60	0.5	0.65	<0.5	0.36	0.07	331	<1	22.6	2.4	
E6561028 (9240393)	2.3	<1	144	<0.5	0.59	0.4	0.64	<0.5	0.37	0.09	362	<1	24.0	2.6	
E6561029 (9240394)	2.5	<1	166	<0.5	0.58	0.4	0.69	<0.5	0.35	0.08	340	1	23.2	2.2	
E6561030 (9240395)	2.4	<1	169	<0.5	0.57	0.4	0.59	<0.5	0.38	0.07	333	<1	24.1	2.7	
E6561031 (9240396)	3.9	<1	183	<0.5	0.65	1.2	0.65	<0.5	0.33	0.35	290	<1	22.2	2.1	
E6561032 (9240397)	0.1	<1	49.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.07	<5	<1	2.1	<0.1	
E6561033 (9240398)	2.2	<1	127	<0.5	0.55	0.4	0.57	<0.5	0.36	0.09	298	<1	23.2	2.5	
E6561034 (9240399)	2.5	<1	150	<0.5	0.58	0.4	0.58	<0.5	0.37	0.23	313	<1	23.3	2.6	
E6561035 (9240400)	2.4	<1	155	<0.5	0.59	0.4	0.66	<0.5	0.36	0.10	329	<1	22.3	2.5	
E6561036 (9240401)	2.2	<1	129	<0.5	0.56	0.4	0.60	<0.5	0.35	0.24	314	<1	23.0	2.5	
E6561037 (9240402)	2.3	<1	112	<0.5	0.53	0.4	0.62	<0.5	0.32	0.11	315	<1	22.6	2.3	
E6561038 (9240403)	2.1	<1	113	<0.5	0.54	0.4	0.62	<0.5	0.33	0.11	320	<1	21.6	2.3	
E6561039 (9240404)	3.4	<1	189	<0.5	0.62	1.4	0.58	<0.5	0.32	0.32	294	<1	20.6	2.3	
E6561040 (9240405)	2.0	<1	134	<0.5	0.51	0.4	0.63	<0.5	0.32	0.09	318	<1	19.0	2.2	
E6561041 (9240406)	2.4	<1	174	<0.5	0.60	0.4	0.58	<0.5	0.34	0.14	318	1	22.5	2.4	
E6561042 (9240407)	2.2	<1	187	<0.5	0.52	0.4	0.65	<0.5	0.30	0.09	299	<1	19.0	2.0	
E6561043 (9240408)	2.0	<1	103	<0.5	0.47	0.3	0.64	<0.5	0.30	0.12	332	<1	19.2	2.1	
E6561044 (9240409)	2.3	<1	140	<0.5	0.56	0.3	0.64	<0.5	0.35	0.15	335	1	22.4	2.5	
E6561045 (9240410)	2.5	<1	142	<0.5	0.60	0.3	0.61	<0.5	0.35	0.07	322	<1	22.5	2.4	
E6561046 (9240411)	5.4	<1	29.2	<0.5	0.60	10.2	0.24	0.9	0.26	6.50	60	4	18.9	1.8	
E6561047 (9240412)	2.3	<1	133	<0.5	0.56	0.4	0.61	<0.5	0.36	0.08	320	<1	21.7	2.4	
E6561048 (9240413)	2.1	<1	178	<0.5	0.50	0.3	0.65	<0.5	0.28	0.07	353	<1	19.4	2.1	
E6561049 (9240414)	2.2	<1	186	<0.5	0.51	0.3	0.61	<0.5	0.33	0.08	323	<1	21.3	2.2	
E6561050 (9240415)	2.5	<1	254	<0.5	0.55	0.3	0.59	<0.5	0.37	0.17	294	<1	22.1	2.6	
E6561051 (9240416)	8.4	<1	421	<0.5	0.90	4.7	0.50	<0.5	0.27	1.39	198	<1	20.5	1.7	
E6561052 (9240417)	0.2	<1	49.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.1	0.1	
E6561053 (9240418)	8.2	<1	556	<0.5	0.86	4.2	0.49	<0.5	0.24	1.28	177	<1	19.0	1.6	

Certified By:



Certificate of Analysis

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561054 (9240419)	7.9	<1	490	<0.5	0.82	4.2	0.49	<0.5	0.24	1.24	177	<1	19.0	1.6
E6561055 (9240420)	2.4	<1	223	<0.5	0.54	0.5	0.62	<0.5	0.35	0.16	333	<1	21.0	2.5
E6561056 (9240421)	2.4	<1	163	<0.5	0.54	0.4	0.60	<0.5	0.34	0.10	314	1	21.5	2.4
E6561057 (9240422)	2.4	<1	166	<0.5	0.52	0.4	0.72	<0.5	0.30	0.09	316	<1	18.7	2.0
E6561058 (9240423)	2.5	<1	161	<0.5	0.51	0.3	0.71	<0.5	0.29	0.08	304	<1	18.8	2.1
E6561059 (9240424)	2.4	<1	164	<0.5	0.51	0.3	0.71	<0.5	0.26	0.09	284	<1	18.2	1.8
E6561060 (9240425)	2.4	<1	245	<0.5	0.53	0.3	0.69	<0.5	0.36	0.07	334	2	20.3	2.3
E6561061 (9240426)	2.6	<1	253	<0.5	0.60	0.5	0.63	<0.5	0.36	0.06	317	2	21.6	2.4
E6561062 (9240427)	2.5	<1	237	<0.5	0.63	0.4	0.66	<0.5	0.36	0.06	319	2	21.8	2.4
E6561063 (9240428)	2.7	<1	230	<0.5	0.61	0.4	0.69	<0.5	0.34	0.07	317	2	22.0	2.3
E6561064 (9240429)	2.7	<1	215	<0.5	0.62	0.3	0.65	<0.5	0.39	0.07	307	2	24.4	2.6
E6561065 (9240430)	2.7	<1	218	<0.5	0.62	0.3	0.71	<0.5	0.37	0.08	326	<1	23.7	2.4
E6561066 (9240431)	5.5	<1	29.2	<0.5	0.57	9.8	0.24	0.7	0.26	6.48	61	3	18.4	1.9
E6561067 (9240432)	2.6	<1	210	<0.5	0.59	0.5	0.68	<0.5	0.35	0.08	351	<1	21.5	2.4
E6561068 (9240433)	2.4	<1	210	<0.5	0.59	0.4	0.68	<0.5	0.37	0.08	345	1	21.7	2.4
E6561069 (9240434)	2.2	<1	219	<0.5	0.54	0.3	0.65	<0.5	0.33	0.06	330	2	21.0	2.3
E6561070 (9240435)	2.3	<1	319	<0.5	0.57	0.3	0.61	<0.5	0.35	0.10	325	2	20.3	2.3
E6561071 (9240436)	2.1	<1	302	<0.5	0.52	0.2	0.58	<0.5	0.32	0.08	327	2	19.7	2.0
E6561072 (9240437)	0.2	<1	49.4	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.27	<5	<1	2.2	<0.1
E6561073 (9240438)	2.4	<1	276	<0.5	0.59	0.3	0.60	<0.5	0.35	0.08	331	2	21.8	2.5
E6561074 (9240439)	2.0	<1	317	<0.5	0.52	0.3	0.62	<0.5	0.32	0.07	334	2	19.1	2.2
E6561075 (9240440)	2.3	<1	216	<0.5	0.55	0.3	0.69	<0.5	0.34	0.16	327	1	19.5	2.3
E6561076 (9240441)	2.8	<1	327	<0.5	0.69	0.4	0.72	<0.5	0.44	0.23	400	2	26.1	2.9
E6561077 (9240442)	2.5	<1	164	<0.5	0.60	0.3	0.70	<0.5	0.35	0.11	354	<1	21.2	2.3
E6561078 (9240443)	2.6	<1	167	<0.5	0.59	0.3	0.70	<0.5	0.34	0.11	362	<1	20.7	2.2
E6561079 (9240444)	2.6	<1	228	<0.5	0.62	0.3	0.68	<0.5	0.36	0.17	350	1	21.0	2.4
E6561080 (9240445)	2.5	<1	187	<0.5	0.63	0.3	0.66	<0.5	0.38	0.22	331	<1	23.3	2.7
E6561081 (9240446)	2.5	<1	197	<0.5	0.64	0.3	0.71	<0.5	0.37	0.24	329	<1	23.8	2.5
E6561082 (9240447)	2.7	<1	290	<0.5	0.63	0.4	0.67	<0.5	0.38	0.12	332	<1	23.1	2.5
E6561083 (9240448)	2.5	<1	309	<0.5	0.61	0.3	0.62	<0.5	0.35	0.11	313	<1	21.4	2.4
E6561084 (9240449)	2.5	<1	274	<0.5	0.56	0.3	0.63	<0.5	0.36	0.12	312	<1	22.3	2.4
E6561085 (9240450)	2.3	<1	177	<0.5	0.55	0.3	0.61	<0.5	0.34	0.09	312	<1	21.9	2.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6561086 (9240451)		5.0	<1	63.6	<0.5	1.23	0.3	0.21	<0.5	0.56	11.6	173	<1	42.6	3.5
E6561087 (9240452)		2.5	<1	278	<0.5	0.59	0.3	0.60	<0.5	0.38	0.14	311	<1	21.8	2.4
E6561088 (9240453)		2.5	<1	287	<0.5	0.59	0.3	0.66	<0.5	0.36	0.10	337	<1	22.1	2.4
E6561089 (9240454)		6.6	<1	287	<0.5	0.80	2.4	0.63	<0.5	0.26	0.79	201	<1	19.7	1.7
E6561090 (9240455)		2.6	<1	311	<0.5	0.58	0.4	0.67	<0.5	0.35	0.10	329	<1	21.0	2.4
E6561091 (9240456)		2.4	<1	279	<0.5	0.59	0.4	0.64	<0.5	0.36	0.16	320	<1	21.9	2.5
E6561092 (9240457)		0.1	<1	50.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.2	0.1
E6561093 (9240458)		2.3	<1	208	<0.5	0.56	0.3	0.63	<0.5	0.32	0.09	330	<1	20.2	2.2
E6561094 (9240459)		2.4	<1	207	<0.5	0.58	0.3	0.64	<0.5	0.37	0.09	326	<1	21.8	2.4
E6561095 (9240460)		5.4	<1	82.4	<0.5	0.93	0.3	0.62	<0.5	0.42	0.28	313	<1	29.5	2.7
E6561096 (9240461)		4.3	<1	44.5	<0.5	0.74	0.3	0.61	<0.5	0.35	0.44	281	<1	23.4	2.4
E6561097 (9240462)		2.8	<1	117	<0.5	0.58	0.3	0.59	<0.5	0.32	0.20	280	<1	20.8	2.2
E6561098 (9240463)		2.6	<1	126	<0.5	0.59	0.3	0.60	<0.5	0.33	0.20	303	<1	20.0	2.2
E6561099 (9240464)		2.4	<1	157	<0.5	0.56	0.3	0.64	<0.5	0.33	0.11	333	<1	20.7	2.3
E6561100 (9240465)		2.3	<1	199	<0.5	0.54	0.3	0.64	<0.5	0.34	0.08	331	<1	19.7	2.1

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AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6561022 (9240387)		80	59.8
E6561023 (9240388)		90	58.6
E6561024 (9240389)		1140	57.3
E6561025 (9240390)		91	61.0
E6561026 (9240391)		6	157
E6561027 (9240392)		118	59.7
E6561028 (9240393)		108	59.3
E6561029 (9240394)		73	64.8
E6561030 (9240395)		107	56.8
E6561031 (9240396)		134	87.7
E6561032 (9240397)		<5	2.2
E6561033 (9240398)		119	56.1
E6561034 (9240399)		108	54.9
E6561035 (9240400)		90	59.3
E6561036 (9240401)		113	57.2
E6561037 (9240402)		102	56.6
E6561038 (9240403)		102	55.7
E6561039 (9240404)		110	61.0
E6561040 (9240405)		135	55.3
E6561041 (9240406)		101	53.7
E6561042 (9240407)		95	57.5
E6561043 (9240408)		147	57.5
E6561044 (9240409)		104	57.0
E6561045 (9240410)		89	56.5
E6561046 (9240411)		6	165
E6561047 (9240412)		88	55.1
E6561048 (9240413)		76	56.5
E6561049 (9240414)		89	54.9
E6561050 (9240415)		110	53.3
E6561051 (9240416)		129	145
E6561052 (9240417)		<5	2.2
E6561053 (9240418)		163	129

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AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561054 (9240419)		148	130
E6561055 (9240420)		104	58.7
E6561056 (9240421)		108	55.4
E6561057 (9240422)		62	64.5
E6561058 (9240423)		59	65.3
E6561059 (9240424)		37	66.9
E6561060 (9240425)		99	62.8
E6561061 (9240426)		246	55.1
E6561062 (9240427)		298	57.9
E6561063 (9240428)		73	60.4
E6561064 (9240429)		55	62.1
E6561065 (9240430)		53	63.8
E6561066 (9240431)		11	156
E6561067 (9240432)		55	60.9
E6561068 (9240433)		52	64.5
E6561069 (9240434)		91	58.1
E6561070 (9240435)		123	56.5
E6561071 (9240436)		3640	54.7
E6561072 (9240437)		<5	2.3
E6561073 (9240438)		352	57.2
E6561074 (9240439)		473	56.9
E6561075 (9240440)		253	62.1
E6561076 (9240441)		524	69.3
E6561077 (9240442)		230	64.7
E6561078 (9240443)		246	63.3
E6561079 (9240444)		535	60.6
E6561080 (9240445)		152	60.3
E6561081 (9240446)		145	66.9
E6561082 (9240447)		97	61.2
E6561083 (9240448)		114	57.0
E6561084 (9240449)		121	57.7
E6561085 (9240450)		683	56.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6561086 (9240451)		61	28.1
E6561087 (9240452)		339	55.9
E6561088 (9240453)		177	59.6
E6561089 (9240454)		162	126
E6561090 (9240455)		100	62.0
E6561091 (9240456)		110	61.0
E6561092 (9240457)		<5	2.9
E6561093 (9240458)		93	56.9
E6561094 (9240459)		90	57.7
E6561095 (9240460)		81	58.7
E6561096 (9240461)		57	57.6
E6561097 (9240462)		69	56.6
E6561098 (9240463)		69	56.9
E6561099 (9240464)		84	56.1
E6561100 (9240465)		114	56.9

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338682

PROJECT: DDH-135A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 14, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6561022 (9240387)		92
E6561023 (9240388)		93
E6561024 (9240389)		75
E6561025 (9240390)		82
E6561035 (9240400)		82
E6561041 (9240406)		82
E6561043 (9240408)		84
E6561051 (9240416)		91
E6561061 (9240426)		80
E6561071 (9240436)		89
E6561081 (9240446)		91
E6561091 (9240456)		88

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9240387	< 1	< 1	0.0%	9240398	< 1	< 1	0.0%	9240410	< 1	< 1	0.0%	9240412	< 1	< 1	0.0%
Al	9240387	8.36	8.32	0.5%	9240398	7.44	7.45	0.1%	9240410	7.99	8.09	1.2%	9240412	8.09	8.09	0.0%
As	9240387	< 5	< 5	0.0%	9240398	< 5	< 5	0.0%	9240410	< 5	< 5	0.0%	9240412	< 5	< 5	0.0%
B	9240387	< 20	< 20	0.0%	9240398	< 20	< 20	0.0%	9240410	29	30	3.4%	9240412	27	29	7.1%
Ba	9240387	150	150	0.0%	9240398	198	196	1.0%	9240410	208	209	0.5%	9240412	169	169	0.0%
Be	9240387	< 5	< 5	0.0%	9240398	< 5	< 5	0.0%	9240410	< 5	< 5	0.0%	9240412	< 5	< 5	0.0%
Bi	9240387	< 0.1	< 0.1	0.0%	9240398	0.5	0.3		9240410	< 0.1	< 0.1	0.0%	9240412	0.3	0.2	
Ca	9240387	6.14	6.00	2.3%	9240398	7.02	7.02	0.0%	9240410	7.77	8.00	2.9%	9240412	7.48	7.47	0.1%
Cd	9240387	< 0.2	< 0.2	0.0%	9240398	< 0.2	< 0.2	0.0%	9240410	< 0.2	< 0.2	0.0%	9240412	< 0.2	< 0.2	0.0%
Ce	9240387	8.9	8.8	1.1%	9240398	9.18	9.36	1.9%	9240410	9.8	9.8	0.0%	9240412	9.3	9.0	3.3%
Co	9240387	50.9	53.3	4.6%	9240398	75.4	74.5	1.2%	9240410	65.5	63.6	2.9%	9240412	59.0	59.4	0.7%
Cr	9240387	0.025	0.023	8.3%	9240398	0.021	0.021	0.0%	9240410	0.023	0.023	0.0%	9240412	0.023	0.025	8.3%
Cs	9240387	0.5	0.5	0.0%	9240398	1.27	1.25	1.6%	9240410	0.82	0.72	13.0%	9240412	0.7	0.7	0.0%
Cu	9240387	29	28	3.5%	9240398	204	210	2.9%	9240410	104	103	1.0%	9240412	133	126	5.4%
Dy	9240387	3.82	3.81	0.3%	9240398	3.96	3.82	3.6%	9240410	4.09	3.88	5.3%	9240412	3.86	3.72	3.7%
Er	9240387	2.33	2.35	0.9%	9240398	2.40	2.42	0.8%	9240410	2.50	2.46	1.6%	9240412	2.44	2.40	1.7%
Eu	9240387	0.712	0.757	6.1%	9240398	0.65	0.66	1.5%	9240410	0.850	0.784	8.1%	9240412	0.76	0.70	8.2%
Fe	9240387	7.53	7.51	0.3%	9240398	12.1	12.2	0.8%	9240410	10.1	10.2	1.0%	9240412	10.5	10.4	1.0%
Ga	9240387	17.8	18.2	2.2%	9240398	17.6	17.3	1.7%	9240410	17.6	17.1	2.9%	9240412	17.7	17.4	1.7%
Gd	9240387	3.26	3.12	4.4%	9240398	3.19	3.23	1.2%	9240410	3.36	3.36	0.0%	9240412	3.16	3.14	0.6%
Ge	9240387	1	1	0.0%	9240398	2	2	0.0%	9240410	2	2	0.0%	9240412	2	2	0.0%
Hf	9240387	2	2	0.0%	9240398	2	2	0.0%	9240410	2	2	0.0%	9240412	2	2	0.0%
Ho	9240387	0.783	0.773	1.3%	9240398	0.79	0.80	1.3%	9240410	0.83	0.82	1.2%	9240412	0.807	0.779	3.5%
In	9240387	< 0.2	< 0.2	0.0%	9240398	< 0.2	< 0.2	0.0%	9240410	< 0.2	< 0.2	0.0%	9240412	< 0.2	< 0.2	0.0%
K	9240387	0.69	0.69	0.0%	9240398	0.88	0.88	0.0%	9240410	0.953	0.924	3.1%	9240412	0.74	0.73	1.4%
La	9240387	3.4	3.3	3.0%	9240398	3.52	3.56	1.1%	9240410	3.7	3.7	0.0%	9240412	3.6	3.5	2.8%
Li	9240387	11	12	8.7%	9240398	15	15	0.0%	9240410	14	14	0.0%	9240412	12	12	0.0%
Lu	9240387	0.33	0.33	0.0%	9240398	0.387	0.358	7.8%	9240410	0.36	0.36	0.0%	9240412	0.376	0.370	1.6%
Mg	9240387	2.04	2.05	0.5%	9240398	2.68	2.68	0.0%	9240410	3.49	3.46	0.9%	9240412	3.04	3.20	5.1%
Mn	9240387	2240	2230	0.4%	9240398	3550	3560	0.3%	9240410	2660	2650	0.4%	9240412	2770	2790	0.7%
Mo	9240387	3	3	0.0%	9240398	< 2	< 2	0.0%	9240410	4	3	28.6%	9240412	3	4	28.6%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Nb	9240387	< 1	< 1	0.0%	9240398	< 1	< 1	0.0%	9240410	< 1	< 1	0.0%	9240412	< 1	< 1	0.0%
Nd	9240387	7.0	7.1	1.4%	9240398	6.9	7.0	1.4%	9240410	7.6	7.4	2.7%	9240412	7.2	7.1	1.4%
Ni	9240387	84	84	0.0%	9240398	131	129	1.5%	9240410	110	111	0.9%	9240412	98	97	1.0%
P	9240387	0.03	0.03	0.0%	9240398	0.039	0.031	22.9%	9240410	0.04	0.04	0.0%	9240412	0.04	0.04	0.0%
Pb	9240387	8	7	13.3%	9240398	10	11	9.5%	9240410	10	9	10.5%	9240412	< 5	< 5	0.0%
Pr	9240387	1.31	1.31	0.0%	9240398	1.37	1.34	2.2%	9240410	1.45	1.44	0.7%	9240412	1.40	1.34	4.4%
Rb	9240387	25.6	25.3	1.2%	9240398	31.0	31.5	1.6%	9240410	37.9	36.9	2.7%	9240412	25.2	25.4	0.8%
S	9240387	< 0.01	< 0.01	0.0%	9240398	0.59	0.59	0.0%	9240410	0.14	0.13	7.4%	9240412	0.25	0.24	4.1%
Sb	9240387	< 0.1	< 0.1	0.0%	9240398	< 0.1	< 0.1	0.0%	9240410	< 0.1	< 0.1	0.0%	9240412	< 0.1	< 0.1	0.0%
Sc	9240387	45	45	0.0%	9240398	46	47	2.2%	9240410	48	49	2.1%	9240412	43	44	2.3%
Si	9240387	22.8	22.6	0.9%	9240398	20.1	19.8	1.5%	9240410	21.3	21.6	1.4%	9240412	22.9	22.8	0.4%
Sm	9240387	2.3	2.3	0.0%	9240398	2.2	2.2	0.0%	9240410	2.5	2.4	4.1%	9240412	2.3	2.3	0.0%
Sn	9240387	< 1	< 1	0.0%	9240398	< 1	< 1	0.0%	9240410	< 1	< 1	0.0%	9240412	< 1	< 1	0.0%
Sr	9240387	126	126	0.0%	9240398	127	127	0.0%	9240410	142	138	2.9%	9240412	133	134	0.7%
Ta	9240387	< 0.5	< 0.5	0.0%	9240398	< 0.5	< 0.5	0.0%	9240410	< 0.5	< 0.5	0.0%	9240412	< 0.5	< 0.5	0.0%
Tb	9240387	0.554	0.557	0.5%	9240398	0.555	0.578	4.1%	9240410	0.60	0.60	0.0%	9240412	0.56	0.50	11.3%
Th	9240387	0.4	0.4	0.0%	9240398	0.4	0.4	0.0%	9240410	0.3	0.3	0.0%	9240412	0.42	0.34	21.1%
Ti	9240387	0.65	0.65	0.0%	9240398	0.57	0.57	0.0%	9240410	0.610	0.617	1.1%	9240412	0.61	0.61	0.0%
Tl	9240387	< 0.5	< 0.5	0.0%	9240398	< 0.5	< 0.5	0.0%	9240410	< 0.5	< 0.5	0.0%	9240412	< 0.5	< 0.5	0.0%
Tm	9240387	0.327	0.325	0.6%	9240398	0.36	0.33	8.7%	9240410	0.350	0.356	1.7%	9240412	0.359	0.343	4.6%
U	9240387	0.07	0.08	13.3%	9240398	0.09	0.08	11.8%	9240410	0.07	0.07	0.0%	9240412	0.078	0.085	8.6%
V	9240387	306	305	0.3%	9240398	298	299	0.3%	9240410	322	325	0.9%	9240412	320	324	1.2%
W	9240387	1	1	0.0%	9240398	< 1	< 1	0.0%	9240410	< 1	< 1	0.0%	9240412	< 1	< 1	0.0%
Y	9240387	21.4	21.4	0.0%	9240398	23.2	22.3	4.0%	9240410	22.5	21.7	3.6%	9240412	21.7	21.6	0.5%
Yb	9240387	2.19	2.13	2.8%	9240398	2.46	2.38	3.3%	9240410	2.4	2.4	0.0%	9240412	2.4	2.4	0.0%
Zn	9240387	80	81	1.2%	9240398	119	119	0.0%	9240410	89	92	3.3%	9240412	88	88	0.0%
Zr	9240387	59.8	60.1	0.5%	9240398	56.1	54.4	3.1%	9240410	56.5	54.2	4.2%	9240412	55.1	54.2	1.6%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9240422	< 1	< 1	0.0%	9240434	< 1	< 1	0.0%	9240437	< 1	< 1	0.0%	9240446	< 1	< 1	0.0%
Al	9240422	9.39	9.30	1.0%	9240434	8.41	8.27	1.7%	9240437	0.08	0.08	0.0%	9240446	8.96	9.11	1.7%
As	9240422	< 5	< 5	0.0%	9240434	< 5	< 5	0.0%	9240437	< 5	< 5	0.0%	9240446	24	24	0.0%
B	9240422	< 20	< 20	0.0%	9240434	< 20	< 20	0.0%	9240437	< 20	< 20	0.0%	9240446	22	23	4.4%
Ba	9240422	203	196	3.5%	9240434	224	223	0.4%	9240437	15.5	15.4	0.6%	9240446	162	161	0.6%



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Be	9240422	< 5	< 5	0.0%	9240434	< 5	< 5	0.0%	9240437	< 5	< 5	0.0%	9240446	< 5	< 5	0.0%
Bi	9240422	0.1	0.1	0.0%	9240434	< 0.1	< 0.1	0.0%	9240437	< 0.1	< 0.1	0.0%	9240446	< 0.1	< 0.1	0.0%
Ca	9240422	4.73	4.68	1.1%	9240434	7.98	7.88	1.3%	9240437	34.2	34.1	0.3%	9240446	4.20	4.32	2.8%
Cd	9240422	< 0.2	< 0.2	0.0%	9240434	< 0.2	< 0.2	0.0%	9240437	< 0.2	< 0.2	0.0%	9240446	0.2	0.2	0.0%
Ce	9240422	10.6	10.3	2.9%	9240434	9.2	9.3	1.1%	9240437	0.89	0.96	7.6%	9240446	9.55	9.99	4.5%
Co	9240422	42.9	43.8	2.1%	9240434	44.3	43.1	2.7%	9240437	0.9	0.9	0.0%	9240446	69.9	65.4	6.7%
Cr	9240422	0.027	0.027	0.0%	9240434	0.0251	0.0245	2.4%	9240437	< 0.005	< 0.005	0.0%	9240446	0.024	0.024	0.0%
Cs	9240422	0.53	0.58	9.0%	9240434	0.86	0.79	8.5%	9240437	< 0.1	< 0.1	0.0%	9240446	0.6	0.6	0.0%
Cu	9240422	128	123	4.0%	9240434	43	42	2.4%	9240437	5	7		9240446	65	65	0.0%
Dy	9240422	3.64	3.48	4.5%	9240434	3.99	3.82	4.4%	9240437	0.22	0.24	8.7%	9240446	4.36	4.49	2.9%
Er	9240422	2.11	2.04	3.4%	9240434	2.35	2.25	4.3%	9240437	0.13	0.12	8.0%	9240446	2.59	2.62	1.2%
Eu	9240422	0.846	0.817	3.5%	9240434	0.751	0.767	2.1%	9240437	< 0.05	< 0.05	0.0%	9240446	1.04	1.07	2.8%
Fe	9240422	6.29	6.21	1.3%	9240434	7.08	6.96	1.7%	9240437	0.09	0.09	0.0%	9240446	7.65	7.81	2.1%
Ga	9240422	19.7	20.0	1.5%	9240434	17.4	16.9	2.9%	9240437	0.171	0.195	13.1%	9240446	17.7	17.5	1.1%
Gd	9240422	3.20	2.89	10.2%	9240434	3.14	3.20	1.9%	9240437	0.245	0.234	4.6%	9240446	3.56	3.75	5.2%
Ge	9240422	1	1	0.0%	9240434	2	2	0.0%	9240437	< 1	< 1	0.0%	9240446	1	1	0.0%
Hf	9240422	2	2	0.0%	9240434	2	2	0.0%	9240437	< 1	< 1	0.0%	9240446	2	2	0.0%
Ho	9240422	0.730	0.692	5.3%	9240434	0.779	0.755	3.1%	9240437	< 0.05	< 0.05	0.0%	9240446	0.90	0.94	4.3%
In	9240422	< 0.2	< 0.2	0.0%	9240434	< 0.2	< 0.2	0.0%	9240437	< 0.2	< 0.2	0.0%	9240446	< 0.2	< 0.2	0.0%
K	9240422	0.838	0.824	1.7%	9240434	0.797	0.790	0.9%	9240437	< 0.05	< 0.05	0.0%	9240446	0.842	0.879	4.3%
La	9240422	4.2	4.2	0.0%	9240434	3.4	3.5	2.9%	9240437	1.2	1.2	0.0%	9240446	4.24	4.39	3.5%
Li	9240422	12	12	0.0%	9240434	9	10	10.5%	9240437	< 10	< 10	0.0%	9240446	26	27	3.8%
Lu	9240422	0.308	0.289	6.4%	9240434	0.35	0.34	2.9%	9240437	< 0.05	< 0.05	0.0%	9240446	0.381	0.398	4.4%
Mg	9240422	1.39	1.34	3.7%	9240434	2.57	2.56	0.4%	9240437	2.32	2.31	0.4%	9240446	3.05	3.00	1.7%
Mn	9240422	1690	1670	1.2%	9240434	2020	1990	1.5%	9240437	76	64	17.1%	9240446	1620	1650	1.8%
Mo	9240422	3	3	0.0%	9240434	11	10	9.5%	9240437	< 2	< 2	0.0%	9240446	8	8	0.0%
Nb	9240422	< 1	< 1	0.0%	9240434	< 1	< 1	0.0%	9240437	< 1	< 1	0.0%	9240446	< 1	< 1	0.0%
Nd	9240422	7.9	7.6	3.9%	9240434	7.07	7.16	1.3%	9240437	0.9	0.9	0.0%	9240446	7.73	7.91	2.3%
Ni	9240422	69	67	2.9%	9240434	60	60	0.0%	9240437	< 5	< 5	0.0%	9240446	88	86	2.3%
P	9240422	0.053	0.044	18.6%	9240434	0.04	0.04	0.0%	9240437	0.01	0.01	0.0%	9240446	0.05	0.05	0.0%
Pb	9240422	6	6	0.0%	9240434	48	47	2.1%	9240437	< 5	< 5	0.0%	9240446	20	19	5.1%
Pr	9240422	1.57	1.53	2.6%	9240434	1.37	1.40	2.2%	9240437	0.181	0.187	3.3%	9240446	1.55	1.58	1.9%
Rb	9240422	27.6	28.7	3.9%	9240434	34.0	33.4	1.8%	9240437	< 0.2	< 0.2	0.0%	9240446	24.9	24.1	3.3%
S	9240422	0.259	0.254	1.9%	9240434	< 0.01	< 0.01	0.0%	9240437	< 0.01	< 0.01	0.0%	9240446	< 0.01	< 0.01	0.0%



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Sb	9240422	< 0.1	< 0.1	0.0%	9240434	< 0.1	< 0.1	0.0%	9240437	< 0.1	< 0.1	0.0%	9240446	< 0.1	< 0.1	0.0%
Sc	9240422	39	39	0.0%	9240434	49	49	0.0%	9240437	< 5	< 5	0.0%	9240446	53	54	1.9%
Si	9240422	26.1	24.9	4.7%	9240434	23.8	22.8	4.3%	9240437	3.57	3.43	4.0%	9240446	23.8	24.2	1.7%
Sm	9240422	2.4	2.4	0.0%	9240434	2.2	2.3	4.4%	9240437	0.2	0.2	0.0%	9240446	2.52	2.68	6.2%
Sn	9240422	< 1	< 1	0.0%	9240434	< 1	< 1	0.0%	9240437	< 1	< 1	0.0%	9240446	< 1	< 1	0.0%
Sr	9240422	166	166	0.0%	9240434	219	215	1.8%	9240437	49.4	50.6	2.4%	9240446	197	200	1.5%
Ta	9240422	< 0.5	< 0.5	0.0%	9240434	< 0.5	< 0.5	0.0%	9240437	< 0.5	< 0.5	0.0%	9240446	< 0.5	< 0.5	0.0%
Tb	9240422	0.52	0.53	1.9%	9240434	0.544	0.552	1.5%	9240437	< 0.05	< 0.05	0.0%	9240446	0.640	0.657	2.6%
Th	9240422	0.36	0.33	8.7%	9240434	0.3	0.3	0.0%	9240437	< 0.1	< 0.1	0.0%	9240446	0.3	0.6	
Ti	9240422	0.719	0.710	1.3%	9240434	0.65	0.64	1.6%	9240437	< 0.01	< 0.01	0.0%	9240446	0.712	0.726	1.9%
Tl	9240422	< 0.5	< 0.5	0.0%	9240434	< 0.5	< 0.5	0.0%	9240437	< 0.5	< 0.5	0.0%	9240446	< 0.5	< 0.5	0.0%
Tm	9240422	0.304	0.316	3.9%	9240434	0.33	0.34	3.0%	9240437	< 0.05	< 0.05	0.0%	9240446	0.370	0.386	4.2%
U	9240422	0.088	0.083	5.8%	9240434	0.06	0.06	0.0%	9240437	0.27	0.12		9240446	0.244	0.264	7.9%
V	9240422	316	309	2.2%	9240434	330	331	0.3%	9240437	< 5	< 5	0.0%	9240446	329	333	1.2%
W	9240422	< 1	< 1	0.0%	9240434	2	2	0.0%	9240437	< 1	< 1	0.0%	9240446	< 1	< 1	0.0%
Y	9240422	18.7	19.1	2.1%	9240434	21.0	20.6	1.9%	9240437	2.25	2.32	3.1%	9240446	23.8	23.1	3.0%
Yb	9240422	2.03	2.06	1.5%	9240434	2.29	2.20	4.0%	9240437	< 0.1	0.1		9240446	2.54	2.60	2.3%
Zn	9240422	62	61	1.6%	9240434	91	88	3.4%	9240437	< 5	< 5	0.0%	9240446	145	148	2.0%
Zr	9240422	64.5	64.3	0.3%	9240434	58.1	57.1	1.7%	9240437	2.3	2.7	16.0%	9240446	66.9	63.9	4.6%

Parameter	REPLICATE #9				REPLICATE #10											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9240458	< 1	< 1	0.0%	9240462	< 1	3									
Al	9240458	8.35	8.42	0.8%	9240462	7.59	8.39	10.0%								
As	9240458	< 5	< 5	0.0%	9240462	< 5	< 5	0.0%								
B	9240458	28	29	3.5%	9240462	22	27	20.4%								
Ba	9240458	234	233	0.4%	9240462	171	190	10.5%								
Be	9240458	< 5	< 5	0.0%	9240462	< 5	< 5	0.0%								
Bi	9240458	< 0.1	< 0.1	0.0%	9240462	< 0.1	< 0.1	0.0%								
Ca	9240458	6.65	7.02	5.4%	9240462	6.10	6.74	10.0%								
Cd	9240458	< 0.2	< 0.2	0.0%	9240462	< 0.2	< 0.2	0.0%								
Ce	9240458	8.9	8.8	1.1%	9240462	13.3	13.3	0.0%								
Co	9240458	52.0	51.7	0.6%	9240462	50.7	51.0	0.6%								
Cr	9240458	0.022	0.022	0.0%	9240462	0.0193	0.0220	13.1%								
Cs	9240458	0.9	0.9	0.0%	9240462	1.0	1.0	0.0%								



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Cu	9240458	132	133	0.8%	9240462	37	33	11.4%									
Dy	9240458	3.85	3.80	1.3%	9240462	3.91	3.94	0.8%									
Er	9240458	2.28	2.30	0.9%	9240462	2.19	2.28	4.0%									
Eu	9240458	0.823	0.784	4.9%	9240462	1.56	1.46	6.6%									
Fe	9240458	9.48	9.53	0.5%	9240462	7.87	8.50	7.7%									
Ga	9240458	17.2	17.2	0.0%	9240462	16.7	17.0	1.8%									
Gd	9240458	3.19	3.19	0.0%	9240462	3.46	3.41	1.5%									
Ge	9240458	2	2	0.0%	9240462	2	2	0.0%									
Hf	9240458	2	2	0.0%	9240462	2	2	0.0%									
Ho	9240458	0.772	0.764	1.0%	9240462	0.762	0.791	3.7%									
In	9240458	< 0.2	< 0.2	0.0%	9240462	< 0.2	< 0.2	0.0%									
K	9240458	1.31	1.31	0.0%	9240462	0.92	1.05	13.2%									
La	9240458	3.36	3.33	0.9%	9240462	6.29	6.38	1.4%									
Li	9240458	21	20	4.9%	9240462	19	22	14.6%									
Lu	9240458	0.310	0.345	10.7%	9240462	0.31	0.32	3.2%									
Mg	9240458	3.51	3.45	1.7%	9240462	3.16	3.48	9.6%									
Mn	9240458	1940	1930	0.5%	9240462	1590	1690	6.1%									
Mo	9240458	5	5	0.0%	9240462	7	9	25.0%									
Nb	9240458	< 1	< 1	0.0%	9240462	< 1	< 1	0.0%									
Nd	9240458	7.18	7.11	1.0%	9240462	9.06	9.02	0.4%									
Ni	9240458	87	80	8.4%	9240462	78	88	12.0%									
P	9240458	0.04	0.04	0.0%	9240462	0.03	0.04	28.6%									
Pb	9240458	13	12	8.0%	9240462	< 5	< 5	0.0%									
Pr	9240458	1.34	1.34	0.0%	9240462	1.85	1.86	0.5%									
Rb	9240458	59.5	60.1	1.0%	9240462	49.8	49.8	0.0%									
S	9240458	0.05	0.05	0.0%	9240462	< 0.01	< 0.01	0.0%									
Sb	9240458	< 0.1	< 0.1	0.0%	9240462	< 0.1	< 0.1	0.0%									
Sc	9240458	49	48	2.1%	9240462	42	48	13.3%									
Si	9240458	23.5	23.6	0.4%	9240462	23.2	23.6	1.7%									
Sm	9240458	2.3	2.3	0.0%	9240462	2.8	2.8	0.0%									
Sn	9240458	< 1	< 1	0.0%	9240462	< 1	< 1	0.0%									
Sr	9240458	208	207	0.5%	9240462	117	133	12.8%									
Ta	9240458	< 0.5	< 0.5	0.0%	9240462	< 0.5	< 0.5	0.0%									
Tb	9240458	0.560	0.523	6.8%	9240462	0.58	0.59	1.7%									



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Th	9240458	0.3	0.3	0.0%	9240462	0.3	0.3	0.0%								
Ti	9240458	0.634	0.636	0.3%	9240462	0.595	0.625	4.9%								
Tl	9240458	< 0.5	< 0.5	0.0%	9240462	< 0.5	< 0.5	0.0%								
Tm	9240458	0.32	0.32	0.0%	9240462	0.319	0.303	5.1%								
U	9240458	0.090	0.084	6.9%	9240462	0.199	0.217	8.7%								
V	9240458	330	325	1.5%	9240462	280	320	13.3%								
W	9240458	< 1	< 1	0.0%	9240462	< 1	< 1	0.0%								
Y	9240458	20.2	20.2	0.0%	9240462	20.8	20.4	1.9%								
Yb	9240458	2.2	2.2	0.0%	9240462	2.2	2.2	0.0%								
Zn	9240458	93	100	7.3%	9240462	69	70	1.4%								
Zr	9240458	56.9	57.9	1.7%	9240462	56.6	58.7	3.6%								



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SU-1b)				CRM #3 (ref.SY-4)				CRM #4 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	10.49	96%	90% - 110%	4.30	4.2	98%	90% - 110%	10.95	11.14	102%	90% - 110%	4.30	4.28	100%	90% - 110%
Ba	340	332	98%	90% - 110%					340	356	105%	90% - 110%				
Be	2.6	2.7	104%	90% - 110%					2.6	2.9	110%	90% - 110%				
Ca	5.72	5.61	98%	90% - 110%	2.21	2.2	100%	90% - 110%	5.72	5.83	102%	90% - 110%	2.21	2.29	104%	90% - 110%
Ce	122	117	96%	90% - 110%					122	119	98%	90% - 110%				
Co	2.8	2.7	95%	90% - 110%	672	738	110%	90% - 110%	2.8	2.6	93%	90% - 110%	672	706	105%	90% - 110%
Cr					0.032	0.033	105%	90% - 110%					0.032	0.035	110%	90% - 110%
Cs	1.5	1.5	97%	90% - 110%					1.5	1.5	103%	90% - 110%				
Cu					11850	11990	101%	90% - 110%					11850	11599	98%	90% - 110%
Dy	18.2	18.4	101%	90% - 110%					18.2	19.7	108%	90% - 110%				
Er	14.2	13.7	96%	90% - 110%					14.2	14.3	100%	90% - 110%				
Eu	2.0	1.80	90%	90% - 110%					2.0	1.82	91%	90% - 110%				
Fe	4.34	4.19	96%	90% - 110%	25.54	24.68	97%	90% - 110%	4.34	4.37	101%	90% - 110%	25.54	24.7	97%	90% - 110%
Ga	35	36	103%	90% - 110%					35	36	102%	90% - 110%				
Gd	14	15	110%	90% - 110%					14	15	109%	90% - 110%				
Hf	10.6	10.2	96%	90% - 110%					10.6	10.5	99%	90% - 110%				
Ho	4.3	4.1	96%	90% - 110%					4.3	4.4	103%	90% - 110%				
K	1.37	1.42	104%	90% - 110%					1.37	1.50	110%	90% - 110%				
La	58	54	93%	90% - 110%					58	56	96%	90% - 110%				
Li	37	40	108%	90% - 110%					37	39.1	106%	90% - 110%				
Lu	2.1	1.9	93%	90% - 110%					2.1	2.1	100%	90% - 110%				
Mg	0.325	0.315	97%	90% - 110%	1.79	1.79	100%	90% - 110%	0.325	0.331	102%	90% - 110%	1.79	1.85	104%	90% - 110%
Mn	836	823	98%	90% - 110%	703	704	100%	90% - 110%	836	857	102%	90% - 110%	703	710	101%	90% - 110%
Nb	13	12	90%	90% - 110%					13	13	97%	90% - 110%				
Nd	57	56	99%	90% - 110%					57	57	100%	90% - 110%				
Ni	9	9	100%	90% - 110%	19530	18727	96%	90% - 110%	9	8	90%	90% - 110%	19530	18854	97%	90% - 110%
Pb	10	9	94%	90% - 110%	58	59	101%	90% - 110%	10	10	96%	90% - 110%	58	57	99%	90% - 110%
Pr	15.0	14	94%	90% - 110%					15.0	14.5	97%	90% - 110%				
Rb	55	54	97%	90% - 110%					55	55	100%	90% - 110%				
S					14.14	13.89	98%	90% - 110%					14.14	14.13	100%	90% - 110%
Si	23.3	21.4	92%	90% - 110%	15.23	14.41	95%	90% - 110%	23.3	22.8	98%	90% - 110%	15.23	14.96	98%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sm	12.7	12.2	96%	90% - 110%					12.7	12.6	99%	90% - 110%				
Sn	7.1	6.4	91%	90% - 110%					7.1	7	98%	90% - 110%				
Sr	1191	1100	92%	90% - 110%					1191	1170	98%	90% - 110%				
Tb	2.6	2.8	107%	90% - 110%					2.6	2.8	110%	90% - 110%				
Th	1.4	1.3	91%	90% - 110%					1.4	1.5	108%	90% - 110%				
Ti	0.172	0.164	95%	90% - 110%					0.172	0.169	98%	90% - 110%				
Tm	2.3	2.2	94%	90% - 110%					2.3	2.3	100%	90% - 110%				
U	0.8	0.9	115%	90% - 110%					0.8	0.7	90%	90% - 110%				
V	8	6	81%	90% - 110%					8	7	85%	90% - 110%				
Y	119	118	99%	90% - 110%					119	120	101%	90% - 110%				
Yb	14.8	14.1	95%	90% - 110%					14.8	14.5	98%	90% - 110%				
Zn	93	87	94%	90% - 110%	235	261	111%	90% - 110%	93	92	99%	90% - 110%	235	258	110%	90% - 110%
Zr	517	567	110%	90% - 110%					517	548	106%	90% - 110%				
CRM #5 (ref.SY-4)																
Parameter	Expect	Actual	Recovery	Limits												
Al	10.95	11.37	104%	90% - 110%												
Ba	340	336	99%	90% - 110%												
Be	2.6	2.8	107%	90% - 110%												
Ca	5.72	6.01	105%	90% - 110%												
Ce	122	119	98%	90% - 110%												
Co	2.8	2.4	87%	90% - 110%												
Cs	1.5	1.5	103%	90% - 110%												
Cu	7	5	72%	90% - 110%												
Dy	18.2	19.4	107%	90% - 110%												
Er	14.2	14	98%	90% - 110%												
Eu	2.0	1.95	97%	90% - 110%												
Fe	4.34	4.5	104%	90% - 110%												
Ga	35	35	100%	90% - 110%												
Gd	14	15	108%	90% - 110%												
Hf	10.6	10.7	101%	90% - 110%												
Ho	4.3	4.4	102%	90% - 110%												
K	1.37	1.42	104%	90% - 110%												
La	58	57	97%	90% - 110%												
Li	37	37.8	102%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Lu	2.1	2.1	101%	90% - 110%																
Mg	0.325	0.34	105%	90% - 110%																
Mn	836	861	103%	90% - 110%																
Nb	13	13	97%	90% - 110%																
Nd	57	57	101%	90% - 110%																
Ni	9	8	93%	90% - 110%																
Pb	10	10	102%	90% - 110%																
Pr	15.0	14.4	96%	90% - 110%																
Rb	55	54	99%	90% - 110%																
Si	23.3	23.5	101%	90% - 110%																
Sm	12.7	12.9	101%	90% - 110%																
Sn	7.1	7.2	101%	90% - 110%																
Sr	1191	1210	101%	90% - 110%																
Tb	2.6	2.8	108%	90% - 110%																
Th	1.4	1.3	91%	90% - 110%																
Ti	0.172	0.17	99%	90% - 110%																
Tm	2.3	2.2	97%	90% - 110%																
U	0.8	0.8	95%	90% - 110%																
V	8	7	88%	90% - 110%																
Y	119	115	97%	90% - 110%																
Yb	14.8	14.7	99%	90% - 110%																
Zn	93	98	105%	90% - 110%																
Zr	517	522	101%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-135A
 SAMPLING SITE:

AGAT WORK ORDER: 18B338682
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-135A
SAMPLING SITE:

AGAT WORK ORDER: 18B338682
ATTENTION TO: FRANK SANTAGUIDA JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA

PROJECT: DDH-135B

AGAT WORK ORDER: 18B337981

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: May 23, 2018

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: May 09, 2018 DATE RECEIVED: May 10, 2018 DATE REPORTED: May 23, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563101 (9234217)		2.23
E6563102 (9234218)		2.35
E6563103 (9234219)		2.68
E6563104 (9234220)		2.27
E6563105 (9234221)		2.43
E6563106 (9234222)		0.01
E6563107 (9234223)		2.03
E6563108 (9234224)		1.02
E6563109 (9234225)		1.24
E6563110 (9234226)		2.20
E6563111 (9234227)		2.14
E6563112 (9234228)		1.54
E6563113 (9234229)		2.05
E6563114 (9234230)		1.97
E6563115 (9234231)		2.18
E6563116 (9234232)		1.97
E6563117 (9234233)		2.46
E6563118 (9234234)		1.16
E6563119 (9234235)		1.98
E6563120 (9234236)		2.37
E6563121 (9234237)		2.06
E6563122 (9234238)		2.29
E6563123 (9234239)		2.16
E6563124 (9234240)		2.04
E6563125 (9234241)		2.40
E6563126 (9234242)		0.01
E6563127 (9234243)		0.99
E6563128 (9234244)		1.65
E6563129 (9234245)		1.95
E6563130 (9234246)		1.75
E6563131 (9234247)		1.93

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563132 (9234248)		1.51
E6563133 (9234249)		2.32
E6563134 (9234250)		2.16
E6563135 (9234251)		1.02
E6563136 (9234252)		1.70
E6563137 (9234253)		2.31
E6563138 (9234254)		1.24
E6563139 (9234255)		2.94
E6563140 (9234256)		2.85
E6563173 (9234257)		3.16
E6563174 (9234258)		2.88
E6563175 (9234259)		2.40
E6563176 (9234260)		2.29
E6563177 (9234261)		1.10
E6563178 (9234262)		0.54
E6563179 (9234263)		0.67
E6563180 (9234264)		1.38
E6563181 (9234265)		0.01
E6563182 (9234266)		0.57
E6563183 (9234267)		2.18
E6563184 (9234268)		2.16
E6563185 (9234269)		2.15
E6563186 (9234270)		0.01

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6563101 (9234217)	<1	7.39	42	<20	42.4	<5	0.2	6.44	<0.2	22.2	43.9	0.020	0.9	371	
E6563102 (9234218)	<1	7.91	5	<20	168	<5	<0.1	6.36	<0.2	11.6	46.5	0.021	2.2	49	
E6563103 (9234219)	<1	7.56	5	<20	101	<5	<0.1	5.51	<0.2	14.4	47.0	0.022	5.0	12	
E6563104 (9234220)	<1	6.15	24	<20	35.2	<5	<0.1	7.77	<0.2	17.7	51.0	0.021	2.1	23	
E6563105 (9234221)	<1	8.29	15	<20	53.8	<5	<0.1	3.26	<0.2	24.1	36.8	0.021	3.1	25	
E6563106 (9234222)	43	6.05	60600	<20	25.9	<5	483	8.20	<0.2	17.3	20300	0.024	0.6	62	
E6563107 (9234223)	1	6.99	73	<20	16.1	<5	3.0	4.95	<0.2	29.0	50.6	0.020	1.1	59	
E6563108 (9234224)	<1	6.37	312	<20	15.5	<5	2.3	7.36	<0.2	26.5	654	0.012	0.7	92	
E6563109 (9234225)	<1	2.63	804	<20	4.2	<5	2.9	14.1	<0.2	55.7	837	<0.005	0.4	100	
E6563110 (9234226)	<1	6.48	65	<20	4.9	<5	0.5	6.42	0.4	50.8	102	0.018	1.6	23	
E6563111 (9234227)	<1	7.40	44	<20	8.6	<5	0.3	2.63	<0.2	53.1	66.7	0.029	2.0	24	
E6563112 (9234228)	<1	0.10	6	<20	12.5	<5	0.2	34.0	<0.2	1.5	1.6	<0.005	<0.1	6	
E6563113 (9234229)	<1	7.60	59	<20	8.4	<5	2.7	2.57	<0.2	45.5	74.1	0.020	2.1	203	
E6563114 (9234230)	<1	6.17	31	<20	8.3	<5	0.5	5.09	<0.2	99.5	73.4	0.044	1.2	127	
E6563115 (9234231)	<1	5.95	17	<20	5.2	<5	0.3	8.39	<0.2	127	63.8	0.034	1.6	110	
E6563116 (9234232)	<1	7.74	64	<20	17.9	<5	1.4	1.86	<0.2	51.2	129	0.020	2.5	535	
E6563117 (9234233)	<1	6.13	23	<20	20.9	<5	0.2	5.92	<0.2	78.8	66.9	0.042	1.1	228	
E6563118 (9234234)	<1	6.73	12	<20	17.7	<5	0.1	4.78	<0.2	62.7	44.9	0.043	1.1	238	
E6563119 (9234235)	<1	5.32	22	<20	13.3	<5	0.1	6.94	<0.2	66.6	57.7	0.077	1.3	202	
E6563120 (9234236)	<1	7.01	6	<20	10.1	5	<0.1	4.55	<0.2	66.8	38.1	0.039	1.3	280	
E6563121 (9234237)	<1	6.93	25	<20	45.8	<5	<0.1	4.83	<0.2	47.1	66.7	0.025	6.5	36	
E6563122 (9234238)	<1	6.61	60	<20	11.2	<5	0.2	5.87	<0.2	45.3	115	0.034	1.4	302	
E6563123 (9234239)	1	7.13	22	<20	10.2	6	0.2	4.69	<0.2	44.6	53.7	0.019	1.7	1280	
E6563124 (9234240)	<1	6.74	21	<20	15.2	<5	<0.1	5.16	<0.2	78.9	33.5	0.042	1.0	403	
E6563125 (9234241)	<1	6.48	32	<20	12.7	5	0.1	7.22	<0.2	108	42.0	0.029	1.1	178	
E6563126 (9234242)	<1	4.60	590	115	173	<5	7.0	4.14	<0.2	78.1	1090	0.006	2.6	2990	
E6563127 (9234243)	<1	8.21	176	<20	30.4	<5	0.5	3.11	<0.2	103	197	0.021	1.2	250	
E6563128 (9234244)	<1	7.40	39	<20	58.9	<5	0.1	5.12	<0.2	40.9	37.8	0.020	6.5	31	
E6563129 (9234245)	<1	5.67	37	<20	289	<5	<0.1	5.13	<0.2	56.6	38.4	0.064	9.8	23	
E6563130 (9234246)	<1	5.54	22	<20	259	<5	<0.1	5.40	<0.2	66.4	37.0	0.058	7.5	23	
E6563131 (9234247)	<1	7.91	16	<20	25.2	<5	<0.1	3.57	<0.2	23.1	22.2	0.022	0.8	93	
E6563132 (9234248)	<1	0.08	<5	<20	14.2	<5	<0.1	30.2	<0.2	1.1	1.1	<0.005	<0.1	8	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6563133 (9234249)	<1	7.37	336	<20	27.4	<5	1.7	4.05	0.7	31.0	291	0.024	1.2	24	
E6563134 (9234250)	<1	8.54	103	<20	57.1	<5	0.5	0.96	0.6	10.7	49.3	0.023	0.4	13	
E6563135 (9234251)	<1	8.08	64	<20	85.8	<5	0.3	4.28	<0.2	16.7	53.4	0.020	6.1	41	
E6563136 (9234252)	<1	7.92	56	<20	55.5	<5	0.3	5.13	0.2	32.5	48.7	0.020	4.9	31	
E6563137 (9234253)	<1	7.06	28	<20	141	<5	0.7	6.95	<0.2	12.3	66.9	0.019	3.1	293	
E6563138 (9234254)	<1	7.29	26	<20	145	<5	0.7	6.77	<0.2	13.2	62.1	0.019	3.1	345	
E6563139 (9234255)	<1	7.65	35	<20	194	<5	0.9	6.62	<0.2	13.6	62.5	0.020	2.6	420	
E6563140 (9234256)	<1	7.55	30	<20	176	<5	0.7	6.21	<0.2	12.9	62.2	0.020	3.1	365	
E6563173 (9234257)	<1	7.72	9	137	461	<5	0.1	6.51	0.2	26.6	52.2	0.024	0.6	36	
E6563174 (9234258)	<1	7.95	8	24	457	<5	0.2	6.61	<0.2	25.4	57.5	0.027	1.0	111	
E6563175 (9234259)	<1	7.49	14	32	188	<5	0.2	6.87	<0.2	11.5	65.3	0.022	0.6	242	
E6563176 (9234260)	2	7.88	39	150	353	<5	0.3	6.22	<0.2	11.5	77.5	0.024	0.7	203	
E6563177 (9234261)	<1	8.48	1070	<20	143	<5	9.6	4.67	<0.2	15.9	65.6	0.021	0.7	51	
E6563178 (9234262)	<1	8.49	2720	<20	161	<5	12.7	4.74	<0.2	16.9	97.7	0.022	0.9	128	
E6563179 (9234263)	11	4.83	139000	<20	86.8	<5	7690	6.10	1.7	30.7	48800	0.013	0.8	18	
E6563180 (9234264)	<1	0.11	176	35	14.7	<5	38.5	33.4	<0.2	1.1	41.9	<0.005	<0.1	7	
E6563181 (9234265)	108	3.65	125000	<20	2.4	<5	1060	11.8	<0.2	32.7	40500	0.030	0.7	70	
E6563182 (9234266)	4	8.49	337	<20	129	<5	11.3	5.37	<0.2	16.6	79.9	0.021	1.5	31	
E6563183 (9234267)	<1	8.95	81	<20	330	<5	60.0	7.33	<0.2	10.7	83.5	0.019	2.2	23	
E6563184 (9234268)	<1	8.13	37	<20	310	<5	3	5.95	<0.2	12.4	59.3	0.021	0.8	10	
E6563185 (9234269)	2	8.02	17	<20	274	<5	1.0	5.59	<0.2	15.0	61.7	0.020	1.6	54	
E6563186 (9234270)	2	4.57	541	111	169	<5	7.2	4.03	<0.2	78.6	1090	0.006	2.4	2950	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6563101 (9234217)	5.59	2.97	1.78	9.16	16.9	5.53	2	2	1.11	0.4	0.34	9.6	50	0.39
E6563102 (9234218)	3.76	2.45	1.02	8.93	16.2	3.09	2	2	0.83	<0.2	0.82	4.9	29	0.36
E6563103 (9234219)	3.85	2.29	1.33	8.55	15.4	3.30	2	2	0.81	<0.2	0.76	7.2	34	0.33
E6563104 (9234220)	4.48	2.69	1.65	9.69	15.3	4.46	2	2	0.96	0.3	0.28	8.7	46	0.39
E6563105 (9234221)	4.76	2.78	1.80	9.26	16.7	4.51	2	2	1.01	0.2	0.61	11.9	56	0.38
E6563106 (9234222)	7.44	4.08	0.56	8.40	11.8	6.09	2	<1	1.45	0.2	0.08	6.6	39	0.52
E6563107 (9234223)	6.90	3.71	2.06	11.3	17.4	7.33	2	2	1.33	0.4	0.13	12.9	59	0.45
E6563108 (9234224)	5.63	2.81	1.53	12.4	20.4	6.71	2	<1	1.09	0.5	0.12	10.8	54	0.36
E6563109 (9234225)	19.0	8.92	2.14	8.24	12.2	18.4	1	<1	3.55	0.9	<0.05	21.4	16	1.01
E6563110 (9234226)	13.0	6.45	1.76	12.3	27.5	12.5	2	2	2.45	0.6	0.07	20.2	46	0.71
E6563111 (9234227)	7.22	3.63	1.56	11.9	23.7	7.33	2	2	1.34	0.3	0.19	22.4	65	0.45
E6563112 (9234228)	0.30	0.18	<0.05	0.18	0.38	0.26	1	<1	0.06	<0.2	<0.05	1.3	<10	<0.05
E6563113 (9234229)	4.66	2.74	1.27	14.9	22.4	5.02	3	2	0.91	0.4	0.11	19.9	65	0.40
E6563114 (9234230)	7.03	3.41	2.98	11.0	18.3	10.0	2	3	1.24	0.3	0.06	44.5	51	0.44
E6563115 (9234231)	15.9	7.17	3.48	11.5	21.5	17.5	3	3	2.88	0.4	<0.05	53.7	46	0.76
E6563116 (9234232)	4.99	3.04	2.13	16.5	24.0	5.50	3	2	1.03	0.4	0.11	24.5	66	0.47
E6563117 (9234233)	6.76	3.09	3.34	10.8	16.7	9.03	2	3	1.26	0.3	0.15	37.5	52	0.39
E6563118 (9234234)	6.37	3.12	3.14	12.2	17.5	7.97	2	3	1.21	0.3	0.16	30.3	61	0.37
E6563119 (9234235)	4.93	2.34	2.58	11.4	17.6	6.98	2	3	0.90	0.3	0.06	31.1	35	0.28
E6563120 (9234236)	6.82	3.40	3.12	12.9	18.9	8.80	2	3	1.27	0.3	0.10	31.2	59	0.44
E6563121 (9234237)	4.51	2.64	2.10	12.0	16.6	4.60	2	2	0.86	<0.2	0.68	26.5	51	0.36
E6563122 (9234238)	4.57	2.23	2.05	14.1	19.1	5.52	2	2	0.90	0.3	0.06	20.7	57	0.36
E6563123 (9234239)	7.82	4.32	2.28	12.7	20.1	7.72	2	2	1.53	0.6	0.13	20.3	59	0.53
E6563124 (9234240)	7.24	3.52	3.41	9.96	15.8	9.46	2	3	1.37	0.4	0.17	36.1	50	0.46
E6563125 (9234241)	8.93	4.29	3.69	9.54	17.7	11.9	2	2	1.64	0.5	0.14	47.6	50	0.53
E6563126 (9234242)	3.20	1.99	0.93	3.27	11.1	4.08	2	4	0.64	0.3	3.29	37.8	10	0.29
E6563127 (9234243)	6.30	3.34	3.87	8.41	17.6	7.81	2	2	1.27	0.3	0.30	57.5	44	0.43
E6563128 (9234244)	4.42	2.61	2.11	8.43	15.7	4.61	2	2	0.92	<0.2	0.86	21.7	48	0.38
E6563129 (9234245)	4.08	1.94	1.88	8.68	15.3	5.80	2	3	0.71	<0.2	1.66	25.0	81	0.25
E6563130 (9234246)	3.92	1.97	1.91	8.96	14.8	6.18	2	3	0.74	<0.2	1.37	30.5	71	0.24
E6563131 (9234247)	3.89	2.39	0.99	7.98	15.8	3.43	2	2	0.85	0.2	0.21	11.3	47	0.38
E6563132 (9234248)	0.24	0.17	<0.05	0.12	0.30	0.21	1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6563133 (9234249)		9.43	4.97	1.45	9.37	19.2	7.94	2	2	1.84	0.4	0.33	13.8	61	0.63
E6563134 (9234250)		2.40	1.52	0.61	8.17	16.3	2.04	2	2	0.50	<0.2	0.46	5.0	57	0.27
E6563135 (9234251)		4.65	2.79	1.06	7.95	16.9	3.73	2	2	1.01	<0.2	1.06	7.8	53	0.40
E6563136 (9234252)		5.19	3.23	1.60	9.25	18.1	5.47	2	2	1.08	0.2	0.72	15.2	52	0.43
E6563137 (9234253)		4.14	2.61	1.00	12.0	16.5	3.18	2	2	0.89	<0.2	0.96	5.3	28	0.43
E6563138 (9234254)		4.12	2.72	0.96	11.7	16.0	3.28	2	2	0.89	<0.2	0.97	5.7	29	0.41
E6563139 (9234255)		4.34	2.79	1.05	11.6	16.6	3.25	2	2	0.91	<0.2	0.96	5.9	32	0.44
E6563140 (9234256)		4.14	2.73	1.07	10.2	16.6	3.25	2	2	0.87	<0.2	0.93	5.5	35	0.41
E6563173 (9234257)		3.80	2.41	1.05	9.74	15.5	3.68	2	2	0.83	<0.2	1.04	11.8	22	0.37
E6563174 (9234258)		4.06	2.54	1.04	9.43	16.6	3.67	2	2	0.85	<0.2	1.12	11.2	19	0.38
E6563175 (9234259)		3.95	2.63	0.83	10.5	16.1	3.06	2	2	0.87	<0.2	0.66	5.0	18	0.42
E6563176 (9234260)		4.20	2.76	0.95	10.5	17.1	3.42	2	2	0.92	<0.2	1.07	4.6	21	0.39
E6563177 (9234261)		3.97	2.48	1.18	10.5	19.0	3.33	2	2	0.81	0.2	0.81	7.0	35	0.36
E6563178 (9234262)		4.17	2.72	1.31	10.3	18.8	3.47	2	2	0.91	0.2	0.87	7.7	30	0.43
E6563179 (9234263)		4.74	2.50	1.10	7.11	11.4	5.36	2	1	0.94	0.3	0.53	14.2	25	0.33
E6563180 (9234264)		0.27	0.19	<0.05	0.12	0.29	0.26	1	<1	0.06	<0.2	<0.05	1.2	<10	<0.05
E6563181 (9234265)		12.7	6.45	0.90	8.48	15.0	11.6	2	<1	2.41	0.5	<0.05	12.5	37	0.65
E6563182 (9234266)		4.03	2.56	1.31	10.8	18.2	3.36	2	2	0.87	0.2	0.70	7.4	40	0.37
E6563183 (9234267)		3.59	2.42	0.96	13.0	17.9	3.05	2	2	0.72	<0.2	1.33	4.3	35	0.39
E6563184 (9234268)		4.11	2.55	0.89	9.86	14.9	3.1	1	2	0.84	<0.2	0.80	5.1	27	0.38
E6563185 (9234269)		4.31	2.90	1.06	11.2	16.7	3.37	2	2	0.98	<0.2	0.75	5.9	32	0.42
E6563186 (9234270)		3.27	2.06	1.09	3.07	11.3	4.18	2	5	0.69	0.2	3.15	38.0	10	0.33

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
E6563101 (9234217)		3.96	2670	6	2	14.8	66	0.04	15	3.11	10.7	0.25	1.2	43	19.4
E6563102 (9234218)		3.39	1940	5	2	8.0	79	0.04	<5	1.75	43.3	0.16	1.0	45	22.2
E6563103 (9234219)		3.13	1610	4	2	8.9	85	0.04	<5	1.98	58.3	0.14	0.9	44	21.8
E6563104 (9234220)		4.33	2670	<2	2	12.0	86	0.04	29	2.45	21.1	0.23	2.1	44	19.3
E6563105 (9234221)		4.14	2060	17	2	14.2	72	0.04	11	3.27	41.2	0.09	1.3	45	21.9
E6563106 (9234222)		5.12	2020	103	<1	13.3	2680	0.04	<5	2.64	3.0	1.44	92.5	36	15.6
E6563107 (9234223)		5.23	2980	15	2	18.2	71	0.04	8	3.88	4.9	0.18	1.8	45	19.4
E6563108 (9234224)		5.38	3130	5	<1	17.7	146	0.03	83	3.66	4.5	2.02	2.7	25	16.3
E6563109 (9234225)		10.0	8650	6	<1	40.7	171	0.01	51	8.30	1.2	2.04	5.3	14	6.37
E6563110 (9234226)		9.96	4270	5	2	32.4	100	0.04	18	7.12	3.1	0.32	1.1	37	12.1
E6563111 (9234227)		7.45	2270	14	2	28.5	111	0.09	<5	6.73	4.5	0.09	1.0	30	19.2
E6563112 (9234228)		2.88	147	<2	<1	1.1	<5	0.01	<5	0.27	0.4	0.78	<0.1	<5	4.95
E6563113 (9234229)		7.78	2660	12	2	24.2	188	0.04	12	5.84	4.1	1.29	1.5	40	17.3
E6563114 (9234230)		5.55	2730	13	4	52.8	115	0.24	15	12.3	3.1	0.25	1.6	26	21.1
E6563115 (9234231)		7.56	3370	16	3	69.6	102	0.20	12	16.6	3.9	0.32	1.5	29	15.4
E6563116 (9234232)		8.05	2870	7	2	26.7	220	0.04	<5	6.30	7.8	1.16	1.9	45	16.2
E6563117 (9234233)		5.10	2770	16	3	41.3	126	0.20	<5	9.87	5.3	0.25	1.1	28	19.4
E6563118 (9234234)		5.66	2850	14	3	34.2	135	0.20	<5	8.04	5.4	0.18	1.2	32	19.7
E6563119 (9234235)		5.70	2930	31	3	34.6	151	0.29	<5	8.54	5.2	0.25	2.1	23	19.7
E6563120 (9234236)		6.20	2960	19	3	36.4	122	0.18	<5	8.49	4.3	0.16	2.0	34	19.2
E6563121 (9234237)		4.93	2330	18	2	23.0	111	0.09	<5	5.80	57.2	0.20	1.6	36	20.2
E6563122 (9234238)		6.51	2980	22	2	24.7	152	0.15	<5	5.83	4.6	0.59	1.5	33	17.9
E6563123 (9234239)		6.19	2870	8	2	24.9	124	0.03	6	5.73	6.0	0.35	1.7	43	15.9
E6563124 (9234240)		4.55	2620	6	3	41.9	113	0.17	7	9.88	5.3	0.20	1.2	35	19.8
E6563125 (9234241)		4.71	3040	3	3	58.8	104	0.11	38	13.8	6.0	0.29	1.4	35	17.5
E6563126 (9234242)		2.61	464	13	8	32.8	170	0.07	12	9.13	108	1.69	1.6	7	26.8
E6563127 (9234243)		3.53	1800	<2	2	45.6	111	0.04	9	11.7	11.5	0.39	1.7	43	21.4
E6563128 (9234244)		3.60	2030	2	2	20.4	90	0.04	<5	4.94	70.3	0.13	1.5	42	20.5
E6563129 (9234245)		5.75	2090	14	4	32.1	144	0.28	<5	7.48	111	0.13	1.2	24	20.7
E6563130 (9234246)		5.90	2260	19	4	36.1	140	0.29	<5	8.61	93.1	0.14	1.2	23	21.0
E6563131 (9234247)		3.78	2120	29	2	12.7	78	0.05	40	2.99	7.0	0.11	1.8	36	21.5
E6563132 (9234248)		3.21	144	<2	<1	1.0	<5	<0.01	<5	0.22	0.7	0.74	<0.1	<5	4.34

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
		0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6563133 (9234249)		6.12	2590	13	2	18.5	261	0.04	15	4.23	7.9	0.39	1.9	39	17.5
E6563134 (9234250)		3.80	1500	4	2	6.3	78	0.04	46	1.44	12.4	0.06	0.6	44	22.7
E6563135 (9234251)		2.87	1700	4	2	10.4	83	0.04	20	2.27	88.2	0.17	0.6	44	21.6
E6563136 (9234252)		3.82	2020	3	2	17.9	98	0.04	10	4.27	63.8	0.19	0.6	47	19.5
E6563137 (9234253)		3.39	2690	3	2	8.9	112	0.03	<5	1.75	56.4	0.54	0.9	47	19.5
E6563138 (9234254)		3.26	2410	3	2	9.0	109	0.03	<5	1.94	56.5	0.46	0.9	42	19.9
E6563139 (9234255)		3.18	2120	<2	2	9.3	126	0.04	<5	1.91	50.3	0.81	0.6	44	20.3
E6563140 (9234256)		3.34	1850	3	2	9.2	105	0.03	<5	1.80	49.4	0.58	0.6	43	21.0
E6563173 (9234257)		3.25	2400	3	2	15.1	110	0.06	47	3.57	33.3	0.24	0.5	42	22.0
E6563174 (9234258)		2.97	2330	5	2	14.9	92	0.06	30	3.40	36.2	0.29	0.3	40	22.8
E6563175 (9234259)		2.60	2410	5	2	7.9	107	0.03	42	1.69	22.9	0.47	1.2	46	21.9
E6563176 (9234260)		2.57	2420	<2	2	8.4	116	0.04	70	1.72	40.7	0.60	1.2	46	22.2
E6563177 (9234261)		3.38	1860	<2	2	9.8	109	0.04	18	2.14	32.5	0.19	0.7	45	20.2
E6563178 (9234262)		3.24	1860	<2	2	10.1	112	0.04	18	2.23	40.0	0.26	0.7	46	19.2
E6563179 (9234263)		2.48	1270	4	1	18.7	26600	0.02	335	4.12	20.0	4.03	14.7	26	12.6
E6563180 (9234264)		2.68	122	<2	<1	1.0	24	<0.01	<5	0.24	0.6	0.74	<0.1	<5	4.00
E6563181 (9234265)		4.24	2510	205	<1	25.1	5280	0.04	<5	5.03	2.3	2.31	187	21	8.26
E6563182 (9234266)		3.79	1940	<2	2	9.7	113	0.03	6	2.21	33.7	0.13	1.2	45	17.4
E6563183 (9234267)		3.76	2520	<2	2	8.4	122	0.04	52	1.52	60.2	0.22	1.0	48	22.9
E6563184 (9234268)		3.06	1810	<2	2	8.8	128	0.04	20	1.8	28.4	0.15	0.4	47	20.8
E6563185 (9234269)		3.38	1810	<2	2	10.0	107	0.03	47	2.11	37.9	0.17	0.5	46	20.1
E6563186 (9234270)		2.69	460	12	7	33.1	169	0.07	14	9.27	107	1.62	1.5	7	24.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6563101 (9234217)	4.9	<1	51.4	<0.5	0.96	0.4	0.57	<0.5	0.42	0.31	281	<1	29.7	2.6
E6563102 (9234218)	2.8	<1	144	<0.5	0.58	0.4	0.60	<0.5	0.36	0.16	310	<1	20.3	2.4
E6563103 (9234219)	2.6	<1	109	<0.5	0.58	0.4	0.60	0.5	0.33	0.28	307	<1	19.8	2.2
E6563104 (9234220)	3.7	4	67.7	<0.5	0.74	0.4	0.64	<0.5	0.39	0.46	304	1	24.2	2.5
E6563105 (9234221)	4.0	3	68.4	<0.5	0.82	0.4	0.64	<0.5	0.41	0.60	304	3	23.4	2.7
E6563106 (9234222)	5.0	<1	70.5	<0.5	1.20	0.4	0.21	<0.5	0.55	10.0	172	<1	40.9	3.4
E6563107 (9234223)	6.2	3	45.9	<0.5	1.20	0.4	0.64	<0.5	0.50	0.57	319	1	31.1	3.1
E6563108 (9234224)	6.4	4	52.1	<0.5	1.08	0.3	0.31	<0.5	0.37	0.48	221	<1	29.5	2.5
E6563109 (9234225)	15.5	<1	47.3	<0.5	3.34	0.1	0.08	1.3	1.16	0.22	143	<1	103	7.3
E6563110 (9234226)	11.1	<1	25.3	<0.5	2.22	0.4	0.53	<0.5	0.86	0.96	286	<1	71.4	5.2
E6563111 (9234227)	7.3	2	18.3	<0.5	1.21	1.4	0.50	<0.5	0.49	1.16	241	1	38.1	3.1
E6563112 (9234228)	0.2	<1	69.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.4	0.2
E6563113 (9234229)	5.9	1	23.6	<0.5	0.77	0.4	0.59	<0.5	0.40	0.98	312	2	23.5	2.7
E6563114 (9234230)	11.7	2	57.8	<0.5	1.40	4.0	0.49	<0.5	0.44	1.26	199	<1	33.0	2.8
E6563115 (9234231)	17.6	<1	82.6	<0.5	2.91	3.4	0.43	<0.5	0.96	1.60	181	<1	87.1	5.3
E6563116 (9234232)	6.0	1	20.5	<0.5	0.90	0.7	0.58	<0.5	0.44	0.83	316	1	25.4	2.9
E6563117 (9234233)	9.5	4	66.6	<0.5	1.33	3.3	0.46	<0.5	0.43	0.94	203	1	34.2	2.6
E6563118 (9234234)	8.1	3	57.9	<0.5	1.22	3.2	0.51	<0.5	0.43	1.02	228	1	33.1	2.7
E6563119 (9234235)	8.0	1	76.8	<0.5	1.01	3.9	0.45	<0.5	0.29	1.06	180	<1	24.6	1.9
E6563120 (9234236)	9.3	1	52.2	<0.5	1.34	2.7	0.54	<0.5	0.46	1.11	249	1	34.1	3.0
E6563121 (9234237)	4.6	2	58.0	<0.5	0.74	1.4	0.52	0.6	0.37	0.64	256	<1	22.7	2.3
E6563122 (9234238)	6.0	1	54.0	<0.5	0.84	2.1	0.48	<0.5	0.33	0.84	232	<1	24.1	2.3
E6563123 (9234239)	7.0	2	39.6	<0.5	1.30	0.5	0.58	<0.5	0.57	0.61	292	2	39.9	3.6
E6563124 (9234240)	10.1	2	57.0	<0.5	1.35	2.7	0.54	<0.5	0.51	0.86	235	1	35.4	3.2
E6563125 (9234241)	13.7	1	65.0	<0.5	1.74	1.7	0.52	<0.5	0.59	0.76	237	<1	45.8	3.7
E6563126 (9234242)	5.5	2	29.3	<0.5	0.62	10.7	0.24	0.8	0.30	5.86	60	4	18.0	1.9
E6563127 (9234243)	8.7	<1	57.7	<0.5	1.16	0.6	0.66	<0.5	0.46	0.61	295	1	30.6	2.9
E6563128 (9234244)	4.7	<1	72.6	<0.5	0.77	0.5	0.58	0.6	0.40	0.40	290	1	23.4	2.6
E6563129 (9234245)	6.9	<1	110	<0.5	0.84	4.2	0.47	0.8	0.28	1.12	172	1	20.2	1.6
E6563130 (9234246)	7.6	<1	98.9	<0.5	0.86	4.8	0.47	0.7	0.26	1.31	172	1	19.3	1.7
E6563131 (9234247)	3.1	1	44.0	<0.5	0.63	0.7	0.62	<0.5	0.36	0.78	272	1	21.2	2.4
E6563132 (9234248)	0.2	<1	66.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.12	<5	<1	2.3	0.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563133 (9234249)		5.9	<1	35.4	<0.5	1.52	0.5	0.60	<0.5	0.68	1.46	267	1	49.3	4.4
E6563134 (9234250)		2.0	<1	35.7	<0.5	0.38	0.5	0.67	<0.5	0.22	0.26	327	1	11.0	1.6
E6563135 (9234251)		3.0	<1	68.6	<0.5	0.71	0.4	0.64	0.6	0.42	0.22	309	1	24.3	2.7
E6563136 (9234252)		4.9	<1	48.7	<0.5	0.89	0.6	0.63	0.6	0.46	0.33	334	2	27.9	3.0
E6563137 (9234253)		2.6	<1	118	<0.5	0.61	0.5	0.55	<0.5	0.41	0.17	334	1	23.0	2.6
E6563138 (9234254)		2.6	<1	108	<0.5	0.61	0.5	0.57	<0.5	0.42	0.16	297	1	22.8	2.8
E6563139 (9234255)		2.6	<1	143	<0.5	0.67	0.5	0.59	<0.5	0.41	0.23	304	1	23.6	2.8
E6563140 (9234256)		2.6	<1	148	<0.5	0.63	0.4	0.58	<0.5	0.40	0.18	299	1	22.4	2.6
E6563173 (9234257)		3.4	4	248	<0.5	0.60	1.7	0.56	<0.5	0.33	0.35	285	<1	20.7	2.3
E6563174 (9234258)		3.7	<1	253	<0.5	0.66	1.7	0.57	<0.5	0.38	0.35	281	<1	21.0	2.4
E6563175 (9234259)		2.6	<1	250	<0.5	0.58	0.4	0.57	<0.5	0.42	0.16	304	<1	22.7	2.8
E6563176 (9234260)		2.6	<1	210	<0.5	0.61	0.4	0.60	<0.5	0.41	0.13	304	1	22.8	2.7
E6563177 (9234261)		2.8	<1	83.2	<0.5	0.57	0.4	0.65	<0.5	0.37	0.20	313	<1	20.7	2.5
E6563178 (9234262)		3.0	<1	101	<0.5	0.63	0.4	0.65	<0.5	0.38	0.20	318	<1	22.8	2.7
E6563179 (9234263)		5.5	<1	52.1	<0.5	0.84	0.3	0.39	<0.5	0.34	0.53	196	<1	24.7	2.1
E6563180 (9234264)		0.2	<1	65.6	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.31	<5	<1	2.3	0.2
E6563181 (9234265)		9.3	<1	20.0	<0.5	2.14	0.8	0.20	<0.5	0.80	21.3	155	<1	66.1	4.9
E6563182 (9234266)		2.9	<1	89.3	<0.5	0.6	0.4	0.65	<0.5	0.37	0.37	334	1	21.1	2.6
E6563183 (9234267)		2.5	<1	180	<0.5	0.50	0.4	0.68	<0.5	0.36	0.27	319	2	21.2	2.4
E6563184 (9234268)		2.7	<1	170	<0.5	0.59	0.4	0.63	<0.5	0.37	0.2	313	1	21	2.5
E6563185 (9234269)		2.9	<1	152	<0.5	0.64	0.4	0.62	<0.5	0.41	0.27	315	1	22.9	2.7
E6563186 (9234270)		5.7	1	27.7	<0.5	0.65	10.7	0.23	0.9	0.30	5.89	59	4	17.6	2.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018 DATE RECEIVED: May 10, 2018 DATE REPORTED: May 23, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563101 (9234217)		44	51.5
E6563102 (9234218)		66	56.6
E6563103 (9234219)		51	57.3
E6563104 (9234220)		48	59.1
E6563105 (9234221)		38	56.7
E6563106 (9234222)		60	27.9
E6563107 (9234223)		46	56.7
E6563108 (9234224)		36	28.9
E6563109 (9234225)		19	7.6
E6563110 (9234226)		144	49.9
E6563111 (9234227)		43	68.1
E6563112 (9234228)		5	2.2
E6563113 (9234229)		51	57.5
E6563114 (9234230)		120	117
E6563115 (9234231)		57	103
E6563116 (9234232)		54	59.9
E6563117 (9234233)		33	102
E6563118 (9234234)		34	108
E6563119 (9234235)		35	111
E6563120 (9234236)		34	101
E6563121 (9234237)		37	71.4
E6563122 (9234238)		43	85.6
E6563123 (9234239)		37	55.6
E6563124 (9234240)		30	100
E6563125 (9234241)		30	79.7
E6563126 (9234242)		10	164
E6563127 (9234243)		29	66.3
E6563128 (9234244)		29	58.8
E6563129 (9234245)		42	127
E6563130 (9234246)		49	134
E6563131 (9234247)		84	67.7
E6563132 (9234248)		<5	1.7

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 09, 2018 DATE RECEIVED: May 10, 2018 DATE REPORTED: May 23, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563133 (9234249)		252	62.1
E6563134 (9234250)		182	63.3
E6563135 (9234251)		72	61.9
E6563136 (9234252)		70	57.7
E6563137 (9234253)		83	54.1
E6563138 (9234254)		81	54.3
E6563139 (9234255)		74	57.5
E6563140 (9234256)		69	56.1
E6563173 (9234257)		133	62.6
E6563174 (9234258)		103	66.1
E6563175 (9234259)		125	54.0
E6563176 (9234260)		120	55.8
E6563177 (9234261)		82	58.7
E6563178 (9234262)		78	60.0
E6563179 (9234263)		529	36.7
E6563180 (9234264)		<5	1.9
E6563181 (9234265)		45	29.2
E6563182 (9234266)		95	57.4
E6563183 (9234267)		157	57.8
E6563184 (9234268)		98	51.7
E6563185 (9234269)		130	58.0
E6563186 (9234270)		9	162

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Sieving - % Passing (Crushing)

DATE SAMPLED: May 09, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: May 23, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563104 (9234220)		92
E6563105 (9234221)		85
E6563111 (9234227)		86
E6563121 (9234237)		87
E6563131 (9234247)		87
E6563136 (9234252)		82
E6563140 (9234256)		84
E6563174 (9234258)		82

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9234267	< 1	< 1	0.0%	9234228	< 1	< 1	0.0%	9234240	< 1	< 1	0.0%	9234243	< 1	< 1	0.0%
Al	9234267	8.95	8.67	3.2%	9234228	0.10	0.10	0.0%	9234240	6.74	6.63	1.6%	9234243	8.21	8.31	1.2%
As	9234267	81	89	9.4%	9234228	6	5	18.2%	9234240	21	21	0.0%	9234243	176	180	2.2%
B	9234267	< 20	< 20	0.0%	9234228	< 20	< 20	0.0%	9234240	< 20	< 20	0.0%	9234243	< 20	< 20	0.0%
Ba	9234267	330	323	2.1%	9234228	12.5	13.3	6.2%	9234240	15.2	15.4	1.3%	9234243	30.4	32.3	6.1%
Be	9234267	< 5	< 5	0.0%	9234228	< 5	< 5	0.0%	9234240	< 5	< 5	0.0%	9234243	< 5	< 5	0.0%
Bi	9234267	60.0	71.0	16.8%	9234228	0.2	0.1		9234240	< 0.1	< 0.1	0.0%	9234243	0.5	0.5	0.0%
Ca	9234267	7.33	7.05	3.9%	9234228	34.0	33.3	2.1%	9234240	5.16	5.09	1.4%	9234243	3.11	3.14	1.0%
Cd	9234267	< 0.2	< 0.2	0.0%	9234228	< 0.2	< 0.2	0.0%	9234240	< 0.2	< 0.2	0.0%	9234243	< 0.2	< 0.2	0.0%
Ce	9234267	10.7	10.6	0.9%	9234228	1.47	1.38	6.3%	9234240	78.9	77.1	2.3%	9234243	103	105	1.9%
Co	9234267	83.5	83.4	0.1%	9234228	1.6	1.5	6.5%	9234240	33.5	33.5	0.0%	9234243	197	206	4.5%
Cr	9234217	0.0199	0.0190	4.6%	9234228	< 0.005	< 0.005	0.0%	9234240	0.042	0.042	0.0%	9234243	0.021	0.022	4.7%
Cs	9234267	2.16	1.99	8.2%	9234228	< 0.1	< 0.1	0.0%	9234240	1.0	1.0	0.0%	9234243	1.16	1.09	6.2%
Cu	9234267	23	21	9.1%	9234228	6	6	0.0%	9234240	403	393	2.5%	9234243	250	260	3.9%
Dy	9234267	3.59	3.66	1.9%	9234228	0.295	0.269	9.2%	9234240	7.24	6.97	3.8%	9234243	6.30	6.22	1.3%
Er	9234267	2.42	2.47	2.0%	9234228	0.176	0.152	14.6%	9234240	3.52	3.71	5.3%	9234243	3.34	3.36	0.6%
Eu	9234267	0.96	0.98	2.1%	9234228	< 0.05	< 0.05	0.0%	9234240	3.41	3.26	4.5%	9234243	3.87	3.85	0.5%
Fe	9234267	13.0	12.4	4.7%	9234228	0.18	0.18	0.0%	9234240	9.96	9.79	1.7%	9234243	8.41	8.55	1.7%
Ga	9234267	17.9	15.9	11.8%	9234228	0.38	0.37	2.7%	9234240	15.8	16.3	3.1%	9234243	17.6	17.8	1.1%
Gd	9234267	3.05	3.15	3.2%	9234228	0.26	0.27	3.8%	9234240	9.46	9.01	4.9%	9234243	7.81	7.90	1.1%
Ge	9234267	2	2	0.0%	9234228	1	1	0.0%	9234240	2	2	0.0%	9234243	2	2	0.0%
Hf	9234267	2	2	0.0%	9234228	< 1	< 1	0.0%	9234240	3	3	0.0%	9234243	2	2	0.0%
Ho	9234267	0.72	0.73	1.4%	9234228	0.06	0.05	18.2%	9234240	1.37	1.35	1.5%	9234243	1.27	1.21	4.8%
In	9234267	< 0.2	< 0.2	0.0%	9234228	< 0.2	< 0.2	0.0%	9234240	0.4	0.4	0.0%	9234243	0.3	0.3	0.0%
K	9234267	1.33	1.28	3.8%	9234228	< 0.05	< 0.05	0.0%	9234240	0.173	0.163	6.0%	9234243	0.30	0.30	0.0%
La	9234267	4.32	4.36	0.9%	9234228	1.3	1.3	0.0%	9234240	36.1	36.0	0.3%	9234243	57.5	59.5	3.4%
Li	9234267	35	34	2.9%	9234228	< 10	< 10	0.0%	9234240	50	50	0.0%	9234243	44	45	2.2%
Lu	9234267	0.39	0.38	2.6%	9234228	< 0.05	< 0.05	0.0%	9234240	0.46	0.45	2.2%	9234243	0.43	0.43	0.0%
Mg	9234267	3.76	3.61	4.1%	9234228	2.88	2.96	2.7%	9234240	4.55	4.56	0.2%	9234243	3.53	3.64	3.1%
Mn	9234267	2520	2450	2.8%	9234228	147	151	2.7%	9234240	2620	2580	1.5%	9234243	1800	1850	2.7%
Mo	9234267	< 2	< 2	0.0%	9234228	< 2	< 2	0.0%	9234240	6	6	0.0%	9234243	< 2	< 2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Nb	9234267	2	2	0.0%	9234228	< 1	< 1	0.0%	9234240	3	3	0.0%	9234243	2	2	0.0%
Nd	9234267	8.38	8.29	1.1%	9234228	1.13	1.21	6.8%	9234240	41.9	42.3	1.0%	9234243	45.6	46.8	2.6%
Ni	9234267	122	123	0.8%	9234228	< 5	5		9234240	113	111	1.8%	9234243	111	119	7.0%
P	9234267	0.04	0.04	0.0%	9234228	0.01	< 0.01		9234240	0.17	0.17	0.0%	9234243	0.04	0.04	0.0%
Pb	9234267	52	51	1.9%	9234228	< 5	< 5	0.0%	9234240	7	6	15.4%	9234243	9	9	0.0%
Pr	9234267	1.52	1.49	2.0%	9234228	0.273	0.263	3.7%	9234240	9.88	9.82	0.6%	9234243	11.7	11.8	0.9%
Rb	9234267	60.2	57.3	4.9%	9234228	0.4	0.5	22.2%	9234240	5.3	5.4	1.9%	9234243	11.5	11.5	0.0%
S	9234267	0.22	0.22	0.0%	9234228	0.78	0.78	0.0%	9234240	0.195	0.191	2.1%	9234243	0.39	0.44	12.0%
Sb	9234267	1.0	1.0	0.0%	9234228	< 0.1	< 0.1	0.0%	9234240	1.23	1.28	4.0%	9234243	1.72	1.63	5.4%
Sc	9234267	48	47	2.1%	9234228	< 5	< 5	0.0%	9234240	35	34	2.9%	9234243	43	45	4.5%
Si	9234267	22.9	21.9	4.5%	9234228	4.95	4.78	3.5%	9234240	19.8	19.5	1.5%	9234243	21.4	21.7	1.4%
Sm	9234267	2.5	2.5	0.0%	9234228	0.24	0.26	8.0%	9234240	10.1	9.7	4.0%	9234243	8.71	9.26	6.1%
Sn	9234267	< 1	1		9234228	< 1	< 1	0.0%	9234240	2	1		9234243	< 1	< 1	0.0%
Sr	9234267	180	179	0.6%	9234228	69.5	69.9	0.6%	9234240	57.0	55.8	2.1%	9234243	57.7	61.4	6.2%
Ta	9234267	< 0.5	< 0.5	0.0%	9234228	< 0.5	0.5		9234240	< 0.5	< 0.5	0.0%	9234243	< 0.5	< 0.5	0.0%
Tb	9234267	0.50	0.51	2.0%	9234228	< 0.05	< 0.05	0.0%	9234240	1.35	1.33	1.5%	9234243	1.16	1.15	0.9%
Th	9234267	0.4	0.4	0.0%	9234228	< 0.1	< 0.1	0.0%	9234240	2.7	2.8	3.6%	9234243	0.63	0.54	15.4%
Ti	9234267	0.679	0.664	2.2%	9234228	< 0.01	< 0.01	0.0%	9234240	0.54	0.54	0.0%	9234243	0.66	0.67	1.5%
Tl	9234267	< 0.5	< 0.5	0.0%	9234228	< 0.5	< 0.5	0.0%	9234240	< 0.5	< 0.5	0.0%	9234243	< 0.5	< 0.5	0.0%
Tm	9234267	0.36	0.36	0.0%	9234228	< 0.05	< 0.05	0.0%	9234240	0.505	0.478	5.5%	9234243	0.46	0.47	2.2%
U	9234267	0.271	0.288	6.1%	9234228	0.102	0.092	10.3%	9234240	0.86	0.88	2.3%	9234243	0.608	0.602	1.0%
V	9234267	319	310	2.9%	9234228	< 5	< 5	0.0%	9234240	235	232	1.3%	9234243	295	305	3.3%
W	9234267	2	2	0.0%	9234228	< 1	< 1	0.0%	9234240	1	1	0.0%	9234243	1	1	0.0%
Y	9234267	21.2	19.9	6.3%	9234228	2.45	2.55	4.0%	9234240	35.4	36.2	2.2%	9234243	30.6	29.8	2.6%
Yb	9234267	2.4	2.5	4.1%	9234228	0.16	0.15	6.5%	9234240	3.2	3.1	3.2%	9234243	2.88	2.96	2.7%
Zn	9234267	157	154	1.9%	9234228	5	5	0.0%	9234240	30	30	0.0%	9234243	29	30	3.4%
Zr	9234267	57.8	55.3	4.4%	9234228	2.19	1.73	23.5%	9234240	100	102	2.0%	9234243	66.3	66.2	0.2%

Parameter	REPLICATE #5				REPLICATE #6											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9234252	< 1	< 1	0.0%	9234264	< 1	< 1	0.0%								
Al	9234252	7.92	8.07	1.9%	9234264	0.109	0.103	5.7%								
As	9234252	56	54	3.6%	9234264	176	150	16.0%								
B	9234252	< 20	< 20	0.0%	9234264	35	30	15.4%								
Ba	9234252	55.5	54.5	1.8%	9234264	14.7	14.7	0.0%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Be	9234252	< 5	< 5	0.0%	9234264	< 5	< 5	0.0%									
Bi	9234252	0.3	0.3	0.0%	9234264	38.5	30.0	24.8%									
Ca	9234252	5.13	5.02	2.2%	9234264	33.4	32.1	4.0%									
Cd	9234252	0.2	< 0.2		9234264	< 0.2	< 0.2	0.0%									
Ce	9234252	32.5	32.4	0.3%	9234264	1.06	1.01	4.8%									
Co	9234252	48.7	48.1	1.2%	9234264	41.9	41.1	1.9%									
Cr	9234252	0.020	0.020	0.0%	9234264	< 0.005	< 0.005	0.0%									
Cs	9234252	4.91	4.98	1.4%	9234264	< 0.1	< 0.1	0.0%									
Cu	9234252	31	30	3.3%	9234264	7	7	0.0%									
Dy	9234252	5.19	5.40	4.0%	9234264	0.275	0.278	1.1%									
Er	9234252	3.23	3.21	0.6%	9234264	0.194	0.209	7.4%									
Eu	9234252	1.60	1.64	2.5%	9234264	< 0.05	< 0.05	0.0%									
Fe	9234252	9.25	9.32	0.8%	9234264	0.121	0.114	6.0%									
Ga	9234252	18.1	17.9	1.1%	9234264	0.286	0.251	13.0%									
Gd	9234252	5.47	5.41	1.1%	9234264	0.26	0.24	8.0%									
Ge	9234252	2	2	0.0%	9234264	1	1	0.0%									
Hf	9234252	2	2	0.0%	9234264	< 1	< 1	0.0%									
Ho	9234252	1.08	1.10	1.8%	9234264	0.06	0.06	0.0%									
In	9234252	0.2	0.2	0.0%	9234264	< 0.2	< 0.2	0.0%									
K	9234252	0.721	0.730	1.2%	9234264	< 0.05	< 0.05	0.0%									
La	9234252	15.2	15.4	1.3%	9234264	1.2	1.2	0.0%									
Li	9234252	52	51	1.9%	9234264	< 10	< 10	0.0%									
Lu	9234252	0.43	0.44	2.3%	9234264	< 0.05	< 0.05	0.0%									
Mg	9234252	3.82	3.81	0.3%	9234264	2.68	2.67	0.4%									
Mn	9234252	2020	1990	1.5%	9234264	122	123	0.8%									
Mo	9234252	3	3	0.0%	9234264	< 2	< 2	0.0%									
Nb	9234252	2	2	0.0%	9234264	< 1	< 1	0.0%									
Nd	9234252	17.9	18.3	2.2%	9234264	1.0	1.0	0.0%									
Ni	9234252	98	98	0.0%	9234264	24	23	4.3%									
P	9234252	0.036	0.034	5.7%	9234264	< 0.01	< 0.01	0.0%									
Pb	9234252	10	10	0.0%	9234264	< 5	< 5	0.0%									
Pr	9234252	4.27	4.12	3.6%	9234264	0.24	0.22	8.7%									
Rb	9234252	63.8	64.8	1.6%	9234264	0.6	0.6	0.0%									
S	9234252	0.19	0.19	0.0%	9234264	0.74	0.74	0.0%									



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Sb	9234252	0.6	0.6	0.0%	9234264	< 0.1	< 0.1	0.0%												
Sc	9234252	47	46	2.2%	9234264	< 5	< 5	0.0%												
Si	9234252	19.5	19.6	0.5%	9234264	4.00	3.96	1.0%												
Sm	9234252	4.94	5.07	2.6%	9234264	0.2	0.2	0.0%												
Sn	9234252	< 1	< 1	0.0%	9234264	< 1	< 1	0.0%												
Sr	9234252	48.7	49.7	2.0%	9234264	65.6	65.8	0.3%												
Ta	9234252	< 0.5	< 0.5	0.0%	9234264	< 0.5	< 0.5	0.0%												
Tb	9234252	0.893	0.920	3.0%	9234264	< 0.05	< 0.05	0.0%												
Th	9234252	0.6	0.6	0.0%	9234264	< 0.1	< 0.1	0.0%												
Ti	9234252	0.63	0.63	0.0%	9234264	< 0.01	< 0.01	0.0%												
Tl	9234252	0.59	0.54	8.8%	9234264	< 0.5	< 0.5	0.0%												
Tm	9234252	0.46	0.46	0.0%	9234264	< 0.05	< 0.05	0.0%												
U	9234252	0.33	0.33	0.0%	9234264	0.31	0.24	25.5%												
V	9234252	334	323	3.3%	9234264	< 5	< 5	0.0%												
W	9234252	2	1		9234264	< 1	< 1	0.0%												
Y	9234252	27.9	27.5	1.4%	9234264	2.3	2.3	0.0%												
Yb	9234252	2.98	2.93	1.7%	9234264	0.2	0.2	0.0%												
Zn	9234252	70	68	2.9%	9234264	9	7	25.0%												
Zr	9234252	57.7	59.8	3.6%	9234264	1.86	1.50	21.4%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SY-4)				CRM #3 (ref.SU-1b)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									6.39	6.24	98%	90% - 110%				
Al	4.30	4.16	97%	90% - 110%					4.30	4.35	101%	90% - 110%	10.95	10.82	99%	90% - 110%
As									2.49	2.48	99%	90% - 110%				
Ba					340	338	100%	90% - 110%					340	328	96%	90% - 110%
Be					2.6	2.8	108%	90% - 110%					2.6	2.8	107%	90% - 110%
Ca	2.21	2.19	99%	90% - 110%					2.21	2.34	106%	90% - 110%	5.72	5.55	97%	90% - 110%
Ce					122	115	94%	90% - 110%					122	124	102%	90% - 110%
Co					2.8	2.5	90%	90% - 110%	672	708	105%	90% - 110%	2.8	2.5	90%	90% - 110%
Cr									0.032	0.035	109%	90% - 110%				
Cs					1.5	1.6	105%	90% - 110%					1.5	1.4	94%	90% - 110%
Cu	11850	10970	93%	90% - 110%					11850	11473	97%	90% - 110%				
Dy					18.2	18.2	100%	90% - 110%					18.2	19.4	107%	90% - 110%
Er					14.2	14.3	101%	90% - 110%					14.2	15.1	106%	90% - 110%
Eu					2.0	1.96	98%	90% - 110%					2.0	1.96	98%	90% - 110%
Fe	25.54	25.93	102%	90% - 110%					25.54	25.36	99%	90% - 110%	4.34	4.22	97%	90% - 110%
Ga					35	35	100%	90% - 110%					35	36	102%	90% - 110%
Gd					14	15	104%	90% - 110%					14	14	101%	90% - 110%
Hf					10.6	11.1	104%	90% - 110%					10.6	11.1	105%	90% - 110%
Ho					4.3	4	92%	90% - 110%					4.3	4.6	106%	90% - 110%
K					1.37	1.39	101%	90% - 110%					1.37	1.38	101%	90% - 110%
La					58	54	93%	90% - 110%					58	57	98%	90% - 110%
Li					37	39	106%	90% - 110%					37	40	107%	90% - 110%
Lu					2.1	2.1	100%	90% - 110%					2.1	2.2	105%	90% - 110%
Mg	1.79	1.82	102%	90% - 110%					1.79	1.87	105%	90% - 110%	0.325	0.323	99%	90% - 110%
Mn	703	647	92%	90% - 110%					703	668	95%	90% - 110%	836	808	97%	90% - 110%
Nb					13	13	97%	90% - 110%					13	13	97%	90% - 110%
Nd					57	61	106%	90% - 110%					57	61	107%	90% - 110%
Ni	19530	17976	92%	90% - 110%					19530	18585	95%	90% - 110%	9	10	116%	90% - 110%
Pb					10	10	97%	90% - 110%	58	62	106%	90% - 110%	10	9	94%	90% - 110%
Pr					15.0	14	93%	90% - 110%					15.0	15.7	105%	90% - 110%
Rb					55	52	94%	90% - 110%					55	56	102%	90% - 110%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

S	14.14	13.16	93%	90% - 110%					14.14	14.01	99%	90% - 110%				
Si	15.23	14.45	95%	90% - 110%					15.23	15.47	102%	90% - 110%	23.3	22.4	96%	90% - 110%
Sm					12.7	13.4	106%	90% - 110%					12.7	13.1	103%	90% - 110%
Sn					7.1	7.5	106%	90% - 110%					7.1	7.1	100%	90% - 110%
Sr					1191	1220	102%	90% - 110%					1191	1220	102%	90% - 110%
Ta					0.9	0.7	83%	90% - 110%					0.9	0.9	102%	90% - 110%
Tb					2.6	2.4	93%	90% - 110%					2.6	2.8	108%	90% - 110%
Th					1.4	1.3	91%	90% - 110%					1.4	1.2	85%	90% - 110%
Ti					0.172	0.167	97%	90% - 110%					0.172	0.166	96%	90% - 110%
Tm					2.3	2.3	99%	90% - 110%					2.3	2.4	104%	90% - 110%
U					0.8	0.8	94%	90% - 110%					0.8	0.8	104%	90% - 110%
V					8	10	120%	90% - 110%					8	9	117%	90% - 110%
Y					119	108	91%	90% - 110%					119	119	100%	90% - 110%
Yb					14.8	15	102%	90% - 110%					14.8	15.8	107%	90% - 110%
Zn	235	259	110%	90% - 110%					235	250	106%	90% - 110%	93	93	100%	90% - 110%
Zr					517	538	104%	90% - 110%					517	564	109%	90% - 110%
CRM #5 (ref.SU-1b)																
Parameter	Expect	Actual	Recovery	Limits												
Ag	6.39	6.57	103%	90% - 110%												
Al	4.30	4.44	103%	90% - 110%												
As	2.49	2.56	103%	90% - 110%												
Ca	2.21	2.44	110%	90% - 110%												
Co	672	696	104%	90% - 110%												
Cr	0.032	0.035	108%	90% - 110%												
Cu	11850	11486	97%	90% - 110%												
Fe	25.54	25.8	101%	90% - 110%												
Mg	1.79	1.74	97%	90% - 110%												
Mn	703	644	92%	90% - 110%												
Ni	19530	18198	93%	90% - 110%												
Pb	58	63	109%	90% - 110%												
S	14.14	13.12	93%	90% - 110%												
Si	15.23	15.1	99%	90% - 110%												
Zn	235	251	107%	90% - 110%												



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-135B
 SAMPLING SITE:

AGAT WORK ORDER: 18B337981
 ATTENTION TO: FRANK SANTAGUIDA
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B337981

PROJECT: DDH-135B

ATTENTION TO: FRANK SANTAGUIDA

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-135C

AGAT WORK ORDER: 18B338693

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jun 18, 2018

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018 DATE RECEIVED: May 10, 2018 DATE REPORTED: Jun 18, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563141 (9240480)		2.44
E6563142 (9240481)		2.77
E6563143 (9240482)		2.85
E6563144 (9240483)		3.18
E6563145 (9240484)		2.82
E6563146 (9240485)		0.01
E6563147 (9240486)		3.19
E6563148 (9240487)		2.94
E6563149 (9240488)		1.20
E6563150 (9240489)		1.93
E6563151 (9240490)		2.70
E6563152 (9240491)		1.41
E6563153 (9240492)		3.49
E6563154 (9240493)		2.46
E6563155 (9240494)		3.05
E6563156 (9240495)		2.56
E6563157 (9240496)		3.15
E6563158 (9240497)		3.15
E6563159 (9240498)		2.60
E6563160 (9240499)		3.24
E6563161 (9240500)		2.61
E6563162 (9240501)		2.74
E6563163 (9240502)		2.81
E6563164 (9240503)		2.52
E6563165 (9240504)		2.72
E6563166 (9240505)		0.01
E6563167 (9240506)		2.21
E6563168 (9240507)		2.64
E6563169 (9240508)		2.54
E6563170 (9240509)		3.30
E6563171 (9240510)		2.78

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6563172 (9240511)		1.44
E6563187 (9240512)		2.52
E6563188 (9240513)		2.96
E6563189 (9240514)		2.92
E6563190 (9240515)		3.14
E6563191 (9240516)		2.83
E6563192 (9240517)		1.24
E6563193 (9240518)		2.59
E6563194 (9240519)		2.80
E6563195 (9240520)		3.00
E6563196 (9240521)		2.24
E6563197 (9240522)		1.13
E6563198 (9240523)		1.13
E6563199 (9240524)		2.76
E6563200 (9240525)		3.11
E6563201 (9240526)		1.48
E6563202 (9240527)		1.36
E6563203 (9240528)		2.97
E6563204 (9240529)		3.06
E6563205 (9240530)		3.34
E6563206 (9240531)		0.01
E6563207 (9240532)		2.91
E6563208 (9240533)		2.78
E6563209 (9240534)		2.92
E6563210 (9240535)		3.00
E6563211 (9240536)		3.33
E6563212 (9240537)		1.37
E6563213 (9240538)		3.01
E6563214 (9240539)		3.38

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018					DATE REPORTED: Jun 18, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6563141 (9240480)	<1	6.00	7	<20	351	<5	<0.1	5.70	<0.2	63.2	40.6	0.051	3.1	29	
E6563142 (9240481)	<1	5.09	64	<20	50.0	<5	0.1	5.86	<0.2	125	95.1	0.055	1.2	27	
E6563143 (9240482)	<1	6.97	21	<20	150	<5	0.1	5.66	<0.2	52.7	55.9	0.027	1.5	52	
E6563144 (9240483)	<1	9.03	6	101	301	<5	0.1	7.46	<0.2	11.9	50.4	0.024	0.6	21	
E6563145 (9240484)	<1	7.72	5	45	245	<5	<0.1	5.07	<0.2	11.9	48.6	0.021	0.8	23	
E6563146 (9240485)	<1	4.54	577	109	175	<5	7.8	4.11	<0.2	68.8	981	0.007	2.8	3120	
E6563147 (9240486)	<1	8.02	11	26	196	<5	0.4	7.60	<0.2	13.6	58.7	0.021	1.4	115	
E6563148 (9240487)	<1	7.98	18	55	145	<5	0.6	8.33	1.2	10.7	70.9	0.018	0.9	407	
E6563149 (9240488)	<1	6.39	8	<20	144	<5	0.2	5.71	<0.2	43.8	48.5	0.027	0.5	16	
E6563150 (9240489)	<1	4.96	5	<20	46.9	<5	0.2	4.61	<0.2	73.1	41.4	0.037	0.6	19	
E6563151 (9240490)	<1	8.28	16	44	212	<5	0.2	9.65	0.3	11.4	64.6	0.021	0.3	180	
E6563152 (9240491)	<1	0.06	<5	<20	14.8	<5	<0.1	32.6	<0.2	0.9	1.0	<0.005	<0.1	5	
E6563153 (9240492)	<1	8.79	21	40	308	<5	0.6	8.83	<0.2	9.7	67.1	0.023	1.1	226	
E6563154 (9240493)	<1	10.8	59	23	155	<5	0.9	7.49	<0.2	12.1	64.9	0.027	1.1	52	
E6563155 (9240494)	<1	7.53	7	<20	135	<5	0.3	4.61	<0.2	13.3	50.8	0.019	0.9	16	
E6563156 (9240495)	<1	8.66	22	34	297	<5	0.4	7.14	<0.2	10.1	61.6	0.022	0.7	20	
E6563157 (9240496)	<1	7.64	10	38	346	<5	0.3	7.79	<0.2	9.8	49.2	0.021	0.7	9	
E6563158 (9240497)	<1	7.48	10	40	353	<5	0.2	7.82	<0.2	9.8	49.4	0.020	0.7	9	
E6563159 (9240498)	<1	8.11	5	27	190	<5	0.2	6.26	0.3	9.5	52.3	0.021	1.1	25	
E6563160 (9240499)	<1	7.03	<5	23	122	<5	0.1	5.88	<0.2	15.3	53.7	0.018	2.7	31	
E6563161 (9240500)	<1	8.47	8	23	158	<5	0.4	6.50	0.2	12.1	50.1	0.020	1.4	35	
E6563162 (9240501)	<1	7.91	8	<20	165	<5	0.4	5.67	<0.2	20.2	48.0	0.018	1.2	22	
E6563163 (9240502)	<1	7.74	5	31	143	<5	0.2	5.55	<0.2	13.8	50.6	0.017	1.7	47	
E6563164 (9240503)	<1	9.06	<5	<20	106	<5	<0.1	5.27	<0.2	16.2	49.7	0.021	1.4	25	
E6563165 (9240504)	<1	9.09	<5	33	261	<5	0.1	4.99	<0.2	10.7	61.8	0.022	1.0	11	
E6563166 (9240505)	<1	4.52	569	108	174	<5	7.7	4.15	<0.2	69.4	996	0.006	2.9	3060	
E6563167 (9240506)	<1	9.61	10	22	189	<5	0.3	3.81	0.7	11.6	41.6	0.024	1.2	28	
E6563168 (9240507)	<1	9.67	<5	22	203	<5	0.1	5.46	1.3	11.4	50.0	0.022	0.8	23	
E6563169 (9240508)	<1	8.41	<5	101	288	<5	0.1	6.61	0.6	10.1	55.0	0.021	0.9	28	
E6563170 (9240509)	<1	9.04	<5	45	508	<5	<0.1	7.21	0.2	28.3	52.3	0.026	1.1	20	
E6563171 (9240510)	<1	7.62	<5	78	1240	<5	<0.1	6.30	<0.2	79.9	36.3	0.035	0.3	12	
E6563172 (9240511)	<1	0.08	<5	<20	17.9	<5	<0.1	37.2	<0.2	1.0	1.0	<0.005	<0.1	<5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6563187 (9240512)	<1	7.83	<5	<20	237	<5	<0.1	5.18	<0.2	20.6	54.7	0.019	1.3	11	
E6563188 (9240513)	<1	8.31	12	<20	233	<5	0.2	5.05	<0.2	19.1	53.2	0.021	0.8	17	
E6563189 (9240514)	<1	8.49	8	<20	228	<5	0.2	5.81	<0.2	15.7	55.5	0.018	1.6	11	
E6563190 (9240515)	<1	7.15	<5	<20	120	<5	0.3	4.33	<0.2	22.0	45.8	0.016	0.9	19	
E6563191 (9240516)	<1	10.4	7	<20	142	<5	0.3	5.60	<0.2	17.8	51.6	0.021	0.8	27	
E6563192 (9240517)	<1	0.07	<5	<20	17.1	<5	<0.1	31.8	<0.2	0.9	1.0	<0.005	<0.1	<5	
E6563193 (9240518)	<1	10.6	7	<20	82.7	<5	0.2	4.15	<0.2	21.5	41.3	0.026	0.5	14	
E6563194 (9240519)	<1	9.42	18	<20	97.3	<5	0.4	4.59	<0.2	20.4	52.5	0.023	0.3	20	
E6563195 (9240520)	<1	7.93	6	73	248	<5	0.1	6.68	<0.2	20.2	46.6	0.019	0.4	6	
E6563196 (9240521)	<1	7.48	<5	36	259	<5	<0.1	5.33	0.3	25.9	46.6	0.019	0.3	26	
E6563197 (9240522)	<1	5.69	7	<20	242	<5	0.2	4.85	<0.2	32.1	48.1	0.082	1.5	13	
E6563198 (9240523)	<1	5.72	6	<20	244	<5	<0.1	4.86	<0.2	32.5	46.9	0.081	1.4	11	
E6563199 (9240524)	<1	7.19	6	<20	265	<5	<0.1	5.24	0.8	42.5	41.8	0.050	0.6	52	
E6563200 (9240525)	<1	6.95	12	34	122	<5	0.2	6.33	3.9	55.5	53.4	0.047	0.5	41	
E6563201 (9240526)	<1	8.51	6	34	618	<5	<0.1	6.65	0.3	22.5	52.5	0.023	0.3	24	
E6563202 (9240527)	<1	6.13	<5	<20	61.2	<5	<0.1	6.80	<0.2	36.8	42.9	0.038	0.3	109	
E6563203 (9240528)	<1	8.07	<5	26	70.3	<5	<0.1	10.3	<0.2	36.5	31.7	0.049	0.2	23	
E6563204 (9240529)	<1	6.43	<5	47	386	<5	0.4	7.62	<0.2	15.2	94.3	0.020	0.2	208	
E6563205 (9240530)	<1	11.0	7	50	565	<5	0.2	7.42	<0.2	15.9	41.4	0.024	0.3	46	
E6563206 (9240531)	<1	4.67	589	107	169	<5	7.8	4.05	<0.2	68.0	994	0.006	2.8	2990	
E6563207 (9240532)	<1	9.45	<5	<20	34.8	<5	0.6	3.37	0.8	20.3	28.5	0.021	0.3	16	
E6563208 (9240533)	<1	8.95	<5	50	184	<5	0.3	3.85	<0.2	22.1	40.1	0.023	0.3	12	
E6563209 (9240534)	<1	9.77	<5	21	503	<5	0.1	5.74	<0.2	14.4	39.3	0.025	0.3	16	
E6563210 (9240535)	<1	9.23	<5	158	447	<5	0.1	8.59	<0.2	15.5	45.0	0.026	0.2	12	
E6563211 (9240536)	<1	9.39	9	114	411	<5	0.1	8.28	<0.2	12.5	49.5	0.023	1.2	34	
E6563212 (9240537)	<1	0.08	<5	<20	17.0	<5	<0.1	38.4	<0.2	0.9	1.2	<0.005	<0.1	<5	
E6563213 (9240538)	<1	9.47	<5	41	453	<5	<0.1	7.79	<0.2	13.2	48.8	0.022	0.2	41	
E6563214 (9240539)	<1	8.24	7	30	441	<5	0.1	7.68	<0.2	9.8	56.9	0.022	0.5	112	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6563141 (9240480)	4.26	2.17	1.86	7.81	14.8	6.86	2	4	0.80	<0.2	0.96	28.5	40	0.28
E6563142 (9240481)	4.82	2.38	2.66	8.75	15.6	8.57	2	3	0.79	<0.2	0.26	67.5	30	0.29
E6563143 (9240482)	4.13	2.52	1.71	9.46	17.2	4.75	2	2	0.80	<0.2	0.75	30.8	34	0.35
E6563144 (9240483)	3.49	2.30	0.92	8.61	17.3	3.15	2	2	0.75	<0.2	0.97	5.1	18	0.33
E6563145 (9240484)	3.54	2.30	0.89	5.89	18.5	3.19	1	2	0.74	<0.2	0.88	5.0	16	0.33
E6563146 (9240485)	3.29	1.94	0.91	3.27	12.4	4.30	2	5	0.62	0.2	3.37	33.9	<10	0.28
E6563147 (9240486)	4.07	2.64	0.91	12.5	17.4	3.49	2	2	0.88	<0.2	0.84	6.7	24	0.41
E6563148 (9240487)	3.78	2.53	0.75	15.3	16.8	2.95	2	2	0.75	<0.2	0.75	4.7	22	0.39
E6563149 (9240488)	3.97	2.29	1.47	8.74	16.2	4.85	2	2	0.77	<0.2	0.40	20.7	24	0.31
E6563150 (9240489)	4.13	1.98	1.86	7.63	15.6	6.76	2	4	0.70	<0.2	0.13	34.3	34	0.23
E6563151 (9240490)	4.04	2.63	0.93	10.9	16.9	3.39	2	2	0.83	<0.2	0.64	4.6	11	0.41
E6563152 (9240491)	0.22	0.16	0.05	0.10	0.18	0.25	<1	<1	<0.05	<0.2	<0.05	1.3	<10	<0.05
E6563153 (9240492)	3.54	2.27	0.88	14.0	16.2	2.93	2	2	0.72	<0.2	0.92	4.2	30	0.36
E6563154 (9240493)	3.67	2.47	0.90	16.3	20.1	3.14	2	2	0.80	<0.2	0.73	5.8	37	0.35
E6563155 (9240494)	3.78	2.60	0.93	9.61	17.8	3.32	2	2	0.78	<0.2	0.46	6.2	25	0.38
E6563156 (9240495)	3.75	2.46	0.80	9.67	17.1	3.24	2	2	0.82	<0.2	1.02	3.9	21	0.37
E6563157 (9240496)	3.92	2.56	0.82	9.04	18.1	3.30	2	2	0.81	<0.2	0.99	4.1	17	0.36
E6563158 (9240497)	3.84	2.58	0.78	8.87	17.8	3.08	2	2	0.81	<0.2	0.97	3.8	17	0.36
E6563159 (9240498)	3.84	2.67	0.94	8.20	17.2	3.30	2	2	0.82	<0.2	1.00	3.6	24	0.36
E6563160 (9240499)	3.87	2.49	1.19	15.5	18.9	3.48	2	2	0.81	0.2	0.81	7.8	44	0.37
E6563161 (9240500)	3.87	2.41	1.10	12.2	17.5	3.40	2	2	0.83	<0.2	0.71	5.6	43	0.36
E6563162 (9240501)	3.65	2.27	1.05	10.9	15.9	3.42	2	2	0.74	<0.2	0.66	8.8	44	0.33
E6563163 (9240502)	3.47	2.26	1.03	12.2	15.8	3.10	2	1	0.72	<0.2	0.74	6.8	53	0.32
E6563164 (9240503)	3.60	2.23	1.18	12.5	17.5	3.34	1	2	0.76	<0.2	0.53	8.2	35	0.31
E6563165 (9240504)	3.64	2.33	0.91	7.94	17.9	3.16	1	2	0.76	<0.2	0.90	4.3	27	0.34
E6563166 (9240505)	3.34	1.92	0.90	3.34	12.6	4.33	2	4	0.66	0.2	3.37	34.4	<10	0.28
E6563167 (9240506)	3.77	2.34	1.06	6.65	19.0	3.33	1	2	0.78	<0.2	0.77	4.6	26	0.31
E6563168 (9240507)	4.23	2.55	0.96	8.69	18.0	3.58	1	2	0.83	<0.2	0.75	4.3	27	0.38
E6563169 (9240508)	3.94	2.52	0.89	10.3	17.3	3.40	2	2	0.84	<0.2	1.05	4.0	21	0.38
E6563170 (9240509)	4.00	2.50	1.17	9.78	17.9	4.14	2	2	0.81	<0.2	1.22	13.3	24	0.37
E6563171 (9240510)	3.68	1.91	1.71	7.46	15.7	5.94	2	3	0.65	<0.2	1.30	38.3	17	0.27
E6563172 (9240511)	0.24	0.16	0.05	0.11	0.22	0.30	<1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6563187 (9240512)	4.66	3.13	1.31	14.3	17.4	3.99	2	2	0.98	0.2	0.62	8.2	35	0.45
E6563188 (9240513)	4.24	2.89	1.23	13.4	16.7	4.06	2	2	0.97	<0.2	0.56	7.9	32	0.43
E6563189 (9240514)	4.40	2.90	1.09	13.4	17.1	3.74	2	2	0.93	<0.2	0.75	6.3	36	0.42
E6563190 (9240515)	5.08	3.15	1.34	10.5	17.5	4.63	2	2	1.05	0.2	0.39	8.9	26	0.43
E6563191 (9240516)	4.57	2.98	1.21	14.0	17.5	3.97	2	2	0.92	<0.2	0.53	6.7	38	0.41
E6563192 (9240517)	0.23	0.16	<0.05	0.10	0.19	0.21	1	<1	<0.05	<0.2	<0.05	1.2	<10	<0.05
E6563193 (9240518)	4.24	2.74	1.38	12.4	15.9	4.00	1	2	0.90	<0.2	0.29	7.6	34	0.39
E6563194 (9240519)	4.17	2.61	1.41	11.5	15.2	4.00	1	2	0.85	<0.2	0.29	7.2	22	0.35
E6563195 (9240520)	4.09	2.63	1.38	10.3	17.4	3.58	2	2	0.86	<0.2	0.63	7.3	18	0.38
E6563196 (9240521)	4.54	3.05	1.42	9.29	15.8	4.21	1	2	0.94	<0.2	0.62	10.7	19	0.42
E6563197 (9240522)	2.72	1.44	0.91	7.27	16.0	3.89	2	3	0.47	<0.2	0.58	14.0	54	0.20
E6563198 (9240523)	2.61	1.50	0.87	7.23	15.9	3.76	2	3	0.48	<0.2	0.59	13.5	54	0.19
E6563199 (9240524)	3.95	2.06	1.63	7.36	15.9	5.34	1	3	0.74	<0.2	0.56	17.0	31	0.26
E6563200 (9240525)	4.27	2.00	1.80	9.19	16.3	6.38	2	4	0.75	<0.2	0.42	22.8	40	0.25
E6563201 (9240526)	4.88	3.15	1.31	10.6	17.6	4.49	2	2	1.00	<0.2	0.90	9.8	24	0.45
E6563202 (9240527)	3.11	1.71	1.38	10.7	19.3	4.55	2	3	0.58	0.3	0.29	16.2	29	0.25
E6563203 (9240528)	3.93	2.15	1.53	11.2	22.2	5.70	3	4	0.77	0.3	0.29	14.6	19	0.28
E6563204 (9240529)	4.01	2.67	0.84	11.2	16.9	3.46	2	2	0.84	<0.2	0.85	6.6	13	0.41
E6563205 (9240530)	3.94	2.52	1.11	9.46	18.0	3.49	1	2	0.82	<0.2	1.07	6.1	21	0.35
E6563206 (9240531)	3.35	1.93	0.85	3.23	13.0	4.20	2	4	0.64	0.2	3.29	33.8	<10	0.29
E6563207 (9240532)	3.50	2.08	1.54	9.34	18.6	3.61	1	2	0.71	<0.2	0.13	6.7	24	0.28
E6563208 (9240533)	4.63	2.75	1.52	10.5	17.6	4.45	1	2	0.93	<0.2	0.47	7.7	32	0.38
E6563209 (9240534)	3.87	2.46	1.02	9.01	17.0	3.37	1	2	0.80	<0.2	1.00	5.4	19	0.35
E6563210 (9240535)	4.41	2.95	1.10	10.4	18.8	3.98	2	2	0.92	<0.2	1.02	5.6	13	0.43
E6563211 (9240536)	3.78	2.50	0.95	9.53	19.7	3.31	2	2	0.80	<0.2	1.09	4.7	15	0.37
E6563212 (9240537)	0.20	0.16	0.06	0.12	0.20	0.22	<1	<1	0.05	<0.2	<0.05	1.2	<10	<0.05
E6563213 (9240538)	3.94	2.57	0.96	9.00	18.6	3.38	2	2	0.81	<0.2	1.04	5.4	19	0.39
E6563214 (9240539)	3.95	2.52	0.82	8.87	17.4	3.26	2	2	0.83	<0.2	1.42	3.7	16	0.37

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018	DATE RECEIVED: May 10, 2018					DATE REPORTED: Jun 18, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6563141 (9240480)	5.97	1610	3	4	35.5	117	0.23	<5	8.33	53.4	<0.01	0.3	24	21.1	
E6563142 (9240481)	5.40	1430	15	4	54.2	104	0.25	7	14.2	15.3	0.11	0.8	19	18.4	
E6563143 (9240482)	4.14	1770	6	2	22.8	111	0.09	19	5.75	37.5	0.05	0.8	36	18.4	
E6563144 (9240483)	3.21	2010	4	2	8.1	106	0.04	22	1.71	31.6	<0.01	0.8	43	24.6	
E6563145 (9240484)	2.10	1370	3	2	8.5	73	0.03	17	1.72	38.8	<0.01	0.6	38	20.6	
E6563146 (9240485)	2.73	474	14	8	29.8	172	0.08	12	7.97	110	1.65	1.6	7	25.8	
E6563147 (9240486)	3.58	2330	3	2	8.4	177	0.04	69	1.83	32.1	0.16	0.6	46	21.2	
E6563148 (9240487)	3.36	2280	3	2	7.5	175	0.03	32	1.47	24.3	0.63	2.1	37	21.9	
E6563149 (9240488)	4.82	1900	5	3	23.5	182	0.11	86	5.51	13.4	0.02	0.8	34	19.8	
E6563150 (9240489)	6.37	1690	5	6	40.0	244	0.22	380	9.25	3.0	0.01	0.3	17	19.3	
E6563151 (9240490)	3.05	2370	7	2	8.3	104	0.04	131	1.68	17.4	0.17	1.5	45	23.0	
E6563152 (9240491)	2.32	63	<2	<1	0.9	<5	<0.01	<5	0.21	0.4	<0.01	<0.1	<5	2.97	
E6563153 (9240492)	4.01	3080	3	2	7.0	136	0.05	73	1.37	26.1	0.27	0.8	49	23.0	
E6563154 (9240493)	4.58	2810	5	2	7.9	166	0.06	20	1.68	21.5	0.47	0.8	58	29.1	
E6563155 (9240494)	2.76	1650	8	2	8.5	78	0.04	24	1.81	19.0	0.03	0.3	40	20.7	
E6563156 (9240495)	2.87	1890	5	2	7.7	118	0.04	129	1.48	37.6	0.11	0.8	47	23.5	
E6563157 (9240496)	3.01	1820	5	2	7.6	98	0.04	84	1.47	40.6	<0.01	1.0	43	21.6	
E6563158 (9240497)	2.98	1820	5	2	7.9	96	0.04	87	1.48	39.9	<0.01	1.1	43	21.2	
E6563159 (9240498)	3.21	1600	12	2	7.5	111	0.04	61	1.46	51.8	<0.01	0.3	46	22.4	
E6563160 (9240499)	5.01	2290	<2	2	9.8	85	0.03	20	2.01	47.6	0.06	0.4	42	20.0	
E6563161 (9240500)	5.00	2460	6	2	8.3	107	0.04	43	1.68	28.7	0.04	0.5	46	22.4	
E6563162 (9240501)	4.76	2180	<2	2	12.2	121	0.06	44	2.63	29.6	0.02	0.4	37	21.7	
E6563163 (9240502)	4.91	2210	<2	2	8.5	135	0.03	15	1.81	39.6	<0.01	0.3	38	21.1	
E6563164 (9240503)	3.64	2060	<2	2	9.9	153	0.04	<5	2.12	24.8	<0.01	0.2	43	23.7	
E6563165 (9240504)	2.47	1720	<2	2	7.7	192	0.04	24	1.58	37.5	<0.01	0.4	43	23.6	
E6563166 (9240505)	2.65	471	12	8	31.3	164	0.07	12	7.86	111	1.64	1.6	7	26.4	
E6563167 (9240506)	2.20	1600	4	2	8.9	90	0.04	131	1.70	33.7	0.03	0.2	46	25.5	
E6563168 (9240507)	2.62	2020	<2	2	8.7	82	0.04	223	1.70	26.7	<0.01	0.3	46	25.4	
E6563169 (9240508)	2.47	2380	4	2	7.7	92	0.04	31	1.53	41.1	<0.01	0.5	45	23.0	
E6563170 (9240509)	3.17	2310	<2	2	16.3	88	0.08	23	3.68	41.3	<0.01	0.3	43	24.6	
E6563171 (9240510)	4.72	2180	<2	3	39.9	66	0.19	44	9.56	23.9	<0.01	0.5	32	24.6	
E6563172 (9240511)	1.72	71	<2	<1	0.9	<5	<0.01	<5	0.21	0.4	<0.01	<0.1	<5	5.13	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6563187 (9240512)	3.85	2120	<2	2	12.8	116	0.04	6	2.80	24.5	<0.01	0.3	50	20.5
E6563188 (9240513)	3.97	2060	<2	2	12.8	108	0.04	34	2.67	15.9	<0.01	0.3	49	22.5
E6563189 (9240514)	3.43	1890	<2	2	10.7	99	0.03	54	2.24	35.9	<0.01	0.5	45	22.0
E6563190 (9240515)	3.05	1690	<2	2	15.3	76	0.03	48	3.12	16.7	<0.01	0.3	43	19.4
E6563191 (9240516)	3.95	2110	<2	2	11.9	105	0.04	48	2.56	14.8	<0.01	0.2	53	27.9
E6563192 (9240517)	2.01	78	<2	<1	0.9	<5	0.01	<5	0.21	0.4	0.02	<0.1	<5	4.14
E6563193 (9240518)	3.93	2160	<2	2	13.7	107	0.05	34	3.14	6.1	<0.01	0.1	53	28.5
E6563194 (9240519)	3.57	2010	<2	2	14.2	113	0.05	68	3.07	5.8	0.04	0.3	48	27.3
E6563195 (9240520)	2.89	2130	<2	2	13.1	94	0.04	67	2.87	18.2	<0.01	1.5	43	21.3
E6563196 (9240521)	2.66	1800	<2	2	15.5	99	0.04	78	3.51	22.0	<0.01	0.4	40	20.4
E6563197 (9240522)	7.14	1750	<2	3	19.9	328	0.16	43	4.34	22.1	<0.01	0.2	21	22.6
E6563198 (9240523)	7.07	1720	<2	3	19.8	328	0.17	41	4.40	22.1	<0.01	0.1	20	22.7
E6563199 (9240524)	5.92	1910	<2	4	26.9	242	0.17	315	5.97	16.3	0.01	0.3	27	25.1
E6563200 (9240525)	6.68	2060	<2	5	33.9	298	0.20	330	7.55	11.6	0.07	0.6	24	24.7
E6563201 (9240526)	3.04	2320	<2	2	13.9	132	0.04	40	3.05	31.7	0.05	0.8	53	20.8
E6563202 (9240527)	5.49	2280	<2	4	21.2	186	0.18	20	4.84	6.7	<0.01	4.3	28	19.0
E6563203 (9240528)	5.44	2690	4	6	24.5	172	0.22	9	5.22	5.5	<0.01	8.0	28	23.3
E6563204 (9240529)	2.83	2450	3	2	10.0	159	0.05	25	2.07	28.0	0.70	0.9	41	18.0
E6563205 (9240530)	2.74	2040	<2	2	10.7	78	0.05	20	2.28	30.7	<0.01	1.1	51	29.2
E6563206 (9240531)	2.62	460	12	9	30.7	158	0.07	12	7.92	111	1.60	1.5	6	25.5
E6563207 (9240532)	2.92	2240	<2	3	14.2	51	0.03	91	3.07	3.5	0.03	0.7	48	23.7
E6563208 (9240533)	3.64	2660	<2	3	16.4	88	0.05	28	3.40	12.8	<0.01	0.5	54	23.3
E6563209 (9240534)	2.95	2370	<2	2	9.8	83	0.05	37	2.08	29.0	<0.01	0.5	52	27.2
E6563210 (9240535)	3.21	2730	<2	2	10.9	87	0.05	13	2.28	30.2	<0.01	1.5	58	26.0
E6563211 (9240536)	3.15	2490	2	2	8.9	74	0.05	23	1.84	44.1	<0.01	1.4	50	27.0
E6563212 (9240537)	2.61	86	<2	<1	0.9	<5	0.01	<5	0.19	0.3	<0.01	<0.1	<5	4.34
E6563213 (9240538)	3.03	1990	<2	2	9.1	92	0.04	43	1.96	30.1	<0.01	0.7	52	27.5
E6563214 (9240539)	3.24	1970	3	2	7.7	88	0.04	19	1.49	59.5	<0.01	0.4	46	24.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563141 (9240480)	7.7	<1	316	<0.5	0.84	4.4	0.50	<0.5	0.31	1.31	168	1	20.3	1.9
E6563142 (9240481)	10.0	<1	134	<0.5	1.04	4.6	0.45	<0.5	0.30	1.50	132	<1	21.6	1.9
E6563143 (9240482)	4.7	1	128	<0.5	0.72	1.3	0.53	<0.5	0.34	0.56	242	<1	20.7	2.2
E6563144 (9240483)	2.3	<1	335	<0.5	0.53	0.5	0.69	<0.5	0.31	0.13	298	<1	18.8	2.1
E6563145 (9240484)	2.6	<1	254	<0.5	0.53	0.5	0.60	<0.5	0.30	0.14	259	<1	19.1	2.1
E6563146 (9240485)	5.5	<1	27.2	<0.5	0.59	10.2	0.23	0.7	0.30	6.64	56	4	18.4	1.9
E6563147 (9240486)	2.5	<1	204	<0.5	0.60	0.5	0.65	<0.5	0.40	0.23	309	<1	22.1	2.6
E6563148 (9240487)	2.2	<1	242	<0.5	0.51	0.4	0.64	<0.5	0.37	0.18	249	1	20.6	2.5
E6563149 (9240488)	4.9	<1	243	<0.5	0.67	1.4	0.56	<0.5	0.32	0.53	225	<1	20.2	2.1
E6563150 (9240489)	7.9	<1	178	<0.5	0.85	3.2	0.55	<0.5	0.25	1.11	131	1	18.4	1.6
E6563151 (9240490)	2.6	<1	417	<0.5	0.59	0.5	0.66	<0.5	0.37	0.15	295	<1	22.4	2.5
E6563152 (9240491)	0.2	<1	56.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.15	<5	<1	2.2	0.1
E6563153 (9240492)	2.1	<1	314	<0.5	0.50	0.4	0.72	<0.5	0.32	0.14	334	<1	18.8	2.3
E6563154 (9240493)	2.4	<1	261	<0.5	0.56	0.5	0.86	<0.5	0.37	0.27	394	1	21.4	2.4
E6563155 (9240494)	2.4	3	122	<0.5	0.56	0.6	0.60	<0.5	0.37	0.35	266	2	20.5	2.4
E6563156 (9240495)	2.4	<1	303	<0.5	0.56	0.4	0.71	<0.5	0.35	0.19	320	<1	20.3	2.4
E6563157 (9240496)	2.4	2	332	<0.5	0.58	0.7	0.62	<0.5	0.39	0.16	287	<1	22.1	2.4
E6563158 (9240497)	2.3	<1	330	<0.5	0.54	0.4	0.61	<0.5	0.35	0.17	289	<1	21.8	2.5
E6563159 (9240498)	2.5	<1	181	<0.5	0.57	0.3	0.67	<0.5	0.37	0.19	305	<1	21.0	2.4
E6563160 (9240499)	2.8	<1	126	<0.5	0.57	0.3	0.63	<0.5	0.35	0.49	298	<1	20.2	2.3
E6563161 (9240500)	2.5	<1	238	<0.5	0.57	0.3	0.68	<0.5	0.36	0.33	305	<1	20.7	2.4
E6563162 (9240501)	3.2	<1	180	<0.5	0.58	1.1	0.57	<0.5	0.32	0.36	243	<1	18.6	2.2
E6563163 (9240502)	2.5	<1	128	<0.5	0.52	0.5	0.57	<0.5	0.31	0.39	246	<1	17.9	2.1
E6563164 (9240503)	2.8	<1	114	<0.5	0.56	0.4	0.67	<0.5	0.32	0.74	276	<1	18.7	2.2
E6563165 (9240504)	2.4	<1	216	<0.5	0.55	0.4	0.68	<0.5	0.33	0.22	286	1	18.9	2.3
E6563166 (9240505)	5.3	<1	27.6	<0.5	0.59	10.0	0.23	0.7	0.28	6.60	56	4	18.4	1.9
E6563167 (9240506)	2.6	<1	156	<0.5	0.56	0.5	0.74	<0.5	0.33	0.22	302	1	18.7	2.1
E6563168 (9240507)	2.8	1	165	<0.5	0.59	0.4	0.77	<0.5	0.36	0.22	312	1	22.0	2.4
E6563169 (9240508)	2.4	<1	175	<0.5	0.58	0.4	0.68	<0.5	0.38	0.15	295	1	21.6	2.5
E6563170 (9240509)	3.8	<1	247	<0.5	0.66	1.9	0.67	<0.5	0.36	0.51	285	1	21.8	2.4
E6563171 (9240510)	7.3	1	461	<0.5	0.73	6.4	0.41	<0.5	0.26	1.45	202	<1	17.8	1.8
E6563172 (9240511)	0.2	<1	65.8	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.35	<5	<1	2.2	0.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6563187 (9240512)	3.4	<1	107	<0.5	0.66	0.5	0.67	<0.5	0.45	0.49	310	1	26.1	3.0
E6563188 (9240513)	3.4	<1	89.1	<0.5	0.67	0.5	0.71	<0.5	0.40	0.41	318	1	23.5	2.7
E6563189 (9240514)	3.2	<1	117	<0.5	0.66	0.4	0.67	<0.5	0.41	0.29	291	1	24.0	2.7
E6563190 (9240515)	3.9	<1	89.4	<0.5	0.77	0.4	0.54	<0.5	0.42	0.49	246	1	26.8	2.8
E6563191 (9240516)	3.5	<1	122	<0.5	0.69	0.4	0.84	<0.5	0.40	0.49	339	1	24.2	2.8
E6563192 (9240517)	0.2	2	56.4	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.1	0.1
E6563193 (9240518)	3.5	<1	113	<0.5	0.69	0.4	0.88	<0.5	0.38	0.62	353	1	22.1	2.4
E6563194 (9240519)	3.7	<1	97.1	<0.5	0.63	0.4	0.79	<0.5	0.36	0.52	317	1	21.3	2.3
E6563195 (9240520)	3.3	<1	238	<0.5	0.64	0.4	0.65	<0.5	0.40	0.41	280	1	22.3	2.6
E6563196 (9240521)	3.7	<1	162	<0.5	0.72	0.7	0.61	<0.5	0.43	0.34	252	1	23.7	2.8
E6563197 (9240522)	4.3	<1	165	<0.5	0.52	4.2	0.36	<0.5	0.21	1.04	140	<1	13.8	1.3
E6563198 (9240523)	4.3	<1	169	<0.5	0.47	4.0	0.36	<0.5	0.19	1.06	138	<1	14.0	1.3
E6563199 (9240524)	6.2	<1	206	<0.5	0.76	2.6	0.67	<0.5	0.26	0.77	193	<1	18.5	1.8
E6563200 (9240525)	7.4	<1	185	<0.5	0.86	2.9	0.74	<0.5	0.27	0.82	172	<1	19.7	1.8
E6563201 (9240526)	3.7	<1	252	<0.5	0.71	0.6	0.69	<0.5	0.47	0.28	333	2	25.9	2.9
E6563202 (9240527)	4.8	<1	592	<0.5	0.60	2.4	0.59	<0.5	0.22	1.17	168	<1	16.0	1.5
E6563203 (9240528)	6.0	<1	1540	<0.5	0.75	2.4	0.80	<0.5	0.29	1.34	219	<1	20.8	1.8
E6563204 (9240529)	2.7	<1	253	<0.5	0.58	0.6	0.53	0.5	0.39	0.20	272	1	22.4	2.7
E6563205 (9240530)	2.9	<1	335	<0.5	0.61	0.5	0.90	<0.5	0.34	0.27	331	2	21.6	2.2
E6563206 (9240531)	5.4	<1	27.7	<0.5	0.59	10.2	0.23	0.7	0.28	6.54	54	4	18.5	1.9
E6563207 (9240532)	3.6	<1	191	<0.5	0.55	0.6	0.72	<0.5	0.30	1.50	240	5	17.3	2.0
E6563208 (9240533)	4.2	<1	187	<0.5	0.72	0.7	0.79	<0.5	0.38	1.23	290	1	22.7	2.5
E6563209 (9240534)	2.6	<1	214	<0.5	0.58	0.4	0.82	<0.5	0.36	0.31	356	1	20.5	2.4
E6563210 (9240535)	3.2	<1	437	<0.5	0.69	0.5	0.83	<0.5	0.41	0.31	384	1	23.8	2.8
E6563211 (9240536)	2.6	<1	491	<0.5	0.57	0.4	0.77	<0.5	0.36	0.20	359	1	20.4	2.3
E6563212 (9240537)	0.2	<1	64.6	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.08	<5	<1	2.2	0.1
E6563213 (9240538)	2.7	<1	285	<0.5	0.61	0.4	0.76	<0.5	0.36	0.21	337	2	21.8	2.4
E6563214 (9240539)	2.4	<1	237	<0.5	0.59	0.4	0.66	<0.5	0.35	0.11	303	1	21.0	2.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6563141 (9240480)		93	134
E6563142 (9240481)		70	134
E6563143 (9240482)		88	70.9
E6563144 (9240483)		87	58.6
E6563145 (9240484)		66	63.6
E6563146 (9240485)		<5	161
E6563147 (9240486)		124	56.6
E6563148 (9240487)		483	54.4
E6563149 (9240488)		119	87.6
E6563150 (9240489)		139	144
E6563151 (9240490)		205	57.0
E6563152 (9240491)		<5	2.0
E6563153 (9240492)		170	54.5
E6563154 (9240493)		179	59.7
E6563155 (9240494)		105	65.2
E6563156 (9240495)		138	60.0
E6563157 (9240496)		121	58.3
E6563158 (9240497)		119	58.3
E6563159 (9240498)		140	60.6
E6563160 (9240499)		138	54.2
E6563161 (9240500)		178	56.4
E6563162 (9240501)		155	64.5
E6563163 (9240502)		147	49.2
E6563164 (9240503)		130	54.7
E6563165 (9240504)		117	59.4
E6563166 (9240505)		<5	159
E6563167 (9240506)		256	65.8
E6563168 (9240507)		432	63.8
E6563169 (9240508)		269	58.3
E6563170 (9240509)		144	73.2
E6563171 (9240510)		116	104
E6563172 (9240511)		<5	2.1

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

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 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6563187 (9240512)		144	59.3
E6563188 (9240513)		137	59.0
E6563189 (9240514)		130	59.1
E6563190 (9240515)		117	54.3
E6563191 (9240516)		172	60.0
E6563192 (9240517)		<5	1.9
E6563193 (9240518)		155	60.8
E6563194 (9240519)		131	60.7
E6563195 (9240520)		113	58.5
E6563196 (9240521)		164	58.9
E6563197 (9240522)		120	96.2
E6563198 (9240523)		119	92.8
E6563199 (9240524)		303	117
E6563200 (9240525)		1320	131
E6563201 (9240526)		172	65.1
E6563202 (9240527)		130	127
E6563203 (9240528)		90	141
E6563204 (9240529)		81	59.5
E6563205 (9240530)		111	69.7
E6563206 (9240531)		<5	164
E6563207 (9240532)		314	61.8
E6563208 (9240533)		148	66.7
E6563209 (9240534)		148	64.8
E6563210 (9240535)		92	69.5
E6563211 (9240536)		87	62.1
E6563212 (9240537)		<5	1.9
E6563213 (9240538)		95	62.2
E6563214 (9240539)		88	58.5

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B338693

PROJECT: DDH-135C

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: May 13, 2018

DATE RECEIVED: May 10, 2018

DATE REPORTED: Jun 18, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6563141 (9240480)		91
E6563150 (9240489)		92
E6563160 (9240499)		91
E6563170 (9240509)		85
E6563194 (9240519)		88
E6563197 (9240522)		93
E6563199 (9240524)		87
E6563204 (9240529)		81
E6563205 (9240530)		82
E6563214 (9240539)		80

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9240480	< 1	< 1	0.0%	9240491	< 1	< 1	0.0%	9240503	< 1	< 1	0.0%	9240506	< 1	< 1	0.0%
Al	9240480	6.00	5.34	11.6%	9240491	0.064	0.076	17.1%	9240503	9.06	8.92	1.6%	9240506	9.61	10.5	8.9%
As	9240480	7	10	35.3%	9240491	< 5	< 5	0.0%	9240503	< 5	< 5	0.0%	9240506	10	9	10.5%
B	9240480	< 20	< 20	0.0%	9240491	< 20	< 20	0.0%	9240503	< 20	< 20	0.0%	9240506	22	24	8.7%
Ba	9240480	351	311	12.1%	9240491	14.8	17.2	15.0%	9240503	106	103	2.9%	9240506	189	199	5.2%
Be	9240480	< 5	< 5	0.0%	9240491	< 5	< 5	0.0%	9240503	< 5	< 5	0.0%	9240506	< 5	< 5	0.0%
Bi	9240480	< 0.1	0.1		9240491	< 0.1	< 0.1	0.0%	9240503	< 0.1	< 0.1	0.0%	9240506	0.3	0.2	
Ca	9240480	5.70	5.02	12.7%	9240491	32.6	37.9	15.0%	9240503	5.27	5.19	1.5%	9240506	3.81	4.14	8.3%
Cd	9240480	< 0.2	< 0.2	0.0%	9240491	< 0.2	< 0.2	0.0%	9240503	< 0.2	< 0.2	0.0%	9240506	0.7	0.7	0.0%
Ce	9240480	63.2	65.6	3.7%	9240491	0.9	0.9	0.0%	9240503	16.2	15.5	4.4%	9240506	11.6	11.2	3.5%
Co	9240480	40.6	41.5	2.2%	9240491	1.03	1.07	3.8%	9240503	49.7	49.0	1.4%	9240506	41.6	40.9	1.7%
Cr	9240480	0.051	0.045	12.5%	9240491	< 0.005	< 0.005	0.0%	9240503	0.0206	0.0201	2.5%	9240506	0.024	0.025	4.1%
Cs	9240480	3.1	3.1	0.0%	9240491	< 0.1	< 0.1	0.0%	9240503	1.4	1.4	0.0%	9240506	1.2	1.2	0.0%
Cu	9240480	29	29	0.0%	9240491	5	5	0.0%	9240503	25	24	4.1%	9240506	28	40	35.3%
Dy	9240480	4.26	4.39	3.0%	9240491	0.22	0.23	4.4%	9240503	3.60	3.66	1.7%	9240506	3.77	3.50	7.4%
Er	9240480	2.17	2.15	0.9%	9240491	0.16	0.16	0.0%	9240503	2.23	2.26	1.3%	9240506	2.34	2.22	5.3%
Eu	9240480	1.86	1.91	2.7%	9240491	0.051	0.059	14.5%	9240503	1.18	1.20	1.7%	9240506	1.06	1.06	0.0%
Fe	9240480	7.81	6.91	12.2%	9240491	0.10	0.11	9.5%	9240503	12.5	12.3	1.6%	9240506	6.65	7.19	7.8%
Ga	9240480	14.8	15.0	1.3%	9240491	0.18	0.18	0.0%	9240503	17.5	17.1	2.3%	9240506	19.0	19.0	0.0%
Gd	9240480	6.86	6.87	0.1%	9240491	0.25	0.21	17.4%	9240503	3.34	3.29	1.5%	9240506	3.33	3.22	3.4%
Ge	9240480	2	2	0.0%	9240491	< 1	< 1	0.0%	9240503	1	1	0.0%	9240506	1	1	0.0%
Hf	9240480	4	4	0.0%	9240491	< 1	< 1	0.0%	9240503	2	2	0.0%	9240506	2	2	0.0%
Ho	9240480	0.80	0.77	3.8%	9240491	0.05	0.06	18.2%	9240503	0.76	0.75	1.3%	9240506	0.78	0.74	5.3%
In	9240480	< 0.2	< 0.2	0.0%	9240491	< 0.2	< 0.2	0.0%	9240503	< 0.2	< 0.2	0.0%	9240506	< 0.2	< 0.2	0.0%
K	9240480	0.96	0.85	12.2%	9240491	< 0.05	< 0.05	0.0%	9240503	0.53	0.53	0.0%	9240506	0.774	0.855	9.9%
La	9240480	28.5	29.2	2.4%	9240491	1.28	1.24	3.2%	9240503	8.2	7.4	10.3%	9240506	4.58	4.35	5.2%
Li	9240480	40	36	10.5%	9240491	< 10	< 10	0.0%	9240503	35	35	0.0%	9240506	26	30	14.3%
Lu	9240480	0.28	0.28	0.0%	9240491	< 0.05	< 0.05	0.0%	9240503	0.31	0.33	6.3%	9240506	0.311	0.321	3.2%
Mg	9240480	5.97	5.20	13.8%	9240491	2.32	2.29	1.3%	9240503	3.64	3.63	0.3%	9240506	2.20	2.32	5.3%
Mn	9240480	1610	1420	12.5%	9240491	63	67	6.2%	9240503	2060	2030	1.5%	9240506	1600	1700	6.1%
Mo	9240480	3	3	0.0%	9240491	< 2	< 2	0.0%	9240503	< 2	< 2	0.0%	9240506	4	4	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Nb	9240480	4	4	0.0%	9240491	< 1	< 1	0.0%	9240503	2	2	0.0%	9240506	2	2	0.0%
Nd	9240480	35.5	36.1	1.7%	9240491	0.9	0.9	0.0%	9240503	9.88	9.50	3.9%	9240506	8.88	8.11	9.1%
Ni	9240480	117	103	12.7%	9240491	< 5	< 5	0.0%	9240503	153	150	2.0%	9240506	90	117	26.1%
P	9240480	0.23	0.22	4.4%	9240491	< 0.01	0.01		9240503	0.04	0.04	0.0%	9240506	0.043	0.047	8.9%
Pb	9240480	< 5	5		9240491	< 5	< 5	0.0%	9240503	< 5	< 5	0.0%	9240506	131	129	1.5%
Pr	9240480	8.33	8.49	1.9%	9240491	0.21	0.21	0.0%	9240503	2.12	2.07	2.4%	9240506	1.70	1.68	1.2%
Rb	9240480	53.4	53.4	0.0%	9240491	0.4	0.4	0.0%	9240503	24.8	24.3	2.0%	9240506	33.7	33.3	1.2%
S	9240480	< 0.01	< 0.01	0.0%	9240491	< 0.01	< 0.01	0.0%	9240503	< 0.01	< 0.01	0.0%	9240506	0.03	0.05	50.0%
Sb	9240480	0.3	0.3	0.0%	9240491	< 0.1	< 0.1	0.0%	9240503	0.2	0.2	0.0%	9240506	0.2	0.2	0.0%
Sc	9240480	24	21	13.3%	9240491	< 5	< 5	0.0%	9240503	43	43	0.0%	9240506	46	49	6.3%
Si	9240480	21.1	18.8	11.5%	9240491	2.97	3.46	15.2%	9240503	23.7	23.3	1.7%	9240506	25.5	27.5	7.5%
Sm	9240480	7.7	7.8	1.3%	9240491	0.2	0.2	0.0%	9240503	2.81	2.86	1.8%	9240506	2.6	2.6	0.0%
Sn	9240480	< 1	< 1	0.0%	9240491	< 1	< 1	0.0%	9240503	< 1	< 1	0.0%	9240506	< 1	< 1	0.0%
Sr	9240480	316	285	10.3%	9240491	56.2	63.3	11.9%	9240503	114	112	1.8%	9240506	156	171	9.2%
Ta	9240480	< 0.5	< 0.5	0.0%	9240491	< 0.5	< 0.5	0.0%	9240503	< 0.5	< 0.5	0.0%	9240506	< 0.5	< 0.5	0.0%
Tb	9240480	0.840	0.859	2.2%	9240491	< 0.05	< 0.05	0.0%	9240503	0.56	0.55	1.8%	9240506	0.563	0.553	1.8%
Th	9240480	4.36	4.34	0.5%	9240491	< 0.1	< 0.1	0.0%	9240503	0.4	0.4	0.0%	9240506	0.52	0.44	16.7%
Ti	9240480	0.497	0.441	11.9%	9240491	< 0.01	< 0.01	0.0%	9240503	0.67	0.67	0.0%	9240506	0.74	0.80	7.8%
Tl	9240480	< 0.5	< 0.5	0.0%	9240491	< 0.5	< 0.5	0.0%	9240503	< 0.5	< 0.5	0.0%	9240506	< 0.5	< 0.5	0.0%
Tm	9240480	0.31	0.30	3.3%	9240491	< 0.05	< 0.05	0.0%	9240503	0.319	0.295	7.8%	9240506	0.33	0.32	3.1%
U	9240480	1.31	1.33	1.5%	9240491	0.15	0.13	14.3%	9240503	0.744	0.705	5.4%	9240506	0.22	0.21	4.7%
V	9240480	168	149	12.0%	9240491	< 5	< 5	0.0%	9240503	276	275	0.4%	9240506	302	319	5.5%
W	9240480	1	1	0.0%	9240491	< 1	< 1	0.0%	9240503	< 1	< 1	0.0%	9240506	1	2	
Y	9240480	20.3	20.4	0.5%	9240491	2.2	2.2	0.0%	9240503	18.7	18.8	0.5%	9240506	18.7	19.0	1.6%
Yb	9240480	1.92	1.98	3.1%	9240491	0.1	0.1	0.0%	9240503	2.2	2.2	0.0%	9240506	2.13	2.16	1.4%
Zn	9240480	93	82	12.6%	9240491	< 5	< 5	0.0%	9240503	130	129	0.8%	9240506	256	279	8.6%
Zr	9240480	134	135	0.7%	9240491	2.04	1.65	21.1%	9240503	54.7	54.8	0.2%	9240506	65.8	65.2	0.9%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9240515	< 1	< 1	0.0%	9240527	< 1	< 1	0.0%	9240530	< 1	< 1	0.0%	9240539	< 1	< 1	0.0%
Al	9240515	7.15	8.03	11.6%	9240527	6.13	5.94	3.1%	9240530	11.0	9.60	13.6%	9240539	8.24	8.32	1.0%
As	9240515	< 5	< 5	0.0%	9240527	< 5	< 5	0.0%	9240530	7	10		9240539	7	7	0.0%
B	9240515	< 20	< 20	0.0%	9240527	< 20	< 20	0.0%	9240530	50	45	10.5%	9240539	30	32	6.5%
Ba	9240515	120	128	6.5%	9240527	61.2	65.9	7.4%	9240530	565	591	4.5%	9240539	441	449	1.8%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Be	9240515	< 5	< 5	0.0%	9240527	< 5	< 5	0.0%	9240530	< 5	< 5	0.0%	9240539	< 5	< 5	0.0%
Bi	9240515	0.3	0.3	0.0%	9240527	< 0.1	< 0.1	0.0%	9240530	0.2	0.2	0.0%	9240539	0.1	0.1	0.0%
Ca	9240515	4.33	4.87	11.7%	9240527	6.80	6.63	2.5%	9240530	7.42	6.32	16.0%	9240539	7.68	7.64	0.5%
Cd	9240515	< 0.2	< 0.2	0.0%	9240527	< 0.2	< 0.2	0.0%	9240530	< 0.2	< 0.2	0.0%	9240539	< 0.2	< 0.2	0.0%
Ce	9240515	22.0	21.2	3.7%	9240527	36.8	36.5	0.8%	9240530	15.9	15.5	2.5%	9240539	9.8	9.7	1.0%
Co	9240515	45.8	44.8	2.2%	9240527	42.9	44.3	3.2%	9240530	41.4	44.4	7.0%	9240539	56.9	56.4	0.9%
Cr	9240515	0.016	0.017	6.1%	9240527	0.0382	0.0410	7.1%	9240530	0.0244	0.0259	6.0%	9240539	0.0216	0.0210	2.8%
Cs	9240515	0.87	0.83	4.7%	9240527	0.3	0.3	0.0%	9240530	0.3	0.3	0.0%	9240539	0.5	0.5	0.0%
Cu	9240515	19	21	10.0%	9240527	109	119	8.8%	9240530	46	54	16.0%	9240539	112	115	2.6%
Dy	9240515	5.08	4.94	2.8%	9240527	3.11	3.16	1.6%	9240530	3.94	3.99	1.3%	9240539	3.95	3.82	3.3%
Er	9240515	3.15	3.04	3.6%	9240527	1.71	1.68	1.8%	9240530	2.52	2.60	3.1%	9240539	2.52	2.50	0.8%
Eu	9240515	1.34	1.30	3.0%	9240527	1.38	1.48	7.0%	9240530	1.11	1.10	0.9%	9240539	0.82	0.88	7.1%
Fe	9240515	10.5	11.7	10.8%	9240527	10.7	10.4	2.8%	9240530	9.46	8.25	13.7%	9240539	8.87	8.98	1.2%
Ga	9240515	17.5	17.3	1.1%	9240527	19.3	19.8	2.6%	9240530	18.0	18.1	0.6%	9240539	17.4	17.1	1.7%
Gd	9240515	4.63	4.62	0.2%	9240527	4.55	4.40	3.4%	9240530	3.49	3.51	0.6%	9240539	3.26	3.35	2.7%
Ge	9240515	2	2	0.0%	9240527	2	2	0.0%	9240530	1	1	0.0%	9240539	2	2	0.0%
Hf	9240515	2	2	0.0%	9240527	3	4	28.6%	9240530	2	2	0.0%	9240539	2	2	0.0%
Ho	9240515	1.05	1.01	3.9%	9240527	0.58	0.57	1.7%	9240530	0.818	0.815	0.4%	9240539	0.83	0.81	2.4%
In	9240515	0.2	0.2	0.0%	9240527	0.3	0.3	0.0%	9240530	< 0.2	< 0.2	0.0%	9240539	< 0.2	< 0.2	0.0%
K	9240515	0.39	0.44	12.0%	9240527	0.287	0.281	2.1%	9240530	1.07	0.96	10.8%	9240539	1.42	1.42	0.0%
La	9240515	8.93	8.34	6.8%	9240527	16.2	16.4	1.2%	9240530	6.10	6.02	1.3%	9240539	3.72	3.76	1.1%
Li	9240515	26	28	7.4%	9240527	29	28	3.5%	9240530	21	17	21.1%	9240539	16	16	0.0%
Lu	9240515	0.43	0.43	0.0%	9240527	0.25	0.25	0.0%	9240530	0.354	0.344	2.9%	9240539	0.37	0.37	0.0%
Mg	9240515	3.05	3.46	12.6%	9240527	5.49	5.53	0.7%	9240530	2.74	2.53	8.0%	9240539	3.24	3.34	3.0%
Mn	9240515	1690	1810	6.9%	9240527	2280	2420	6.0%	9240530	2040	2070	1.5%	9240539	1970	2020	2.5%
Mo	9240515	< 2	< 2	0.0%	9240527	< 2	< 2	0.0%	9240530	2	2	0.0%	9240539	3	2	
Nb	9240515	2	2	0.0%	9240527	4	5	22.2%	9240530	2	2	0.0%	9240539	2	2	0.0%
Nd	9240515	15.3	14.3	6.8%	9240527	21.2	21.7	2.3%	9240530	10.7	10.2	4.8%	9240539	7.7	7.5	2.6%
Ni	9240515	76	99	26.3%	9240527	186	200	7.3%	9240530	78	85	8.6%	9240539	88	90	2.2%
P	9240515	0.03	0.03	0.0%	9240527	0.182	0.201	9.9%	9240530	0.05	0.05	0.0%	9240539	0.04	0.04	0.0%
Pb	9240515	48	49	2.1%	9240527	20	20	0.0%	9240530	20	20	0.0%	9240539	19	18	5.4%
Pr	9240515	3.12	3.00	3.9%	9240527	4.84	4.87	0.6%	9240530	2.28	2.22	2.7%	9240539	1.49	1.45	2.7%
Rb	9240515	16.7	16.4	1.8%	9240527	6.7	7.1	5.8%	9240530	30.7	31.4	2.3%	9240539	59.5	58.1	2.4%
S	9240515	< 0.01	< 0.01	0.0%	9240527	< 0.01	0.02		9240530	< 0.01	0.01		9240539	< 0.01	0.01	



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sb	9240515	0.32	0.25	24.6%	9240527	4.3	4.3	0.0%	9240530	1.06	0.88	18.6%	9240539	0.4	0.4	0.0%
Sc	9240515	43	46	6.7%	9240527	28	30	6.9%	9240530	51	53	3.8%	9240539	46	47	2.2%
Si	9240515	19.4	22.0	12.6%	9240527	19.0	18.4	3.2%	9240530	29.2	25.2	14.7%	9240539	24.3	24.6	1.2%
Sm	9240515	3.94	3.98	1.0%	9240527	4.8	4.9	2.1%	9240530	2.9	3.0	3.4%	9240539	2.45	2.49	1.6%
Sn	9240515	< 1	1		9240527	< 1	< 1	0.0%	9240530	< 1	< 1	0.0%	9240539	< 1	< 1	0.0%
Sr	9240515	89.4	94.7	5.8%	9240527	592	652	9.6%	9240530	335	311	7.4%	9240539	237	242	2.1%
Ta	9240515	< 0.5	< 0.5	0.0%	9240527	< 0.5	< 0.5	0.0%	9240530	< 0.5	< 0.5	0.0%	9240539	< 0.5	< 0.5	0.0%
Tb	9240515	0.77	0.77	0.0%	9240527	0.60	0.59	1.7%	9240530	0.61	0.60	1.7%	9240539	0.590	0.573	2.9%
Th	9240515	0.4	0.4	0.0%	9240527	2.4	2.4	0.0%	9240530	0.47	0.44	6.6%	9240539	0.4	0.4	0.0%
Ti	9240515	0.544	0.618	12.7%	9240527	0.588	0.569	3.3%	9240530	0.90	0.79	13.0%	9240539	0.660	0.669	1.4%
Tl	9240515	< 0.5	< 0.5	0.0%	9240527	< 0.5	< 0.5	0.0%	9240530	< 0.5	< 0.5	0.0%	9240539	< 0.5	< 0.5	0.0%
Tm	9240515	0.42	0.42	0.0%	9240527	0.22	0.23	4.4%	9240530	0.34	0.37	8.5%	9240539	0.354	0.371	4.7%
U	9240515	0.492	0.483	1.8%	9240527	1.17	1.18	0.9%	9240530	0.266	0.239	10.7%	9240539	0.11	0.11	0.0%
V	9240515	246	264	7.1%	9240527	168	181	7.4%	9240530	331	339	2.4%	9240539	303	311	2.6%
W	9240515	1	1	0.0%	9240527	< 1	< 1	0.0%	9240530	2	2	0.0%	9240539	1	1	0.0%
Y	9240515	26.8	27.2	1.5%	9240527	16.0	16.6	3.7%	9240530	21.6	21.5	0.5%	9240539	21.0	21.0	0.0%
Yb	9240515	2.8	2.8	0.0%	9240527	1.5	1.5	0.0%	9240530	2.24	2.40	6.9%	9240539	2.4	2.4	0.0%
Zn	9240515	117	132	12.0%	9240527	130	122	6.3%	9240530	111	99	11.4%	9240539	88	92	4.4%
Zr	9240515	54.3	53.2	2.0%	9240527	127	132	3.9%	9240530	69.7	66.8	4.2%	9240539	58.5	58.6	0.2%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SU-1b)				CRM #2 (ref.SY-4)				CRM #3 (ref.SU-1b)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al					10.95	10.43	95%	90% - 110%	4.30	4.19	97%	90% - 110%	10.95	11.1	101%	90% - 110%
As	2.49	2.91	117%	90% - 110%												
Ba					340	321	94%	90% - 110%					340	316	93%	90% - 110%
Be					2.6	2.7	105%	90% - 110%					2.6	2.8	109%	90% - 110%
Ca					5.72	5.54	97%	90% - 110%	2.21	2.22	101%	90% - 110%	5.72	5.56	97%	90% - 110%
Ce					122	128	105%	90% - 110%					122	123	100%	90% - 110%
Co					2.8	2.5	91%	90% - 110%	672	706	105%	90% - 110%	2.8	2.6	93%	90% - 110%
Cr	0.032	0.034	107%	90% - 110%					0.032	0.0326	102%	90% - 110%				
Cs					1.5	1.5	98%	90% - 110%					1.5	1.6	109%	90% - 110%
Cu	11850	11726	99%	90% - 110%					11850	11500	97%	90% - 110%				
Dy					18.2	20	110%	90% - 110%					18.2	19.2	106%	90% - 110%
Er					14.2	15.3	108%	90% - 110%					14.2	14.8	104%	90% - 110%
Eu					2.0	2.01	101%	90% - 110%					2.0	2.02	101%	90% - 110%
Fe					4.34	4.28	99%	90% - 110%	25.54	24.5	96%	90% - 110%	4.34	4.41	102%	90% - 110%
Ga					35	35	99%	90% - 110%					35	36	102%	90% - 110%
Gd					14	15	109%	90% - 110%					14	15	108%	90% - 110%
Hf					10.6	11.1	105%	90% - 110%					10.6	10.6	100%	90% - 110%
Ho					4.3	4.5	104%	90% - 110%					4.3	4.3	101%	90% - 110%
K					1.37	1.31	96%	90% - 110%					1.37	1.38	101%	90% - 110%
La					58	60	103%	90% - 110%					58	58	100%	90% - 110%
Li					37	36	97%	90% - 110%					37	36	98%	90% - 110%
Lu					2.1	2.1	102%	90% - 110%					2.1	2.1	101%	90% - 110%
Mg					0.325	0.33	102%	90% - 110%	1.79	1.74	97%	90% - 110%	0.325	0.305	94%	90% - 110%
Mn					836	783	94%	90% - 110%	703	701	100%	90% - 110%	836	808	97%	90% - 110%
Nb					13	13	98%	90% - 110%					13	13	100%	90% - 110%
Nd					57	61	108%	90% - 110%					57	59	103%	90% - 110%
Ni					9	8	89%	90% - 110%	19530	17628	90%	90% - 110%				
Pb					10	10	99%	90% - 110%	58	60	103%	90% - 110%	10	10	95%	90% - 110%
Pr					15.0	15.4	102%	90% - 110%					15.0	14.9	99%	90% - 110%
Rb					55	54	97%	90% - 110%					55	54	98%	90% - 110%
S	14.14	13.52	96%	90% - 110%					14.14	13.56	96%	90% - 110%				



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Si					23.3	21.2	91%	90% - 110%	15.23	14.42	95%	90% - 110%	23.3	22.5	96%	90% - 110%
Sm					12.7	13.5	106%	90% - 110%					12.7	13.2	104%	90% - 110%
Sn					7.1	6.5	92%	90% - 110%					7.1	6.6	92%	90% - 110%
Sr					1191	1207	101%	90% - 110%					1191	1180	99%	90% - 110%
Ta					0.9	0.7	82%	90% - 110%								
Tb					2.6	2.9	110%	90% - 110%					2.6	2.7	105%	90% - 110%
Th					1.4	1.4	100%	90% - 110%					1.4	1.3	92%	90% - 110%
Ti					0.172	0.169	98%	90% - 110%					0.172	0.178	103%	90% - 110%
Tm					2.3	2.3	100%	90% - 110%					2.3	2.3	99%	90% - 110%
U					0.8	0.8	96%	90% - 110%					0.8	0.9	109%	90% - 110%
Y					119	117	98%	90% - 110%					119	117	99%	90% - 110%
Yb					14.8	15.4	104%	90% - 110%					14.8	15.2	103%	90% - 110%
Zn					93	91	98%	90% - 110%	235	245	104%	90% - 110%	93	90.5	97%	90% - 110%
Zr					517	566	110%	90% - 110%					517	567	110%	90% - 110%
CRM #5 (ref.SU-1b)																
Parameter	Expect	Actual	Recovery	Limits												
Ag	6.39	5.21	82%	90% - 110%												
Al	4.30	4.5	105%	90% - 110%												
Ca	2.21	2.37	107%	90% - 110%												
Co	672	701	104%	90% - 110%												
Cr	0.032	0.0345	108%	90% - 110%												
Cu	11850	12197	103%	90% - 110%												
Fe	25.54	25.7	101%	90% - 110%												
Mg	1.79	1.81	101%	90% - 110%												
Mn	703	756	108%	90% - 110%												
Ni	19530	18397	94%	90% - 110%												
Pb	58	67	116%	90% - 110%												
S	14.14	14.06	99%	90% - 110%												
Si	15.23	15.44	101%	90% - 110%												
Zn	235	249	106%	90% - 110%												



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-135C
 SAMPLING SITE:

AGAT WORK ORDER: 18B338693
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-135C
SAMPLING SITE:

AGAT WORK ORDER: 18B338693
ATTENTION TO: FRANK SANTAGUIDA JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
 www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Page: 1
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 Plus Appendix Pages
 Finalized Date: 11-OCT-2018
 This copy reported on 6-APR-2020
 Account: FCCLMSXQ

SD18245286

Project: DDH-217

This report is for 58 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 1-OCT-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON

JASON RICKARD

FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
 www.alsglobal.com/geochemistry

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 Total # Pages: 3 (A)
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Project: DDH-217

CERTIFICATE OF ANALYSIS SD18245286

Sample Description	Method	WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	Ag-AA45	ME-ICP81	CRU-QC	PUL-QC
	Analyte	Recvd Wt.	Co	Cu	Ni	Pb	Zn	Ag	As	Pass2mm	Pass75um
Units		kg	%	%	%	%	%	ppm	%	%	%
LOD		0.02	0.002	0.002	0.002	0.01	0.002	0.2	0.01	0.01	0.01
E5722681		2.38	0.006	0.015	0.013	0.02	0.058	0.5	<0.01	74.5	89.3
E5722682		1.90	0.002	0.013	0.006	0.05	0.094	1.4	<0.01		91.6
E5722683		2.38	0.005	0.004	0.002	<0.01	0.018	0.3	<0.01		
E5722684		1.45	0.008	0.022	0.011	0.01	0.014	0.6	<0.01		
E5722685		1.13	0.004	0.009	0.009	0.02	0.017	0.3	<0.01		
E5722686		0.02	0.102	0.295	0.015	<0.01	<0.002	0.2	0.05		
E5722687		1.29	0.005	0.002	0.031	0.01	0.018	0.2	<0.01		
E5722688		1.44	0.007	0.013	0.031	0.01	0.020	0.3	<0.01		
E5722689		1.35	0.008	0.009	0.031	<0.01	0.018	<0.2	<0.01		
E5722690		2.34	0.003	<0.002	0.039	<0.01	0.019	<0.2	<0.01		
E5722691		1.04	0.048	0.019	0.044	<0.01	0.015	0.8	0.01		
E5722692		1.85	<0.002	<0.002	<0.002	<0.01	0.002	<0.2	<0.01		
E5722693		1.44	0.005	0.027	0.029	<0.01	0.020	0.4	<0.01		
E5722694		1.43	0.005	0.045	0.017	<0.01	0.023	0.6	0.03		
E5722695		1.97	0.007	0.046	0.011	<0.01	0.018	0.4	0.01		
E5722696		2.16	0.007	0.020	0.010	<0.01	0.017	0.2	<0.01		
E5722697		2.27	0.005	0.009	0.010	<0.01	0.012	<0.2	<0.01		
E5722698		<0.02	0.005	0.009	0.009	<0.01	0.012	<0.2	<0.01		
E5722699		2.26	0.007	0.016	0.008	<0.01	0.013	0.2	<0.01		
E5722700		2.14	0.006	0.013	0.007	<0.01	0.018	0.5	<0.01		
E5722701		1.10	0.005	0.385	0.006	0.02	0.014	4.7	<0.01		
E5722702		0.82	0.002	0.049	<0.002	<0.01	0.012	0.9	<0.01		
E5722703		1.95	0.003	0.023	0.006	<0.01	0.009	<0.2	<0.01		
E5722704		1.57	0.004	0.054	0.009	<0.01	0.011	1.3	<0.01		
E5722705		2.05	0.005	0.017	0.009	<0.01	0.012	0.3	0.01		
E5722706		0.02	0.102	0.308	0.018	<0.01	<0.002	<0.2	0.06		
E5722707		2.09	0.008	0.037	0.010	<0.01	0.018	0.5	0.01		
E5722708		2.39	0.006	0.012	0.008	<0.01	0.016	0.3	<0.01		
E5722709		2.37	0.006	0.003	0.006	<0.01	0.016	<0.2	<0.01		
E5722710		2.29	0.010	0.481	0.010	0.02	0.037	9.0	<0.01		
E5722711		2.46	0.007	0.032	0.010	<0.01	0.019	0.2	<0.01		
E5722712		1.32	<0.002	0.002	<0.002	<0.01	<0.002	0.2	<0.01		
E5722713		2.12	0.005	0.012	0.007	<0.01	0.017	<0.2	<0.01		
E5722714		2.26	0.009	0.036	0.008	0.03	0.032	0.9	0.01		
E5722715		2.28	0.007	0.020	0.010	0.01	0.026	0.9	0.01		
E5722716		2.36	0.011	0.013	0.012	0.01	0.018	0.4	0.01	74.7	
E5722717		2.19	0.007	0.011	0.010	<0.01	0.026	0.3	0.01		
E5722718		<0.02	0.005	0.010	0.013	<0.01	0.027	0.4	0.01		
E5722719		1.76	0.009	0.020	0.029	0.05	0.082	1.1	0.01		
E5722720		2.15	0.003	0.004	0.012	<0.01	0.017	0.2	<0.01	80.4	87.8



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To: **FIRST COBALT CORP.**
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 Account: FCCLMSXQ

Project: DDH-217

CERTIFICATE OF ANALYSIS SD18245286

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP81 Co %	ME-ICP81 Cu %	ME-ICP81 Ni %	ME-ICP81 Pb %	ME-ICP81 Zn %	Ag-AA45 Ag ppm	ME-ICP81 As %	CRU-QC Pass2mm %	PUL-QC Pass75um %
E5722721		2.36	0.009	0.025	0.013	<0.01	0.014	0.2	<0.01		
E5722722		2.25	0.007	0.024	0.017	<0.01	0.013	0.4	0.01		
E5722723		2.18	0.005	0.024	0.015	<0.01	0.014	0.6	0.02		
E5722724		1.36	0.007	0.383	0.010	<0.01	0.011	0.4	0.01		
E5722725		1.05	0.005	0.088	0.010	<0.01	0.014	0.3	0.01		
E5722726		0.02	0.096	0.296	0.012	<0.01	<0.002	<0.2	0.05		
E5722727		1.06	0.030	0.032	0.016	<0.01	0.009	0.2	0.02		
E5722728		0.73	0.005	0.026	0.013	<0.01	0.008	<0.2	<0.01		
E5722729		2.15	0.006	0.014	0.014	<0.01	0.010	<0.2	<0.01		
E5722730		2.05	0.005	0.005	0.011	<0.01	0.014	<0.2	<0.01		
E5722731		2.22	0.005	0.006	0.011	<0.01	0.036	<0.2	<0.01		
E5722732		1.69	<0.002	<0.002	0.002	<0.01	<0.002	<0.2	<0.01		
E5722733		2.14	0.007	0.016	0.012	<0.01	0.013	0.4	<0.01		
E5722734		0.90	0.006	0.009	0.012	<0.01	0.012	0.2	<0.01		
E5722735		1.05	0.007	0.072	0.014	0.35	0.700	1.4	0.01		
E5722736		2.03	0.008	0.127	0.018	0.82	2.20	6.6	<0.01		
E5722737		2.21	0.006	0.013	0.016	0.01	0.024	0.3	<0.01		
E5722738		<0.02	0.006	0.012	0.012	0.01	0.024	0.3	<0.01		



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To: **FIRST COBALT CORP.**
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Account: **FCCLMSXQ**

Project: DDH-217

CERTIFICATE OF ANALYSIS SD18245286

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.			
	CRU-31	CRU-QC	LOG-21	LOG-21d
	LOG-23	PUL-31	PUL-31d	PUL-QC
	SPL-21	SPL-21d	WEI-21	
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-AA45	ME-ICP81		



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SD18245286

Project: DDH-217

This report is for 58 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 1-OCT-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON

JASON RICKARD

FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver



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QC CERTIFICATE OF ANALYSIS SD18245286

Sample Description	Method Analyte Units LOD	ME-ICP81 Co %	ME-ICP81 Cu %	ME-ICP81 Ni %	ME-ICP81 Pb %	ME-ICP81 Zn %	Ag-AA45 Ag ppm	ME-ICP81 As %
		0.002	0.002	0.002	0.01	0.002	0.2	0.01
STANDARDS								
AMIS0281		0.018	5.45	1.695	<0.01	0.076		<0.01
AMIS0281		0.019	5.82	1.820	<0.01	0.079		<0.01
AMIS0281		0.019	5.60	1.740	<0.01	0.076		<0.01
Target Range - Lower Bound		0.013	5.27	1.650	<0.01	0.070		<0.01
Upper Bound		0.021	5.83	1.830	0.03	0.084		0.02
EMOG-17							65.0	
Target Range - Lower Bound							61.2	
Upper Bound							71.0	
GBM906-1							21.7	
GBM906-1							21.9	
Target Range - Lower Bound							20.8	
Upper Bound							24.4	
MP-1b		<0.002	2.99	<0.002	2.06	16.55		2.30
MP-1b		<0.002	3.16	<0.002	2.11	16.70		2.40
MP-1b		<0.002	3.06	<0.002	2.07	16.40		2.30
Target Range - Lower Bound		<0.002	2.91	<0.002	1.93	15.50		2.13
Upper Bound		0.004	3.22	0.005	2.25	17.85		2.47
MRCeo08							4.4	
MRCeo08							4.1	
Target Range - Lower Bound							3.9	
Upper Bound							5.0	
OREAS-132a							54.4	
Target Range - Lower Bound							51.5	
Upper Bound							59.7	
BLANKS								
BLANK							<0.2	
BLANK							<0.2	
BLANK							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
BLANK		<0.002	0.002	<0.002	<0.01	<0.002		<0.01
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Target Range - Lower Bound		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Upper Bound		0.004	0.004	0.004	0.02	0.004		0.02



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Project: DDH-217

QC CERTIFICATE OF ANALYSIS SD18245286

Sample Description	Method Analyte Units LOD	ME-ICP81 Co %	ME-ICP81 Cu %	ME-ICP81 Ni %	ME-ICP81 Pb %	ME-ICP81 Zn %	Ag-AA45 Ag ppm	ME-ICP81 As %
		0.002	0.002	0.002	0.01	0.002	0.2	0.01
DUPLICATES								
ORIGINAL							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
ORIGINAL		0.007	0.014	0.006	<0.01	0.012		<0.01
DUP		0.007	0.015	0.005	<0.01	0.012		<0.01
Target Range - Lower Bound		0.005	0.012	0.003	<0.01	0.010		<0.01
Upper Bound		0.009	0.017	0.008	0.02	0.014		0.02
E5722700							0.5	
DUP							0.6	
Target Range - Lower Bound							0.3	
Upper Bound							0.8	
E5722701		0.005	0.385	0.006	0.02	0.014		<0.01
DUP		0.006	0.386	0.005	0.02	0.014		<0.01
Target Range - Lower Bound		0.003	0.374	0.003	<0.01	0.011		<0.01
Upper Bound		0.008	0.397	0.008	0.03	0.017		0.02
E5722736							6.6	
DUP							6.7	
Target Range - Lower Bound							6.1	
Upper Bound							7.2	
E5722737		0.006	0.013	0.016	0.01	0.024		<0.01
DUP		0.006	0.012	0.013	0.01	0.024		<0.01
Target Range - Lower Bound		0.004	0.010	0.012	<0.01	0.021		<0.01
Upper Bound		0.008	0.015	0.017	0.02	0.027		0.02
PREP DUPLICATES								
E5722737		0.006	0.013	0.016	0.01	0.024	0.3	<0.01
E5722737 PREP DUP		0.006	0.011	0.013	0.01	0.024	0.4	<0.01



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Project: DDH-217

QC CERTIFICATE OF ANALYSIS SD18245286

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.		
	CRU-31	CRU-QC	LOG-21
	LOG-23	PUL-31	PUL-31d
	SPL-21	SPL-21d	WEI-21
			LOG-21d
			PUL-QC
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Ag-AA45	ME-ICP81	



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-218

AGAT WORK ORDER: 18B397762

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 02, 2018

PAGES (INCLUDING COVER): 23

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

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 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5722739 (9627855)		3.21
E5722740 (9627856)		2.66
E5722741 (9627857)		2.74
E5722742 (9627858)		2.58
E6543751 (9627859)		3.08
E6543752 (9627860)		1.34
E6543753 (9627861)		2.65
E6543754 (9627862)		2.40
E6543755 (9627863)		2.76
E6543756 (9627864)		2.22
E6543757 (9627865)		3.07
E6543758 (9627866)		3.07
E6543759 (9627867)		2.75
E6543760 (9627868)		3.63
E6543761 (9627869)		1.87
E6543762 (9627870)		3.22
E6543763 (9627871)		1.73
E6543764 (9627872)		1.72
E6543765 (9627873)		2.56
E6543766 (9627874)		0.01
E6543767 (9627875)		3.03
E6543768 (9627876)		1.86
E6543769 (9627877)		2.88
E6543770 (9627878)		2.70
E6543771 (9627879)		2.80
E6543772 (9627880)		1.42
E6543773 (9627881)		2.16
E6543774 (9627882)		1.96
E6543775 (9627883)		2.56
E6543776 (9627884)		2.72
E6543777 (9627885)		1.92

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6543778 (9627886)		1.92
E6543779 (9627887)		0.94
E6543780 (9627888)		0.81
E6543781 (9627889)		3.53
E6543782 (9627890)		1.65
E6543783 (9627891)		1.92
E6543784 (9627892)		2.66
E6543785 (9627893)		2.22
E6543786 (9627894)		0.01
E6543787 (9627895)		1.13
E6543788 (9627896)		2.57
E6543789 (9627897)		3.05
E6543790 (9627898)		2.47
E6543791 (9627899)		2.96
E6543792 (9627900)		1.72
E6543793 (9627901)		1.77
E6543794 (9627902)		2.98
E6543795 (9627903)		3.61
E6543796 (9627904)		2.72
E6543797 (9627905)		2.88
E6543798 (9627906)		2.88
E6543799 (9627907)		2.74

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E5722739 (9627855)	85	7.50	<5	21	94.5	<5	0.2	8.01	<0.2	10.1	64.1	0.029	0.6	146	
E5722740 (9627856)	8	7.30	<5	27	61.9	<5	0.3	9.24	<0.2	9.6	60.5	0.024	0.6	166	
E5722741 (9627857)	4	7.70	<5	<20	138	<5	0.1	8.01	<0.2	10.8	48.2	0.025	0.3	64	
E5722742 (9627858)	4	8.29	<5	21	135	<5	<0.1	5.91	<0.2	10.3	38.6	0.026	0.8	69	
E6543751 (9627859)	2	6.47	18	<20	226	<5	<0.1	4.71	<0.2	89.7	39.5	0.035	0.6	37	
E6543752 (9627860)	<1	0.08	<5	<20	22.9	<5	<0.1	32.5	<0.2	0.8	0.9	<0.005	<0.1	<5	
E6543753 (9627861)	<1	6.34	51	<20	250	<5	0.1	4.34	<0.2	74.1	43.8	0.038	0.8	20	
E6543754 (9627862)	<1	5.71	7	<20	273	<5	<0.1	5.43	<0.2	48.9	41.2	0.105	3.5	43	
E6543755 (9627863)	<1	5.69	8	<20	81.7	<5	<0.1	4.26	<0.2	30.5	37.5	0.119	1.4	21	
E6543756 (9627864)	<1	5.95	16	<20	160	<5	0.2	5.12	0.3	41.5	37.0	0.074	1.5	55	
E6543757 (9627865)	<1	5.63	10	<20	292	<5	0.3	5.18	<0.2	73.5	40.1	0.062	0.8	33	
E6543758 (9627866)	<1	5.76	11	<20	294	<5	0.3	5.21	<0.2	74.6	42.1	0.061	0.8	34	
E6543759 (9627867)	<1	5.69	<5	<20	254	<5	0.3	5.31	<0.2	70.4	40.3	0.061	0.9	20	
E6543760 (9627868)	<1	7.47	5	161	656	<5	0.3	7.32	0.3	14.9	52.3	0.023	0.8	133	
E6543761 (9627869)	2	5.22	<5	1370	123	<5	0.6	10.2	<0.2	10.4	119	0.015	0.2	904	
E6543762 (9627870)	1	6.40	<5	35	329	<5	0.5	7.09	4.8	8.9	56.6	0.017	0.6	145	
E6543763 (9627871)	1	6.11	<5	<20	251	<5	0.9	6.83	10.1	9.7	57.3	0.015	0.8	345	
E6543764 (9627872)	<1	7.19	9	28	252	<5	0.2	7.54	0.6	9.2	56.0	0.019	0.7	44	
E6543765 (9627873)	<1	6.99	<5	<20	217	<5	0.2	6.12	0.4	20.7	58.3	0.020	0.3	48	
E6543766 (9627874)	<1	4.52	561	132	171	<5	7.6	4.09	<0.2	70.7	1010	0.006	2.8	3010	
E6543767 (9627875)	<1	7.02	10	207	295	<5	0.6	7.93	0.2	12.9	70.7	0.019	0.9	176	
E6543768 (9627876)	<1	7.68	<5	34	466	<5	0.4	7.12	1.0	21.4	41.2	0.019	0.6	72	
E6543769 (9627877)	<1	7.83	<5	29	543	<5	0.2	4.95	0.4	19.9	41.1	0.020	0.9	13	
E6543770 (9627878)	<1	7.80	<5	24	525	<5	0.1	5.56	0.3	17.0	48.9	0.021	1.0	15	
E6543771 (9627879)	<1	7.42	7	<20	431	<5	0.5	4.88	1.1	24.0	55.3	0.019	2.9	50	
E6543772 (9627880)	<1	0.09	<5	<20	18.0	<5	<0.1	33.1	<0.2	0.8	0.9	<0.005	<0.1	6	
E6543773 (9627881)	<1	7.37	17	<20	15.1	<5	0.2	8.06	<0.2	37.0	28.3	0.019	0.3	74	
E6543774 (9627882)	<1	7.06	10	<20	16.5	5	0.6	8.57	<0.2	46.8	26.1	0.023	0.5	23	
E6543775 (9627883)	<1	7.73	11	<20	158	<5	0.1	4.19	<0.2	32.0	35.2	0.027	1.0	13	
E6543776 (9627884)	<1	7.19	93	<20	116	<5	0.2	4.64	<0.2	19.5	44.1	0.023	5.7	45	
E6543777 (9627885)	<1	5.43	58	<20	30.2	<5	0.1	5.18	<0.2	30.4	25.8	0.074	0.5	26	
E6543778 (9627886)	<1	5.43	62	<20	30.9	<5	0.1	5.02	<0.2	30.0	26.2	0.073	0.5	27	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6543779 (9627887)	<1	5.35	34	<20	60.2	<5	0.2	5.21	<0.2	22.3	29.1	0.096	0.6	31	
E6543780 (9627888)	<1	8.14	21	<20	224	<5	0.3	3.06	0.3	23.6	34.3	0.010	1.7	248	
E6543781 (9627889)	<1	5.39	<5	<20	129	<5	0.1	4.98	<0.2	26.7	41.2	0.101	1.7	24	
E6543782 (9627890)	<1	7.58	27	<20	287	<5	0.3	3.15	1.8	22.2	27.0	0.017	0.4	73	
E6543783 (9627891)	<1	4.99	<5	<20	80.8	<5	<0.1	5.28	<0.2	23.6	37.1	0.080	0.4	19	
E6543784 (9627892)	<1	5.36	<5	<20	170	<5	<0.1	4.92	<0.2	28.5	41.3	0.088	1.2	19	
E6543785 (9627893)	<1	6.05	5	<20	218	<5	<0.1	5.62	0.4	26.6	48.4	0.059	0.7	33	
E6543786 (9627894)	<1	4.55	561	128	172	<5	7.6	3.96	<0.2	72.3	988	0.006	2.8	3000	
E6543787 (9627895)	<1	5.59	5	25	19.0	<5	0.4	9.55	0.6	22.4	69.5	0.013	0.4	117	
E6543788 (9627896)	<1	8.28	7	70	254	<5	0.2	8.54	0.3	16.5	44.2	0.013	0.3	33	
E6543789 (9627897)	<1	7.26	<5	31	135	<5	0.2	7.29	<0.2	9.4	89.1	0.020	2.1	254	
E6543790 (9627898)	<1	7.43	<5	21	143	<5	0.1	6.49	0.3	10.2	57.0	0.019	1.5	84	
E6543791 (9627899)	<1	7.90	<5	20	132	<5	0.1	6.52	<0.2	10.3	56.0	0.023	1.2	62	
E6543792 (9627900)	<1	0.09	<5	<20	20.9	<5	<0.1	34.1	<0.2	0.9	0.8	<0.005	<0.1	12	
E6543793 (9627901)	<1	6.78	<5	<20	85.5	<5	0.1	8.83	<0.2	10.2	94.1	0.018	3.5	219	
E6543794 (9627902)	<1	8.57	<5	28	147	<5	<0.1	5.45	<0.2	11.3	38.9	0.022	1.2	22	
E6543795 (9627903)	<1	7.36	<5	20	101	<5	<0.1	6.38	<0.2	24.5	41.5	0.046	1.2	64	
E6543796 (9627904)	<1	7.21	<5	23	95.3	<5	<0.1	7.22	<0.2	14.3	49.3	0.017	1.6	128	
E6543797 (9627905)	<1	7.36	<5	20	98.1	<5	<0.1	7.40	<0.2	13.9	47.2	0.017	1.4	131	
E6543798 (9627906)	<1	7.17	<5	21	94.6	<5	<0.1	7.22	<0.2	14.4	48.0	0.017	1.4	126	
E6543799 (9627907)	<1	7.16	<5	<20	93.9	<5	<0.1	7.28	<0.2	13.6	47.6	0.021	1.3	122	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E5722739 (9627855)	4.04	2.68	0.89	9.53	17.8	3.23	2	2	0.89	<0.2	0.45	4.0	15	0.42
E5722740 (9627856)	3.66	2.51	0.86	11.3	17.4	3.07	2	2	0.79	<0.2	0.32	3.7	10	0.41
E5722741 (9627857)	4.10	2.55	0.93	9.84	18.3	3.58	2	2	0.84	<0.2	0.52	4.3	24	0.40
E5722742 (9627858)	3.76	2.31	0.98	5.73	19.8	3.34	1	2	0.81	<0.2	0.61	3.9	18	0.32
E6543751 (9627859)	4.68	2.05	2.50	5.41	17.9	8.44	2	5	0.84	<0.2	0.38	40.3	24	0.27
E6543752 (9627860)	0.23	0.12	<0.05	0.11	0.21	0.18	1	<1	<0.05	<0.2	0.05	1.0	<10	<0.05
E6543753 (9627861)	4.14	1.90	2.15	5.19	17.7	7.55	2	4	0.73	<0.2	0.54	33.0	28	0.26
E6543754 (9627862)	3.42	1.90	1.35	7.45	16.4	4.97	2	2	0.60	<0.2	0.94	22.2	49	0.25
E6543755 (9627863)	2.73	1.54	0.98	8.32	14.1	3.95	2	2	0.54	<0.2	0.57	12.7	57	0.22
E6543756 (9627864)	3.96	2.25	1.44	9.51	15.4	5.34	2	3	0.79	<0.2	0.69	19.1	50	0.31
E6543757 (9627865)	4.12	1.82	2.14	7.41	15.2	7.19	2	4	0.71	<0.2	0.55	34.0	48	0.26
E6543758 (9627866)	4.17	1.96	2.16	7.34	15.7	7.54	2	4	0.75	<0.2	0.56	34.5	46	0.25
E6543759 (9627867)	4.18	1.83	2.04	8.15	15.4	7.07	1	4	0.68	<0.2	0.54	31.9	48	0.24
E6543760 (9627868)	4.40	2.90	1.14	11.2	17.8	3.93	2	2	0.92	<0.2	0.88	6.8	26	0.43
E6543761 (9627869)	3.50	2.50	0.69	15.5	14.0	2.98	2	1	0.80	<0.2	0.31	4.9	13	0.47
E6543762 (9627870)	4.45	2.95	0.94	14.6	15.4	3.56	2	1	1.01	<0.2	0.65	3.5	24	0.49
E6543763 (9627871)	4.98	3.38	1.07	16.6	15.5	4.13	2	1	1.09	<0.2	0.41	3.7	27	0.54
E6543764 (9627872)	4.47	3.01	0.95	13.1	16.7	3.63	2	2	0.97	<0.2	0.77	3.6	23	0.50
E6543765 (9627873)	3.89	2.40	1.15	12.7	17.4	3.82	2	2	0.86	<0.2	0.50	8.0	33	0.42
E6543766 (9627874)	3.02	1.85	0.95	3.15	12.2	4.11	2	5	0.61	0.3	3.18	35.3	<10	0.31
E6543767 (9627875)	4.15	2.67	1.02	12.9	17.7	3.47	2	2	0.91	<0.2	0.75	5.8	24	0.43
E6543768 (9627876)	4.47	2.86	1.49	11.1	18.8	4.70	2	2	0.97	0.2	1.30	7.5	25	0.44
E6543769 (9627877)	4.41	2.73	1.32	10.5	17.1	4.12	1	2	0.95	<0.2	1.05	7.4	30	0.42
E6543770 (9627878)	4.10	2.70	1.15	10.0	17.3	3.68	1	2	0.90	<0.2	1.15	6.5	31	0.44
E6543771 (9627879)	4.45	3.02	1.41	12.6	18.0	4.01	2	2	0.99	<0.2	1.02	8.5	44	0.44
E6543772 (9627880)	0.19	0.13	<0.05	0.14	0.19	0.19	1	<1	<0.05	<0.2	0.06	1.0	<10	<0.05
E6543773 (9627881)	3.37	1.80	1.63	8.97	19.4	4.86	1	2	0.63	0.2	0.12	12.0	28	0.32
E6543774 (9627882)	7.59	5.32	2.57	10.6	19.9	8.30	1	3	1.68	0.3	0.20	19.3	27	0.62
E6543775 (9627883)	4.45	2.55	1.91	7.94	18.0	4.85	1	3	0.91	<0.2	0.51	11.9	24	0.38
E6543776 (9627884)	4.38	2.70	1.20	9.54	19.5	4.31	2	2	0.91	0.3	1.13	8.3	57	0.41
E6543777 (9627885)	4.84	2.47	1.18	6.10	14.8	5.61	1	3	0.96	0.2	0.39	13.1	60	0.34
E6543778 (9627886)	4.82	2.76	1.11	6.05	15.9	5.52	1	4	0.93	0.2	0.42	13.2	60	0.37

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6543779 (9627887)		3.13	1.65	1.14	7.03	15.2	3.84	2	3	0.60	0.2	1.18	9.9	75	0.26
E6543780 (9627888)		3.06	1.79	1.22	4.85	17.1	3.41	1	2	0.60	<0.2	1.37	10.4	43	0.28
E6543781 (9627889)		2.61	1.50	0.90	5.45	14.2	3.46	1	3	0.52	<0.2	0.66	11.4	62	0.22
E6543782 (9627890)		2.79	1.67	0.90	5.21	17.1	3.02	1	2	0.57	<0.2	0.71	10.0	35	0.28
E6543783 (9627891)		2.37	1.38	0.74	5.37	13.4	3.10	1	3	0.49	<0.2	0.66	9.8	36	0.20
E6543784 (9627892)		2.33	1.31	0.79	5.12	14.4	3.17	1	3	0.45	<0.2	0.54	12.3	45	0.22
E6543785 (9627893)		2.98	1.78	0.91	7.65	15.3	3.36	1	2	0.58	<0.2	0.57	12.0	37	0.28
E6543786 (9627894)		3.16	1.87	0.91	3.09	11.6	4.14	2	4	0.66	0.2	3.19	36.5	<10	0.28
E6543787 (9627895)		3.62	2.52	1.15	16.5	27.2	3.50	3	1	0.80	<0.2	0.21	12.9	22	0.48
E6543788 (9627896)		3.65	2.27	0.95	10.7	22.8	3.25	2	2	0.77	<0.2	0.59	7.5	24	0.39
E6543789 (9627897)		3.81	2.57	0.87	11.3	18.4	3.21	2	2	0.83	<0.2	0.73	3.8	33	0.41
E6543790 (9627898)		3.73	2.46	0.80	9.72	17.7	3.32	2	2	0.82	<0.2	0.73	4.2	37	0.39
E6543791 (9627899)		3.83	2.50	0.95	7.70	18.5	3.47	2	2	0.85	<0.2	0.56	4.0	23	0.39
E6543792 (9627900)		0.17	0.17	<0.05	0.08	0.25	0.23	1	<1	<0.05	<0.2	0.07	1.1	<10	<0.05
E6543793 (9627901)		3.98	2.54	0.77	11.6	16.4	3.31	2	2	0.85	<0.2	0.66	4.2	31	0.45
E6543794 (9627902)		3.73	2.25	0.87	6.66	17.3	3.54	1	2	0.76	<0.2	0.60	4.6	31	0.36
E6543795 (9627903)		2.76	1.67	0.83	6.27	15.7	3.00	2	2	0.55	<0.2	0.48	10.7	35	0.24
E6543796 (9627904)		2.75	1.72	0.67	7.31	15.8	2.50	2	1	0.57	<0.2	0.57	6.8	27	0.27
E6543797 (9627905)		2.74	1.80	0.69	7.42	15.3	2.46	2	2	0.62	<0.2	0.58	6.7	23	0.28
E6543798 (9627906)		2.84	1.67	0.69	7.27	15.7	2.59	2	1	0.58	<0.2	0.56	7.0	24	0.27
E6543799 (9627907)		2.82	1.71	0.64	7.02	15.3	2.53	2	1	0.57	<0.2	0.57	6.5	19	0.28

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722739 (9627855)	2.20	2340	7	2	7.9	109	0.04	6	1.52	17.1	0.32	0.4	44	22.6	
E5722740 (9627856)	2.39	2710	4	2	7.3	100	0.03	<5	1.43	9.9	0.30	0.7	44	20.7	
E5722741 (9627857)	2.54	2340	4	2	8.3	89	0.04	16	1.62	17.3	0.08	0.5	43	21.7	
E5722742 (9627858)	1.57	1500	5	3	7.9	69	0.04	6	1.56	28.3	0.03	0.2	38	25.5	
E6543751 (9627859)	4.03	1210	2	6	46.8	151	0.19	18	11.5	12.0	0.03	0.4	16	24.8	
E6543752 (9627860)	0.86	<10	<2	<1	0.8	6	<0.01	<5	0.19	0.4	0.12	<0.1	<5	5.01	
E6543753 (9627861)	4.01	1210	<2	6	41.4	176	0.20	<5	9.71	15.4	0.02	0.3	18	24.7	
E6543754 (9627862)	6.92	1760	3	3	26.3	337	0.15	<5	6.26	53.3	0.02	0.3	25	22.1	
E6543755 (9627863)	8.18	1580	<2	4	17.5	378	0.17	12	4.03	16.9	<0.01	0.3	25	21.9	
E6543756 (9627864)	6.89	1680	4	4	24.3	236	0.19	62	5.41	27.6	0.06	0.6	30	21.0	
E6543757 (9627865)	6.69	1700	<2	5	41.2	153	0.29	20	9.53	16.5	0.01	0.3	23	22.9	
E6543758 (9627866)	6.93	1710	<2	5	42.8	151	0.30	21	9.87	17.6	0.02	0.3	23	22.6	
E6543759 (9627867)	6.87	2030	<2	5	39.2	157	0.29	20	9.19	15.7	<0.01	0.3	24	23.9	
E6543760 (9627868)	3.24	3030	3	2	10.4	104	0.05	76	2.09	31.5	0.19	1.3	43	20.9	
E6543761 (9627869)	3.04	5540	<2	1	7.4	100	0.03	112	1.50	7.8	2.32	2.9	29	18.9	
E6543762 (9627870)	3.63	3540	<2	2	7.5	113	0.03	185	1.43	24.7	0.45	0.7	44	20.1	
E6543763 (9627871)	4.27	3460	<2	2	8.7	118	0.03	545	1.58	10.2	0.54	1.1	48	18.8	
E6543764 (9627872)	3.08	3210	<2	2	7.6	125	0.04	94	1.54	32.9	0.06	0.4	45	21.0	
E6543765 (9627873)	3.96	2440	<2	2	13.5	153	0.04	33	3.08	11.3	0.13	0.2	41	21.0	
E6543766 (9627874)	2.54	459	12	8	30.3	166	0.07	12	8.56	112	1.56	1.6	7	27.9	
E6543767 (9627875)	2.90	2860	3	2	8.4	144	0.03	57	1.88	29.9	0.52	0.8	46	21.0	
E6543768 (9627876)	2.48	2430	<2	3	16.0	91	0.03	194	3.45	44.0	0.13	1.6	51	20.8	
E6543769 (9627877)	2.79	2150	<2	2	13.0	102	0.04	66	2.99	42.0	0.02	0.4	48	22.8	
E6543770 (9627878)	2.91	2010	<2	2	10.8	114	0.04	54	2.55	46.9	0.01	0.4	46	23.6	
E6543771 (9627879)	3.33	2090	<2	2	14.7	168	0.04	102	3.59	61.7	0.27	0.5	50	20.8	
E6543772 (9627880)	1.30	15	<2	<1	0.7	<5	<0.01	<5	0.18	0.6	0.07	<0.1	<5	5.58	
E6543773 (9627881)	2.04	1930	<2	3	26.4	78	0.01	10	6.09	2.5	0.04	0.3	43	18.5	
E6543774 (9627882)	2.46	2300	<2	4	30.0	88	0.05	18	7.11	4.4	<0.01	0.2	38	18.8	
E6543775 (9627883)	2.64	1610	<2	4	20.3	104	0.11	22	4.81	22.7	0.01	0.3	42	23.3	
E6543776 (9627884)	4.01	2270	<2	3	12.4	205	0.04	<5	2.85	101	0.03	0.8	46	20.4	
E6543777 (9627885)	5.05	2060	3	6	18.0	282	0.11	<5	4.27	10.1	<0.01	0.6	16	23.5	
E6543778 (9627886)	5.03	2010	4	6	18.4	282	0.11	<5	4.27	10.4	<0.01	0.6	15	25.2	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6543779 (9627887)	5.68	2040	<2	4	13.7	366	0.13	<5	3.11	29.2	<0.01	0.6	19	22.5	
E6543780 (9627888)	3.14	911	<2	3	13.5	89	0.10	6	3.26	40.3	0.27	0.4	23	26.1	
E6543781 (9627889)	8.32	1150	32	4	16.0	531	0.14	6	3.80	22.6	0.02	0.3	18	25.4	
E6543782 (9627890)	4.08	796	<2	3	12.3	110	0.11	138	3.02	22.9	0.34	0.6	22	25.1	
E6543783 (9627891)	7.17	1190	5	4	14.4	416	0.12	<5	3.46	16.2	0.03	0.2	15	24.1	
E6543784 (9627892)	8.14	1060	<2	4	16.0	502	0.14	<5	4.00	21.7	<0.01	0.2	18	25.4	
E6543785 (9627893)	6.03	2120	2	4	14.9	361	0.10	29	3.65	19.2	0.02	0.4	25	23.6	
E6543786 (9627894)	2.58	474	12	8	31.3	169	0.07	12	8.72	109	1.53	1.6	7	27.3	
E6543787 (9627895)	3.73	3200	2	1	10.5	160	0.03	149	2.70	3.2	0.34	2.4	40	18.1	
E6543788 (9627896)	2.47	2630	3	2	10.0	94	0.06	47	2.32	12.4	0.06	1.3	33	21.9	
E6543789 (9627897)	2.52	2760	10	2	7.3	120	0.04	9	1.48	51.1	0.77	0.3	42	22.0	
E6543790 (9627898)	2.66	2650	28	2	8.0	96	0.04	10	1.71	40.2	0.12	0.2	42	22.1	
E6543791 (9627899)	1.85	2510	29	3	8.0	93	0.04	6	1.68	31.7	0.05	0.1	44	24.0	
E6543792 (9627900)	1.19	15	<2	<1	0.9	<5	0.01	<5	0.21	0.7	0.06	<0.1	<5	4.30	
E6543793 (9627901)	2.74	2280	3	2	7.8	191	0.03	6	1.61	48.0	0.59	0.3	48	21.3	
E6543794 (9627902)	2.18	1500	3	2	8.5	83	0.04	6	1.78	26.1	0.02	0.4	41	24.9	
E6543795 (9627903)	5.01	1350	<2	3	13.6	143	0.08	8	3.42	20.2	0.04	0.2	31	24.3	
E6543796 (9627904)	4.25	1360	2	2	8.0	95	0.03	<5	1.91	27.1	0.08	0.1	39	24.1	
E6543797 (9627905)	4.47	1400	2	2	8.0	96	0.03	<5	1.87	27.1	0.09	<0.1	41	24.8	
E6543798 (9627906)	4.28	1350	2	2	8.0	94	0.03	<5	1.90	26.7	0.08	0.1	40	24.4	
E6543799 (9627907)	4.60	1360	2	2	7.3	103	0.03	<5	1.82	25.4	0.10	<0.1	40	23.6	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E5722739 (9627855)	2.5	<1	127	<0.5	0.62	0.4	0.59	<0.5	0.40	0.11	306	2	23.8	2.8
E5722740 (9627856)	2.3	<1	119	<0.5	0.53	0.4	0.60	<0.5	0.39	0.12	305	2	22.2	2.6
E5722741 (9627857)	2.5	2	123	<0.5	0.60	0.4	0.61	<0.5	0.37	0.13	297	2	23.7	2.6
E5722742 (9627858)	2.4	2	111	<0.5	0.57	0.4	0.65	<0.5	0.33	0.10	285	2	21.0	2.3
E6543751 (9627859)	9.5	2	422	<0.5	1.00	4.7	0.40	<0.5	0.28	1.45	119	<1	22.8	1.8
E6543752 (9627860)	0.2	<1	59.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.08	<5	<1	2.1	0.1
E6543753 (9627861)	8.5	2	442	<0.5	0.86	4.6	0.39	<0.5	0.25	1.46	128	<1	21.8	1.7
E6543754 (9627862)	5.2	2	204	<0.5	0.61	2.5	0.39	<0.5	0.25	0.68	171	<1	17.9	1.6
E6543755 (9627863)	4.2	<1	102	<0.5	0.51	2.5	0.38	<0.5	0.24	0.59	161	<1	15.4	1.4
E6543756 (9627864)	5.3	1	87.9	<0.5	0.71	2.7	0.46	<0.5	0.31	0.81	203	<1	21.8	2.2
E6543757 (9627865)	8.0	1	328	<0.5	0.87	4.7	0.48	<0.5	0.27	1.34	165	<1	20.4	1.7
E6543758 (9627866)	8.3	<1	331	<0.5	0.89	4.9	0.48	<0.5	0.27	1.39	165	<1	21.7	1.8
E6543759 (9627867)	7.7	4	288	<0.5	0.82	4.4	0.48	<0.5	0.27	1.25	167	<1	19.7	1.7
E6543760 (9627868)	2.8	2	242	<0.5	0.65	0.6	0.60	<0.5	0.41	0.20	289	2	26.5	3.0
E6543761 (9627869)	2.1	<1	257	<0.5	0.49	0.4	0.38	<0.5	0.40	0.11	207	<1	24.9	2.9
E6543762 (9627870)	2.5	<1	115	<0.5	0.65	0.3	0.51	<0.5	0.45	0.14	282	<1	29.4	3.1
E6543763 (9627871)	2.8	1	90.4	<0.5	0.70	0.3	0.48	<0.5	0.53	0.28	287	1	30.8	3.5
E6543764 (9627872)	2.5	2	112	<0.5	0.69	0.5	0.56	<0.5	0.45	0.13	293	<1	30.2	2.9
E6543765 (9627873)	3.2	3	121	<0.5	0.66	0.6	0.60	<0.5	0.40	0.55	287	1	22.8	2.6
E6543766 (9627874)	5.3	2	27.5	0.8	0.61	10.4	0.24	0.8	0.27	6.75	56	4	19.2	1.9
E6543767 (9627875)	2.5	<1	220	<0.5	0.61	0.5	0.54	<0.5	0.41	0.26	295	1	26.8	2.6
E6543768 (9627876)	3.9	<1	338	<0.5	0.76	0.6	0.59	<0.5	0.42	0.70	285	1	28.7	2.8
E6543769 (9627877)	3.3	<1	163	<0.5	0.71	0.5	0.63	<0.5	0.40	0.45	313	1	27.2	2.7
E6543770 (9627878)	2.8	2	156	<0.5	0.65	0.4	0.64	<0.5	0.41	0.39	312	1	26.1	2.8
E6543771 (9627879)	3.3	2	130	<0.5	0.73	0.4	0.58	<0.5	0.43	0.49	313	<1	28.6	2.9
E6543772 (9627880)	0.1	<1	58.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.12	<5	<1	2.0	0.1
E6543773 (9627881)	5.5	4	34.7	<0.5	0.68	0.5	0.59	<0.5	0.28	1.40	239	<1	19.2	1.8
E6543774 (9627882)	7.1	4	25.7	<0.5	1.29	1.0	0.75	<0.5	0.69	1.93	275	<1	52.4	4.3
E6543775 (9627883)	4.8	1	136	<0.5	0.78	1.3	0.75	<0.5	0.35	1.03	294	1	26.1	2.5
E6543776 (9627884)	3.6	<1	80.9	<0.5	0.71	0.7	0.56	0.6	0.40	0.27	317	<1	26.7	2.6
E6543777 (9627885)	4.8	<1	73.5	<0.5	0.88	2.5	0.29	<0.5	0.35	1.16	110	<1	30.2	2.2
E6543778 (9627886)	4.9	<1	75.9	<0.5	0.86	3.0	0.28	<0.5	0.38	1.13	109	<1	30.5	2.3

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6543779 (9627887)	3.6	<1	36.1	<0.5	0.57	2.5	0.32	<0.5	0.24	1.14	121	<1	19.1	1.6
E6543780 (9627888)	3.2	<1	140	<0.5	0.52	2.0	0.41	<0.5	0.25	0.76	173	<1	18.3	1.7
E6543781 (9627889)	3.5	2	152	<0.5	0.49	2.4	0.32	<0.5	0.21	0.74	122	<1	16.2	1.4
E6543782 (9627890)	3.0	<1	186	<0.5	0.47	2.3	0.39	<0.5	0.26	0.65	171	<1	17.2	1.7
E6543783 (9627891)	3.3	1	107	<0.5	0.45	2.4	0.29	<0.5	0.19	0.64	110	<1	14.4	1.3
E6543784 (9627892)	3.3	<1	186	<0.5	0.43	2.5	0.33	<0.5	0.20	0.78	122	<1	14.4	1.3
E6543785 (9627893)	3.2	<1	196	<0.5	0.52	2.0	0.39	<0.5	0.25	0.63	172	<1	18.7	1.9
E6543786 (9627894)	5.5	1	27.3	0.7	0.59	10.6	0.24	0.7	0.30	6.71	57	4	19.3	1.8
E6543787 (9627895)	2.3	<1	340	<0.5	0.57	0.5	0.36	<0.5	0.40	0.33	228	<1	26.1	2.7
E6543788 (9627896)	2.5	<1	423	<0.5	0.58	0.9	0.51	<0.5	0.35	0.37	290	<1	22.9	2.4
E6543789 (9627897)	2.2	<1	145	<0.5	0.57	0.4	0.58	<0.5	0.37	0.10	324	2	25.6	2.6
E6543790 (9627898)	2.4	<1	156	<0.5	0.58	0.4	0.58	<0.5	0.39	0.11	292	1	23.9	2.5
E6543791 (9627899)	2.5	<1	148	<0.5	0.63	0.4	0.62	<0.5	0.37	0.10	298	2	24.9	2.5
E6543792 (9627900)	0.2	<1	64.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.2	0.1
E6543793 (9627901)	2.5	<1	216	<0.5	0.58	0.4	0.54	<0.5	0.39	0.15	311	<1	26.0	2.8
E6543794 (9627902)	2.7	<1	208	<0.5	0.62	0.4	0.66	<0.5	0.35	0.13	291	1	23.4	2.3
E6543795 (9627903)	2.9	<1	190	<0.5	0.52	2.0	0.38	<0.5	0.24	0.49	202	3	16.8	1.6
E6543796 (9627904)	1.9	2	137	<0.5	0.46	1.8	0.39	<0.5	0.24	0.54	239	<1	17.1	1.6
E6543797 (9627905)	2.1	3	137	<0.5	0.43	1.7	0.41	<0.5	0.26	0.62	251	<1	17.2	1.7
E6543798 (9627906)	2.1	1	135	<0.5	0.45	1.7	0.40	<0.5	0.28	0.55	244	<1	17.4	1.7
E6543799 (9627907)	1.9	3	124	<0.5	0.43	1.6	0.40	<0.5	0.24	0.52	245	<1	16.8	1.7

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E5722739 (9627855)		76	59.4
E5722740 (9627856)		82	55.0
E5722741 (9627857)		70	58.7
E5722742 (9627858)		63	65.0
E6543751 (9627859)		81	177
E6543752 (9627860)		<5	1.6
E6543753 (9627861)		70	181
E6543754 (9627862)		124	89.7
E6543755 (9627863)		131	83.1
E6543756 (9627864)		208	103
E6543757 (9627865)		141	143
E6543758 (9627866)		142	149
E6543759 (9627867)		146	138
E6543760 (9627868)		188	64.0
E6543761 (9627869)		142	41.0
E6543762 (9627870)		1330	53.0
E6543763 (9627871)		2830	48.6
E6543764 (9627872)		252	57.8
E6543765 (9627873)		209	58.9
E6543766 (9627874)		7	169
E6543767 (9627875)		193	54.0
E6543768 (9627876)		410	56.7
E6543769 (9627877)		211	60.4
E6543770 (9627878)		176	61.5
E6543771 (9627879)		479	61.3
E6543772 (9627880)		<5	1.3
E6543773 (9627881)		119	60.0
E6543774 (9627882)		116	125
E6543775 (9627883)		102	106
E6543776 (9627884)		51	61.1
E6543777 (9627885)		29	131
E6543778 (9627886)		27	142

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6543779 (9627887)		33	98.4
E6543780 (9627888)		76	87.5
E6543781 (9627889)		74	92.5
E6543782 (9627890)		536	86.9
E6543783 (9627891)		61	96.5
E6543784 (9627892)		63	93.9
E6543785 (9627893)		147	89.6
E6543786 (9627894)		5	167
E6543787 (9627895)		268	40.0
E6543788 (9627896)		125	61.2
E6543789 (9627897)		90	57.2
E6543790 (9627898)		145	56.7
E6543791 (9627899)		100	64.0
E6543792 (9627900)		<5	1.4
E6543793 (9627901)		53	53.9
E6543794 (9627902)		40	61.7
E6543795 (9627903)		68	73.9
E6543796 (9627904)		75	51.6
E6543797 (9627905)		73	61.5
E6543798 (9627906)		72	53.1
E6543799 (9627907)		71	50.1

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-998) 3 Acid Digest - Ag, ICP-OES finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Analyte: Ag

Unit: ppm

Sample ID (AGAT ID) RDL: 0.5

E5722739 (9627855) 92

Comments: RDL - Reported Detection Limit
9627855 As, Sb values may be low due to digestion losses.

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397762

PROJECT: DDH-218

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E5722740 (9627856)		84
E6543755 (9627863)		82
E6543768 (9627876)		88
E6543776 (9627884)		89
E6543787 (9627895)		89

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9627855	85	81	4.8%	9627866	< 1	< 1	0.0%	9627880	< 1	< 1	0.0%	9627890	< 1	< 1	0.0%
Al	9627855	7.50	7.43	0.9%	9627866	5.76	5.70	1.0%	9627880	0.09	0.05		9627890	7.58	7.70	1.6%
As	9627855	< 5	< 5	0.0%	9627866	11	11	0.0%	9627880	< 5	< 5	0.0%	9627890	27	21	25.0%
B	9627855	21	19	10.0%	9627866	< 20	< 20	0.0%	9627880	< 20	< 20	0.0%	9627890	< 20	< 20	0.0%
Ba	9627855	94.5	91.4	3.3%	9627866	294	303	3.0%	9627880	18.0	21.3	16.8%	9627890	287	286	0.3%
Be	9627855	< 5	< 5	0.0%	9627866	< 5	< 5	0.0%	9627880	< 5	< 5	0.0%	9627890	< 5	< 5	0.0%
Bi	9627855	0.2	0.2	0.0%	9627866	0.3	0.3	0.0%	9627880	< 0.1	< 0.1	0.0%	9627890	0.33	0.37	11.4%
Ca	9627855	8.01	8.03	0.2%	9627866	5.21	5.20	0.2%	9627880	33.1	32.6	1.5%	9627890	3.15	3.15	0.0%
Cd	9627855	< 0.2	< 0.2	0.0%	9627866	< 0.2	< 0.2	0.0%	9627880	< 0.2	< 0.2	0.0%	9627890	1.8	2.2	20.0%
Ce	9627855	10.1	9.84	2.6%	9627866	74.6	72.9	2.3%	9627880	0.78	0.73	6.6%	9627890	22.2	22.1	0.5%
Co	9627855	64.1	64.9	1.2%	9627866	42.1	41.8	0.7%	9627880	0.9	0.9	0.0%	9627890	27.0	26.6	1.5%
Cr	9627855	0.029	0.025	14.8%	9627866	0.061	0.062	1.6%	9627880	< 0.005	< 0.005	0.0%	9627890	0.017	0.017	0.0%
Cs	9627855	0.6	0.6	0.0%	9627866	0.8	0.8	0.0%	9627880	< 0.1	< 0.1	0.0%	9627890	0.45	0.46	2.2%
Cu	9627855	146	145	0.7%	9627866	34	36	5.7%	9627880	6	6	0.0%	9627890	73	66	10.1%
Dy	9627855	4.04	4.02	0.5%	9627866	4.17	4.26	2.1%	9627880	0.19	0.17	11.1%	9627890	2.79	2.73	2.2%
Er	9627855	2.68	2.72	1.5%	9627866	1.96	1.88	4.2%	9627880	0.13	0.10	26.1%	9627890	1.67	1.71	2.4%
Eu	9627855	0.89	0.93	4.4%	9627866	2.16	2.19	1.4%	9627880	< 0.05	< 0.05	0.0%	9627890	0.90	0.90	0.0%
Fe	9627855	9.53	9.49	0.4%	9627866	7.34	7.37	0.4%	9627880	0.14	0.08		9627890	5.21	5.19	0.4%
Ga	9627855	17.8	18.0	1.1%	9627866	15.7	15.6	0.6%	9627880	0.19	0.19	0.0%	9627890	17.1	16.8	1.8%
Gd	9627855	3.23	3.56	9.7%	9627866	7.54	7.06	6.6%	9627880	0.19	0.20	5.1%	9627890	3.02	3.13	3.6%
Ge	9627855	2	2	0.0%	9627866	2	2	0.0%	9627880	1	1	0.0%	9627890	1	1	0.0%
Hf	9627855	2	2	0.0%	9627866	4	4	0.0%	9627880	< 1	< 1	0.0%	9627890	2	2	0.0%
Ho	9627855	0.89	0.90	1.1%	9627866	0.753	0.723	4.1%	9627880	< 0.05	< 0.05	0.0%	9627890	0.57	0.56	1.8%
In	9627855	< 0.2	< 0.2	0.0%	9627866	< 0.2	< 0.2	0.0%	9627880	< 0.2	< 0.2	0.0%	9627890	< 0.2	< 0.2	0.0%
K	9627855	0.446	0.427	4.4%	9627866	0.56	0.56	0.0%	9627880	0.06	0.06	0.0%	9627890	0.71	0.69	2.9%
La	9627855	3.98	3.85	3.3%	9627866	34.5	33.9	1.8%	9627880	1.0	1.0	0.0%	9627890	10.0	9.7	3.0%
Li	9627855	15	18	18.2%	9627866	46	46	0.0%	9627880	< 10	< 10	0.0%	9627890	35	31	12.1%
Lu	9627855	0.42	0.43	2.4%	9627866	0.25	0.26	3.9%	9627880	< 0.05	< 0.05	0.0%	9627890	0.283	0.255	10.4%
Mg	9627855	2.20	2.10	4.7%	9627866	6.93	6.87	0.9%	9627880	1.30	1.35	3.8%	9627890	4.08	3.95	3.2%
Mn	9627855	2340	2350	0.4%	9627866	1710	1760	2.9%	9627880	15	15	0.0%	9627890	796	805	1.1%
Mo	9627855	7	5		9627866	< 2	< 2	0.0%	9627880	< 2	< 2	0.0%	9627890	< 2	< 2	0.0%



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Nb	9627855	2	2	0.0%	9627866	5	5	0.0%	9627880	< 1	< 1	0.0%	9627890	3	3	0.0%
Nd	9627855	7.87	7.62	3.2%	9627866	42.8	40.8	4.8%	9627880	0.70	0.64	9.0%	9627890	12.3	12.2	0.8%
Ni	9627855	109	106	2.8%	9627866	151	158	4.5%	9627880	5	5	0.0%	9627890	110	100	9.5%
P	9627855	0.04	0.04	0.0%	9627866	0.30	0.30	0.0%	9627880	< 0.01	0.01		9627890	0.11	0.11	0.0%
Pb	9627855	6	5	18.2%	9627866	21	20	4.9%	9627880	< 5	< 5	0.0%	9627890	138	128	7.5%
Pr	9627855	1.52	1.49	2.0%	9627866	9.87	9.69	1.8%	9627880	0.176	0.167	5.2%	9627890	3.02	2.93	3.0%
Rb	9627855	17.1	17.1	0.0%	9627866	17.6	17.0	3.5%	9627880	0.6	0.5	18.2%	9627890	22.9	22.1	3.6%
S	9627855	0.32	0.31	3.2%	9627866	0.02	0.02	0.0%	9627880	0.07	0.11		9627890	0.34	0.32	6.1%
Sb	9627855	0.4	0.4	0.0%	9627866	0.3	0.3	0.0%	9627880	< 0.1	< 0.1	0.0%	9627890	0.6	0.6	0.0%
Sc	9627855	44	44	0.0%	9627866	23	24	4.3%	9627880	< 5	< 5	0.0%	9627890	22	22	0.0%
Si	9627855	22.6	22.5	0.4%	9627866	22.6	22.7	0.4%	9627880	5.58	5.18	7.4%	9627890	25.1	25.6	2.0%
Sm	9627855	2.5	2.5	0.0%	9627866	8.31	8.51	2.4%	9627880	0.1	0.1	0.0%	9627890	2.97	2.81	5.5%
Sn	9627855	< 1	1		9627866	< 1	< 1	0.0%	9627880	< 1	3		9627890	< 1	< 1	0.0%
Sr	9627855	127	125	1.6%	9627866	331	339	2.4%	9627880	58.3	60.7	4.0%	9627890	186	189	1.6%
Ta	9627855	< 0.5	< 0.5	0.0%	9627866	< 0.5	< 0.5	0.0%	9627880	< 0.5	< 0.5	0.0%	9627890	< 0.5	< 0.5	0.0%
Tb	9627855	0.619	0.603	2.6%	9627866	0.89	0.89	0.0%	9627880	< 0.05	< 0.05	0.0%	9627890	0.47	0.50	6.2%
Th	9627855	0.4	0.4	0.0%	9627866	4.87	4.70	3.6%	9627880	< 0.1	< 0.1	0.0%	9627890	2.26	2.22	1.8%
Ti	9627855	0.592	0.600	1.3%	9627866	0.48	0.48	0.0%	9627880	< 0.01	< 0.01	0.0%	9627890	0.39	0.39	0.0%
Tl	9627855	< 0.5	< 0.5	0.0%	9627866	< 0.5	< 0.5	0.0%	9627880	< 0.5	< 0.5	0.0%	9627890	< 0.5	< 0.5	0.0%
Tm	9627855	0.40	0.40	0.0%	9627866	0.27	0.26	3.8%	9627880	< 0.05	< 0.05	0.0%	9627890	0.26	0.25	3.9%
U	9627855	0.108	0.104	3.8%	9627866	1.39	1.32	5.2%	9627880	0.12	0.16	28.6%	9627890	0.65	0.64	1.6%
V	9627855	306	305	0.3%	9627866	165	167	1.2%	9627880	< 5	< 5	0.0%	9627890	171	174	1.7%
W	9627855	2	2	0.0%	9627866	< 1	< 1	0.0%	9627880	< 1	< 1	0.0%	9627890	< 1	< 1	0.0%
Y	9627855	23.8	24.2	1.7%	9627866	21.7	21.4	1.4%	9627880	2.0	2.0	0.0%	9627890	17.2	16.7	2.9%
Yb	9627855	2.8	2.8	0.0%	9627866	1.8	1.8	0.0%	9627880	0.1	0.1	0.0%	9627890	1.7	1.7	0.0%
Zn	9627855	76	74	2.7%	9627866	142	142	0.0%	9627880	< 5	< 5	0.0%	9627890	536	559	4.2%
Zr	9627855	59.4	58.9	0.8%	9627866	149	146	2.0%	9627880	1.3	1.3	0.0%	9627890	86.9	86.7	0.2%

Parameter	REPLICATE #5				REPLICATE #6											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9627902	< 1	< 1	0.0%	9627905	< 1	< 1	0.0%								
Al	9627902	8.57	8.47	1.2%	9627905	7.36	7.24	1.6%								
As	9627902	< 5	< 5	0.0%	9627905	< 5	< 5	0.0%								
B	9627902	28	22	24.0%	9627905	20	16	22.2%								
Ba	9627902	147	149	1.4%	9627905	98.1	96.4	1.7%								



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Be	9627902	< 5	< 5	0.0%	9627905	< 5	< 5	0.0%									
Bi	9627902	< 0.1	< 0.1	0.0%	9627905	< 0.1	< 0.1	0.0%									
Ca	9627902	5.45	5.59	2.5%	9627905	7.40	7.30	1.4%									
Cd	9627902	< 0.2	< 0.2	0.0%	9627905	< 0.2	< 0.2	0.0%									
Ce	9627902	11.3	11.8	4.3%	9627905	13.9	14.4	3.5%									
Co	9627902	38.9	40.5	4.0%	9627905	47.2	50.2	6.2%									
Cr	9627902	0.022	0.022	0.0%	9627905	0.017	0.017	0.0%									
Cs	9627902	1.2	1.2	0.0%	9627905	1.37	1.45	5.7%									
Cu	9627902	22	22	0.0%	9627905	131	125	4.7%									
Dy	9627902	3.73	4.04	8.0%	9627905	2.74	2.75	0.4%									
Er	9627902	2.25	2.44	8.1%	9627905	1.80	1.77	1.7%									
Eu	9627902	0.87	0.90	3.4%	9627905	0.687	0.680	1.0%									
Fe	9627902	6.66	6.82	2.4%	9627905	7.42	7.27	2.0%									
Ga	9627902	17.3	18.4	6.2%	9627905	15.3	15.9	3.8%									
Gd	9627902	3.54	3.55	0.3%	9627905	2.46	2.49	1.2%									
Ge	9627902	1	1	0.0%	9627905	2	2	0.0%									
Hf	9627902	2	2	0.0%	9627905	2	2	0.0%									
Ho	9627902	0.765	0.833	8.5%	9627905	0.618	0.600	3.0%									
In	9627902	< 0.2	< 0.2	0.0%	9627905	< 0.2	< 0.2	0.0%									
K	9627902	0.60	0.60	0.0%	9627905	0.58	0.57	1.7%									
La	9627902	4.64	4.81	3.6%	9627905	6.7	6.9	2.9%									
Li	9627902	31	29	6.7%	9627905	23	22	4.4%									
Lu	9627902	0.36	0.37	2.7%	9627905	0.28	0.27	3.6%									
Mg	9627902	2.18	2.09	4.2%	9627905	4.47	4.43	0.9%									
Mn	9627902	1500	1540	2.6%	9627905	1400	1370	2.2%									
Mo	9627902	3	3	0.0%	9627905	2	2	0.0%									
Nb	9627902	2	3		9627905	2	2	0.0%									
Nd	9627902	8.51	8.76	2.9%	9627905	8.0	8.0	0.0%									
Ni	9627902	83	85	2.4%	9627905	96	95	1.0%									
P	9627902	0.045	0.046	2.2%	9627905	0.03	0.03	0.0%									
Pb	9627902	6	5	18.2%	9627905	< 5	< 5	0.0%									
Pr	9627902	1.78	1.86	4.4%	9627905	1.87	1.92	2.6%									
Rb	9627902	26.1	26.2	0.4%	9627905	27.1	27.4	1.1%									
S	9627902	0.015	0.013	14.3%	9627905	0.09	0.09	0.0%									



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Sb	9627902	0.35	0.34	2.9%	9627905	< 0.1	< 0.1	0.0%								
Sc	9627902	41	41	0.0%	9627905	41	40	2.5%								
Si	9627902	24.9	25.6	2.8%	9627905	24.8	24.4	1.6%								
Sm	9627902	2.65	2.64	0.4%	9627905	2.06	1.94	6.0%								
Sn	9627902	< 1	< 1	0.0%	9627905	3	2									
Sr	9627902	208	214	2.8%	9627905	137	134	2.2%								
Ta	9627902	< 0.5	< 0.5	0.0%	9627905	< 0.5	< 0.5	0.0%								
Tb	9627902	0.62	0.63	1.6%	9627905	0.434	0.448	3.2%								
Th	9627902	0.4	0.4	0.0%	9627905	1.7	1.7	0.0%								
Ti	9627902	0.66	0.66	0.0%	9627905	0.409	0.403	1.5%								
Tl	9627902	< 0.5	< 0.5	0.0%	9627905	< 0.5	< 0.5	0.0%								
Tm	9627902	0.35	0.36	2.8%	9627905	0.255	0.239	6.5%								
U	9627902	0.13	0.14	7.4%	9627905	0.62	0.57	8.4%								
V	9627902	291	296	1.7%	9627905	251	245	2.4%								
W	9627902	1	< 1		9627905	< 1	< 1	0.0%								
Y	9627902	23.4	24.4	4.2%	9627905	17.2	17.5	1.7%								
Yb	9627902	2.3	2.3	0.0%	9627905	1.7	1.7	0.0%								
Zn	9627902	40	42	4.9%	9627905	73	69	5.6%								
Zr	9627902	61.7	62.1	0.6%	9627905	61.5	55.6	10.1%								

(201-998) 3 Acid Digest - Ag, ICP-OES finish

Parameter	REPLICATE #1				RPD											
	Sample ID	Original	Replicate	RPD												
Ag	9627855	92.0	101	9.3%												



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.23	93%	90% - 110%	8.47	8.06	95%	90% - 110%								
As					26	25	94%	90% - 110%	25	26	104%	90% - 110%				
Ba	340	325	95%	90% - 110%	540	521	97%	90% - 110%								
Be	2.6	3.1	121%	90% - 110%	4.0	3.7	94%	90% - 110%								
Ca	5.72	5.43	95%	90% - 110%	0.907	0.905	100%	90% - 110%								
Ce	122	122	100%	90% - 110%	98	101	103%	90% - 110%								
Co	2.8	2.4	86%	90% - 110%	15	15	100%	90% - 110%	1202	1221	102%	90% - 110%				
Cs	1.5	1.6	108%	90% - 110%												
Cu					150	156	104%	90% - 110%	15414	14626	95%	90% - 110%				
Dy	18.2	18.9	104%	90% - 110%												
Er	14.2	14.2	100%	90% - 110%	3.7	3.9	105%	90% - 110%								
Eu	2.0	1.9	93%	90% - 110%	1.0	1	104%	90% - 110%								
Fe	4.34	4.06	94%	90% - 110%	3.77	3.66	97%	90% - 110%								
Ga	35	35	99%	90% - 110%												
Gd	14	15	105%	90% - 110%												
Hf	10.6	10.8	102%	90% - 110%	11	10	89%	90% - 110%								
Ho	4.3	4.4	103%	90% - 110%												
K	1.37	1.36	99%	90% - 110%	2.55	2.46	96%	90% - 110%								
La	58	58	100%	90% - 110%	44	45	103%	90% - 110%								
Li	37	39	105%	90% - 110%	47	50	107%	90% - 110%								
Lu	2.1	2.1	102%	90% - 110%	0.6	0.6	95%	90% - 110%								
Mg	0.325	0.297	91%	90% - 110%	1.1	1.1	102%	90% - 110%								
Mn	836	790	95%	90% - 110%	780	758	97%	90% - 110%								
Mo					14	15	106%	90% - 110%								
Nb	13	14	105%	90% - 110%	20	19	95%	90% - 110%								
Nd	57	58	101%	90% - 110%												
Ni	9	10	115%	90% - 110%	32	39	121%	90% - 110%	23610	22012	93%	90% - 110%				
Pb	10	9	94%	90% - 110%	31	30	97%	90% - 110%	41	40	98%	90% - 110%				
Pr	15.0	14.6	97%	90% - 110%												
Rb	55	53	96%	90% - 110%	144	151	105%	90% - 110%								
Sb					0.8	0.8	99%	90% - 110%								



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Sc					12	12	102%	90% - 110%									
Si	23.3	22.7	97%	90% - 110%	28.4	28.4	100%	90% - 110%									
Sm	12.7	12.3	97%	90% - 110%	7.4	7.3	99%	90% - 110%									
Sn	7.1	6.9	97%	90% - 110%													
Sr	1191	1139	96%	90% - 110%	144	143	99%	90% - 110%									
Ta	0.9	0.9	102%	90% - 110%	1.9	1.7	91%	90% - 110%									
Tb	2.6	2.7	103%	90% - 110%	1.2	1.2	96%	90% - 110%									
Th	1.4	1.2	88%	90% - 110%	18.4	18	98%	90% - 110%									
Ti	0.172	0.165	96%	90% - 110%	0.527	0.511	97%	90% - 110%									
Tm	2.3	2.3	100%	90% - 110%													
U	0.8	0.9	110%	90% - 110%	5.7	5.2	91%	90% - 110%									
V					77	79	102%	90% - 110%									
W					5	5	99%	90% - 110%									
Y	119	119	100%	90% - 110%	40	41	101%	90% - 110%									
Yb	14.8	15.2	103%	90% - 110%													
Zn	93	90	97%	90% - 110%	130	121	93%	90% - 110%	90	82	91%	90% - 110%					
Zr	517	569	110%	90% - 110%	390	381	98%	90% - 110%									

(201-998) 3 Acid Digest - Ag, ICP-OES finish

Parameter	CRM #1 (ref.ME-1303)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)									
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits						
Ag	152	143	94%	90% - 110%														



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-218
 SAMPLING SITE:

AGAT WORK ORDER: 18B397762
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
PROJECT: DDH-218
SAMPLING SITE:

AGAT WORK ORDER: 18B397762
ATTENTION TO: FRANK SANTAGUIDA JASON
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Ag	MIN-200-12002/12020		ICP/OES
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-219

AGAT WORK ORDER: 18B397792

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Oct 30, 2018

PAGES (INCLUDING COVER): 31

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Oct 30, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5722743 (9628025)		1.23
E5722744 (9628026)		1.99
E5722745 (9628027)		2.06
E5722746 (9628028)		0.01
E5722747 (9628029)		2.24
E5722748 (9628030)		2.25
E5722749 (9628031)		2.23
E5722750 (9628032)		1.36
E5722751 (9628033)		0.70
E5722752 (9628034)		1.62
E5722753 (9628035)		1.71
E5722754 (9628036)		1.07
E5722755 (9628037)		1.79
E5722756 (9628038)		2.17
E5722757 (9628039)		2.20
E5722758 (9628040)		1.11
E5722759 (9628041)		2.57
E5722760 (9628042)		2.29
E5722761 (9628043)		2.27
E5722762 (9628044)		1.99
E5722763 (9628045)		2.14
E5722764 (9628046)		0.65
E5722765 (9628047)		1.65
E5722766 (9628048)		0.01
E5722767 (9628049)		2.31
E5722768 (9628050)		2.31
E5722769 (9628051)		1.13
E5722770 (9628052)		1.37
E5722771 (9628053)		1.11
E5722772 (9628054)		1.60
E5722773 (9628055)		0.87

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

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 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Oct 30, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5722774 (9628056)		2.20
E5722775 (9628057)		2.17
E5722776 (9628058)		2.49
E5722777 (9628059)		1.63
E5722778 (9628060)		0.96
E5722779 (9628061)		0.90
E5722780 (9628062)		1.79
E5722781 (9628063)		0.01
E5722782 (9628064)		1.93
E5722783 (9628065)		2.38
E5722784 (9628066)		2.46
E5722785 (9628067)		2.13
E5722786 (9628068)		0.01
E5722787 (9628069)		2.46
E5722788 (9628070)		2.36
E5722789 (9628071)		2.28
E5722790 (9628072)		2.35
E5722791 (9628073)		2.35
E5722792 (9628074)		1.43
E5722793 (9628075)		2.20
E5722794 (9628076)		1.51
E5722795 (9628077)		0.89
E5722796 (9628078)		1.57
E5722797 (9628079)		0.01
E5722798 (9628080)		2.50
E5722799 (9628081)		0.88
E5722800 (9628082)		2.16
E5722801 (9628083)		2.25
E5722802 (9628084)		2.15
E5722803 (9628085)		2.24
E5722804 (9628086)		2.43

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

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 CANADA L4Z 1N9
 TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Oct 30, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5722805 (9628087)		2.41
E5722806 (9628088)		0.01
E5722807 (9628089)		1.03
E5722808 (9628090)		1.22
E5722809 (9628091)		1.42
E5722810 (9628092)		0.01
E5722811 (9628093)		2.28
E5722812 (9628094)		2.51
E5722813 (9628095)		2.09
E5722814 (9628096)		1.88
E5722815 (9628097)		2.31
E5722816 (9628098)		2.08
E5722817 (9628099)		2.55
E5722818 (9628100)		2.55
E5722819 (9628101)		2.50
E5722820 (9628102)		2.55
E5722821 (9628103)		2.01
E5722822 (9628104)		2.73

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E5722743 (9628025)	<1	7.84	20	<20	237	<5	0.1	7.77	<0.2	9.1	44.9	0.025	2.4	69	
E5722744 (9628026)	<1	8.41	25	23	481	<5	<0.1	5.53	<0.2	10.1	45.6	0.026	2.8	52	
E5722745 (9628027)	<1	8.38	11	<20	201	<5	0.2	5.74	<0.2	11.8	44.1	0.024	3.5	81	
E5722746 (9628028)	<1	4.40	579	119	173	<5	7.8	3.98	<0.2	71.7	1010	0.006	3.1	2900	
E5722747 (9628029)	<1	7.87	7	<20	187	<5	0.4	5.38	<0.2	10.3	37.6	0.024	1.5	59	
E5722748 (9628030)	<1	8.41	9	21	248	<5	0.3	6.70	<0.2	12.2	40.4	0.024	1.9	115	
E5722749 (9628031)	<1	7.84	15	<20	162	<5	0.7	6.78	<0.2	17.1	36.9	0.023	1.5	102	
E5722750 (9628032)	<1	6.52	40	<20	31.2	<5	1.6	11.7	<0.2	47.8	40.6	0.017	0.6	81	
E5722751 (9628033)	<1	8.34	37	<20	185	<5	0.6	3.64	<0.2	14.5	40.5	0.026	1.1	61	
E5722752 (9628034)	<1	0.06	<5	<20	30.7	<5	<0.1	35.5	<0.2	0.8	0.7	<0.005	<0.1	<5	
E5722753 (9628035)	<1	8.89	15	<20	167	<5	0.4	4.09	<0.2	17.6	24.7	0.025	0.9	108	
E5722754 (9628036)	<1	7.25	8	<20	71.6	<5	0.2	10.4	3.6	35.6	16.6	0.018	0.8	95	
E5722755 (9628037)	<1	9.38	27	27	312	<5	0.1	3.54	<0.2	16.7	41.3	0.025	1.7	86	
E5722756 (9628038)	<1	9.00	18	23	249	<5	0.1	3.03	<0.2	10.3	29.2	0.026	1.4	86	
E5722757 (9628039)	<1	8.26	12	22	348	<5	0.1	6.33	<0.2	11.6	43.6	0.028	1.5	131	
E5722758 (9628040)	<1	8.36	12	<20	334	<5	0.1	5.86	<0.2	11.3	43.5	0.028	1.7	143	
E5722759 (9628041)	<1	8.25	10	80	350	<5	0.1	6.10	<0.2	11.1	36.0	0.029	2.2	127	
E5722760 (9628042)	<1	8.36	14	61	289	<5	<0.1	5.54	<0.2	11.3	29.4	0.026	1.2	123	
E5722761 (9628043)	<1	8.81	12	<20	300	<5	0.1	4.51	<0.2	13.8	35.1	0.028	1.9	121	
E5722762 (9628044)	<1	9.17	12	21	470	<5	<0.1	4.52	<0.2	13.9	43.4	0.028	2.5	50	
E5722763 (9628045)	<1	8.23	54	<20	370	<5	0.1	3.67	0.8	36.2	56.2	0.032	0.7	134	
E5722764 (9628046)	<1	6.46	<5	<20	255	<5	<0.1	5.51	<0.2	83.1	39.0	0.042	0.7	16	
E5722765 (9628047)	<1	6.25	<5	<20	242	<5	0.1	5.30	0.8	88.1	39.3	0.042	0.6	24	
E5722766 (9628048)	<1	4.62	574	120	177	<5	8.0	4.12	<0.2	72.0	1010	0.006	3.0	2910	
E5722767 (9628049)	<1	6.75	11	<20	248	<5	0.3	5.13	0.8	88.5	40.8	0.038	0.6	34	
E5722768 (9628050)	<1	8.51	17	<20	309	<5	0.4	3.78	1.1	15.1	34.6	0.024	1.2	56	
E5722769 (9628051)	<1	7.45	18	<20	294	<5	0.5	6.09	0.7	17.0	48.9	0.022	1.7	156	
E5722770 (9628052)	<1	7.39	18	<20	238	<5	0.5	6.90	0.6	20.9	44.5	0.021	0.8	80	
E5722771 (9628053)	<1	7.73	<5	<20	140	<5	0.2	3.11	1.3	33.5	16.0	0.012	0.3	49	
E5722772 (9628054)	<1	0.05	<5	<20	18.5	<5	<0.1	33.9	<0.2	0.8	0.7	<0.005	<0.1	<5	
E5722773 (9628055)	<1	8.06	5	<20	249	<5	0.3	1.98	0.4	31.2	11.4	0.011	0.3	34	
E5722774 (9628056)	<1	7.83	<5	<20	851	<5	<0.1	2.15	0.4	34.2	12.0	0.016	0.4	17	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E5722775 (9628057)	1	8.33	121	21	387	<5	2.3	5.42	<0.2	29.1	83.1	0.027	4.3	360	
E5722776 (9628058)	<1	8.38	13	26	431	<5	0.3	5.75	<0.2	13.0	66.9	0.029	0.9	93	
E5722777 (9628059)	<1	8.58	31	25	382	<5	0.2	6.76	<0.2	12.5	70.0	0.029	0.8	73	
E5722778 (9628060)	<1	8.45	19	26	370	<5	0.1	6.79	<0.2	12.3	67.8	0.028	0.9	58	
E5722779 (9628061)	<1	8.14	1110	<20	393	<5	2.6	6.19	<0.2	17.9	301	0.024	0.8	112	
E5722780 (9628062)	<1	0.12	<5	<20	26.7	<5	<0.1	34.8	<0.2	0.8	0.8	<0.005	<0.1	6	
E5722781 (9628063)	<1	4.69	566	120	178	<5	7.7	4.38	<0.2	73.9	986	0.006	2.9	2990	
E5722782 (9628064)	<1	8.58	60	27	273	<5	0.2	6.39	<0.2	12.6	75.6	0.026	1.2	113	
E5722783 (9628065)	<1	8.16	29	25	264	<5	0.2	6.72	0.3	12.0	71.8	0.026	0.9	130	
E5722784 (9628066)	<1	8.40	9	22	182	<5	0.1	7.02	<0.2	11.7	59.0	0.026	0.7	98	
E5722785 (9628067)	<1	8.33	26	21	169	<5	0.2	5.19	0.8	16.3	46.3	0.024	1.1	90	
E5722786 (9628068)	<1	4.66	586	117	180	<5	8.0	4.23	<0.2	78.1	994	0.006	2.9	2920	
E5722787 (9628069)	<1	8.05	14	<20	125	<5	0.4	6.29	0.8	10.8	56.1	0.025	0.9	111	
E5722788 (9628070)	<1	8.14	<5	<20	202	<5	0.2	6.79	<0.2	11.3	56.7	0.025	0.7	111	
E5722789 (9628071)	1	8.55	<5	30	274	<5	0.2	6.83	<0.2	11.7	56.9	0.026	0.7	89	
E5722790 (9628072)	<1	7.85	<5	55	199	<5	0.1	7.79	<0.2	13.6	57.4	0.025	0.7	76	
E5722791 (9628073)	<1	7.85	<5	30	217	<5	0.2	6.85	<0.2	12.7	70.5	0.024	0.9	240	
E5722792 (9628074)	<1	0.07	<5	<20	21.6	<5	<0.1	35.2	<0.2	1.1	0.8	<0.005	<0.1	<5	
E5722793 (9628075)	<1	8.34	<5	25	330	<5	<0.1	6.79	<0.2	11.6	54.3	0.028	0.9	35	
E5722794 (9628076)	2	7.25	19	28	208	<5	0.9	6.92	6.2	14.1	82.3	0.022	1.2	1070	
E5722795 (9628077)	18	5.03	177	25	195	<5	0.9	6.94	2.9	35.4	123	0.012	3.4	6290	
E5722796 (9628078)	<1	0.05	<5	<20	31.0	<5	<0.1	33.9	<0.2	0.9	0.7	<0.005	<0.1	6	
E5722797 (9628079)	<1	4.59	587	117	176	<5	8.1	4.15	<0.2	72.4	1020	0.006	2.9	2870	
E5722798 (9628080)	3	6.74	67	25	191	<5	0.9	6.70	1.3	18.3	73.1	0.015	6.1	787	
E5722799 (9628081)	4	6.33	80	22	147	<5	1.1	6.55	1.9	20.0	77.5	0.014	7.7	933	
E5722800 (9628082)	2	8.57	14	25	244	<5	0.3	5.82	<0.2	11.1	49.0	0.022	1.6	108	
E5722801 (9628083)	<1	8.64	15	43	250	<5	0.2	6.27	<0.2	11.8	50.9	0.023	1.3	61	
E5722802 (9628084)	<1	8.30	<5	45	222	<5	0.3	6.17	<0.2	10.8	56.8	0.022	1.2	163	
E5722803 (9628085)	<1	7.86	30	27	220	<5	0.1	5.80	0.2	10.9	43.9	0.019	1.5	41	
E5722804 (9628086)	<1	7.26	70	27	372	<5	0.3	4.86	0.2	15.3	58.4	0.018	13.9	135	
E5722805 (9628087)	<1	8.64	32	32	367	<5	0.1	4.89	0.5	18.1	44.8	0.022	3.8	144	
E5722806 (9628088)	<1	4.57	554	115	171	<5	8.1	4.15	<0.2	73.9	956	0.005	3.0	2860	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E5722807 (9628089)	<1	8.21	330	<20	437	<5	1.4	1.88	3.3	21.4	104	0.197	9.6	181	
E5722808 (9628090)	1	7.60	569	<20	84.4	<5	3.4	5.88	0.2	56.3	275	0.135	1.7	147	
E5722809 (9628091)	<1	0.11	<5	<20	25.2	<5	<0.1	34.1	<0.2	1.0	1.0	<0.005	<0.1	<5	
E5722810 (9628092)	<1	4.48	567	115	172	<5	8.1	4.07	<0.2	75.5	992	0.006	3.0	2860	
E5722811 (9628093)	<1	5.60	100	<20	106	<5	0.8	6.46	<0.2	62.1	48.2	0.038	0.5	101	
E5722812 (9628094)	<1	5.71	51	<20	45.4	<5	0.1	6.75	<0.2	54.4	38.2	0.040	0.3	44	
E5722813 (9628095)	<1	8.36	53	<20	49.2	<5	0.4	2.80	<0.2	87.0	40.8	0.033	1.6	265	
E5722814 (9628096)	<1	7.86	52	<20	117	<5	0.3	3.02	<0.2	145	43.7	0.031	0.3	20	
E5722815 (9628097)	<1	7.43	91	<20	44.4	<5	0.6	3.71	<0.2	24.2	63.6	0.019	0.3	83	
E5722816 (9628098)	<1	8.06	44	<20	63.3	<5	0.5	2.65	0.5	25.0	36.7	0.017	0.2	174	
E5722817 (9628099)	<1	8.00	21	<20	264	<5	<0.1	3.11	<0.2	21.6	33.3	0.021	0.7	20	
E5722818 (9628100)	<1	8.13	20	<20	269	<5	<0.1	3.14	<0.2	21.0	33.8	0.020	0.8	16	
E5722819 (9628101)	<1	7.97	16	<20	286	<5	<0.1	3.80	0.2	19.4	40.1	0.020	2.3	21	
E5722820 (9628102)	<1	7.58	51	<20	185	<5	0.2	3.99	0.4	16.9	58.6	0.018	0.9	40	
E5722821 (9628103)	<1	7.88	21	21	344	<5	<0.1	4.61	1.1	21.1	38.9	0.019	0.8	37	
E5722822 (9628104)	<1	8.73	86	50	1030	<5	0.6	2.96	3.6	17.6	88.2	0.020	1.3	120	

Certified By:



Certificate of Analysis

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TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Oct 30, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E5722743 (9628025)	2.60	1.63	0.69	7.16	18.5	2.38	2	2	0.61	<0.2	0.80	3.6	15	0.26
E5722744 (9628026)	2.60	1.69	0.94	7.84	18.8	2.53	2	2	0.57	<0.2	1.55	4.0	26	0.26
E5722745 (9628027)	3.23	2.06	0.80	7.37	20.2	3.07	2	2	0.69	<0.2	0.80	4.3	19	0.30
E5722746 (9628028)	2.99	1.87	0.94	3.11	12.5	4.07	2	5	0.63	0.3	3.20	36.0	14	0.30
E5722747 (9628029)	2.79	1.75	0.76	7.52	18.4	2.86	2	2	0.60	<0.2	0.60	4.1	20	0.27
E5722748 (9628030)	3.45	2.17	0.98	7.10	19.5	3.38	2	2	0.76	<0.2	0.79	4.9	21	0.33
E5722749 (9628031)	3.55	1.96	1.05	5.80	19.1	4.09	2	2	0.73	<0.2	0.62	6.9	21	0.27
E5722750 (9628032)	7.28	2.99	1.34	6.01	19.1	10.8	1	1	1.31	0.3	0.21	19.6	26	0.37
E5722751 (9628033)	3.56	2.22	0.74	6.68	20.0	3.64	1	2	0.74	0.2	0.98	5.2	30	0.32
E5722752 (9628034)	0.17	0.11	<0.05	0.07	0.12	0.20	1	<1	<0.05	<0.2	0.06	1.0	<10	<0.05
E5722753 (9628035)	3.99	2.29	0.99	5.54	18.7	3.82	1	2	0.81	<0.2	0.85	7.1	27	0.33
E5722754 (9628036)	5.48	2.55	1.37	4.21	16.9	7.52	1	2	0.95	0.2	0.53	13.5	19	0.34
E5722755 (9628037)	3.35	1.99	1.20	3.86	21.1	3.47	1	2	0.71	<0.2	1.11	7.3	27	0.28
E5722756 (9628038)	2.84	1.67	0.74	3.24	19.9	2.61	1	2	0.60	<0.2	0.90	4.0	25	0.26
E5722757 (9628039)	3.12	1.91	0.89	6.41	20.2	3.05	1	2	0.69	<0.2	0.77	4.6	16	0.33
E5722758 (9628040)	3.20	1.99	1.13	6.22	20.1	2.94	2	2	0.69	<0.2	0.76	4.4	16	0.29
E5722759 (9628041)	2.96	1.75	2.23	6.46	18.4	2.67	1	2	0.64	<0.2	0.76	4.4	15	0.26
E5722760 (9628042)	2.95	1.80	0.84	5.49	18.9	2.80	1	2	0.66	<0.2	0.55	4.4	11	0.27
E5722761 (9628043)	3.35	1.98	0.97	4.25	19.8	2.96	1	2	0.71	<0.2	0.89	5.6	19	0.31
E5722762 (9628044)	3.59	2.22	0.99	4.45	20.3	3.64	1	2	0.77	<0.2	1.31	5.5	29	0.35
E5722763 (9628045)	3.56	2.04	1.20	5.01	18.9	4.23	1	2	0.72	<0.2	0.90	15.1	21	0.29
E5722764 (9628046)	3.28	1.55	1.67	9.43	18.7	5.67	2	3	0.59	<0.2	0.39	37.2	28	0.23
E5722765 (9628047)	3.03	1.54	1.70	8.69	18.5	5.66	2	3	0.59	<0.2	0.38	41.1	31	0.21
E5722766 (9628048)	3.05	1.88	0.95	3.28	12.4	3.87	2	5	0.62	0.3	3.32	34.8	14	0.30
E5722767 (9628049)	3.43	1.69	1.83	8.66	18.8	6.10	2	3	0.68	<0.2	0.39	40.4	38	0.24
E5722768 (9628050)	3.47	2.16	1.00	6.91	19.1	3.12	1	2	0.73	<0.2	0.89	6.7	21	0.34
E5722769 (9628051)	4.44	2.84	1.20	10.2	18.8	3.93	2	2	0.97	<0.2	0.83	7.3	17	0.46
E5722770 (9628052)	4.96	3.01	1.61	11.4	20.9	4.18	2	2	1.06	0.2	0.71	9.4	18	0.50
E5722771 (9628053)	2.13	1.16	1.02	4.97	17.7	2.97	1	3	0.45	<0.2	0.68	16.0	13	0.20
E5722772 (9628054)	0.19	0.15	0.06	0.06	0.15	0.22	2	<1	<0.05	<0.2	<0.05	1.0	<10	<0.05
E5722773 (9628055)	1.50	0.78	0.85	2.64	18.9	2.52	<1	3	0.29	<0.2	0.87	14.3	<10	0.11
E5722774 (9628056)	1.45	0.74	0.94	2.89	21.0	2.55	1	3	0.28	<0.2	0.84	15.4	11	0.12

Certified By:



Certificate of Analysis

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TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E5722775 (9628057)	4.61	2.87	1.14	9.43	19.3	4.48	2	2	0.98	<0.2	1.31	13.7	35	0.45	
E5722776 (9628058)	4.20	2.67	1.03	8.14	18.6	3.51	2	2	0.91	<0.2	1.07	5.2	22	0.43	
E5722777 (9628059)	4.08	2.74	0.97	8.42	18.9	3.51	2	2	0.94	<0.2	0.99	4.8	19	0.43	
E5722778 (9628060)	4.12	2.73	0.98	8.18	19.3	3.37	2	2	0.92	<0.2	0.99	4.9	19	0.43	
E5722779 (9628061)	4.49	2.76	0.90	8.88	17.8	4.48	1	2	1.01	<0.2	1.13	7.0	33	0.45	
E5722780 (9628062)	0.21	0.15	<0.05	0.07	0.45	0.22	2	<1	<0.05	<0.2	0.08	1.0	<10	<0.05	
E5722781 (9628063)	3.00	1.87	0.94	3.30	12.1	3.89	2	5	0.63	0.2	3.32	36.2	14	0.31	
E5722782 (9628064)	4.20	2.82	1.05	9.72	20.8	3.52	2	2	0.95	<0.2	0.97	4.9	24	0.44	
E5722783 (9628065)	3.96	2.68	0.98	10.0	19.0	3.44	2	2	0.90	<0.2	0.97	4.8	20	0.42	
E5722784 (9628066)	3.86	2.53	0.94	10.7	18.7	3.37	2	2	0.88	<0.2	0.77	4.7	20	0.43	
E5722785 (9628067)	4.05	2.67	1.06	10.4	18.7	3.51	2	2	0.90	<0.2	0.84	7.7	39	0.42	
E5722786 (9628068)	3.00	1.99	0.96	3.28	12.4	4.25	2	5	0.66	0.2	3.32	38.4	12	0.32	
E5722787 (9628069)	3.87	2.63	0.83	10.6	17.9	3.06	2	2	0.86	<0.2	0.52	4.5	24	0.44	
E5722788 (9628070)	3.74	2.40	0.92	11.0	18.4	3.09	2	2	0.83	<0.2	0.73	4.4	20	0.42	
E5722789 (9628071)	3.68	2.40	0.88	10.5	19.2	2.94	2	2	0.81	<0.2	0.83	4.6	20	0.37	
E5722790 (9628072)	4.43	3.11	1.03	12.2	18.2	3.83	2	2	1.02	<0.2	0.77	6.0	23	0.49	
E5722791 (9628073)	3.97	2.58	0.95	12.5	18.1	3.27	2	2	0.91	<0.2	0.85	5.2	24	0.46	
E5722792 (9628074)	0.21	0.12	<0.05	0.07	0.29	0.23	1	<1	0.05	<0.2	0.07	1.2	<10	<0.05	
E5722793 (9628075)	3.87	2.49	0.92	9.61	18.6	3.25	2	2	0.85	<0.2	1.08	4.6	20	0.40	
E5722794 (9628076)	4.24	2.88	0.98	12.9	18.7	3.47	2	2	0.94	0.2	0.95	6.0	35	0.47	
E5722795 (9628077)	4.31	2.64	1.63	12.0	15.8	4.58	2	2	0.92	0.3	1.47	19.9	40	0.41	
E5722796 (9628078)	0.21	0.13	<0.05	0.07	0.24	0.23	1	<1	<0.05	<0.2	0.06	1.1	<10	<0.05	
E5722797 (9628079)	3.02	1.73	0.88	3.23	12.6	4.32	2	5	0.62	0.2	3.22	35.6	11	0.30	
E5722798 (9628080)	4.40	3.03	1.17	12.9	17.6	3.81	2	2	1.02	0.2	1.26	9.0	39	0.48	
E5722799 (9628081)	4.37	2.88	1.23	13.9	17.4	3.88	2	2	0.96	0.2	1.24	9.8	40	0.47	
E5722800 (9628082)	3.65	2.48	1.03	8.21	19.0	3.25	2	2	0.82	<0.2	0.99	4.2	26	0.41	
E5722801 (9628083)	3.78	2.47	0.96	8.67	19.1	3.49	2	2	0.85	<0.2	1.01	4.6	24	0.42	
E5722802 (9628084)	3.75	2.50	0.94	9.43	19.1	3.21	2	2	0.86	<0.2	1.04	4.3	24	0.43	
E5722803 (9628085)	3.86	2.51	0.93	9.40	18.0	3.21	2	2	0.91	<0.2	0.97	4.5	31	0.42	
E5722804 (9628086)	3.66	2.32	1.17	11.6	18.9	3.20	2	2	0.80	<0.2	2.12	7.4	59	0.37	
E5722805 (9628087)	4.08	2.72	1.05	10.3	20.2	3.69	2	2	0.96	<0.2	1.29	8.5	50	0.46	
E5722806 (9628088)	3.05	1.79	1.03	3.20	11.9	4.09	2	5	0.63	0.2	3.16	36.2	<10	0.32	

Certified By:



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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E5722807 (9628089)	2.77	1.58	0.66	14.8	25.1	3.36	2	3	0.59	0.4	1.68	8.8	120	0.26	
E5722808 (9628090)	3.73	1.86	1.09	12.3	21.1	5.66	2	3	0.72	<0.2	0.67	25.3	100	0.27	
E5722809 (9628091)	0.23	0.15	<0.05	0.09	0.34	0.26	1	<1	0.05	<0.2	0.07	1.1	<10	<0.05	
E5722810 (9628092)	3.09	1.92	0.91	3.16	12.5	4.17	2	5	0.64	0.2	3.16	36.4	12	0.31	
E5722811 (9628093)	4.68	2.34	1.42	7.99	17.5	7.48	1	4	0.85	<0.2	0.72	26.4	50	0.27	
E5722812 (9628094)	4.57	2.09	1.16	9.23	18.4	6.69	2	4	0.83	<0.2	0.19	23.3	41	0.28	
E5722813 (9628095)	3.50	1.74	1.25	11.0	20.2	5.91	1	5	0.67	<0.2	0.35	41.3	52	0.26	
E5722814 (9628096)	3.61	1.87	1.49	10.6	19.7	5.76	1	3	0.75	<0.2	0.22	82.9	40	0.32	
E5722815 (9628097)	3.99	2.61	1.00	9.46	18.1	3.70	1	2	0.88	<0.2	0.31	10.7	34	0.41	
E5722816 (9628098)	2.94	1.79	0.95	6.79	15.3	2.85	1	2	0.62	<0.2	0.58	12.7	29	0.29	
E5722817 (9628099)	3.86	2.69	1.20	7.13	17.0	3.42	1	2	0.88	<0.2	0.49	10.4	28	0.39	
E5722818 (9628100)	3.99	2.53	1.17	7.12	16.7	3.68	1	2	0.85	<0.2	0.50	10.0	29	0.41	
E5722819 (9628101)	4.40	2.80	1.24	9.83	19.4	3.70	2	2	0.95	<0.2	0.72	8.5	41	0.47	
E5722820 (9628102)	3.75	2.41	0.92	10.1	17.8	3.34	1	2	0.88	<0.2	0.48	7.0	43	0.40	
E5722821 (9628103)	3.74	2.50	0.87	9.33	18.5	3.41	1	2	0.86	<0.2	0.82	9.2	46	0.42	
E5722822 (9628104)	4.53	2.91	0.98	11.6	21.0	3.43	2	2	0.99	<0.2	1.11	7.6	55	0.45	

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722743 (9628025)	2.88	1520	4	2	6.0	82	0.03	16	1.30	35.7	0.09	0.4	39	23.6	
E5722744 (9628026)	2.89	1560	3	2	6.7	88	0.03	54	1.43	60.7	0.02	0.6	37	22.9	
E5722745 (9628027)	2.68	1500	2	2	7.9	83	0.04	22	1.68	38.3	0.12	0.4	37	23.6	
E5722746 (9628028)	2.46	450	13	8	28.7	156	0.07	13	8.08	112	1.52	1.7	6	26.3	
E5722747 (9628029)	2.98	1550	2	2	6.9	80	0.03	10	1.48	23.4	0.06	0.4	39	23.7	
E5722748 (9628030)	2.88	1550	2	2	8.4	77	0.04	12	1.77	34.3	0.08	0.6	39	23.9	
E5722749 (9628031)	2.77	1480	2	2	11.1	68	0.03	57	2.46	26.0	0.05	0.3	36	22.3	
E5722750 (9628032)	2.80	2030	<2	1	31.7	63	0.03	116	7.02	4.3	0.05	0.1	28	17.7	
E5722751 (9628033)	3.04	1470	2	2	9.8	67	0.03	12	2.16	22.1	0.06	0.2	36	23.4	
E5722752 (9628034)	1.19	<10	<2	<1	0.7	8	0.01	<5	0.16	0.6	0.03	<0.1	<5	4.17	
E5722753 (9628035)	2.36	1310	<2	2	10.5	54	0.04	13	2.43	20.9	0.06	0.3	36	24.8	
E5722754 (9628036)	1.94	1220	<2	2	23.6	37	0.04	52	5.22	11.7	0.07	0.2	26	21.1	
E5722755 (9628037)	2.18	1100	<2	3	9.9	73	0.05	20	2.26	49.3	0.05	0.2	33	28.3	
E5722756 (9628038)	1.73	951	2	2	7.3	58	0.05	18	1.55	32.6	0.07	0.2	30	28.7	
E5722757 (9628039)	2.25	1550	4	2	7.8	67	0.04	18	1.72	27.0	0.16	0.6	37	26.0	
E5722758 (9628040)	2.18	1460	4	2	7.4	69	0.04	19	1.64	26.6	0.18	0.6	37	26.1	
E5722759 (9628041)	2.21	1540	5	2	7.8	57	0.04	25	1.63	27.4	0.08	0.7	31	26.3	
E5722760 (9628042)	1.90	1440	4	2	7.5	45	0.05	26	1.66	17.8	0.04	0.6	32	26.5	
E5722761 (9628043)	1.61	1100	4	2	8.5	58	0.04	18	1.92	34.0	0.06	0.5	35	27.8	
E5722762 (9628044)	2.04	1190	3	3	9.3	80	0.05	16	2.01	52.2	0.02	0.4	40	26.8	
E5722763 (9628045)	3.07	1010	4	3	19.4	122	0.09	102	4.81	24.7	0.25	0.8	27	27.0	
E5722764 (9628046)	6.68	1790	<2	4	38.7	269	0.17	12	10.3	6.7	<0.01	0.2	22	22.7	
E5722765 (9628047)	6.97	1670	<2	3	41.1	267	0.16	78	10.8	5.5	0.02	0.1	21	22.7	
E5722766 (9628048)	2.54	476	12	8	29.4	155	0.07	14	8.10	111	1.52	1.7	7	27.3	
E5722767 (9628049)	6.19	1650	<2	4	41.8	235	0.16	82	10.9	8.0	0.09	0.4	23	24.0	
E5722768 (9628050)	2.50	1370	3	2	8.7	68	0.05	17	2.07	28.7	0.11	0.4	40	26.4	
E5722769 (9628051)	3.26	2350	5	2	10.9	84	0.04	33	2.46	25.6	0.33	0.8	51	23.4	
E5722770 (9628052)	3.34	2340	<2	2	12.4	79	0.04	57	2.78	18.4	0.24	1.3	57	22.9	
E5722771 (9628053)	1.94	1060	<2	3	15.6	43	0.06	24	4.08	12.0	0.06	0.3	19	28.9	
E5722772 (9628054)	0.98	<10	<2	<1	0.7	<5	<0.01	<5	0.17	0.4	0.03	<0.1	<5	5.97	
E5722773 (9628055)	1.17	586	3	4	15.0	28	0.07	58	3.81	17.1	0.03	0.1	8	32.1	
E5722774 (9628056)	1.33	617	6	4	16.4	44	0.07	31	4.20	16.3	0.02	<0.1	8	31.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722775 (9628057)	2.73	1650	5	2	15.0	137	0.03	172	3.68	66.8	0.52	1.8	55	23.3	
E5722776 (9628058)	2.22	1670	5	2	8.3	144	0.03	22	1.86	36.7	0.22	1.3	52	24.0	
E5722777 (9628059)	2.09	1910	6	2	8.4	138	0.03	20	1.83	35.0	0.14	1.8	51	24.5	
E5722778 (9628060)	2.07	1840	5	2	8.6	137	0.03	21	1.81	35.8	0.12	2.0	49	24.3	
E5722779 (9628061)	2.51	1750	5	2	11.7	158	0.03	373	2.55	30.3	0.15	3.8	52	23.7	
E5722780 (9628062)	1.26	<10	<2	<1	0.8	<5	0.01	<5	0.17	1.4	0.05	<0.1	<5	5.44	
E5722781 (9628063)	2.57	476	12	8	29.3	167	0.07	14	8.37	111	1.55	1.6	7	28.9	
E5722782 (9628064)	2.31	2030	6	2	8.6	146	0.04	15	1.85	38.2	0.21	1.7	48	23.2	
E5722783 (9628065)	2.28	2110	7	2	8.4	131	0.03	21	1.76	35.9	0.24	1.2	47	24.1	
E5722784 (9628066)	2.63	2410	4	2	8.0	136	0.03	7	1.70	23.5	0.17	0.8	46	22.6	
E5722785 (9628067)	3.23	1820	9	2	10.0	113	0.04	367	2.15	20.5	0.12	1.7	48	23.2	
E5722786 (9628068)	2.56	474	13	8	31.8	167	0.07	15	8.95	112	1.55	1.7	7	28.0	
E5722787 (9628069)	2.98	2140	12	2	7.1	122	0.03	105	1.56	15.6	0.15	1.2	46	23.7	
E5722788 (9628070)	2.77	2300	8	2	7.6	123	0.03	20	1.62	21.5	0.17	1.5	47	24.0	
E5722789 (9628071)	2.46	2430	8	2	8.0	125	0.04	13	1.69	24.6	0.15	0.7	44	24.6	
E5722790 (9628072)	3.04	3200	8	2	9.2	143	0.04	30	1.97	23.5	0.13	1.1	58	23.2	
E5722791 (9628073)	2.82	2860	7	2	8.3	131	0.04	25	1.81	24.5	0.53	2.6	48	22.6	
E5722792 (9628074)	1.11	<10	<2	<1	0.8	<5	<0.01	<5	0.20	1.1	<0.01	<0.1	<5	5.25	
E5722793 (9628075)	2.28	2290	8	2	7.8	126	0.04	<5	1.71	32.8	0.05	0.6	44	24.0	
E5722794 (9628076)	2.85	2450	16	2	8.6	121	0.03	506	1.90	37.1	1.25	3.0	44	21.1	
E5722795 (9628077)	2.87	1990	14	2	16.0	77	0.03	86	4.06	64.9	1.17	1.7	34	20.6	
E5722796 (9628078)	1.12	13	<2	<1	0.8	<5	<0.01	<5	0.19	0.6	0.05	<0.1	<5	4.34	
E5722797 (9628079)	2.53	463	13	8	29.4	162	0.07	11	8.22	113	1.52	1.7	7	27.3	
E5722798 (9628080)	2.95	2170	13	2	9.9	112	0.03	75	2.27	82.5	0.78	3.8	41	21.3	
E5722799 (9628081)	3.24	2260	14	2	11.0	112	0.03	120	2.53	96.4	1.12	4.8	41	19.3	
E5722800 (9628082)	2.35	1890	4	2	7.9	95	0.04	19	1.59	41.4	0.21	1.2	42	24.5	
E5722801 (9628083)	2.39	1990	4	2	8.1	97	0.04	7	1.76	41.0	0.10	1.2	46	23.8	
E5722802 (9628084)	2.63	2110	4	2	7.9	105	0.04	24	1.60	43.1	0.36	1.1	44	23.5	
E5722803 (9628085)	2.88	1950	22	2	7.5	90	0.04	47	1.60	40.7	0.08	1.1	43	22.5	
E5722804 (9628086)	2.78	1710	35	2	8.5	92	0.03	62	2.00	170	0.48	4.4	38	23.3	
E5722805 (9628087)	3.42	2180	28	2	9.8	88	0.04	32	2.34	71.0	0.06	1.3	45	22.4	
E5722806 (9628088)	2.52	460	12	8	29.8	156	0.07	12	8.44	109	1.46	1.5	7	27.6	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722807 (9628089)	9.79	2310	9	3	12.0	469	0.18	825	2.88	104	0.45	2.3	30	14.3	
E5722808 (9628090)	7.69	2600	27	3	27.6	375	0.16	387	7.03	20.3	0.13	2.2	28	13.1	
E5722809 (9628091)	1.08	11	<2	<1	0.9	<5	<0.01	<5	0.21	0.5	0.05	<0.1	<5	4.24	
E5722810 (9628092)	2.51	452	12	8	29.9	156	0.07	11	8.66	111	1.48	1.7	7	27.0	
E5722811 (9628093)	5.15	1900	7	7	35.0	188	0.21	433	8.32	16.2	0.14	2.0	22	19.6	
E5722812 (9628094)	5.52	2250	15	7	31.8	220	0.24	11	7.40	3.9	0.01	1.4	24	20.1	
E5722813 (9628095)	5.39	2040	24	7	36.9	171	0.24	33	10.0	10.2	0.11	2.0	22	19.3	
E5722814 (9628096)	5.12	2150	3	4	48.0	145	0.17	28	14.3	4.2	0.09	1.0	28	21.5	
E5722815 (9628097)	4.04	2000	2	2	12.6	134	0.04	44	3.01	8.0	0.41	2.8	45	21.8	
E5722816 (9628098)	3.26	1630	12	2	10.9	80	0.04	57	2.87	11.5	0.12	1.4	35	23.3	
E5722817 (9628099)	3.00	1690	17	2	11.0	84	0.04	10	2.63	16.9	0.02	0.5	43	23.7	
E5722818 (9628100)	2.94	1700	17	2	10.9	80	0.04	9	2.60	17.6	0.01	0.5	43	24.2	
E5722819 (9628101)	3.80	2370	<2	2	10.7	94	0.04	11	2.52	35.5	<0.01	0.7	47	21.8	
E5722820 (9628102)	4.25	2710	<2	2	9.4	120	0.04	65	2.19	17.0	0.13	0.8	45	21.6	
E5722821 (9628103)	3.46	2720	49	2	10.7	103	0.04	114	2.72	22.7	0.05	1.0	41	21.2	
E5722822 (9628104)	3.74	3140	60	2	9.6	114	0.05	280	2.31	41.0	0.84	3.2	49	19.6	

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Oct 30, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E5722743 (9628025)	1.8	<1	169	<0.5	0.42	0.5	0.64	<0.5	0.25	0.13	318	2	16.9	1.6
E5722744 (9628026)	2.0	<1	169	<0.5	0.43	0.5	0.69	<0.5	0.25	0.16	337	2	16.2	1.6
E5722745 (9628027)	2.4	<1	146	<0.5	0.59	0.6	0.69	<0.5	0.28	0.15	337	1	19.4	1.9
E5722746 (9628028)	5.1	<1	25.5	<0.5	0.59	10.8	0.24	0.7	0.29	6.75	60	4	19.8	1.9
E5722747 (9628029)	2.2	<1	134	<0.5	0.47	0.7	0.65	<0.5	0.27	0.13	362	2	17.2	1.5
E5722748 (9628030)	2.7	<1	172	<0.5	0.58	0.6	0.70	<0.5	0.32	0.18	377	1	20.1	2.0
E5722749 (9628031)	3.4	<1	111	<0.5	0.65	0.5	0.65	<0.5	0.27	0.25	369	1	20.5	1.7
E5722750 (9628032)	10.2	<1	76.2	<0.5	1.49	0.4	0.52	<0.5	0.38	0.78	293	1	41.8	2.4
E5722751 (9628033)	3.2	<1	35.6	<0.5	0.61	0.6	0.72	<0.5	0.35	0.73	369	1	20.5	2.2
E5722752 (9628034)	0.1	<1	60.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.08	<5	<1	2.1	0.1
E5722753 (9628035)	3.1	<1	53.2	<0.5	0.67	0.6	0.73	<0.5	0.35	0.41	304	1	22.8	2.1
E5722754 (9628036)	7.0	2	50.5	<0.5	1.13	0.5	0.58	<0.5	0.34	0.53	217	1	31.5	2.1
E5722755 (9628037)	2.8	<1	113	<0.5	0.56	0.6	0.78	<0.5	0.30	0.20	301	<1	19.6	1.7
E5722756 (9628038)	2.1	<1	94.8	<0.5	0.50	0.5	0.74	<0.5	0.24	0.15	295	<1	15.7	1.5
E5722757 (9628039)	2.4	<1	162	<0.5	0.51	0.5	0.69	<0.5	0.31	0.14	369	<1	19.5	1.9
E5722758 (9628040)	2.4	3	157	<0.5	0.54	0.6	0.70	<0.5	0.30	0.15	341	<1	18.9	1.8
E5722759 (9628041)	2.3	<1	166	<0.5	0.48	0.5	0.67	<0.5	0.27	0.13	273	<1	17.2	1.6
E5722760 (9628042)	2.1	<1	163	<0.5	0.48	0.6	0.69	<0.5	0.27	0.15	272	<1	17.9	1.7
E5722761 (9628043)	2.5	<1	156	<0.5	0.56	0.6	0.73	<0.5	0.30	0.15	271	1	19.4	1.8
E5722762 (9628044)	2.8	<1	183	<0.5	0.60	0.6	0.76	<0.5	0.33	0.16	290	2	20.8	2.1
E5722763 (9628045)	4.2	<1	174	<0.5	0.61	2.6	0.65	<0.5	0.29	0.59	237	1	19.5	1.7
E5722764 (9628046)	7.2	<1	327	<0.5	0.74	6.0	0.47	<0.5	0.20	1.21	170	<1	17.9	1.4
E5722765 (9628047)	6.9	<1	333	<0.5	0.72	5.8	0.46	<0.5	0.22	1.20	166	<1	17.1	1.3
E5722766 (9628048)	5.2	<1	25.9	0.7	0.61	11.1	0.25	0.7	0.30	6.95	55	5	19.5	1.9
E5722767 (9628049)	7.5	<1	413	<0.5	0.80	6.1	0.50	<0.5	0.24	1.32	179	<1	19.7	1.4
E5722768 (9628050)	2.4	<1	165	<0.5	0.55	0.7	0.70	<0.5	0.33	0.20	302	1	19.4	2.0
E5722769 (9628051)	3.2	<1	197	<0.5	0.75	0.5	0.62	<0.5	0.43	0.18	315	2	26.1	2.7
E5722770 (9628052)	3.5	<1	305	<0.5	0.83	0.5	0.60	<0.5	0.46	0.27	336	2	29.1	3.0
E5722771 (9628053)	3.3	<1	163	<0.5	0.40	2.0	0.31	<0.5	0.18	1.10	122	<1	12.9	1.2
E5722772 (9628054)	0.1	<1	56.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.1	0.1
E5722773 (9628055)	3.2	<1	281	<0.5	0.34	2.5	0.21	<0.5	0.11	1.40	59	<1	8.6	0.7
E5722774 (9628056)	2.9	<1	651	<0.5	0.34	2.5	0.22	<0.5	0.10	1.40	64	<1	8.2	0.6

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E5722775 (9628057)	3.8	<1	133	<0.5	0.74	0.6	0.65	<0.5	0.46	0.33	355	1	27.2	2.9	
E5722776 (9628058)	2.8	<1	157	<0.5	0.66	0.6	0.65	<0.5	0.40	0.21	343	2	25.1	2.6	
E5722777 (9628059)	2.7	<1	196	<0.5	0.67	0.6	0.67	<0.5	0.41	0.17	345	3	25.7	2.6	
E5722778 (9628060)	2.7	<1	203	<0.5	0.63	0.5	0.65	<0.5	0.42	0.19	335	2	25.6	2.7	
E5722779 (9628061)	3.7	<1	99.4	<0.5	0.82	0.4	0.64	<0.5	0.44	0.27	323	2	29.4	2.7	
E5722780 (9628062)	0.2	<1	56.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.22	<5	<1	2.3	0.1	
E5722781 (9628063)	5.3	<1	26.5	0.7	0.60	10.6	0.25	0.7	0.29	6.67	58	4	19.3	1.8	
E5722782 (9628064)	2.6	<1	149	<0.5	0.69	0.7	0.66	<0.5	0.45	0.20	353	2	27.0	2.7	
E5722783 (9628065)	2.4	<1	150	<0.5	0.67	0.6	0.62	<0.5	0.42	0.17	332	2	24.9	2.7	
E5722784 (9628066)	2.5	<1	126	<0.5	0.59	0.5	0.64	<0.5	0.41	0.20	322	2	24.2	2.5	
E5722785 (9628067)	2.9	<1	130	<0.5	0.65	0.5	0.66	<0.5	0.39	0.37	332	3	25.5	2.6	
E5722786 (9628068)	5.7	<1	26.0	0.7	0.62	11.1	0.25	0.7	0.32	6.95	59	4	19.7	1.9	
E5722787 (9628069)	2.4	<1	118	<0.5	0.58	0.6	0.62	<0.5	0.38	0.25	311	2	24.1	2.5	
E5722788 (9628070)	2.3	<1	140	<0.5	0.56	0.5	0.62	<0.5	0.36	0.17	335	2	24.4	2.4	
E5722789 (9628071)	2.3	<1	169	<0.5	0.58	0.5	0.64	<0.5	0.36	0.16	319	3	22.9	2.4	
E5722790 (9628072)	2.7	<1	160	<0.5	0.72	0.5	0.61	<0.5	0.46	0.15	344	2	27.9	3.1	
E5722791 (9628073)	2.6	3	153	<0.5	0.62	0.6	0.61	<0.5	0.41	0.17	314	1	26.0	2.7	
E5722792 (9628074)	0.1	2	58.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.13	<5	<1	2.2	0.1	
E5722793 (9628075)	2.4	<1	149	<0.5	0.61	0.5	0.63	<0.5	0.39	0.15	320	2	24.5	2.6	
E5722794 (9628076)	2.6	2	157	<0.5	0.63	0.5	0.56	<0.5	0.43	0.20	307	1	26.3	2.9	
E5722795 (9628077)	4.1	3	38.8	<0.5	0.76	1.0	0.36	<0.5	0.43	0.47	226	<1	28.6	2.6	
E5722796 (9628078)	0.1	4	59.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.09	<5	<1	2.3	0.1	
E5722797 (9628079)	5.2	3	24.9	0.7	0.59	10.9	0.24	0.7	0.29	6.81	60	4	19.8	1.8	
E5722798 (9628080)	2.9	<1	110	<0.5	0.71	1.1	0.52	0.6	0.45	0.35	280	2	29.5	3.0	
E5722799 (9628081)	2.8	3	110	<0.5	0.65	0.8	0.51	0.7	0.44	0.41	256	1	29.4	2.8	
E5722800 (9628082)	2.3	3	144	<0.5	0.60	0.5	0.68	<0.5	0.37	0.18	312	1	22.8	2.3	
E5722801 (9628083)	2.7	3	162	<0.5	0.61	0.4	0.69	<0.5	0.39	0.15	331	2	24.7	2.5	
E5722802 (9628084)	2.5	1	147	<0.5	0.56	0.4	0.67	<0.5	0.40	0.15	317	2	23.9	2.7	
E5722803 (9628085)	2.3	1	121	<0.5	0.58	0.4	0.62	<0.5	0.40	0.22	302	2	24.6	2.5	
E5722804 (9628086)	2.5	2	126	<0.5	0.58	0.4	0.56	1.3	0.38	0.24	300	2	22.3	2.4	
E5722805 (9628087)	2.9	7	130	<0.5	0.71	0.5	0.70	<0.5	0.43	0.21	328	4	26.8	2.7	
E5722806 (9628088)	5.2	<1	24.2	0.6	0.61	10.8	0.24	0.7	0.28	6.79	60	4	18.7	1.9	

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AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Oct 30, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E5722807 (9628089)	3.1	<1	12.4	<0.5	0.48	3.1	0.38	0.6	0.23	0.89	207	<1	18.4	1.6	
E5722808 (9628090)	5.8	1	38.5	<0.5	0.77	2.9	0.44	<0.5	0.26	1.73	189	<1	22.5	1.8	
E5722809 (9628091)	0.2	1	57.3	<0.5	<0.05	<0.1	0.01	<0.5	<0.05	0.12	<5	<1	2.6	0.1	
E5722810 (9628092)	5.5	3	24.5	0.6	0.58	11.0	0.24	0.7	0.30	6.91	61	4	19.3	1.8	
E5722811 (9628093)	8.0	5	38.0	<0.5	0.98	4.3	0.76	<0.5	0.30	1.14	185	1	26.0	1.8	
E5722812 (9628094)	7.1	<1	48.5	<0.5	0.93	3.0	0.79	<0.5	0.30	0.94	193	<1	25.6	1.8	
E5722813 (9628095)	7.0	<1	54.2	<0.5	0.74	7.3	0.73	<0.5	0.24	1.30	196	<1	21.0	1.5	
E5722814 (9628096)	7.1	2	58.2	<0.5	0.77	5.9	0.60	<0.5	0.29	0.91	219	<1	21.1	1.9	
E5722815 (9628097)	3.1	2	39.8	<0.5	0.63	0.7	0.61	<0.5	0.38	0.49	316	<1	23.2	2.5	
E5722816 (9628098)	2.4	3	43.1	<0.5	0.46	0.5	0.53	<0.5	0.29	0.53	242	<1	18.0	1.9	
E5722817 (9628099)	2.8	5	100	<0.5	0.65	0.5	0.67	<0.5	0.38	0.56	312	2	24.6	2.4	
E5722818 (9628100)	2.9	4	104	<0.5	0.65	0.4	0.69	<0.5	0.39	0.57	315	2	24.8	2.5	
E5722819 (9628101)	3.0	2	103	<0.5	0.66	0.4	0.66	<0.5	0.43	0.51	319	<1	25.8	2.7	
E5722820 (9628102)	2.7	2	67.6	<0.5	0.63	0.5	0.63	<0.5	0.37	0.37	298	<1	24.3	2.5	
E5722821 (9628103)	2.8	2	121	<0.5	0.66	0.5	0.61	<0.5	0.38	0.46	294	<1	23.9	2.3	
E5722822 (9628104)	2.8	<1	146	<0.5	0.71	0.4	0.72	<0.5	0.44	0.32	342	<1	27.2	3.0	

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AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

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 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Oct 30, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E5722743 (9628025)		93	59.4
E5722744 (9628026)		113	60.8
E5722745 (9628027)		102	66.2
E5722746 (9628028)		<5	178
E5722747 (9628029)		101	59.8
E5722748 (9628030)		83	66.9
E5722749 (9628031)		77	57.9
E5722750 (9628032)		107	50.3
E5722751 (9628033)		89	74.0
E5722752 (9628034)		<5	1.9
E5722753 (9628035)		79	71.9
E5722754 (9628036)		1000	60.0
E5722755 (9628037)		56	80.3
E5722756 (9628038)		91	74.9
E5722757 (9628039)		74	70.8
E5722758 (9628040)		71	70.4
E5722759 (9628041)		76	66.0
E5722760 (9628042)		86	68.8
E5722761 (9628043)		66	77.8
E5722762 (9628044)		66	80.5
E5722763 (9628045)		189	92.4
E5722764 (9628046)		138	117
E5722765 (9628047)		307	117
E5722766 (9628048)		5	174
E5722767 (9628049)		308	125
E5722768 (9628050)		301	73.2
E5722769 (9628051)		268	66.8
E5722770 (9628052)		257	68.6
E5722771 (9628053)		394	97.0
E5722772 (9628054)		<5	1.1
E5722773 (9628055)		156	112
E5722774 (9628056)		109	107

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ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Oct 30, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E5722775 (9628057)		134	68.2
E5722776 (9628058)		71	68.4
E5722777 (9628059)		84	70.0
E5722778 (9628060)		77	68.2
E5722779 (9628061)		155	63.4
E5722780 (9628062)		<5	2.4
E5722781 (9628063)		7	173
E5722782 (9628064)		84	71.8
E5722783 (9628065)		148	65.9
E5722784 (9628066)		93	64.3
E5722785 (9628067)		304	68.2
E5722786 (9628068)		5	176
E5722787 (9628069)		312	63.2
E5722788 (9628070)		109	65.0
E5722789 (9628071)		105	63.9
E5722790 (9628072)		163	64.7
E5722791 (9628073)		113	64.4
E5722792 (9628074)		<5	1.6
E5722793 (9628075)		85	68.1
E5722794 (9628076)		1560	61.4
E5722795 (9628077)		799	71.6
E5722796 (9628078)		<5	1.8
E5722797 (9628079)		5	179
E5722798 (9628080)		461	81.7
E5722799 (9628081)		602	74.3
E5722800 (9628082)		90	66.3
E5722801 (9628083)		88	67.2
E5722802 (9628084)		110	66.7
E5722803 (9628085)		120	60.5
E5722804 (9628086)		175	54.4
E5722805 (9628087)		231	68.3
E5722806 (9628088)		6	171

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AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

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 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Oct 30, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E5722807 (9628089)		1230	100
E5722808 (9628090)		249	97.8
E5722809 (9628091)		<5	2.5
E5722810 (9628092)		5	177
E5722811 (9628093)		185	158
E5722812 (9628094)		138	156
E5722813 (9628095)		183	189
E5722814 (9628096)		190	122
E5722815 (9628097)		185	66.8
E5722816 (9628098)		237	57.7
E5722817 (9628099)		123	74.3
E5722818 (9628100)		119	76.9
E5722819 (9628101)		183	66.5
E5722820 (9628102)		259	62.1
E5722821 (9628103)		413	61.1
E5722822 (9628104)		1090	73.0

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Oct 30, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E5722744 (9628026)		84
E5722749 (9628031)		87
E5722758 (9628040)		84
E5722762 (9628044)		86
E5722774 (9628056)		81
E5722782 (9628064)		83
E5722791 (9628073)		84
E5722802 (9628084)		81
E5722812 (9628094)		95
E5722822 (9628104)		92

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9628025	< 1	< 1	0.0%	9628036	< 1	< 1	0.0%	9628049	< 1	< 1	0.0%	9628050	< 1	< 1	0.0%
Al	9628025	7.84	7.94	1.3%	9628036	7.25	7.37	1.6%	9628049	6.75	6.83	1.2%	9628050	8.51	8.57	0.7%
As	9628025	20	17	16.2%	9628036	8	7	13.3%	9628049	11	10	9.5%	9628050	17	19	11.1%
B	9628025	< 20	< 20	0.0%	9628036	< 20	< 20	0.0%	9628049	< 20	< 20	0.0%	9628050	< 20	< 20	0.0%
Ba	9628025	237	240	1.3%	9628036	71.6	75.3	5.0%	9628049	248	248	0.0%	9628050	309	306	1.0%
Be	9628025	< 5	< 5	0.0%	9628036	< 5	< 5	0.0%	9628049	< 5	< 5	0.0%	9628050	< 5	< 5	0.0%
Bi	9628025	0.1	0.1	0.0%	9628036	0.16	0.12	28.6%	9628049	0.3	0.1		9628050	0.4	0.4	0.0%
Ca	9628025	7.77	6.68	15.1%	9628036	10.4	10.5	1.0%	9628049	5.13	5.16	0.6%	9628050	3.78	3.75	0.8%
Cd	9628025	< 0.2	< 0.2	0.0%	9628036	3.6	3.4	5.7%	9628049	0.8	0.8	0.0%	9628050	1.06	0.98	7.8%
Ce	9628025	9.11	9.17	0.7%	9628036	35.6	34.5	3.1%	9628049	88.5	83.3	6.1%	9628050	15.1	14.8	2.0%
Co	9628025	44.9	44.9	0.0%	9628036	16.6	15.7	5.6%	9628049	40.8	39.2	4.0%	9628050	34.6	35.4	2.3%
Cr	9628025	0.025	0.025	0.0%	9628036	0.018	0.019	5.4%	9628049	0.038	0.038	0.0%	9628050	0.0238	0.0233	2.1%
Cs	9628025	2.44	2.52	3.2%	9628036	0.8	0.8	0.0%	9628049	0.6	0.6	0.0%	9628050	1.2	1.2	0.0%
Cu	9628025	69	69	0.0%	9628036	95	99	4.1%	9628049	34	33	3.0%	9628050	56	54	3.6%
Dy	9628025	2.60	2.77	6.3%	9628036	5.48	5.14	6.4%	9628049	3.43	3.29	4.2%	9628050	3.47	3.25	6.5%
Er	9628025	1.63	1.64	0.6%	9628036	2.55	2.61	2.3%	9628049	1.69	1.72	1.8%	9628050	2.16	2.03	6.2%
Eu	9628025	0.690	0.613	11.8%	9628036	1.37	1.35	1.5%	9628049	1.83	1.68	8.5%	9628050	1.00	1.02	2.0%
Fe	9628025	7.16	7.29	1.8%	9628036	4.21	4.25	0.9%	9628049	8.66	8.76	1.1%	9628050	6.91	6.93	0.3%
Ga	9628025	18.5	19.0	2.7%	9628036	16.9	15.8	6.7%	9628049	18.8	17.8	5.5%	9628050	19.1	18.9	1.1%
Gd	9628025	2.38	2.44	2.5%	9628036	7.52	7.38	1.9%	9628049	6.10	5.85	4.2%	9628050	3.12	2.97	4.9%
Ge	9628025	2	2	0.0%	9628036	1	1	0.0%	9628049	2	2	0.0%	9628050	1	1	0.0%
Hf	9628025	2	2	0.0%	9628036	2	2	0.0%	9628049	3	3	0.0%	9628050	2	2	0.0%
Ho	9628025	0.609	0.575	5.7%	9628036	0.952	0.982	3.1%	9628049	0.678	0.641	5.6%	9628050	0.727	0.684	6.1%
In	9628025	< 0.2	< 0.2	0.0%	9628036	0.25	0.26	3.9%	9628049	< 0.2	< 0.2	0.0%	9628050	< 0.2	< 0.2	0.0%
K	9628025	0.80	0.82	2.5%	9628036	0.53	0.54	1.9%	9628049	0.394	0.396	0.5%	9628050	0.89	0.88	1.1%
La	9628025	3.6	3.6	0.0%	9628036	13.5	12.8	5.3%	9628049	40.4	37.9	6.4%	9628050	6.7	6.4	4.6%
Li	9628025	15	17	12.5%	9628036	19	19	0.0%	9628049	38	38	0.0%	9628050	21	19	10.0%
Lu	9628025	0.262	0.271	3.4%	9628036	0.339	0.322	5.1%	9628049	0.243	0.234	3.8%	9628050	0.34	0.31	9.2%
Mg	9628025	2.88	2.86	0.7%	9628036	1.94	2.02	4.0%	9628049	6.19	6.34	2.4%	9628050	2.50	2.53	1.2%
Mn	9628025	1520	1540	1.3%	9628036	1220	1230	0.8%	9628049	1650	1680	1.8%	9628050	1370	1360	0.7%
Mo	9628025	4	4	0.0%	9628036	< 2	< 2	0.0%	9628049	< 2	< 2	0.0%	9628050	3	3	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Nb	9628025	2	2	0.0%	9628036	2	2	0.0%	9628049	4	4	0.0%	9628050	2	2	0.0%
Nd	9628025	6.05	6.13	1.3%	9628036	23.6	23.1	2.1%	9628049	41.8	39.8	4.9%	9628050	8.70	8.65	0.6%
Ni	9628025	82	88	7.1%	9628036	37	41	10.3%	9628049	235	235	0.0%	9628050	68	65	4.5%
P	9628025	0.03	0.03	0.0%	9628036	0.04	0.04	0.0%	9628049	0.16	0.16	0.0%	9628050	0.045	0.043	4.5%
Pb	9628025	16	16	0.0%	9628036	52	51	1.9%	9628049	82	79	3.7%	9628050	17	18	5.7%
Pr	9628025	1.30	1.30	0.0%	9628036	5.22	5.16	1.2%	9628049	10.9	10.3	5.7%	9628050	2.07	1.96	5.5%
Rb	9628025	35.7	36.1	1.1%	9628036	11.7	11.2	4.4%	9628049	8.00	7.33	8.7%	9628050	28.7	29.1	1.4%
S	9628025	0.088	0.081	8.3%	9628036	0.074	0.089	18.4%	9628049	0.09	0.09	0.0%	9628050	0.11	0.12	8.7%
Sb	9628025	0.4	0.4	0.0%	9628036	0.2	0.3		9628049	0.4	0.4	0.0%	9628050	0.37	0.33	11.4%
Sc	9628025	39	39	0.0%	9628036	26	27	3.8%	9628049	23	23	0.0%	9628050	40	40	0.0%
Si	9628025	23.6	23.8	0.8%	9628036	21.1	21.2	0.5%	9628049	24.0	24.2	0.8%	9628050	26.4	26.3	0.4%
Sm	9628025	1.82	1.90	4.3%	9628036	7.0	6.7	4.4%	9628049	7.5	7.1	5.5%	9628050	2.44	2.34	4.2%
Sn	9628025	< 1	< 1	0.0%	9628036	2	< 1		9628049	< 1	< 1	0.0%	9628050	< 1	< 1	0.0%
Sr	9628025	169	168	0.6%	9628036	50.5	51.8	2.5%	9628049	413	414	0.2%	9628050	165	163	1.2%
Ta	9628025	< 0.5	< 0.5	0.0%	9628036	< 0.5	< 0.5	0.0%	9628049	< 0.5	< 0.5	0.0%	9628050	< 0.5	< 0.5	0.0%
Tb	9628025	0.419	0.426	1.7%	9628036	1.13	1.06	6.4%	9628049	0.797	0.770	3.4%	9628050	0.55	0.54	1.8%
Th	9628025	0.5	0.5	0.0%	9628036	0.46	0.42	9.1%	9628049	6.06	5.93	2.2%	9628050	0.7	0.6	15.4%
Ti	9628025	0.644	0.653	1.4%	9628036	0.58	0.58	0.0%	9628049	0.501	0.511	2.0%	9628050	0.698	0.693	0.7%
Tl	9628025	< 0.5	< 0.5	0.0%	9628036	< 0.5	< 0.5	0.0%	9628049	< 0.5	< 0.5	0.0%	9628050	< 0.5	< 0.5	0.0%
Tm	9628025	0.25	0.26	3.9%	9628036	0.34	0.35	2.9%	9628049	0.24	0.23	4.3%	9628050	0.33	0.30	9.5%
U	9628025	0.126	0.122	3.2%	9628036	0.526	0.502	4.7%	9628049	1.32	1.28	3.1%	9628050	0.197	0.184	6.8%
V	9628025	318	337	5.8%	9628036	217	218	0.5%	9628049	179	178	0.6%	9628050	302	294	2.7%
W	9628025	2	2	0.0%	9628036	1	1	0.0%	9628049	< 1	< 1	0.0%	9628050	1	1	0.0%
Y	9628025	16.9	16.8	0.6%	9628036	31.5	30.0	4.9%	9628049	19.7	18.9	4.1%	9628050	19.4	19.6	1.0%
Yb	9628025	1.6	1.6	0.0%	9628036	2.09	2.03	2.9%	9628049	1.42	1.46	2.8%	9628050	2.0	1.9	5.1%
Zn	9628025	93	98	5.2%	9628036	1000	1030	3.0%	9628049	308	301	2.3%	9628050	301	295	2.0%
Zr	9628025	59.4	57.6	3.1%	9628036	60.0	56.4	6.2%	9628049	125	119	4.9%	9628050	73.2	72.2	1.4%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9628060	< 1	< 1	0.0%	9628072	< 1	< 1	0.0%	9628075	< 1	< 1	0.0%	9628084	< 1	< 1	0.0%
Al	9628060	8.45	8.63	2.1%	9628072	7.85	7.92	0.9%	9628075	8.34	8.31	0.4%	9628084	8.30	8.28	0.2%
As	9628060	19	17	11.1%	9628072	< 5	< 5	0.0%	9628075	< 5	20		9628084	< 5	37	
B	9628060	26	27	3.8%	9628072	55	56	1.8%	9628075	25	28	11.3%	9628084	45	43	4.5%
Ba	9628060	370	373	0.8%	9628072	199	206	3.5%	9628075	330	328	0.6%	9628084	222	216	2.7%



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Be	9628060	< 5	< 5	0.0%	9628072	< 5	< 5	0.0%	9628075	< 5	< 5	0.0%	9628084	< 5	< 5	0.0%
Bi	9628060	0.1	0.1	0.0%	9628072	0.1	0.1	0.0%	9628075	< 0.1	< 0.1	0.0%	9628084	0.3	0.3	0.0%
Ca	9628060	6.79	7.02	3.3%	9628072	7.79	7.80	0.1%	9628075	6.79	6.74	0.7%	9628084	6.17	6.04	2.1%
Cd	9628060	< 0.2	< 0.2	0.0%	9628072	< 0.2	< 0.2	0.0%	9628075	< 0.2	< 0.2	0.0%	9628084	< 0.2	< 0.2	0.0%
Ce	9628060	12.3	12.1	1.6%	9628072	13.6	14.1	3.6%	9628075	11.6	11.2	3.5%	9628084	10.8	10.2	5.7%
Co	9628060	67.8	66.3	2.2%	9628072	57.4	58.2	1.4%	9628075	54.3	53.8	0.9%	9628084	56.8	57.6	1.4%
Cr	9628060	0.0284	0.0289	1.7%	9628072	0.025	0.025	0.0%	9628075	0.028	0.028	0.0%	9628084	0.0217	0.0210	3.3%
Cs	9628060	0.90	0.84	6.9%	9628072	0.73	0.79	7.9%	9628075	0.9	0.8	11.8%	9628084	1.2	1.2	0.0%
Cu	9628060	58	57	1.7%	9628072	76	79	3.9%	9628075	35	34	2.9%	9628084	163	159	2.5%
Dy	9628060	4.12	4.05	1.7%	9628072	4.43	4.46	0.7%	9628075	3.87	3.64	6.1%	9628084	3.75	3.62	3.5%
Er	9628060	2.73	2.55	6.8%	9628072	3.11	2.99	3.9%	9628075	2.49	2.49	0.0%	9628084	2.50	2.44	2.4%
Eu	9628060	0.98	1.00	2.0%	9628072	1.03	1.04	1.0%	9628075	0.92	0.92	0.0%	9628084	0.935	0.921	1.5%
Fe	9628060	8.18	8.47	3.5%	9628072	12.2	12.2	0.0%	9628075	9.61	9.62	0.1%	9628084	9.43	9.26	1.8%
Ga	9628060	19.3	19.0	1.6%	9628072	18.2	18.5	1.6%	9628075	18.6	18.7	0.5%	9628084	19.1	19.7	3.1%
Gd	9628060	3.37	3.46	2.6%	9628072	3.83	3.74	2.4%	9628075	3.25	3.24	0.3%	9628084	3.21	3.01	6.4%
Ge	9628060	2	2	0.0%	9628072	2	2	0.0%	9628075	2	2	0.0%	9628084	2	1	
Hf	9628060	2	2	0.0%	9628072	2	2	0.0%	9628075	2	2	0.0%	9628084	2	2	0.0%
Ho	9628060	0.92	0.92	0.0%	9628072	1.02	1.02	0.0%	9628075	0.845	0.804	5.0%	9628084	0.86	0.85	1.2%
In	9628060	< 0.2	< 0.2	0.0%	9628072	< 0.2	< 0.2	0.0%	9628075	< 0.2	< 0.2	0.0%	9628084	< 0.2	< 0.2	0.0%
K	9628060	0.99	1.01	2.0%	9628072	0.77	0.77	0.0%	9628075	1.08	1.07	0.9%	9628084	1.04	1.04	0.0%
La	9628060	4.9	4.8	2.1%	9628072	6.0	6.1	1.7%	9628075	4.6	4.5	2.2%	9628084	4.3	4.0	7.2%
Li	9628060	19	19	0.0%	9628072	23	25	8.3%	9628075	20	20	0.0%	9628084	24	25	4.1%
Lu	9628060	0.427	0.419	1.9%	9628072	0.49	0.49	0.0%	9628075	0.40	0.37	7.8%	9628084	0.431	0.414	4.0%
Mg	9628060	2.07	2.01	2.9%	9628072	3.04	3.06	0.7%	9628075	2.28	2.30	0.9%	9628084	2.63	2.64	0.4%
Mn	9628060	1840	1870	1.6%	9628072	3200	3210	0.3%	9628075	2290	2290	0.0%	9628084	2110	2080	1.4%
Mo	9628060	5	5	0.0%	9628072	8	9	11.8%	9628075	8	7	13.3%	9628084	4	4	0.0%
Nb	9628060	2	2	0.0%	9628072	2	2	0.0%	9628075	2	2	0.0%	9628084	2	2	0.0%
Nd	9628060	8.60	8.13	5.6%	9628072	9.17	9.15	0.2%	9628075	7.8	7.8	0.0%	9628084	7.89	7.24	8.6%
Ni	9628060	137	137	0.0%	9628072	143	129	10.3%	9628075	126	129	2.4%	9628084	105	102	2.9%
P	9628060	0.03	0.03	0.0%	9628072	0.036	0.035	2.8%	9628075	0.035	0.035	0.0%	9628084	0.04	0.04	0.0%
Pb	9628060	21	18	15.4%	9628072	30	28	6.9%	9628075	< 5	< 5	0.0%	9628084	24	23	4.3%
Pr	9628060	1.81	1.78	1.7%	9628072	1.97	1.97	0.0%	9628075	1.71	1.64	4.2%	9628084	1.60	1.55	3.2%
Rb	9628060	35.8	36.3	1.4%	9628072	23.5	23.7	0.8%	9628075	32.8	31.1	5.3%	9628084	43.1	44.4	3.0%
S	9628060	0.12	0.12	0.0%	9628072	0.13	0.13	0.0%	9628075	0.05	0.05	0.0%	9628084	0.359	0.342	4.9%



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Sb	9628060	2.0	2.0	0.0%	9628072	1.07	1.02	4.8%	9628075	0.6	0.6	0.0%	9628084	1.09	1.04	4.7%
Sc	9628060	49	50	2.0%	9628072	58	60	3.4%	9628075	44	45	2.2%	9628084	44	42	4.7%
Si	9628060	24.3	25.1	3.2%	9628072	23.2	23.1	0.4%	9628075	24.0	24.1	0.4%	9628084	23.5	23.1	1.7%
Sm	9628060	2.7	2.5	7.7%	9628072	2.70	2.86	5.8%	9628075	2.39	2.58	7.6%	9628084	2.48	2.32	6.7%
Sn	9628060	< 1	< 1	0.0%	9628072	< 1	< 1	0.0%	9628075	< 1	4		9628084	1	< 1	
Sr	9628060	203	210	3.4%	9628072	160	160	0.0%	9628075	149	148	0.7%	9628084	147	146	0.7%
Ta	9628060	< 0.5	< 0.5	0.0%	9628072	< 0.5	< 0.5	0.0%	9628075	< 0.5	< 0.5	0.0%	9628084	< 0.5	< 0.5	0.0%
Tb	9628060	0.633	0.659	4.0%	9628072	0.72	0.70	2.8%	9628075	0.61	0.59	3.3%	9628084	0.56	0.55	1.8%
Th	9628060	0.5	0.5	0.0%	9628072	0.5	0.5	0.0%	9628075	0.5	0.5	0.0%	9628084	0.4	0.5	22.2%
Ti	9628060	0.65	0.65	0.0%	9628072	0.61	0.61	0.0%	9628075	0.63	0.63	0.0%	9628084	0.67	0.66	1.5%
Tl	9628060	< 0.5	< 0.5	0.0%	9628072	< 0.5	< 0.5	0.0%	9628075	< 0.5	< 0.5	0.0%	9628084	< 0.5	< 0.5	0.0%
Tm	9628060	0.42	0.39	7.4%	9628072	0.457	0.440	3.8%	9628075	0.385	0.349	9.8%	9628084	0.396	0.391	1.3%
U	9628060	0.19	0.19	0.0%	9628072	0.153	0.160	4.5%	9628075	0.153	0.161	5.1%	9628084	0.15	0.14	6.9%
V	9628060	335	352	4.9%	9628072	344	325	5.7%	9628075	320	310	3.2%	9628084	317	332	4.6%
W	9628060	2	2	0.0%	9628072	2	3		9628075	2	1		9628084	2	2	0.0%
Y	9628060	25.6	25.7	0.4%	9628072	27.9	28.4	1.8%	9628075	24.5	23.8	2.9%	9628084	23.9	24.5	2.5%
Yb	9628060	2.7	2.6	3.8%	9628072	3.1	3.1	0.0%	9628075	2.6	2.4	8.0%	9628084	2.68	2.43	9.8%
Zn	9628060	77	78	1.3%	9628072	163	165	1.2%	9628075	85	83	2.4%	9628084	110	106	3.7%
Zr	9628060	68.2	67.5	1.0%	9628072	64.7	64.9	0.3%	9628075	68.1	67.1	1.5%	9628084	66.7	66.3	0.6%

REPLICATE #9																
Parameter	Sample ID	Original	Replicate	RPD												
Ag	9628096	< 1	< 1	0.0%												
Al	9628096	7.86	7.60	3.4%												
As	9628096	52	47	10.1%												
B	9628096	< 20	< 20	0.0%												
Ba	9628096	117	112	4.4%												
Be	9628096	< 5	< 5	0.0%												
Bi	9628096	0.3	0.3	0.0%												
Ca	9628096	3.02	2.87	5.1%												
Cd	9628096	< 0.2	< 0.2	0.0%												
Ce	9628096	145	145	0.0%												
Co	9628096	43.7	42.0	4.0%												
Cr	9628096	0.031	0.030	3.3%												
Cs	9628096	0.3	0.3	0.0%												



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Cu	9628096	20	18	10.5%															
Dy	9628096	3.61	3.58	0.8%															
Er	9628096	1.87	1.95	4.2%															
Eu	9628096	1.49	1.46	2.0%															
Fe	9628096	10.6	10.1	4.8%															
Ga	9628096	19.7	19.9	1.0%															
Gd	9628096	5.76	5.62	2.5%															
Ge	9628096	1	2																
Hf	9628096	3	3	0.0%															
Ho	9628096	0.747	0.711	4.9%															
In	9628096	< 0.2	< 0.2	0.0%															
K	9628096	0.22	0.22	0.0%															
La	9628096	82.9	83.7	1.0%															
Li	9628096	40	42	4.9%															
Lu	9628096	0.315	0.312	1.0%															
Mg	9628096	5.12	4.89	4.6%															
Mn	9628096	2150	2070	3.8%															
Mo	9628096	3	2																
Nb	9628096	4	4	0.0%															
Nd	9628096	48.0	51.1	6.3%															
Ni	9628096	145	139	4.2%															
P	9628096	0.170	0.162	4.8%															
Pb	9628096	28	27	3.6%															
Pr	9628096	14.3	14.8	3.4%															
Rb	9628096	4.2	4.0	4.9%															
S	9628096	0.09	0.09	0.0%															
Sb	9628096	1.0	1.0	0.0%															
Sc	9628096	28	28	0.0%															
Si	9628096	21.5	20.5	4.8%															
Sm	9628096	7.1	7.4	4.1%															
Sn	9628096	2	7																
Sr	9628096	58.2	55.4	4.9%															
Ta	9628096	< 0.5	< 0.5	0.0%															
Tb	9628096	0.770	0.752	2.4%															



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Th	9628096	5.9	6.1	3.3%												
Ti	9628096	0.597	0.572	4.3%												
Tl	9628096	< 0.5	< 0.5	0.0%												
Tm	9628096	0.29	0.27	7.1%												
U	9628096	0.91	0.97	6.4%												
V	9628096	219	221	0.9%												
W	9628096	< 1	< 1	0.0%												
Y	9628096	21.1	21.4	1.4%												
Yb	9628096	1.9	1.9	0.0%												
Zn	9628096	190	184	3.2%												
Zr	9628096	122	124	1.6%												



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	10.51	96%	90% - 110%	8.47	8.26	98%	90% - 110%					10.95	10.95	100%	90% - 110%
As					26	24	92%	90% - 110%	25	25	100%	90% - 110%				
Ba	340	335	98%	90% - 110%	540	532	99%	90% - 110%					340	341	100%	90% - 110%
Be	2.6	3.1	121%	90% - 110%	4.0	3.2	81%	90% - 110%					2.6	2.9	111%	90% - 110%
Ca	5.72	5.49	96%	90% - 110%	0.907	0.943	104%	90% - 110%					5.72	5.74	100%	90% - 110%
Ce	122	120	98%	90% - 110%	98	107	109%	90% - 110%					122	129	106%	90% - 110%
Co	2.8	2.5	88%	90% - 110%	15	15	98%	90% - 110%	1202	1244	103%	90% - 110%	2.8	2.5	88%	90% - 110%
Cs	1.5	1.6	110%	90% - 110%									1.5	1.7	112%	90% - 110%
Cu					150	155	103%	90% - 110%	15414	14476	94%	90% - 110%				
Dy	18.2	17.6	97%	90% - 110%									18.2	18.2	100%	90% - 110%
Er	14.2	13.8	97%	90% - 110%	3.7	3.7	101%	90% - 110%					14.2	14.4	101%	90% - 110%
Eu	2.0	1.9	94%	90% - 110%									2.0	1.8	92%	90% - 110%
Fe	4.34	4.13	95%	90% - 110%	3.77	3.81	101%	90% - 110%					4.34	4.35	100%	90% - 110%
Ga	35	37	105%	90% - 110%									35	36	104%	90% - 110%
Gd	14	14	100%	90% - 110%									14	14	104%	90% - 110%
Hf	10.6	10.5	99%	90% - 110%	11	10	94%	90% - 110%					10.6	11	104%	90% - 110%
Ho	4.3	4.3	100%	90% - 110%									4.3	4.4	102%	90% - 110%
K	1.37	1.42	104%	90% - 110%	2.55	2.53	99%	90% - 110%					1.37	1.43	104%	90% - 110%
La	58	55	95%	90% - 110%	44	47	107%	90% - 110%					58	59	102%	90% - 110%
Li	37	41	111%	90% - 110%	47	49	104%	90% - 110%					37	40	108%	90% - 110%
Lu	2.1	2.2	103%	90% - 110%	0.6	0.6	96%	90% - 110%					2.1	2.2	107%	90% - 110%
Mg	0.325	0.297	91%	90% - 110%	1.1	1.1	100%	90% - 110%					0.325	0.31	95%	90% - 110%
Mn	836	803	96%	90% - 110%	780	780	100%	90% - 110%					836	833	100%	90% - 110%
Mo					14	13	96%	90% - 110%								
Nb	13	13	100%	90% - 110%	20	18	90%	90% - 110%					13	13	102%	90% - 110%
Nd	57	54	95%	90% - 110%									57	57	100%	90% - 110%
Ni	9	9	102%	90% - 110%	32	39	121%	90% - 110%	23610	21138	90%	90% - 110%	9	8	86%	90% - 110%
Pb	10	11	110%	90% - 110%	31	32	104%	90% - 110%	41	41	101%	90% - 110%	10	8	83%	90% - 110%
Pr	15.0	14.4	96%	90% - 110%									15.0	15.5	103%	90% - 110%
Rb	55	54	99%	90% - 110%	144	147	102%	90% - 110%					55	54	98%	90% - 110%
Sb					0.8	0.9	109%	90% - 110%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sc					12	12	100%	90% - 110%					1.1	0.8	71%	90% - 110%
Si	23.3	22.5	97%	90% - 110%	28.4	28.8	101%	90% - 110%					23.3	23.4	100%	90% - 110%
Sm	12.7	11.9	93%	90% - 110%	7.4	7.6	102%	90% - 110%					12.7	12.7	100%	90% - 110%
Sn	7.1	7.1	99%	90% - 110%									7.1	7.5	105%	90% - 110%
Sr	1191	1097	92%	90% - 110%	144	146	102%	90% - 110%					1191	1143	96%	90% - 110%
Ta	0.9	0.9	97%	90% - 110%	1.9	1.8	93%	90% - 110%					0.9	0.9	97%	90% - 110%
Tb	2.6	2.7	103%	90% - 110%	1.2	1.1	95%	90% - 110%					2.6	2.8	108%	90% - 110%
Th	1.4	1.3	96%	90% - 110%	18.4	19.1	104%	90% - 110%					1.4	1.2	84%	90% - 110%
Ti	0.172	0.172	100%	90% - 110%	0.527	0.533	101%	90% - 110%					0.172	0.176	102%	90% - 110%
Tm	2.3	2.3	99%	90% - 110%									2.3	2.4	103%	90% - 110%
U	0.8	0.8	102%	90% - 110%	5.7	5.4	95%	90% - 110%					0.8	0.8	106%	90% - 110%
V	8	6	71%	90% - 110%	77	82	106%	90% - 110%					8	6	75%	90% - 110%
W					5	5	108%	90% - 110%								
Y	119	121	101%	90% - 110%	40	37	94%	90% - 110%					119	124	104%	90% - 110%
Yb	14.8	14.2	96%	90% - 110%									14.8	14.7	99%	90% - 110%
Zn	93	93	100%	90% - 110%	130	127	97%	90% - 110%	90	93	103%	90% - 110%	93	95	102%	90% - 110%
Zr	517	561	108%	90% - 110%	390	402	103%	90% - 110%					517	563	108%	90% - 110%

CRM #5 (ref.TIII-2)

Parameter	Expect	Actual	Recovery	Limits												
Al	8.47	8.06	95%	90% - 110%												
As	26	25	95%	90% - 110%												
Ba	540	516	96%	90% - 110%												
Be	4.0	3.8	95%	90% - 110%												
Ca	0.907	0.896	99%	90% - 110%												
Ce	98	104	106%	90% - 110%												
Co	15	14	94%	90% - 110%												
Cu	150	149	99%	90% - 110%												
Er	3.7	3.7	99%	90% - 110%												
Fe	3.77	3.71	98%	90% - 110%												
Hf	11	10	93%	90% - 110%												
K	2.55	2.4	94%	90% - 110%												
La	44	46	103%	90% - 110%												
Li	47	49	105%	90% - 110%												
Lu	0.6	0.6	92%	90% - 110%												



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Mg	1.1	1.1	101%	90% - 110%																
Mn	780	750	96%	90% - 110%																
Mo	14	14	97%	90% - 110%																
Nb	20	19	93%	90% - 110%																
Ni	32	34	105%	90% - 110%																
Pb	31	30	97%	90% - 110%																
Rb	144	147	102%	90% - 110%																
Sb	0.8	0.7	89%	90% - 110%																
Sc	12	12	99%	90% - 110%																
Si	28.4	27.6	97%	90% - 110%																
Sm	7.4	7.4	100%	90% - 110%																
Sr	144	137	95%	90% - 110%																
Ta	1.9	1.7	91%	90% - 110%																
Tb	1.2	1.2	99%	90% - 110%																
Th	18.4	18.4	100%	90% - 110%																
Ti	0.527	0.515	98%	90% - 110%																
U	5.7	5.5	97%	90% - 110%																
V	77	75	97%	90% - 110%																
W	5	5	94%	90% - 110%																
Y	40	38	95%	90% - 110%																
Zn	130	122	94%	90% - 110%																
Zr	390	393	101%	90% - 110%																



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-219
 SAMPLING SITE:

AGAT WORK ORDER: 18B397792
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B397792

PROJECT: DDH-219

ATTENTION TO: FRANK SANTAGUIDA JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-220

AGAT WORK ORDER: 18B397818

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 06, 2018

PAGES (INCLUDING COVER): 20

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 06, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6055724 (9628192)		1.90
E6055725 (9628193)		1.34
E6055726 (9628194)		0.01
E6055727 (9628195)		1.31
E6055728 (9628196)		1.50
E6055729 (9628197)		1.12
E6055730 (9628198)		1.27
E6055731 (9628199)		1.42
E6055732 (9628200)		1.56
E6055733 (9628201)		1.97
E6055734 (9628202)		1.19
E6055735 (9628203)		0.69
E6055736 (9628204)		1.45
E6055737 (9628205)		0.73
E6055738 (9628206)		1.50
E6055739 (9628207)		1.15
E6055740 (9628208)		1.15
E6055741 (9628209)		0.71
E6055742 (9628210)		1.95
E6055743 (9628211)		2.12
E6055744 (9628212)		2.18
E6055745 (9628213)		2.13
E6055746 (9628214)		0.01
E6055747 (9628215)		1.98
E6055748 (9628216)		2.06
E6055749 (9628217)		2.34
E6055750 (9628218)		1.59
E6055751 (9628219)		2.37
E6055752 (9628220)		1.69
E6055753 (9628221)		2.00
E6055754 (9628222)		2.04

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018	DATE REPORTED: Nov 06, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6055755 (9628223)		2.16
E6055756 (9628224)		2.05
E6055757 (9628225)		2.14

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 06, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6055724 (9628192)	<1	7.49	23	<20	71.7	<5	<0.1	3.63	<0.2	22.8	39.2	0.026	1.4	73	
E6055725 (9628193)	<1	7.78	9	<20	16.4	<5	<0.1	2.36	<0.2	23.0	39.7	0.025	1.4	116	
E6055726 (9628194)	<1	4.26	544	128	172	<5	7.8	3.83	<0.2	76.0	1050	0.006	2.8	2870	
E6055727 (9628195)	<1	8.51	<5	<20	16.6	<5	0.2	1.70	<0.2	30.3	16.4	0.011	0.8	108	
E6055728 (9628196)	<1	5.43	26	<20	22.6	<5	0.7	3.75	1.7	113	96.0	0.034	1.0	2230	
E6055729 (9628197)	<1	5.89	<5	<20	6.6	<5	<0.1	4.34	<0.2	32.5	15.7	0.073	1.3	108	
E6055730 (9628198)	<1	6.65	<5	<20	50.3	<5	<0.1	3.25	<0.2	20.8	13.5	0.054	1.5	766	
E6055731 (9628199)	<1	5.66	<5	<20	132	<5	0.1	5.32	0.6	69.1	42.6	0.032	0.4	20	
E6055732 (9628200)	<1	0.10	24	<20	23.8	<5	<0.1	32.4	<0.2	0.9	1.0	<0.005	0.1	<5	
E6055733 (9628201)	<1	7.99	22	46	897	<5	0.3	5.25	4.7	23.1	53.5	0.029	0.7	345	
E6055734 (9628202)	<1	8.29	21	34	1430	<5	0.2	4.39	0.2	15.3	54.2	0.029	0.8	193	
E6055735 (9628203)	<1	7.92	31	1690	997	<5	0.3	7.65	8.4	11.3	49.0	0.024	0.4	448	
E6055736 (9628204)	<1	8.63	15	397	950	<5	0.1	4.45	0.3	12.7	59.4	0.029	1.4	67	
E6055737 (9628205)	<1	8.51	12	1010	731	<5	0.1	3.94	1.0	19.5	38.5	0.028	1.6	132	
E6055738 (9628206)	<1	0.07	<5	<20	20.7	<5	<0.1	32.6	<0.2	1.0	1.2	<0.005	<0.1	<5	
E6055739 (9628207)	<1	8.10	8	29	922	<5	<0.1	3.60	0.4	27.0	50.4	0.032	0.9	61	
E6055740 (9628208)	<1	8.77	9	49	1200	<5	<0.1	3.52	0.5	15.4	49.2	0.031	1.0	125	
E6055741 (9628209)	<1	8.41	20	129	908	<5	<0.1	3.78	0.4	12.4	54.0	0.030	2.0	67	
E6055742 (9628210)	<1	8.63	14	183	607	<5	0.2	3.90	1.1	12.5	55.5	0.030	1.0	168	
E6055743 (9628211)	<1	8.52	9	257	697	<5	0.1	4.42	0.3	16.8	42.8	0.029	0.9	102	
E6055744 (9628212)	<1	8.47	11	205	584	<5	0.4	4.96	<0.2	29.6	61.5	0.029	1.9	430	
E6055745 (9628213)	<1	8.51	18	32	695	<5	0.4	4.51	<0.2	12.5	70.1	0.029	3.9	232	
E6055746 (9628214)	<1	4.45	557	127	175	<5	8.1	4.06	<0.2	78.0	1050	0.006	2.7	2980	
E6055747 (9628215)	<1	8.46	13	85	956	<5	0.3	4.21	5.2	30.3	45.0	0.029	2.0	333	
E6055748 (9628216)	<1	6.54	7	21	247	<5	0.1	6.14	<0.2	18.0	60.6	0.010	2.5	61	
E6055749 (9628217)	<1	6.37	7	<20	157	<5	0.1	6.25	<0.2	19.4	47.9	0.009	0.9	57	
E6055750 (9628218)	<1	6.85	164	60	219	<5	3.7	3.39	<0.2	20.6	86.3	0.044	3.3	1070	
E6055751 (9628219)	1	7.64	262	<20	81.7	<5	17.0	0.70	<0.2	12.4	58.7	0.062	1.0	21	
E6055752 (9628220)	<1	0.07	23	<20	24.0	<5	<0.1	32.8	<0.2	0.9	0.9	<0.005	<0.1	5	
E6055753 (9628221)	<1	7.46	131	<20	29.7	<5	0.6	0.43	<0.2	7.5	36.0	0.027	1.2	55	
E6055754 (9628222)	<1	8.57	99	23	158	<5	0.4	0.38	<0.2	9.0	37.1	0.026	2.7	23	
E6055755 (9628223)	<1	8.22	56	<20	91.0	<5	0.4	1.18	<0.2	11.0	32.9	0.026	3.4	148	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 06, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
Sample ID (AGAT ID)	RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6055756 (9628224)	<1	8.21	12	<20	116	<5	0.5	2.87	<0.2	17.0	26.6	0.029	2.5	270	
E6055757 (9628225)	<1	7.85	<5	<20	122	<5	0.3	3.61	<0.2	15.8	31.1	0.027	1.4	24	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 06, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6055724 (9628192)	4.59	2.96	1.81	6.65	16.8	4.05	1	2	1.02	<0.2	0.30	11.5	37	0.45	
E6055725 (9628193)	3.78	2.45	1.24	10.2	19.8	3.57	2	2	0.83	<0.2	0.17	11.6	54	0.39	
E6055726 (9628194)	3.24	2.05	0.97	3.01	11.9	4.70	2	5	0.69	0.2	3.08	37.3	14	0.30	
E6055727 (9628195)	2.49	1.48	0.95	5.12	14.6	3.19	1	4	0.50	<0.2	0.22	13.2	31	0.24	
E6055728 (9628196)	7.31	3.31	3.18	6.20	12.7	10.8	2	2	1.32	0.5	1.64	47.8	45	0.37	
E6055729 (9628197)	4.15	2.28	1.08	8.56	19.3	4.52	2	3	0.77	<0.2	0.15	13.5	56	0.32	
E6055730 (9628198)	3.78	2.03	1.15	7.30	18.9	3.85	2	3	0.76	0.2	0.21	8.9	48	0.30	
E6055731 (9628199)	4.89	2.23	2.40	7.75	18.0	7.85	2	4	0.88	<0.2	0.36	25.9	30	0.28	
E6055732 (9628200)	0.22	0.16	0.11	0.08	0.35	0.20	<1	<1	0.06	<0.2	0.07	1.1	<10	<0.05	
E6055733 (9628201)	3.85	2.43	1.39	6.24	19.0	3.61	2	2	0.84	<0.2	1.07	11.2	29	0.35	
E6055734 (9628202)	4.09	2.61	1.79	5.29	18.3	3.65	2	2	0.88	<0.2	2.07	6.7	19	0.40	
E6055735 (9628203)	2.96	1.88	1.27	6.43	23.9	2.52	3	1	0.62	<0.2	3.96	6.2	10	0.30	
E6055736 (9628204)	3.89	2.50	1.22	4.99	19.0	3.42	1	2	0.84	<0.2	1.48	4.9	26	0.34	
E6055737 (9628205)	3.60	2.08	1.60	4.49	20.7	3.53	1	2	0.74	<0.2	1.16	9.0	27	0.30	
E6055738 (9628206)	0.19	0.16	0.06	0.08	0.27	0.30	1	<1	0.05	<0.2	0.07	1.1	<10	<0.05	
E6055739 (9628207)	4.46	2.59	1.96	6.22	20.3	4.52	1	2	0.92	<0.2	0.94	11.0	31	0.39	
E6055740 (9628208)	3.91	2.27	1.36	4.03	20.6	3.61	1	2	0.84	<0.2	1.66	5.8	25	0.30	
E6055741 (9628209)	3.34	2.10	1.04	3.39	20.2	3.15	1	2	0.73	<0.2	1.82	5.1	28	0.27	
E6055742 (9628210)	3.53	2.17	1.25	4.07	19.4	3.25	1	2	0.75	<0.2	1.40	5.1	22	0.30	
E6055743 (9628211)	3.63	2.10	1.82	4.47	20.1	3.25	1	2	0.73	<0.2	1.45	7.6	22	0.29	
E6055744 (9628212)	3.96	2.50	1.40	6.42	21.3	3.69	2	2	0.85	<0.2	1.16	15.7	28	0.37	
E6055745 (9628213)	3.76	2.42	1.23	6.47	19.4	3.31	1	2	0.84	<0.2	1.46	5.4	33	0.37	
E6055746 (9628214)	3.53	2.04	1.09	3.14	11.9	4.47	2	5	0.70	0.2	3.25	38.5	15	0.31	
E6055747 (9628215)	3.82	2.44	1.42	5.96	18.8	3.77	1	2	0.83	<0.2	2.25	15.6	30	0.36	
E6055748 (9628216)	4.81	3.17	1.33	11.4	18.4	4.37	2	3	1.07	<0.2	0.96	7.0	43	0.53	
E6055749 (9628217)	4.62	3.03	1.15	10.7	16.4	4.27	2	2	1.03	<0.2	0.59	7.4	30	0.47	
E6055750 (9628218)	3.57	2.35	0.82	11.6	20.7	3.19	2	3	0.75	<0.2	1.62	8.4	119	0.38	
E6055751 (9628219)	2.62	1.86	0.68	10.4	21.6	2.45	2	2	0.62	0.2	1.15	4.2	66	0.29	
E6055752 (9628220)	0.22	0.18	0.06	0.09	0.34	0.25	<1	<1	0.05	<0.2	<0.05	1.1	<10	<0.05	
E6055753 (9628221)	2.32	1.71	0.65	9.39	18.1	1.89	2	2	0.57	<0.2	1.92	2.6	55	0.32	
E6055754 (9628222)	2.86	1.94	0.91	9.30	20.9	2.10	2	2	0.64	<0.2	3.24	3.6	63	0.33	
E6055755 (9628223)	3.42	2.26	0.80	8.11	20.0	2.92	2	2	0.78	<0.2	2.91	4.4	56	0.37	

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AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 06, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:														
E6055756 (9628224)	3.68	2.34	0.97	9.65	20.1	3.12	1	2	0.77	<0.2	1.31	7.4	64	0.34	
E6055757 (9628225)	4.47	2.85	1.10	7.77	17.9	3.86	1	2	0.97	<0.2	0.51	6.4	51	0.41	

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 06, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6055724 (9628192)	3.29	1110	<2	2	12.4	148	0.03	<5	2.84	16.6	0.02	0.6	49	22.6	
E6055725 (9628193)	4.68	1390	<2	2	12.9	162	0.03	<5	2.89	7.1	0.04	0.4	47	20.6	
E6055726 (9628194)	2.57	437	12	9	31.8	166	0.07	12	8.76	108	1.56	1.7	6	26.3	
E6055727 (9628195)	2.77	799	<2	4	16.7	75	0.09	8	3.91	2.8	0.02	0.3	11	24.6	
E6055728 (9628196)	3.22	1360	5	3	57.9	96	0.08	5	14.2	11.0	0.50	1.5	16	25.1	
E6055729 (9628197)	4.61	1560	<2	4	18.5	192	0.16	7	4.30	2.8	0.01	0.8	13	21.6	
E6055730 (9628198)	3.82	1350	<2	4	11.9	161	0.11	8	2.80	4.7	0.08	1.3	12	23.9	
E6055731 (9628199)	5.33	1560	3	7	42.5	221	0.24	69	9.82	6.3	0.02	1.2	20	23.0	
E6055732 (9628200)	0.97	<10	<2	<1	0.9	<5	<0.01	<5	0.20	0.6	0.08	<0.1	<5	4.79	
E6055733 (9628201)	2.39	1330	7	2	12.9	154	0.04	139	2.99	34.2	0.20	1.3	43	23.8	
E6055734 (9628202)	1.88	1180	3	3	10.2	139	0.04	63	2.10	57.6	0.15	3.8	42	25.4	
E6055735 (9628203)	1.64	4740	5	2	6.7	104	0.03	400	1.39	72.7	0.26	30.1	33	22.9	
E6055736 (9628204)	1.80	1760	4	3	8.9	138	0.04	31	1.90	55.3	0.09	0.4	39	25.9	
E6055737 (9628205)	1.64	2800	7	3	11.0	117	0.04	84	2.52	46.6	0.06	1.2	37	25.5	
E6055738 (9628206)	0.99	12	<2	<1	0.8	<5	<0.01	<5	0.22	0.7	0.07	<0.1	<5	4.86	
E6055739 (9628207)	2.81	1320	3	3	16.2	159	0.06	30	3.68	34.4	0.08	0.7	49	24.0	
E6055740 (9628208)	1.52	1050	5	3	10.5	114	0.04	39	2.27	62.0	0.08	0.6	38	25.9	
E6055741 (9628209)	1.11	1060	8	3	8.9	108	0.04	84	1.84	80.9	0.07	0.5	34	27.3	
E6055742 (9628210)	1.47	1380	5	3	8.7	123	0.04	74	1.86	52.9	0.12	0.7	40	27.0	
E6055743 (9628211)	1.59	1490	6	3	10.2	122	0.04	30	2.29	51.8	0.07	0.7	39	26.9	
E6055744 (9628212)	2.22	1700	2	2	13.9	149	0.04	15	3.50	51.8	0.28	1.6	44	23.9	
E6055745 (9628213)	2.07	1450	3	3	8.3	137	0.04	14	1.72	74.7	0.39	1.1	44	24.9	
E6055746 (9628214)	2.44	445	12	9	33.8	169	0.07	13	9.06	109	1.58	1.8	7	27.8	
E6055747 (9628215)	2.35	1720	2	3	14.4	129	0.04	39	3.63	76.7	0.16	0.8	44	26.2	
E6055748 (9628216)	3.28	2040	<2	4	12.1	101	0.04	8	2.56	49.7	0.30	2.5	37	21.2	
E6055749 (9628217)	3.27	1940	<2	4	12.8	68	0.04	8	2.74	20.4	0.13	3.5	36	22.2	
E6055750 (9628218)	5.75	1750	2	4	11.0	240	0.07	8	2.67	57.8	0.75	2.7	36	18.8	
E6055751 (9628219)	4.47	1740	<2	3	8.9	215	0.07	13	1.93	16.8	0.04	1.6	44	22.1	
E6055752 (9628220)	1.33	<10	<2	<1	0.9	<5	<0.01	<5	0.20	0.8	0.10	<0.1	<5	3.45	
E6055753 (9628221)	3.57	1410	<2	2	5.3	144	0.03	<5	1.17	15.5	0.03	1.4	46	23.2	
E6055754 (9628222)	3.19	1320	<2	3	5.6	131	0.03	<5	1.26	51.3	<0.01	1.2	48	22.1	
E6055755 (9628223)	2.90	1020	<2	3	7.3	153	0.04	<5	1.54	57.3	0.07	1.3	46	22.7	

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AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 06, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6055756 (9628224)		2.89	1540	<2	3	9.6	119	0.05	<5	2.27	39.9	0.05	1.0	51	20.1
E6055757 (9628225)		2.71	1740	<2	3	10.3	118	0.04	<5	2.20	21.7	0.02	1.0	50	22.6

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 06, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6055724 (9628192)	3.3	<1	97.1	<0.5	0.71	0.6	0.59	<0.5	0.47	0.36	297	1	25.1	3.1	
E6055725 (9628193)	3.0	<1	36.9	<0.5	0.63	0.6	0.57	<0.5	0.39	0.47	291	2	19.8	2.6	
E6055726 (9628194)	5.5	2	25.5	<0.5	0.60	10.4	0.22	0.7	0.29	6.45	55	4	18.7	2.1	
E6055727 (9628195)	3.6	4	31.3	<0.5	0.45	2.7	0.23	<0.5	0.23	0.80	86	<1	13.8	1.5	
E6055728 (9628196)	11.7	5	17.2	<0.5	1.52	1.9	0.17	<0.5	0.43	1.06	81	<1	35.8	2.9	
E6055729 (9628197)	4.5	4	30.0	<0.5	0.74	3.3	0.29	<0.5	0.35	0.92	103	<1	21.5	2.1	
E6055730 (9628198)	3.3	5	70.3	<0.5	0.66	2.7	0.27	<0.5	0.28	1.01	91	<1	21.2	1.9	
E6055731 (9628199)	9.0	3	151	<0.5	1.06	3.2	0.75	<0.5	0.30	1.09	173	<1	22.4	1.8	
E6055732 (9628200)	0.2	2	58.8	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.20	<5	<1	2.0	0.1	
E6055733 (9628201)	3.1	4	347	<0.5	0.63	0.7	0.61	<0.5	0.37	0.32	297	1	20.7	2.3	
E6055734 (9628202)	3.0	<1	289	<0.5	0.61	0.6	0.68	<0.5	0.39	0.29	303	1	22.3	2.5	
E6055735 (9628203)	1.9	<1	1130	<0.5	0.44	0.4	0.47	<0.5	0.29	0.22	290	1	15.9	1.9	
E6055736 (9628204)	2.7	1	214	<0.5	0.59	0.6	0.68	<0.5	0.34	0.23	314	1	20.2	2.2	
E6055737 (9628205)	2.7	<1	256	<0.5	0.55	0.5	0.62	<0.5	0.31	0.43	312	1	18.5	2.0	
E6055738 (9628206)	0.2	1	59.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.11	<5	<1	2.2	0.1	
E6055739 (9628207)	3.8	<1	237	<0.5	0.78	1.0	0.65	<0.5	0.37	0.61	307	1	23.1	2.5	
E6055740 (9628208)	3.0	<1	263	<0.5	0.59	0.6	0.69	<0.5	0.31	0.31	319	1	20.8	2.1	
E6055741 (9628209)	2.5	<1	246	<0.5	0.54	0.6	0.66	<0.5	0.29	0.17	307	1	18.1	1.8	
E6055742 (9628210)	2.4	<1	246	<0.5	0.55	0.6	0.66	<0.5	0.30	0.23	311	1	19.0	2.1	
E6055743 (9628211)	2.8	1	258	<0.5	0.59	0.5	0.65	<0.5	0.31	0.28	302	2	19.3	1.9	
E6055744 (9628212)	3.2	1	291	<0.5	0.66	0.5	0.63	<0.5	0.37	0.44	334	2	21.2	2.4	
E6055745 (9628213)	2.5	2	227	<0.5	0.60	0.5	0.67	<0.5	0.38	0.28	338	2	21.1	2.5	
E6055746 (9628214)	5.6	1	26.2	<0.5	0.63	10.8	0.24	0.8	0.30	6.85	56	4	18.9	2.1	
E6055747 (9628215)	3.3	3	200	<0.5	0.64	0.6	0.68	<0.5	0.36	0.48	318	2	20.9	2.4	
E6055748 (9628216)	3.4	<1	144	<0.5	0.77	0.7	0.69	<0.5	0.48	0.33	275	2	27.9	3.2	
E6055749 (9628217)	3.4	<1	183	<0.5	0.71	0.7	0.65	<0.5	0.46	0.52	263	2	27.0	3.1	
E6055750 (9628218)	2.7	5	93.0	<0.5	0.57	0.9	0.71	<0.5	0.36	1.51	310	2	19.2	2.5	
E6055751 (9628219)	2.2	4	15.6	<0.5	0.45	0.7	0.58	<0.5	0.28	2.94	325	1	14.2	2.0	
E6055752 (9628220)	0.1	3	61.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.12	<5	<1	2.2	0.1	
E6055753 (9628221)	1.5	4	16.4	<0.5	0.34	0.6	0.61	<0.5	0.29	2.15	317	1	12.3	2.0	
E6055754 (9628222)	1.7	5	33.8	<0.5	0.43	0.6	0.65	<0.5	0.31	1.19	321	1	14.6	2.1	
E6055755 (9628223)	2.2	6	58.1	<0.5	0.54	0.6	0.63	<0.5	0.35	0.69	328	<1	18.4	2.5	

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PROJECT: DDH-220

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 06, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6055756 (9628224)	2.6	7	53.4	<0.5	0.56	0.7	0.71	<0.5	0.33	1.14	305	1	18.3	2.3	
E6055757 (9628225)	3.1	6	119	<0.5	0.71	0.6	0.66	<0.5	0.41	0.62	306	<1	23.8	2.7	

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 06, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E6055724 (9628192)		54	60.7
E6055725 (9628193)		94	58.8
E6055726 (9628194)		10	166
E6055727 (9628195)		58	120
E6055728 (9628196)		135	69.3
E6055729 (9628197)		83	94.9
E6055730 (9628198)		67	105
E6055731 (9628199)		269	157
E6055732 (9628200)		<5	<0.5
E6055733 (9628201)		1170	61.8
E6055734 (9628202)		127	71.7
E6055735 (9628203)		1930	46.5
E6055736 (9628204)		124	66.2
E6055737 (9628205)		235	64.0
E6055738 (9628206)		<5	<0.5
E6055739 (9628207)		163	76.4
E6055740 (9628208)		151	70.5
E6055741 (9628209)		107	68.5
E6055742 (9628210)		297	66.6
E6055743 (9628211)		104	64.9
E6055744 (9628212)		95	63.8
E6055745 (9628213)		93	65.9
E6055746 (9628214)		9	170
E6055747 (9628215)		1180	65.6
E6055748 (9628216)		91	87.4
E6055749 (9628217)		91	80.6
E6055750 (9628218)		96	93.1
E6055751 (9628219)		81	64.1
E6055752 (9628220)		<5	<0.5
E6055753 (9628221)		60	61.4
E6055754 (9628222)		64	68.7
E6055755 (9628223)		49	64.9

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 06, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6055756 (9628224)		97	69.1
E6055757 (9628225)		109	66.5

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 06, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6055724 (9628192)		88
E6055743 (9628211)		81
E6055750 (9628218)		95

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9628192	< 1	< 1	0.0%	9628203	< 1	< 1	0.0%	9628215	< 1	< 1	0.0%	9628217	< 1	< 1	0.0%
Al	9628192	7.49	7.65	2.1%	9628203	7.92	7.76	2.0%	9628215	8.46	8.11	4.2%	9628217	6.37	6.36	0.2%
As	9628192	23	19	19.0%	9628203	31	31	0.0%	9628215	13	12	8.0%	9628217	7	8	13.3%
B	9628192	< 20	< 20	0.0%	9628203	1690	1680	0.6%	9628215	85	87	2.3%	9628217	< 20	< 20	0.0%
Ba	9628192	71.7	73.3	2.2%	9628203	997	979	1.8%	9628215	956	968	1.2%	9628217	157	152	3.2%
Be	9628192	< 5	< 5	0.0%	9628203	< 5	< 5	0.0%	9628215	< 5	< 5	0.0%	9628217	< 5	< 5	0.0%
Bi	9628192	< 0.1	< 0.1	0.0%	9628203	0.3	0.3	0.0%	9628215	0.3	0.2		9628217	0.1	0.1	0.0%
Ca	9628192	3.63	3.56	1.9%	9628203	7.65	7.32	4.4%	9628215	4.21	4.10	2.6%	9628217	6.25	6.53	4.4%
Cd	9628192	< 0.2	< 0.2	0.0%	9628203	8.38	8.67	3.4%	9628215	5.19	5.28	1.7%	9628217	< 0.2	< 0.2	0.0%
Ce	9628192	22.8	22.3	2.2%	9628203	11.3	11.1	1.8%	9628215	30.3	30.7	1.3%	9628217	19.4	18.7	3.7%
Co	9628192	39.2	39.6	1.0%	9628203	49.0	50.1	2.2%	9628215	45.0	44.2	1.8%	9628217	47.9	48.0	0.2%
Cr	9628192	0.026	0.024	8.0%	9628203	0.0244	0.0247	1.2%	9628215	0.0291	0.0296	1.7%	9628217	0.009	0.009	0.0%
Cs	9628192	1.43	1.56	8.7%	9628203	0.40	0.33	19.2%	9628215	2.0	2.0	0.0%	9628217	0.87	0.75	14.8%
Cu	9628192	73	66	10.1%	9628203	448	448	0.0%	9628215	333	332	0.3%	9628217	57	54	5.4%
Dy	9628192	4.59	4.70	2.4%	9628203	2.96	2.94	0.7%	9628215	3.82	3.99	4.4%	9628217	4.62	4.78	3.4%
Er	9628192	2.96	2.98	0.7%	9628203	1.88	1.81	3.8%	9628215	2.44	2.51	2.8%	9628217	3.03	3.00	1.0%
Eu	9628192	1.81	1.75	3.4%	9628203	1.27	1.05	19.0%	9628215	1.42	1.46	2.8%	9628217	1.15	1.06	8.1%
Fe	9628192	6.65	6.51	2.1%	9628203	6.43	6.25	2.8%	9628215	5.96	5.65	5.3%	9628217	10.7	11.1	3.7%
Ga	9628192	16.8	17.6	4.7%	9628203	23.9	23.3	2.5%	9628215	18.8	19.3	2.6%	9628217	16.4	16.6	1.2%
Gd	9628192	4.05	4.10	1.2%	9628203	2.52	2.56	1.6%	9628215	3.77	3.70	1.9%	9628217	4.27	4.19	1.9%
Ge	9628192	1	1	0.0%	9628203	3	3	0.0%	9628215	1	2		9628217	2	2	0.0%
Hf	9628192	2	2	0.0%	9628203	1	2		9628215	2	2	0.0%	9628217	2	2	0.0%
Ho	9628192	1.02	1.02	0.0%	9628203	0.622	0.651	4.6%	9628215	0.828	0.846	2.2%	9628217	1.03	1.03	0.0%
In	9628192	< 0.2	< 0.2	0.0%	9628203	< 0.2	< 0.2	0.0%	9628215	< 0.2	< 0.2	0.0%	9628217	< 0.2	< 0.2	0.0%
K	9628192	0.30	0.30	0.0%	9628203	3.96	3.86	2.6%	9628215	2.25	2.14	5.0%	9628217	0.59	0.58	1.7%
La	9628192	11.5	11.2	2.6%	9628203	6.2	6.2	0.0%	9628215	15.6	16.1	3.2%	9628217	7.35	7.34	0.1%
Li	9628192	37	36	2.7%	9628203	10	10	0.0%	9628215	30	32	6.5%	9628217	30	30	0.0%
Lu	9628192	0.452	0.468	3.5%	9628203	0.30	0.31	3.3%	9628215	0.36	0.34	5.7%	9628217	0.47	0.47	0.0%
Mg	9628192	3.29	3.08	6.6%	9628203	1.64	1.61	1.8%	9628215	2.35	2.30	2.2%	9628217	3.27	3.17	3.1%
Mn	9628192	1110	1080	2.7%	9628203	4740	4720	0.4%	9628215	1720	1730	0.6%	9628217	1940	1930	0.5%
Mo	9628192	< 2	< 2	0.0%	9628203	5	5	0.0%	9628215	2	2	0.0%	9628217	2	2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Nb	9628192	2	3		9628203	2	2	0.0%	9628215	3	3	0.0%	9628217	4	4	0.0%
Nd	9628192	12.4	12.2	1.6%	9628203	6.7	6.6	1.5%	9628215	14.4	14.4	0.0%	9628217	12.8	12.6	1.6%
Ni	9628192	148	142	4.1%	9628203	104	109	4.7%	9628215	129	131	1.5%	9628217	68	67	1.5%
P	9628192	0.03	0.03	0.0%	9628203	0.03	0.03	0.0%	9628215	0.04	0.04	0.0%	9628217	0.04	0.04	0.0%
Pb	9628192	< 5	< 5	0.0%	9628203	400	401	0.2%	9628215	39	41	5.0%	9628217	8	7	13.3%
Pr	9628192	2.84	2.80	1.4%	9628203	1.39	1.39	0.0%	9628215	3.63	3.62	0.3%	9628217	2.74	2.71	1.1%
Rb	9628192	16.6	17.4	4.7%	9628203	72.7	72.0	1.0%	9628215	76.7	78.6	2.4%	9628217	20.4	19.7	3.5%
S	9628192	0.02	< 0.01		9628203	0.26	0.26	0.0%	9628215	0.156	0.152	2.6%	9628217	0.129	0.110	15.9%
Sb	9628192	0.6	0.5	18.2%	9628203	30.1	29.5	2.0%	9628215	0.8	0.8	0.0%	9628217	3.52	3.23	8.6%
Sc	9628192	49	49	0.0%	9628203	33	32	3.1%	9628215	44	44	0.0%	9628217	36	36	0.0%
Si	9628192	22.6	22.7	0.4%	9628203	22.9	22.3	2.7%	9628215	26.2	25.1	4.3%	9628217	22.2	22.3	0.4%
Sm	9628192	3.30	3.11	5.9%	9628203	1.9	1.9	0.0%	9628215	3.3	3.3	0.0%	9628217	3.4	3.4	0.0%
Sn	9628192	< 1	< 1	0.0%	9628203	< 1	< 1	0.0%	9628215	3	2		9628217	< 1	3	
Sr	9628192	97.1	99.0	1.9%	9628203	1130	1130	0.0%	9628215	200	199	0.5%	9628217	183	183	0.0%
Ta	9628192	< 0.5	< 0.5	0.0%	9628203	< 0.5	< 0.5	0.0%	9628215	< 0.5	< 0.5	0.0%	9628217	< 0.5	< 0.5	0.0%
Tb	9628192	0.711	0.718	1.0%	9628203	0.440	0.449	2.0%	9628215	0.64	0.61	4.8%	9628217	0.710	0.726	2.2%
Th	9628192	0.56	0.50	11.3%	9628203	0.4	0.4	0.0%	9628215	0.6	0.5	18.2%	9628217	0.7	0.7	0.0%
Ti	9628192	0.590	0.598	1.3%	9628203	0.471	0.461	2.1%	9628215	0.68	0.65	4.5%	9628217	0.65	0.65	0.0%
Tl	9628192	< 0.5	< 0.5	0.0%	9628203	< 0.5	< 0.5	0.0%	9628215	< 0.5	< 0.5	0.0%	9628217	< 0.5	< 0.5	0.0%
Tm	9628192	0.471	0.451	4.3%	9628203	0.29	0.28	3.5%	9628215	0.363	0.353	2.8%	9628217	0.46	0.45	2.2%
U	9628192	0.36	0.36	0.0%	9628203	0.22	0.22	0.0%	9628215	0.48	0.45	6.5%	9628217	0.524	0.532	1.5%
V	9628192	297	294	1.0%	9628203	290	282	2.8%	9628215	318	318	0.0%	9628217	263	262	0.4%
W	9628192	1	1	0.0%	9628203	1	1	0.0%	9628215	2	2	0.0%	9628217	2	2	0.0%
Y	9628192	25.1	26.2	4.3%	9628203	15.9	16.2	1.9%	9628215	20.9	20.9	0.0%	9628217	27.0	26.9	0.4%
Yb	9628192	3.1	3.0	3.3%	9628203	1.9	1.9	0.0%	9628215	2.38	2.32	2.6%	9628217	3.06	2.91	5.0%
Zn	9628192	54	57	5.4%	9628203	1930	1880	2.6%	9628215	1180	1150	2.6%	9628217	91	87	4.5%
Zr	9628192	60.7	62.6	3.1%	9628203	46.5	45.3	2.6%	9628215	65.6	67.9	3.4%	9628217	80.6	80.9	0.4%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	10.95	9.87	90%	90% - 110%	8.47	7.69	91%	90% - 110%								
As					26	23	90%	90% - 110%								
Ba	340	325	96%	90% - 110%	540	505	93%	90% - 110%								
Be	2.6	2.8	109%	90% - 110%	4.0	3.9	98%	90% - 110%								
Ca	5.72	5.33	93%	90% - 110%	0.907	0.875	96%	90% - 110%								
Ce	122	128	105%	90% - 110%	98	107	109%	90% - 110%								
Co	2.8	2.5	91%	90% - 110%	15	15	103%	90% - 110%								
Cs	1.5	1.6	110%	90% - 110%												
Cu					150	149	99%	90% - 110%								
Dy	18.2	19.3	106%	90% - 110%												
Er	14.2	15.2	107%	90% - 110%	3.7	3.9	105%	90% - 110%								
Eu	2.0	2	98%	90% - 110%												
Fe	4.34	3.92	90%	90% - 110%	3.77	3.55	94%	90% - 110%								
Ga	35	36	104%	90% - 110%												
Gd	14	15	109%	90% - 110%												
Hf	10.6	11.5	108%	90% - 110%	11	10	90%	90% - 110%								
Ho	4.3	4.6	108%	90% - 110%												
K	1.37	1.33	97%	90% - 110%	2.55	2.39	94%	90% - 110%								
La	58	60	104%	90% - 110%	44	48	108%	90% - 110%								
Li	37	41	112%	90% - 110%	47	52	111%	90% - 110%								
Lu	2.1	2.2	106%	90% - 110%	0.6	0.6	98%	90% - 110%								
Mg	0.325	0.294	91%	90% - 110%	1.1	1	91%	90% - 110%								
Mn	836	757	91%	90% - 110%	780	703	90%	90% - 110%								
Mo					14	14	103%	90% - 110%								
Nb	13	14	106%	90% - 110%	20	20	99%	90% - 110%								
Nd	57	61	108%	90% - 110%												
Ni	9	9	97%	90% - 110%	32	36	113%	90% - 110%								
Pb	10	10	102%	90% - 110%	31	32	103%	90% - 110%								
Pr	15.0	15.5	103%	90% - 110%												
Rb	55	55	100%	90% - 110%	144	146	101%	90% - 110%								
Sb					0.8	0.7	90%	90% - 110%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sc					12	11	94%	90% - 110%								
Si	23.3	22.3	96%	90% - 110%	28.4	27.7	98%	90% - 110%								
Sm	12.7	12.8	101%	90% - 110%	7.4	7.5	102%	90% - 110%								
Sr	1191	1102	93%	90% - 110%	144	135	94%	90% - 110%								
Ta	0.9	0.7	82%	90% - 110%	1.9	1.6	84%	90% - 110%								
Tb	2.6	2.8	107%	90% - 110%	1.2	1.3	104%	90% - 110%								
Th	1.4	1.2	88%	90% - 110%	18.4	17.9	97%	90% - 110%								
Ti	0.172	0.158	92%	90% - 110%	0.527	0.492	93%	90% - 110%								
Tm	2.3	2.4	103%	90% - 110%												
U					5.7	5.3	93%	90% - 110%								
V					77	74	97%	90% - 110%								
W					5	5	99%	90% - 110%								
Y	119	122	103%	90% - 110%	40	36	91%	90% - 110%								
Yb	14.8	15.7	106%	90% - 110%												
Zn	93	92	98%	90% - 110%	130	124	96%	90% - 110%								
Zr	517	571	110%	90% - 110%	390	380	98%	90% - 110%								



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-220
 SAMPLING SITE:

AGAT WORK ORDER: 18B397818
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B397818

PROJECT: DDH-220

ATTENTION TO: FRANK SANTAGUIDA JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA

PROJECT: DDH-221

AGAT WORK ORDER: 18B401321

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 22, 2018

PAGES (INCLUDING COVER): 29

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 22, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6543800 (9650202)		1.17
E6543801 (9650203)		1.56
E6543802 (9650204)		1.67
E6543803 (9650205)		0.90
E6543804 (9650206)		1.38
E6543805 (9650207)		1.85
E6543806 (9650208)		0.01
E6543807 (9650209)		2.22
E6543808 (9650210)		2.57
E6543809 (9650211)		1.98
E6543810 (9650212)		2.38
E6543811 (9650213)		2.80
E6543812 (9650214)		1.71
E6543813 (9650215)		1.84
E6543814 (9650216)		3.13
E6543815 (9650217)		2.50
E6543816 (9650218)		2.39
E6543817 (9650219)		2.47
E6543818 (9650220)		2.47
E6543819 (9650221)		1.22
E6543820 (9650222)		2.23
E6543821 (9650223)		1.80
E6543822 (9650224)		3.26
E6543823 (9650225)		4.03
E6543824 (9650226)		3.02
E6543825 (9650227)		1.91
E6543826 (9650228)		0.01
E6543827 (9650229)		0.81
E6543828 (9650230)		1.84
E6543829 (9650231)		0.92
E6543830 (9650232)		0.94

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6543831 (9650233)		2.81
E6543832 (9650234)		1.25
E6543833 (9650235)		2.01
E6543834 (9650236)		2.17
E6543835 (9650237)		2.25
E6543836 (9650238)		1.97
E6543837 (9650239)		1.93
E6543838 (9650240)		1.09
E6543839 (9650241)		3.16
E6543840 (9650242)		2.09
E6543841 (9650243)		3.55
E6543842 (9650244)		3.41
E6543843 (9650245)		2.14
E6543844 (9650246)		2.00
E6543845 (9650247)		1.99
E6543846 (9650248)		0.01
E6543847 (9650249)		1.87
E6543848 (9650250)		2.00
E6543849 (9650251)		1.83
E6543850 (9650252)		2.15
E6543851 (9650253)		2.48
E6543852 (9650254)		1.44
E6543853 (9650255)		1.02
E6543854 (9650256)		0.88
E6543855 (9650257)		2.11
E6543856 (9650258)		1.92
E6543857 (9650259)		2.54
E6543858 (9650260)		2.54
E6543859 (9650261)		1.04
E6543860 (9650262)		1.34
E6543861 (9650263)		1.94

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6543862 (9650264)		2.45
E6543863 (9650265)		0.88
E6543864 (9650266)		1.31
E6543865 (9650267)		1.67
E6543866 (9650268)		0.01
E6543867 (9650269)		0.67
E6543868 (9650270)		0.96
E6543869 (9650271)		1.88
E6543870 (9650272)		0.87
E6543871 (9650273)		1.71
E6543872 (9650274)		1.52
E6543873 (9650275)		2.93
E6543874 (9650276)		2.65
E6543875 (9650277)		1.21
E6543876 (9650278)		1.04
E6543877 (9650279)		2.13
E6543878 (9650280)		2.13
E6543879 (9650281)		2.40
E6543880 (9650282)		1.60
E6543881 (9650283)		1.76
E6543882 (9650284)		1.83
E6543883 (9650285)		2.38
E6543884 (9650286)		2.31
E6543885 (9650287)		1.72
E6543886 (9650288)		0.01
E6543887 (9650289)		0.64
E6543888 (9650290)		1.79

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E6543800 (9650202)	<1	7.30	23	<20	84.6	<5	0.3	3.29	0.3	51.1	32.8	0.053	0.9	316	
E6543801 (9650203)	<1	6.29	27	<20	92.6	<5	1.5	3.80	1.0	42.3	55.4	0.051	0.7	434	
E6543802 (9650204)	2	5.24	40	<20	10.1	<5	2.5	5.12	0.3	47.0	81.9	0.157	1.1	1630	
E6543803 (9650205)	<1	5.71	27	<20	152	<5	0.4	5.21	<0.2	48.1	52.7	0.124	1.1	104	
E6543804 (9650206)	<1	5.76	37	<20	163	<5	0.7	5.60	<0.2	45.2	57.6	0.127	1.0	87	
E6543805 (9650207)	<1	5.59	41	<20	204	<5	0.2	5.48	<0.2	43.9	59.2	0.125	1.1	78	
E6543806 (9650208)	<1	4.55	562	131	179	<5	8.4	4.32	<0.2	73.0	972	0.006	3.0	3010	
E6543807 (9650209)	<1	6.15	72	<20	569	<5	1.9	5.22	0.4	48.0	51.9	0.130	1.0	217	
E6543808 (9650210)	1	7.08	96	<20	416	<5	9.5	2.88	<0.2	76.0	49.8	0.056	0.6	601	
E6543809 (9650211)	1	6.57	151	20	209	<5	2.8	2.34	<0.2	70.0	88.9	0.166	0.5	2040	
E6543810 (9650212)	<1	6.24	88	21	121	<5	1.0	1.69	<0.2	58.9	82.3	0.081	0.6	1160	
E6543811 (9650213)	<1	5.98	27	<20	55.4	<5	0.5	3.47	<0.2	87.3	66.3	0.117	1.6	46	
E6543812 (9650214)	<1	0.10	<5	<20	19.6	<5	<0.1	36.9	<0.2	0.9	0.9	<0.005	<0.1	5	
E6543813 (9650215)	<1	6.49	33	<20	27.7	<5	0.4	2.13	<0.2	86.9	88.6	0.117	1.2	115	
E6543814 (9650216)	<1	6.21	159	<20	29.6	<5	2.0	2.74	<0.2	105	330	0.078	1.0	641	
E6543815 (9650217)	<1	6.84	15	<20	44.1	<5	0.3	2.81	<0.2	40.7	52.6	0.018	0.8	94	
E6543816 (9650218)	<1	7.15	7	<20	41.3	<5	0.1	2.18	<0.2	38.8	27.1	0.020	1.3	102	
E6543817 (9650219)	<1	7.37	9	<20	14.5	<5	<0.1	3.12	<0.2	58.6	26.9	0.037	1.7	348	
E6543818 (9650220)	<1	7.41	6	<20	13.7	<5	<0.1	3.08	<0.2	60.1	26.3	0.036	1.7	363	
E6543819 (9650221)	<1	6.94	<5	<20	26.3	<5	<0.1	1.75	<0.2	52.6	14.4	0.015	1.4	389	
E6543820 (9650222)	<1	7.36	<5	<20	16.5	<5	<0.1	4.13	<0.2	67.9	20.5	0.032	1.4	189	
E6543821 (9650223)	<1	5.58	8	<20	6.7	<5	<0.1	6.73	<0.2	68.2	33.8	0.066	1.3	916	
E6543822 (9650224)	<1	6.26	12	<20	12.9	<5	0.1	2.09	<0.2	28.4	53.0	0.016	0.8	121	
E6543823 (9650225)	<1	7.52	71	<20	128	<5	1.4	5.20	<0.2	28.3	31.8	0.028	20.2	519	
E6543824 (9650226)	<1	6.88	42	<20	17.2	<5	0.2	4.02	<0.2	55.9	74.4	0.059	1.6	732	
E6543825 (9650227)	<1	8.39	137	27	6.8	<5	1.7	1.04	<0.2	22.3	98.1	0.030	2.0	1120	
E6543826 (9650228)	<1	4.72	572	128	178	<5	8.3	4.28	<0.2	75.4	1000	0.007	3.0	3070	
E6543827 (9650229)	<1	4.46	25	<20	4.1	<5	1.0	10.4	<0.2	55.7	37.0	0.038	1.2	5380	
E6543828 (9650230)	<1	2.53	12	<20	2.1	<5	0.2	13.5	<0.2	35.5	17.4	0.084	0.8	196	
E6543829 (9650231)	<1	0.94	<5	<20	2.4	5	0.2	17.4	<0.2	73.7	9.4	0.029	0.3	98	
E6543830 (9650232)	<1	5.90	<5	<20	7.6	<5	<0.1	1.06	<0.2	10.3	27.0	0.156	2.2	35	
E6543831 (9650233)	<1	9.45	36	28	380	<5	0.2	1.13	<0.2	11.4	53.9	0.040	1.6	97	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6543832 (9650234)	<1	0.14	<5	<20	29.0	<5	<0.1	36.8	<0.2	0.9	1.1	<0.005	<0.1	<5
E6543833 (9650235)	<1	9.99	16	27	558	<5	<0.1	0.95	<0.2	6.3	21.5	0.045	1.5	75
E6543834 (9650236)	<1	9.92	17	34	821	<5	<0.1	0.72	<0.2	7.0	24.3	0.042	2.1	69
E6543835 (9650237)	<1	9.58	16	29	892	<5	<0.1	1.06	<0.2	6.8	27.3	0.045	2.6	73
E6543836 (9650238)	<1	5.62	<5	<20	107	<5	<0.1	5.36	<0.2	18.4	52.9	0.182	0.8	22
E6543837 (9650239)	<1	5.23	9	<20	223	<5	0.2	5.60	<0.2	30.3	60.3	0.191	1.4	22
E6543838 (9650240)	<1	5.43	9	<20	241	<5	0.2	5.67	<0.2	27.8	53.3	0.202	1.9	27
E6543839 (9650241)	<1	6.20	<5	<20	223	<5	<0.1	5.23	<0.2	23.9	53.8	0.170	0.8	57
E6543840 (9650242)	<1	9.06	10	<20	410	<5	<0.1	2.25	<0.2	13.5	38.8	0.072	1.5	78
E6543841 (9650243)	<1	5.54	<5	<20	89.2	<5	<0.1	5.85	<0.2	16.5	51.7	0.178	1.2	26
E6543842 (9650244)	<1	5.64	<5	<20	30.1	<5	<0.1	5.83	<0.2	7.8	48.1	0.182	0.9	31
E6543843 (9650245)	<1	9.49	<5	34	941	<5	<0.1	0.95	<0.2	7.3	9.9	0.037	1.9	23
E6543844 (9650246)	<1	9.74	<5	30	761	<5	<0.1	0.63	<0.2	6.3	10.9	0.043	1.8	10
E6543845 (9650247)	<1	10.2	<5	32	803	<5	<0.1	0.63	<0.2	4.2	9.9	0.038	2.3	8
E6543846 (9650248)	<1	4.65	589	132	183	<5	8.2	4.28	<0.2	72.6	1050	0.006	3.0	3100
E6543847 (9650249)	<1	10.7	14	56	485	<5	0.3	1.42	<0.2	5.8	39.8	0.048	2.0	133
E6543848 (9650250)	<1	10.0	29	54	341	<5	0.2	1.19	0.2	5.8	37.9	0.042	1.9	116
E6543849 (9650251)	<1	10.5	34	46	498	<5	<0.1	0.78	<0.2	5.5	32.8	0.046	1.8	81
E6543850 (9650252)	<1	9.99	5	36	620	<5	<0.1	1.16	<0.2	6.1	37.0	0.044	1.7	122
E6543851 (9650253)	<1	7.46	12	<20	169	<5	0.1	4.21	0.3	40.6	28.8	0.048	0.5	82
E6543852 (9650254)	<1	0.08	5	<20	22.3	<5	<0.1	35.9	<0.2	1.0	1.0	<0.005	<0.1	5
E6543853 (9650255)	<1	8.16	12	<20	128	<5	0.1	4.00	<0.2	27.1	29.9	0.048	1.7	95
E6543854 (9650256)	<1	9.39	17	<20	380	<5	0.2	2.65	<0.2	29.6	29.6	0.027	3.0	106
E6543855 (9650257)	<1	8.93	27	<20	128	<5	0.2	3.69	2.0	51.0	42.9	0.027	1.9	77
E6543856 (9650258)	<1	7.22	6	22	254	<5	<0.1	3.78	<0.2	60.2	30.3	0.042	2.1	31
E6543857 (9650259)	<1	8.18	<5	<20	71.0	<5	<0.1	2.93	<0.2	42.3	23.3	0.027	0.8	60
E6543858 (9650260)	<1	8.43	<5	<20	69.7	<5	<0.1	3.02	<0.2	41.7	22.9	0.027	1.1	62
E6543859 (9650261)	<1	6.18	91	32	54.7	<5	0.5	1.82	<0.2	57.9	139	0.134	0.6	75
E6543860 (9650262)	<1	5.70	<5	<20	167	<5	<0.1	4.22	<0.2	42.5	45.2	0.151	2.5	41
E6543861 (9650263)	<1	5.50	<5	<20	180	<5	<0.1	5.14	<0.2	44.4	44.3	0.125	1.5	21
E6543862 (9650264)	<1	8.25	11	<20	199	<5	<0.1	1.40	<0.2	35.4	33.4	0.022	1.5	59
E6543863 (9650265)	<1	7.89	8	32	397	<5	0.1	1.77	<0.2	9.4	47.5	0.020	2.5	50

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E6543864 (9650266)		<1	8.91	36	21	339	<5	0.2	0.95	<0.2	10.5	45.2	0.023	1.4	38
E6543865 (9650267)		<1	8.63	7	<20	77.0	<5	<0.1	0.70	<0.2	16.9	25.3	0.022	0.3	13
E6543866 (9650268)		<1	4.67	576	130	182	<5	8.4	4.46	<0.2	75.4	1020	0.006	2.9	3110
E6543867 (9650269)		<1	5.49	12	38	81.8	<5	0.6	12.3	<0.2	126	28.8	0.015	0.3	11
E6543868 (9650270)		<1	9.11	15	<20	243	<5	0.1	1.84	<0.2	18.2	29.9	0.023	0.7	20
E6543869 (9650271)		<1	7.91	61	<20	309	<5	0.6	4.20	<0.2	13.6	60.8	0.020	1.2	121
E6543870 (9650272)		<1	8.09	22	23	229	<5	<0.1	4.57	<0.2	34.8	36.1	0.020	1.0	17
E6543871 (9650273)		<1	8.31	12	<20	224	<5	<0.1	4.39	<0.2	19.3	30.9	0.022	1.5	24
E6543872 (9650274)		<1	0.08	<5	<20	18.4	<5	<0.1	37.3	<0.2	0.9	1.0	<0.005	<0.1	<5
E6543873 (9650275)		<1	8.57	10	<20	88.6	<5	<0.1	4.78	<0.2	23.8	28.2	0.022	1.5	35
E6543874 (9650276)		<1	8.01	7	31	133	<5	0.3	2.27	<0.2	11.2	51.8	0.020	7.5	124
E6543875 (9650277)		<1	7.79	<5	24	133	<5	0.1	4.36	<0.2	19.0	35.8	0.020	6.8	49
E6543876 (9650278)		<1	6.01	7	<20	14.2	<5	0.7	6.87	0.4	68.2	9.8	0.019	0.5	133
E6543877 (9650279)		<1	8.11	5	<20	19.1	<5	0.2	3.85	<0.2	44.9	6.8	0.022	0.3	10
E6543878 (9650280)		<1	8.19	5	<20	18.6	<5	0.2	3.99	<0.2	49.5	6.5	0.021	0.3	10
E6543879 (9650281)		1	7.70	41	<20	19.9	<5	9.0	2.62	0.2	33.8	22.0	0.025	0.3	42
E6543880 (9650282)		1	6.45	238	20	4.7	<5	4.3	4.04	<0.2	35.1	51.9	0.061	1.4	16
E6543881 (9650283)		4	6.71	175	73	12.2	<5	18.0	4.09	<0.2	54.3	40.9	0.044	0.6	22
E6543882 (9650284)		2	6.56	62	<20	10.0	<5	5.4	5.10	<0.2	52.0	23.9	0.032	0.3	14
E6543883 (9650285)		<1	6.37	43	<20	15.5	<5	3.7	6.04	<0.2	58.0	12.1	0.030	0.4	19
E6543884 (9650286)		<1	6.58	44	<20	9.6	<5	0.7	4.29	<0.2	27.9	12.3	0.037	0.6	16
E6543885 (9650287)		<1	7.18	8	<20	11.0	<5	0.2	4.02	<0.2	39.6	17.4	0.034	0.8	13
E6543886 (9650288)		<1	4.70	596	132	179	<5	8.7	4.33	<0.2	76.8	1060	0.006	3.2	3050
E6543887 (9650289)		<1	5.85	116	<20	11.1	<5	1.4	7.30	0.4	59.0	79.6	0.015	0.4	107
E6543888 (9650290)		<1	7.31	32	<20	17.4	<5	0.3	4.23	0.2	30.5	20.9	0.018	0.3	23

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6543800 (9650202)	2.81	1.44	1.67	4.32	15.3	4.18	1	3	0.55	<0.2	0.07	24.2	22	0.18
E6543801 (9650203)	2.74	1.44	1.25	4.66	13.5	3.82	2	3	0.51	<0.2	0.08	19.6	20	0.18
E6543802 (9650204)	2.43	1.39	0.94	9.04	15.4	3.62	2	2	0.48	<0.2	<0.05	21.5	48	0.22
E6543803 (9650205)	3.19	1.66	1.48	7.22	14.0	4.56	2	2	0.60	<0.2	0.30	21.4	36	0.26
E6543804 (9650206)	2.87	1.69	1.40	7.29	14.0	4.19	2	2	0.57	<0.2	0.33	20.0	38	0.24
E6543805 (9650207)	2.94	1.58	1.32	7.18	13.3	4.08	2	2	0.56	<0.2	0.34	18.8	30	0.22
E6543806 (9650208)	3.27	2.04	0.99	3.30	11.6	4.11	2	5	0.66	0.2	3.31	35.4	<10	0.32
E6543807 (9650209)	3.12	1.62	1.37	9.07	15.7	4.20	1	2	0.61	<0.2	0.94	21.5	69	0.27
E6543808 (9650210)	4.20	2.14	1.93	7.45	17.5	6.40	1	4	0.77	<0.2	0.97	33.8	96	0.27
E6543809 (9650211)	3.91	1.99	1.80	11.3	22.3	6.24	2	3	0.69	<0.2	0.66	31.6	129	0.29
E6543810 (9650212)	4.75	2.38	2.10	8.21	17.6	7.18	2	3	0.88	<0.2	1.03	25.6	92	0.31
E6543811 (9650213)	4.66	2.22	2.94	11.1	19.7	7.88	2	4	0.83	<0.2	0.22	42.5	61	0.30
E6543812 (9650214)	0.21	0.16	<0.05	0.09	0.19	0.19	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6543813 (9650215)	4.79	2.20	3.01	11.9	20.6	8.39	2	4	0.84	<0.2	0.18	39.6	97	0.30
E6543814 (9650216)	4.37	2.23	2.61	12.2	20.6	7.98	2	3	0.78	<0.2	0.55	50.5	55	0.32
E6543815 (9650217)	2.61	1.56	1.22	5.32	14.1	3.39	1	3	0.51	<0.2	0.42	19.3	21	0.22
E6543816 (9650218)	2.43	1.51	1.41	5.71	15.1	3.48	1	3	0.54	<0.2	0.15	18.5	21	0.26
E6543817 (9650219)	5.35	2.32	3.35	9.02	18.6	7.38	2	3	0.94	<0.2	0.08	26.9	36	0.31
E6543818 (9650220)	5.35	2.48	3.67	9.29	18.0	7.59	2	3	0.96	<0.2	0.08	27.3	36	0.30
E6543819 (9650221)	2.39	1.35	1.60	6.50	14.2	3.69	1	3	0.49	<0.2	0.11	25.4	26	0.23
E6543820 (9650222)	3.44	1.85	1.90	7.73	12.9	5.61	2	3	0.62	<0.2	0.20	31.2	34	0.28
E6543821 (9650223)	5.50	2.51	2.20	8.85	13.5	7.83	2	2	1.03	0.3	0.27	31.6	36	0.32
E6543822 (9650224)	2.37	1.32	0.97	6.97	12.3	3.19	1	3	0.46	<0.2	0.16	12.9	28	0.22
E6543823 (9650225)	4.11	2.70	1.43	10.4	18.0	3.60	2	2	0.91	<0.2	1.29	14.6	46	0.42
E6543824 (9650226)	4.91	2.52	2.40	10.7	18.7	6.79	2	4	0.94	0.2	0.20	24.5	63	0.37
E6543825 (9650227)	2.91	1.82	1.37	15.5	24.5	3.25	2	2	0.58	0.4	0.13	9.2	70	0.31
E6543826 (9650228)	3.33	2.00	1.01	3.30	11.7	4.27	2	5	0.68	0.2	3.41	36.9	13	0.32
E6543827 (9650229)	8.53	4.02	2.26	8.78	14.4	10.7	2	2	1.58	1.7	0.07	23.7	48	0.55
E6543828 (9650230)	8.37	3.88	1.76	4.68	8.95	9.29	1	<1	1.52	0.3	<0.05	14.9	22	0.67
E6543829 (9650231)	10.1	4.70	2.12	2.27	4.95	13.2	<1	<1	1.83	0.3	<0.05	33.9	17	0.66
E6543830 (9650232)	3.26	1.74	0.84	10.3	25.4	3.50	2	2	0.60	<0.2	<0.05	3.7	70	0.23
E6543831 (9650233)	2.23	1.42	0.85	2.89	18.5	2.21	2	2	0.45	<0.2	1.54	4.5	42	0.20

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6543832 (9650234)	0.25	0.25	<0.05	0.11	0.43	0.24	1	<1	0.07	<0.2	<0.05	1.1	<10	<0.05	
E6543833 (9650235)	1.44	0.88	0.59	1.52	18.2	1.30	1	2	0.28	<0.2	2.24	2.5	34	0.13	
E6543834 (9650236)	1.42	0.95	0.66	0.85	21.0	1.33	1	2	0.31	<0.2	3.20	2.8	34	0.14	
E6543835 (9650237)	1.30	0.84	0.65	1.36	20.8	1.27	1	2	0.26	<0.2	2.80	2.7	37	0.11	
E6543836 (9650238)	1.97	1.03	0.69	5.89	13.7	2.58	1	2	0.41	<0.2	0.32	7.5	88	0.16	
E6543837 (9650239)	2.08	1.22	0.89	5.45	13.2	3.00	1	2	0.42	<0.2	0.48	12.9	81	0.18	
E6543838 (9650240)	1.91	1.13	0.87	5.80	12.7	2.73	1	2	0.39	<0.2	0.56	12.0	85	0.18	
E6543839 (9650241)	1.85	1.10	0.89	5.09	13.5	2.59	2	2	0.36	<0.2	0.47	10.6	68	0.16	
E6543840 (9650242)	1.44	0.96	0.67	2.08	19.7	1.63	1	2	0.30	<0.2	1.04	5.8	45	0.13	
E6543841 (9650243)	1.84	1.09	0.70	5.75	13.3	2.40	2	2	0.39	<0.2	0.33	6.9	75	0.17	
E6543842 (9650244)	1.65	0.96	0.51	7.04	13.7	1.84	2	2	0.36	<0.2	0.19	2.8	63	0.16	
E6543843 (9650245)	1.53	0.89	0.78	1.61	18.3	1.58	1	2	0.33	<0.2	3.61	2.9	42	0.12	
E6543844 (9650246)	1.59	1.02	0.75	2.17	20.0	1.36	1	2	0.35	<0.2	3.93	2.4	38	0.14	
E6543845 (9650247)	1.17	0.77	0.48	2.07	20.4	1.00	1	2	0.23	<0.2	4.59	1.6	51	0.11	
E6543846 (9650248)	3.10	2.01	1.10	3.33	12.0	4.07	2	5	0.64	0.2	3.33	35.3	10	0.31	
E6543847 (9650249)	1.52	0.92	0.58	0.92	23.0	1.26	2	2	0.31	<0.2	3.95	2.4	43	0.15	
E6543848 (9650250)	1.38	0.85	0.57	0.83	21.9	1.24	2	2	0.29	<0.2	3.37	2.5	37	0.13	
E6543849 (9650251)	1.18	0.72	0.52	0.87	22.2	1.04	1	2	0.21	<0.2	3.99	2.4	37	0.11	
E6543850 (9650252)	1.07	0.67	0.68	1.22	21.8	1.13	1	2	0.23	<0.2	3.36	2.6	32	0.10	
E6543851 (9650253)	2.90	1.53	1.42	4.53	17.6	4.08	1	3	0.54	<0.2	0.71	17.1	36	0.21	
E6543852 (9650254)	0.20	0.15	0.05	0.09	0.32	0.21	1	<1	0.05	<0.2	<0.05	1.1	<10	<0.05	
E6543853 (9650255)	3.40	1.93	1.11	5.54	19.1	3.57	1	3	0.68	<0.2	0.68	10.5	34	0.30	
E6543854 (9650256)	4.28	2.32	1.93	6.27	20.4	4.45	1	2	0.86	<0.2	1.57	15.3	43	0.32	
E6543855 (9650257)	4.08	2.36	2.06	5.28	19.2	5.04	1	2	0.81	<0.2	0.68	27.2	32	0.33	
E6543856 (9650258)	4.30	2.33	1.95	7.47	18.1	5.80	2	3	0.86	<0.2	1.77	27.9	60	0.36	
E6543857 (9650259)	5.36	3.15	1.98	5.96	16.2	5.56	1	2	1.03	<0.2	0.53	19.7	39	0.42	
E6543858 (9650260)	5.19	3.17	2.08	6.12	16.6	5.46	1	2	1.03	<0.2	0.55	19.4	42	0.42	
E6543859 (9650261)	6.26	3.08	2.52	9.01	16.8	9.06	2	2	1.16	<0.2	1.25	26.4	139	0.40	
E6543860 (9650262)	3.63	2.03	1.61	9.89	14.8	4.97	2	2	0.70	<0.2	0.84	17.7	109	0.29	
E6543861 (9650263)	3.33	1.82	1.39	7.92	14.3	4.70	2	2	0.68	<0.2	0.66	19.4	67	0.27	
E6543862 (9650264)	4.61	2.84	1.42	8.76	18.8	4.20	1	2	0.98	<0.2	1.80	17.8	72	0.41	
E6543863 (9650265)	3.06	2.07	0.91	11.8	20.0	2.17	2	2	0.66	<0.2	1.88	3.5	88	0.37	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E6543864 (9650266)		3.71	2.63	1.31	8.33	19.1	2.93	1	2	0.86	<0.2	2.16	4.4	63	0.44
E6543865 (9650267)		4.35	2.68	1.23	9.83	20.4	4.02	2	2	0.91	<0.2	0.83	6.6	64	0.41
E6543866 (9650268)		3.17	1.96	1.05	3.38	11.8	4.05	2	5	0.65	0.2	3.37	37.0	10	0.32
E6543867 (9650269)		12.2	5.62	4.52	7.52	16.6	16.5	1	1	2.25	<0.2	1.14	55.5	60	0.73
E6543868 (9650270)		4.63	2.96	1.45	8.69	20.9	4.48	2	2	0.97	<0.2	1.12	7.6	60	0.45
E6543869 (9650271)		4.07	2.61	1.31	8.45	18.0	3.36	1	2	0.86	0.2	1.01	6.3	47	0.44
E6543870 (9650272)		4.63	2.74	2.20	7.53	20.2	4.73	2	2	0.95	0.3	1.19	17.0	41	0.38
E6543871 (9650273)		3.65	2.40	1.35	6.28	17.2	3.33	1	2	0.81	<0.2	0.83	8.3	31	0.36
E6543872 (9650274)		0.19	0.12	<0.05	0.08	0.19	0.19	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6543873 (9650275)		4.28	2.57	1.42	6.75	16.3	3.81	1	2	0.90	<0.2	0.43	10.2	28	0.39
E6543874 (9650276)		4.15	2.77	1.03	11.0	19.9	3.24	2	2	0.89	<0.2	1.21	4.0	76	0.45
E6543875 (9650277)		4.03	2.83	1.23	8.65	16.9	3.47	1	2	0.89	<0.2	1.05	7.7	46	0.43
E6543876 (9650278)		3.37	1.65	1.35	7.40	16.3	5.19	2	2	0.61	0.2	0.41	28.3	41	0.26
E6543877 (9650279)		3.72	2.12	1.27	5.85	16.5	4.83	1	2	0.74	<0.2	0.32	19.2	32	0.30
E6543878 (9650280)		3.71	2.06	1.17	5.83	15.9	5.07	1	2	0.73	<0.2	0.33	21.1	29	0.30
E6543879 (9650281)		3.02	1.61	1.19	6.93	16.8	4.16	2	2	0.57	<0.2	0.89	14.2	43	0.27
E6543880 (9650282)		5.78	3.03	1.38	13.3	23.0	6.46	2	4	1.12	0.3	<0.05	14.2	69	0.42
E6543881 (9650283)		4.61	2.47	1.36	11.5	20.7	6.09	2	4	0.87	0.3	0.57	23.5	69	0.34
E6543882 (9650284)		3.30	1.90	1.11	10.1	18.3	4.71	2	3	0.63	0.2	0.16	22.0	57	0.28
E6543883 (9650285)		4.23	2.34	1.35	8.86	18.4	6.01	2	5	0.80	0.2	0.16	23.4	46	0.35
E6543884 (9650286)		4.30	2.26	1.60	11.2	21.0	5.76	2	4	0.80	0.3	0.18	11.7	61	0.29
E6543885 (9650287)		5.90	3.14	1.67	10.9	23.6	6.59	2	5	1.12	0.3	0.15	17.2	60	0.37
E6543886 (9650288)		3.29	2.13	0.98	3.38	12.2	4.32	2	5	0.66	0.3	3.36	38.1	11	0.33
E6543887 (9650289)		9.99	5.33	1.77	6.05	14.0	10.4	1	3	1.89	0.4	0.43	26.1	45	0.71
E6543888 (9650290)		4.00	2.04	0.96	5.53	16.8	4.86	1	3	0.78	0.2	0.61	13.5	45	0.33

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6543800 (9650202)	4.20	794	3	6	24.6	175	0.12	63	6.37	5.7	0.13	1.1	16	30.3	
E6543801 (9650203)	4.04	809	3	5	20.4	188	0.10	2130	5.32	2.7	0.38	2.2	16	28.1	
E6543802 (9650204)	9.93	1690	9	3	23.6	561	0.14	313	5.96	2.1	0.21	2.2	24	21.8	
E6543803 (9650205)	8.34	1440	3	3	26.1	395	0.16	47	6.47	10.3	<0.01	0.7	24	23.1	
E6543804 (9650206)	8.15	1460	4	3	24.9	411	0.16	40	6.17	9.6	0.07	0.6	25	23.0	
E6543805 (9650207)	8.08	1470	2	3	23.7	410	0.16	6	5.95	11.1	0.11	0.5	24	23.4	
E6543806 (9650208)	2.52	480	12	8	30.3	174	0.07	12	8.53	112	1.64	1.6	7	28.5	
E6543807 (9650209)	8.05	1680	3	3	25.3	438	0.17	61	6.26	26.7	0.35	1.1	25	22.2	
E6543808 (9650210)	5.65	1050	<2	5	39.2	217	0.24	27	9.98	23.6	0.60	1.0	22	23.9	
E6543809 (9650211)	6.46	1540	5	4	35.1	392	0.23	17	8.93	15.3	0.58	1.2	30	22.9	
E6543810 (9650212)	5.10	1060	4	4	31.9	192	0.26	7	7.75	15.6	0.21	1.3	24	27.2	
E6543811 (9650213)	8.13	1590	<2	5	45.2	233	0.29	<5	11.1	12.7	0.25	0.7	26	20.4	
E6543812 (9650214)	1.22	16	<2	<1	0.8	<5	<0.01	<5	0.20	0.6	<0.01	<0.1	<5	4.24	
E6543813 (9650215)	7.47	1480	<2	5	47.3	203	0.30	<5	11.6	7.2	0.31	0.6	26	21.0	
E6543814 (9650216)	5.82	1480	<2	4	49.7	274	0.26	17	13.2	6.5	1.95	1.3	26	21.6	
E6543815 (9650217)	2.64	916	5	4	18.8	48	0.13	<5	5.11	5.4	0.16	0.9	16	29.3	
E6543816 (9650218)	2.82	962	3	4	18.8	67	0.15	6	4.88	4.4	0.05	1.0	17	29.4	
E6543817 (9650219)	4.49	1710	<2	5	33.8	121	0.19	9	7.96	2.7	0.06	1.3	19	24.2	
E6543818 (9650220)	4.44	1730	<2	5	34.0	121	0.19	9	8.25	2.5	0.06	1.2	20	23.9	
E6543819 (9650221)	3.35	1050	<2	4	23.6	64	0.14	14	6.40	3.1	0.04	0.7	16	28.1	
E6543820 (9650222)	3.93	1670	29	4	34.8	83	0.15	<5	8.84	4.6	<0.01	0.9	15	24.1	
E6543821 (9650223)	5.29	2160	7	2	35.9	108	0.11	<5	8.84	3.4	0.12	1.2	17	20.6	
E6543822 (9650224)	3.41	1270	3	4	15.5	54	0.13	<5	3.78	2.5	0.13	0.6	15	29.5	
E6543823 (9650225)	3.85	1760	<2	2	14.1	139	0.04	<5	3.52	158	0.68	1.1	42	22.1	
E6543824 (9650226)	5.31	1990	<2	5	31.3	156	0.26	<5	7.57	6.3	0.09	1.0	28	23.1	
E6543825 (9650227)	7.88	2550	<2	2	13.2	197	0.05	8	3.12	4.4	0.94	1.0	47	17.5	
E6543826 (9650228)	2.53	480	13	9	31.7	178	0.07	12	9.00	112	1.63	1.6	7	28.2	
E6543827 (9650229)	7.13	2010	<2	2	33.9	120	0.06	<5	7.70	2.3	0.68	1.4	32	14.8	
E6543828 (9650230)	8.90	1960	3	<1	23.8	130	0.06	<5	5.17	1.6	<0.01	0.3	27	12.2	
E6543829 (9650231)	8.23	1830	3	<1	43.3	47	0.02	31	10.1	0.7	<0.01	0.7	31	10.6	
E6543830 (9650232)	6.90	1860	2	2	8.6	296	0.13	<5	1.75	3.3	<0.01	0.9	25	25.0	
E6543831 (9650233)	1.71	488	8	4	7.3	137	0.05	16	1.65	75.5	0.06	1.5	52	29.3	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6543832 (9650234)	0.83	<10	<2	<1	0.8	10	<0.01	<5	0.20	0.5	<0.01	<0.1	<5	4.49	
E6543833 (9650235)	1.01	258	5	2	4.1	95	0.03	<5	0.92	92.5	<0.01	0.9	51	30.2	
E6543834 (9650236)	0.68	126	4	2	4.2	80	0.04	6	1.01	130	<0.01	1.1	55	31.2	
E6543835 (9650237)	1.10	230	6	2	4.2	137	0.03	11	0.96	124	0.04	0.7	70	31.0	
E6543836 (9650238)	9.07	1530	2	2	11.8	535	0.13	<5	2.58	11.2	<0.01	0.6	22	24.1	
E6543837 (9650239)	9.90	1460	<2	2	16.3	547	0.14	12	3.92	20.5	<0.01	0.3	21	22.7	
E6543838 (9650240)	10.8	1540	<2	2	15.0	606	0.15	25	3.68	25.6	<0.01	0.4	22	23.5	
E6543839 (9650241)	8.86	1320	<2	2	13.3	476	0.13	<5	3.21	18.0	<0.01	0.4	29	26.1	
E6543840 (9650242)	2.70	430	4	3	7.7	172	0.06	27	1.77	49.6	0.02	0.4	51	29.0	
E6543841 (9650243)	9.29	1410	<2	2	11.3	506	0.13	<5	2.48	13.6	<0.01	0.5	21	23.9	
E6543842 (9650244)	9.20	1520	<2	2	6.2	512	0.14	<5	1.26	9.7	<0.01	0.5	23	23.6	
E6543843 (9650245)	1.32	268	4	3	5.3	82	0.02	<5	1.14	155	<0.01	0.5	36	29.2	
E6543844 (9650246)	1.49	301	4	2	4.5	78	0.03	<5	1.02	154	<0.01	0.6	56	30.8	
E6543845 (9650247)	1.63	318	5	2	3.1	77	0.03	<5	0.68	182	<0.01	0.6	56	29.8	
E6543846 (9650248)	2.50	485	12	8	30.7	184	0.07	13	8.45	118	1.66	1.5	7	28.6	
E6543847 (9650249)	0.68	136	4	3	4.0	99	0.03	53	0.84	151	0.03	0.6	92	32.2	
E6543848 (9650250)	0.60	146	4	2	3.8	85	0.03	33	0.84	144	0.02	0.5	86	32.1	
E6543849 (9650251)	0.60	104	3	2	3.3	78	0.03	12	0.78	152	<0.01	0.6	116	30.8	
E6543850 (9650252)	0.59	171	4	3	3.6	75	0.03	11	0.83	117	<0.01	0.3	61	31.3	
E6543851 (9650253)	3.41	1080	6	5	22.3	151	0.10	135	5.52	21.2	<0.01	0.5	23	26.5	
E6543852 (9650254)	1.06	12	<2	<1	0.8	5	<0.01	<5	0.20	1.1	<0.01	<0.1	<5	4.49	
E6543853 (9650255)	2.87	1080	4	4	15.8	131	0.09	<5	3.73	28.4	0.04	0.5	28	27.1	
E6543854 (9650256)	1.96	987	3	2	15.1	149	0.03	79	3.73	68.2	0.04	0.5	44	26.4	
E6543855 (9650257)	2.02	944	3	3	24.1	132	0.05	344	6.12	32.8	0.12	0.9	39	26.4	
E6543856 (9650258)	4.78	1190	<2	4	31.9	112	0.19	<5	7.95	42.3	<0.01	0.3	26	24.2	
E6543857 (9650259)	3.08	929	<2	3	23.0	93	0.07	<5	5.65	13.9	<0.01	0.4	42	24.8	
E6543858 (9650260)	3.14	947	<2	3	22.6	87	0.07	<5	5.47	17.2	<0.01	0.4	42	25.6	
E6543859 (9650261)	7.09	1060	3	4	34.1	333	0.17	<5	7.97	14.3	0.13	0.4	30	23.2	
E6543860 (9650262)	9.47	1540	<2	3	24.4	441	0.16	<5	5.79	36.4	<0.01	0.2	29	21.5	
E6543861 (9650263)	8.12	1580	5	3	24.6	398	0.14	<5	5.84	26.7	<0.01	0.2	25	22.6	
E6543862 (9650264)	4.30	1260	2	2	17.3	133	0.04	<5	4.37	39.5	<0.01	0.4	43	24.6	
E6543863 (9650265)	4.73	1580	<2	2	5.8	139	0.03	<5	1.36	57.9	0.05	0.6	43	22.8	

Certified By:



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PROJECT: DDH-221

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6543864 (9650266)	3.65	1240	2	2	6.8	130	0.04	<5	1.52	52.2	0.04	0.3	49	24.5	
E6543865 (9650267)	4.17	1530	2	2	11.1	119	0.04	<5	2.55	14.6	<0.01	0.3	38	24.5	
E6543866 (9650268)	2.55	493	12	8	32.0	178	0.07	12	8.85	114	1.64	1.7	7	29.1	
E6543867 (9650269)	3.47	2680	4	2	68.6	99	0.02	<5	16.6	19.1	<0.01	0.2	38	17.0	
E6543868 (9650270)	3.65	1580	2	3	12.2	122	0.04	<5	2.58	28.1	<0.01	0.2	46	23.4	
E6543869 (9650271)	3.05	1650	3	2	8.2	141	0.03	<5	1.83	37.7	0.19	0.4	45	22.6	
E6543870 (9650272)	2.68	1490	8	2	17.4	109	0.04	<5	4.35	44.1	<0.01	0.3	37	24.5	
E6543871 (9650273)	2.01	1190	<2	2	11.3	86	0.04	<5	2.60	37.7	<0.01	0.2	41	25.6	
E6543872 (9650274)	0.82	14	<2	<1	0.8	<5	<0.01	<5	0.18	0.7	<0.01	<0.1	<5	4.39	
E6543873 (9650275)	2.07	1230	<2	3	13.4	102	0.04	<5	3.13	22.8	<0.01	0.3	41	25.7	
E6543874 (9650276)	4.58	1360	3	2	7.8	159	0.04	<5	1.71	95.8	0.04	0.6	48	22.8	
E6543875 (9650277)	2.98	1380	<2	2	11.0	108	0.04	<5	2.63	88.5	<0.01	0.6	43	23.2	
E6543876 (9650278)	3.08	2060	2	4	35.4	73	0.06	<5	8.93	4.7	<0.01	0.8	24	23.0	
E6543877 (9650279)	2.54	1540	4	3	24.1	60	0.04	<5	5.92	3.8	<0.01	0.8	27	25.6	
E6543878 (9650280)	2.52	1560	3	3	27.0	61	0.04	<5	6.63	3.5	<0.01	0.7	26	25.7	
E6543879 (9650281)	2.96	1230	4	5	18.3	115	0.13	13	4.55	6.8	0.15	1.9	25	28.2	
E6543880 (9650282)	5.72	2360	<2	6	22.1	301	0.19	<5	4.87	3.4	<0.01	2.0	25	19.9	
E6543881 (9650283)	5.30	2200	<2	5	30.1	248	0.21	5	7.31	4.7	<0.01	2.6	25	22.1	
E6543882 (9650284)	4.11	2180	<2	5	27.7	145	0.16	5	6.81	1.9	<0.01	1.4	20	23.0	
E6543883 (9650285)	3.62	2240	2	8	32.9	114	0.22	12	8.01	2.6	<0.01	1.4	18	24.0	
E6543884 (9650286)	5.08	2220	<2	7	18.3	207	0.26	<5	4.04	3.1	<0.01	0.8	22	22.2	
E6543885 (9650287)	4.48	2730	<2	7	23.2	162	0.27	6	5.39	4.4	<0.01	2.3	21	22.2	
E6543886 (9650288)	2.56	494	12	9	31.6	180	0.07	13	9.01	119	1.59	1.7	7	28.4	
E6543887 (9650289)	6.12	2080	10	5	34.1	72	0.13	32	8.07	3.7	<0.01	0.9	28	18.4	
E6543888 (9650290)	3.75	1650	2	5	17.9	69	0.13	45	4.19	5.5	<0.01	1.0	20	26.4	

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6543800 (9650202)	4.7	1	276	<0.5	0.56	3.8	0.42	<0.5	0.19	1.36	123	3	15.3	1.2
E6543801 (9650203)	4.3	<1	189	<0.5	0.52	3.3	0.36	<0.5	0.18	1.20	105	3	15.2	1.2
E6543802 (9650204)	4.3	<1	31.3	<0.5	0.47	2.6	0.32	<0.5	0.21	0.72	155	1	13.9	1.4
E6543803 (9650205)	5.0	<1	345	<0.5	0.63	2.7	0.37	<0.5	0.25	0.76	158	<1	17.0	1.8
E6543804 (9650206)	5.1	<1	267	<0.5	0.60	2.5	0.38	<0.5	0.23	0.67	165	<1	16.8	1.5
E6543805 (9650207)	4.8	<1	341	<0.5	0.57	2.4	0.37	<0.5	0.22	0.65	163	<1	16.0	1.6
E6543806 (9650208)	5.3	1	28.6	<0.5	0.60	11.5	0.24	0.8	0.29	6.96	57	4	19.0	2.1
E6543807 (9650209)	4.9	<1	81.6	<0.5	0.62	2.8	0.38	<0.5	0.24	0.68	170	<1	17.2	1.7
E6543808 (9650210)	7.5	<1	107	<0.5	0.91	4.8	0.47	<0.5	0.28	1.27	161	1	22.6	1.9
E6543809 (9650211)	7.0	<1	30.5	<0.5	0.85	4.3	0.42	<0.5	0.28	1.22	193	1	21.2	1.8
E6543810 (9650212)	7.7	1	35.1	<0.5	0.97	4.6	0.44	<0.5	0.29	1.51	170	1	25.3	2.0
E6543811 (9650213)	9.0	<1	43.2	<0.5	1.01	4.8	0.54	<0.5	0.30	1.47	178	<1	24.1	1.9
E6543812 (9650214)	0.1	<1	64.6	<0.5	<0.05	0.1	<0.01	<0.5	<0.05	0.20	<5	<1	2.2	0.1
E6543813 (9650215)	10.0	1	37.0	<0.5	1.12	4.9	0.55	<0.5	0.28	1.55	185	<1	25.3	2.0
E6543814 (9650216)	9.5	1	34.3	<0.5	1.03	4.4	0.47	<0.5	0.29	2.07	177	<1	23.1	2.0
E6543815 (9650217)	3.6	<1	93.2	<0.5	0.50	2.7	0.30	<0.5	0.21	1.09	110	<1	15.0	1.6
E6543816 (9650218)	3.5	1	94.7	<0.5	0.47	3.6	0.32	<0.5	0.24	1.23	121	<1	14.5	1.5
E6543817 (9650219)	8.3	<1	26.0	<0.5	1.07	6.2	0.48	<0.5	0.31	1.60	155	<1	26.5	2.0
E6543818 (9650220)	8.4	<1	24.9	<0.5	1.09	6.4	0.48	<0.5	0.31	1.60	157	<1	26.2	2.1
E6543819 (9650221)	4.4	<1	30.6	<0.5	0.52	3.2	0.30	<0.5	0.20	1.30	108	<1	12.9	1.4
E6543820 (9650222)	6.9	<1	40.9	<0.5	0.72	3.3	0.31	<0.5	0.25	1.44	111	<1	18.5	1.8
E6543821 (9650223)	8.0	<1	33.3	<0.5	1.12	3.2	0.23	<0.5	0.34	1.09	103	<1	28.9	2.3
E6543822 (9650224)	3.5	<1	25.6	<0.5	0.45	2.9	0.29	<0.5	0.20	1.16	110	<1	13.8	1.3
E6543823 (9650225)	3.3	<1	72.7	<0.5	0.62	0.4	0.53	1.3	0.41	0.42	278	2	25.4	2.7
E6543824 (9650226)	7.2	<1	42.8	<0.5	0.97	4.4	0.54	<0.5	0.36	1.30	207	1	27.6	2.4
E6543825 (9650227)	3.2	<1	7.6	<0.5	0.49	0.7	0.59	<0.5	0.27	1.98	293	1	17.1	1.9
E6543826 (9650228)	5.4	<1	31.1	<0.5	0.62	11.4	0.24	0.8	0.30	7.30	55	5	19.4	2.2
E6543827 (9650229)	9.9	<1	34.1	<0.5	1.69	1.3	0.28	<0.5	0.55	1.82	138	<1	49.0	3.6
E6543828 (9650230)	8.2	<1	35.9	<0.5	1.58	0.9	0.12	<0.5	0.58	0.61	73	<1	45.2	4.2
E6543829 (9650231)	12.2	<1	49.1	<0.5	2.02	0.5	0.03	<0.5	0.63	0.39	40	<1	59.5	4.4
E6543830 (9650232)	3.0	<1	11.9	<0.5	0.57	2.2	0.29	<0.5	0.21	0.90	164	<1	18.7	1.5
E6543831 (9650233)	2.1	<1	131	<0.5	0.38	0.6	0.80	<0.5	0.19	0.27	338	3	11.9	1.2

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TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018						DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core			
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6543832 (9650234)	0.2	<1	62.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.19	<5	<1	2.9	0.2	
E6543833 (9650235)	1.1	<1	139	<0.5	0.22	0.3	0.71	<0.5	0.12	0.14	343	2	7.6	0.8	
E6543834 (9650236)	1.2	<1	124	<0.5	0.25	0.3	0.72	<0.5	0.13	0.08	327	3	8.2	0.9	
E6543835 (9650237)	1.0	<1	148	<0.5	0.21	0.4	0.69	<0.5	0.12	0.12	284	4	7.9	0.8	
E6543836 (9650238)	2.7	<1	48.0	<0.5	0.38	2.4	0.26	<0.5	0.15	0.75	155	<1	11.7	1.1	
E6543837 (9650239)	3.3	<1	61.9	<0.5	0.41	2.6	0.25	<0.5	0.16	0.76	127	<1	11.9	1.1	
E6543838 (9650240)	3.1	<1	53.9	<0.5	0.40	2.5	0.26	<0.5	0.17	0.78	134	<1	11.3	1.2	
E6543839 (9650241)	2.8	<1	131	<0.5	0.37	2.3	0.33	<0.5	0.16	0.71	155	1	11.3	1.0	
E6543840 (9650242)	1.7	<1	345	<0.5	0.27	1.2	0.61	<0.5	0.13	0.40	234	3	9.0	0.8	
E6543841 (9650243)	2.5	<1	64.0	<0.5	0.35	2.8	0.27	<0.5	0.15	0.78	133	<1	11.1	1.0	
E6543842 (9650244)	1.7	<1	47.5	<0.5	0.28	2.7	0.27	<0.5	0.15	0.76	150	<1	9.9	1.0	
E6543843 (9650245)	1.4	<1	84.5	<0.5	0.27	0.4	0.70	0.5	0.12	0.30	325	4	8.3	0.9	
E6543844 (9650246)	1.2	<1	54.8	<0.5	0.24	0.3	0.72	<0.5	0.14	0.29	333	3	8.1	0.9	
E6543845 (9650247)	0.9	<1	65.9	<0.5	0.17	0.3	0.73	0.6	0.10	0.26	318	4	6.4	0.7	
E6543846 (9650248)	5.2	1	29.0	<0.5	0.61	11.1	0.24	0.8	0.28	6.87	59	4	19.8	2.1	
E6543847 (9650249)	1.2	<1	124	<0.5	0.25	0.4	0.80	<0.5	0.14	0.09	359	1	8.0	1.0	
E6543848 (9650250)	1.0	<1	104	<0.5	0.24	0.3	0.74	<0.5	0.12	0.08	319	3	7.6	0.8	
E6543849 (9650251)	1.0	<1	108	<0.5	0.18	0.3	0.77	<0.5	0.10	0.08	380	2	5.6	0.7	
E6543850 (9650252)	0.9	5	191	<0.5	0.21	0.4	0.71	<0.5	0.10	0.13	375	4	5.9	0.7	
E6543851 (9650253)	4.5	1	186	<0.5	0.56	3.0	0.44	<0.5	0.19	1.16	151	2	16.7	1.5	
E6543852 (9650254)	0.2	<1	66.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.15	<5	<1	2.5	0.1	
E6543853 (9650255)	3.5	<1	143	<0.5	0.60	2.5	0.53	<0.5	0.30	1.08	205	1	19.9	2.0	
E6543854 (9650256)	3.6	<1	147	<0.5	0.77	0.4	0.65	<0.5	0.34	0.58	330	3	23.4	2.3	
E6543855 (9650257)	5.0	<1	151	<0.5	0.77	1.0	0.64	<0.5	0.33	0.91	275	2	22.1	2.2	
E6543856 (9650258)	6.3	1	106	<0.5	0.86	3.5	0.49	<0.5	0.34	1.14	195	<1	25.4	2.2	
E6543857 (9650259)	5.4	<1	68.5	<0.5	0.91	1.1	0.65	<0.5	0.43	0.76	275	2	28.0	2.9	
E6543858 (9650260)	5.4	<1	70.4	<0.5	0.86	1.2	0.66	<0.5	0.40	0.71	274	2	27.7	2.7	
E6543859 (9650261)	9.0	<1	30.3	<0.5	1.25	2.7	0.40	<0.5	0.40	1.17	172	<1	37.2	2.7	
E6543860 (9650262)	5.2	<1	39.2	<0.5	0.71	2.4	0.41	<0.5	0.27	0.70	184	<1	21.1	1.8	
E6543861 (9650263)	4.9	<1	78.6	<0.5	0.67	2.4	0.38	<0.5	0.27	0.61	165	<1	19.1	1.7	
E6543862 (9650264)	3.8	<1	49.7	<0.5	0.74	0.6	0.67	<0.5	0.39	0.74	301	2	26.8	2.8	
E6543863 (9650265)	1.7	1	89.1	<0.5	0.44	0.5	0.61	<0.5	0.33	0.39	297	2	18.0	2.3	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
Sample ID (AGAT ID)														
E6543864 (9650266)	2.1	<1	63.3	<0.5	0.57	0.5	0.71	<0.5	0.39	0.50	337	2	23.2	2.7
E6543865 (9650267)	3.3	1	31.8	<0.5	0.69	0.4	0.68	<0.5	0.39	0.91	303	2	24.6	2.7
E6543866 (9650268)	5.4	2	29.4	<0.5	0.62	11.2	0.24	0.8	0.30	6.97	59	4	19.5	2.0
E6543867 (9650269)	16.7	<1	39.9	<0.5	2.47	0.5	0.45	<0.5	0.72	1.03	184	<1	68.0	4.8
E6543868 (9650270)	3.6	<1	52.0	<0.5	0.77	0.5	0.72	<0.5	0.43	0.76	334	1	26.9	2.9
E6543869 (9650271)	2.6	<1	81.4	<0.5	0.62	0.4	0.62	<0.5	0.38	0.27	308	1	24.8	2.7
E6543870 (9650272)	4.1	1	123	<0.5	0.74	0.5	0.60	<0.5	0.40	0.55	283	1	28.0	2.5
E6543871 (9650273)	2.8	2	120	<0.5	0.59	0.4	0.65	<0.5	0.35	0.39	286	2	22.6	2.4
E6543872 (9650274)	0.2	<1	68.4	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.18	<5	<1	2.1	0.1
E6543873 (9650275)	3.2	1	103	<0.5	0.69	0.4	0.67	<0.5	0.36	0.45	284	2	24.6	2.5
E6543874 (9650276)	2.4	2	91.2	<0.5	0.63	0.4	0.64	0.6	0.41	0.41	335	3	25.6	2.9
E6543875 (9650277)	2.8	2	107	<0.5	0.67	0.4	0.62	0.6	0.40	0.40	273	2	25.2	2.9
E6543876 (9650278)	6.4	2	52.6	<0.5	0.69	1.7	0.56	<0.5	0.21	0.58	158	<1	17.4	1.6
E6543877 (9650279)	5.0	1	37.9	<0.5	0.73	0.7	0.63	<0.5	0.30	0.70	197	<1	22.7	2.0
E6543878 (9650280)	5.6	<1	38.7	<0.5	0.75	0.8	0.64	<0.5	0.29	0.66	193	<1	21.8	2.0
E6543879 (9650281)	4.1	1	25.8	<0.5	0.59	2.0	0.67	<0.5	0.23	1.49	177	<1	17.0	1.6
E6543880 (9650282)	6.0	2	23.2	<0.5	1.07	2.9	0.77	<0.5	0.40	2.14	195	<1	29.6	2.8
E6543881 (9650283)	6.6	2	28.8	<0.5	0.89	4.2	0.66	<0.5	0.35	2.25	172	<1	23.2	2.3
E6543882 (9650284)	5.3	1	51.2	<0.5	0.67	5.9	0.48	<0.5	0.26	1.88	155	<1	16.6	1.8
E6543883 (9650285)	6.8	1	59.7	<0.5	0.82	3.9	0.72	<0.5	0.32	2.71	158	1	21.3	2.2
E6543884 (9650286)	5.4	5	35.8	<0.5	0.85	3.6	0.84	<0.5	0.29	1.63	200	<1	24.4	1.9
E6543885 (9650287)	6.2	3	42.8	<0.5	1.06	3.6	0.89	<0.5	0.42	1.77	197	<1	30.3	2.7
E6543886 (9650288)	5.4	1	29.5	<0.5	0.65	11.7	0.24	0.9	0.28	7.26	58	4	19.9	2.2
E6543887 (9650289)	8.9	<1	41.9	<0.5	1.78	2.8	0.39	<0.5	0.70	2.04	124	<1	62.9	4.7
E6543888 (9650290)	4.7	1	40.8	<0.5	0.74	3.1	0.38	<0.5	0.28	1.36	119	<1	23.9	2.2

Certified By:



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AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 22, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6543800 (9650202)		188	126
E6543801 (9650203)		333	109
E6543802 (9650204)		239	77.4
E6543803 (9650205)		188	85.8
E6543804 (9650206)		175	84.4
E6543805 (9650207)		175	80.8
E6543806 (9650208)		8	169
E6543807 (9650209)		241	85.5
E6543808 (9650210)		121	143
E6543809 (9650211)		188	114
E6543810 (9650212)		134	134
E6543811 (9650213)		212	144
E6543812 (9650214)		<5	2.4
E6543813 (9650215)		205	144
E6543814 (9650216)		176	131
E6543815 (9650217)		81	109
E6543816 (9650218)		82	118
E6543817 (9650219)		108	136
E6543818 (9650220)		111	132
E6543819 (9650221)		68	117
E6543820 (9650222)		63	115
E6543821 (9650223)		75	74.7
E6543822 (9650224)		56	110
E6543823 (9650225)		76	53.2
E6543824 (9650226)		106	150
E6543825 (9650227)		130	63.8
E6543826 (9650228)		7	174
E6543827 (9650229)		83	56.3
E6543828 (9650230)		42	29.3
E6543829 (9650231)		28	9.5
E6543830 (9650232)		114	65.1
E6543831 (9650233)		37	81.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6543832 (9650234)		<5	2.1
E6543833 (9650235)		21	65.7
E6543834 (9650236)		13	68.8
E6543835 (9650237)		20	69.4
E6543836 (9650238)		88	68.6
E6543837 (9650239)		92	69.3
E6543838 (9650240)		98	69.4
E6543839 (9650241)		86	68.8
E6543840 (9650242)		40	79.1
E6543841 (9650243)		91	71.5
E6543842 (9650244)		78	69.6
E6543843 (9650245)		15	67.9
E6543844 (9650246)		20	66.1
E6543845 (9650247)		21	68.0
E6543846 (9650248)		6	180
E6543847 (9650249)		56	72.5
E6543848 (9650250)		74	68.3
E6543849 (9650251)		28	68.0
E6543850 (9650252)		18	66.0
E6543851 (9650253)		113	114
E6543852 (9650254)		<5	3.1
E6543853 (9650255)		89	106
E6543854 (9650256)		74	64.2
E6543855 (9650257)		495	75.7
E6543856 (9650258)		73	128
E6543857 (9650259)		52	82.6
E6543858 (9650260)		53	80.8
E6543859 (9650261)		90	93.8
E6543860 (9650262)		105	84.4
E6543861 (9650263)		96	80.9
E6543862 (9650264)		66	68.8
E6543863 (9650265)		65	61.5

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 22, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6543864 (9650266)		61	70.9
E6543865 (9650267)		80	69.8
E6543866 (9650268)		7	173
E6543867 (9650269)		53	45.4
E6543868 (9650270)		73	73.4
E6543869 (9650271)		61	62.3
E6543870 (9650272)		49	62.6
E6543871 (9650273)		37	69.4
E6543872 (9650274)		<5	1.9
E6543873 (9650275)		34	67.1
E6543874 (9650276)		47	66.7
E6543875 (9650277)		36	62.6
E6543876 (9650278)		105	60.9
E6543877 (9650279)		31	68.8
E6543878 (9650280)		29	68.0
E6543879 (9650281)		46	93.5
E6543880 (9650282)		46	162
E6543881 (9650283)		37	149
E6543882 (9650284)		30	138
E6543883 (9650285)		37	179
E6543884 (9650286)		38	172
E6543885 (9650287)		35	193
E6543886 (9650288)		8	177
E6543887 (9650289)		49	113
E6543888 (9650290)		61	126

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018	DATE REPORTED: Nov 22, 2018	SAMPLE TYPE: Drill Core
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Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6543800 (9650202)		79
E6543801 (9650203)		87
E6543816 (9650218)		81
E6543819 (9650221)		89
E6543833 (9650235)		85
E6543839 (9650241)		89
E6543843 (9650245)		78
E6543856 (9650258)		88
E6543859 (9650261)		91
E6543860 (9650262)		92
E6543879 (9650281)		95

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9650202	< 1	< 1	0.0%	9650216	< 1	< 1	0.0%	9650227	< 1	< 1	0.0%	9650241	< 1	< 1	0.0%
Al	9650202	7.30	7.04	3.6%	9650216	6.21	6.27	1.0%	9650227	8.39	8.46	0.8%	9650241	6.20	5.83	6.2%
As	9650202	23	26	12.2%	9650216	159	161	1.3%	9650227	137	132	3.7%	9650241	< 5	< 5	0.0%
B	9650202	< 20	< 20	0.0%	9650216	19	21	10.0%	9650227	27	22	20.4%	9650241	< 20	< 20	0.0%
Ba	9650202	84.6	81.1	4.2%	9650216	29.6	28.4	4.1%	9650227	6.79	6.51	4.2%	9650241	223	208	7.0%
Be	9650202	< 5	< 5	0.0%	9650216	< 5	< 5	0.0%	9650227	< 5	< 5	0.0%	9650241	< 5	< 5	0.0%
Bi	9650202	0.30	0.38	23.5%	9650216	2.02	2.12	4.8%	9650227	1.7	1.7	0.0%	9650241	< 0.1	< 0.1	0.0%
Ca	9650202	3.29	2.99	9.6%	9650216	2.74	2.72	0.7%	9650227	1.04	1.01	2.9%	9650241	5.23	5.11	2.3%
Cd	9650202	0.35	0.42	18.2%	9650216	< 0.2	< 0.2	0.0%	9650227	< 0.2	< 0.2	0.0%	9650241	< 0.2	< 0.2	0.0%
Ce	9650202	51.1	50.6	1.0%	9650216	105	105	0.0%	9650227	22.3	21.8	2.3%	9650241	23.9	23.7	0.8%
Co	9650202	32.8	38.8	16.8%	9650216	330	333	0.9%	9650227	98.1	94.7	3.5%	9650241	53.8	54.5	1.3%
Cr	9650202	0.053	0.050	5.8%	9650216	0.078	0.078	0.0%	9650227	0.0302	0.0310	2.6%	9650241	0.170	0.160	6.1%
Cs	9650202	0.91	0.81	11.6%	9650216	1.0	1.0	0.0%	9650227	2.0	1.9	5.1%	9650241	0.8	0.8	0.0%
Cu	9650202	316	279	12.4%	9650216	641	630	1.7%	9650227	1120	1210	7.7%	9650241	57	48	17.1%
Dy	9650202	2.81	2.85	1.4%	9650216	4.37	4.49	2.7%	9650227	2.91	2.92	0.3%	9650241	1.85	1.82	1.6%
Er	9650202	1.44	1.46	1.4%	9650216	2.23	2.11	5.5%	9650227	1.82	1.76	3.4%	9650241	1.10	1.03	6.6%
Eu	9650202	1.67	1.40	17.6%	9650216	2.61	2.64	1.1%	9650227	1.37	1.33	3.0%	9650241	0.89	0.84	5.8%
Fe	9650202	4.32	4.24	1.9%	9650216	12.2	12.0	1.7%	9650227	15.5	15.8	1.9%	9650241	5.09	4.84	5.0%
Ga	9650202	15.3	14.4	6.1%	9650216	20.6	20.5	0.5%	9650227	24.5	24.6	0.4%	9650241	13.5	13.3	1.5%
Gd	9650202	4.18	4.14	1.0%	9650216	7.98	7.96	0.3%	9650227	3.25	3.17	2.5%	9650241	2.59	2.62	1.2%
Ge	9650202	1	1	0.0%	9650216	2	2	0.0%	9650227	2	2	0.0%	9650241	2	2	0.0%
Hf	9650202	3	3	0.0%	9650216	3	3	0.0%	9650227	2	2	0.0%	9650241	2	2	0.0%
Ho	9650202	0.547	0.528	3.5%	9650216	0.78	0.81	3.8%	9650227	0.58	0.60	3.4%	9650241	0.361	0.381	5.4%
In	9650202	< 0.2	< 0.2	0.0%	9650216	< 0.2	< 0.2	0.0%	9650227	0.4	0.4	0.0%	9650241	< 0.2	< 0.2	0.0%
K	9650202	0.07	0.07	0.0%	9650216	0.55	0.55	0.0%	9650227	0.130	0.124	4.7%	9650241	0.47	0.46	2.2%
La	9650202	24.2	23.8	1.7%	9650216	50.5	49.7	1.6%	9650227	9.2	9.0	2.2%	9650241	10.6	10.5	0.9%
Li	9650202	22	26	16.7%	9650216	55	57	3.6%	9650227	70	72	2.8%	9650241	68	66	3.0%
Lu	9650202	0.185	0.192	3.7%	9650216	0.316	0.300	5.2%	9650227	0.31	0.32	3.2%	9650241	0.162	0.165	1.8%
Mg	9650202	4.20	4.12	1.9%	9650216	5.82	5.97	2.5%	9650227	7.88	8.18	3.7%	9650241	8.86	8.23	7.4%
Mn	9650202	794	774	2.6%	9650216	1480	1490	0.7%	9650227	2550	2580	1.2%	9650241	1320	1250	5.4%
Mo	9650202	3	2		9650216	< 2	< 2	0.0%	9650227	2	2	0.0%	9650241	< 2	< 2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Nb	9650202	6	6	0.0%	9650216	4	4	0.0%	9650227	2	2	0.0%	9650241	2	2	0.0%
Nd	9650202	24.6	24.0	2.5%	9650216	49.7	50.6	1.8%	9650227	13.2	13.5	2.2%	9650241	13.3	13.0	2.3%
Ni	9650202	175	171	2.3%	9650216	274	270	1.5%	9650227	197	200	1.5%	9650241	476	450	5.6%
P	9650202	0.12	0.12	0.0%	9650216	0.260	0.252	3.1%	9650227	0.05	0.05	0.0%	9650241	0.13	0.12	8.0%
Pb	9650202	63	63	0.0%	9650216	17	16	6.1%	9650227	8	< 5		9650241	< 5	< 5	0.0%
Pr	9650202	6.37	6.37	0.0%	9650216	13.2	13.1	0.8%	9650227	3.12	3.14	0.6%	9650241	3.21	3.16	1.6%
Rb	9650202	5.73	4.54	23.2%	9650216	6.5	6.4	1.6%	9650227	4.36	3.43	23.9%	9650241	18.0	17.7	1.7%
S	9650202	0.13	0.15	14.3%	9650216	1.95	1.89	3.1%	9650227	0.94	0.94	0.0%	9650241	< 0.01	< 0.01	0.0%
Sb	9650202	1.1	1.1	0.0%	9650216	1.27	1.23	3.2%	9650227	1.0	0.8	22.2%	9650241	0.4	0.3	28.6%
Sc	9650202	16	15	6.5%	9650216	26	25	3.9%	9650227	47	48	2.1%	9650241	29	27	7.1%
Si	9650202	30.3	27.7	9.0%	9650216	21.6	21.8	0.9%	9650227	17.5	17.8	1.7%	9650241	26.1	25.0	4.3%
Sm	9650202	4.69	4.78	1.9%	9650216	9.5	9.6	1.0%	9650227	3.2	3.2	0.0%	9650241	2.8	2.8	0.0%
Sn	9650202	< 1	< 1	0.0%	9650216	1	1	0.0%	9650227	13	10	26.1%	9650241	< 1	< 1	0.0%
Sr	9650202	276	251	9.5%	9650216	34.3	33.3	3.0%	9650227	7.6	7.8	2.6%	9650241	131	123	6.3%
Ta	9650202	< 0.5	< 0.5	0.0%	9650216	< 0.5	< 0.5	0.0%	9650227	< 0.5	< 0.5	0.0%	9650241	< 0.5	< 0.5	0.0%
Tb	9650202	0.559	0.576	3.0%	9650216	1.03	1.01	2.0%	9650227	0.492	0.511	3.8%	9650241	0.371	0.377	1.6%
Th	9650202	3.78	3.71	1.9%	9650216	4.4	4.4	0.0%	9650227	0.74	0.76	2.7%	9650241	2.26	2.18	3.6%
Ti	9650202	0.42	0.41	2.4%	9650216	0.473	0.480	1.5%	9650227	0.59	0.60	1.7%	9650241	0.327	0.311	5.0%
Tl	9650202	< 0.5	< 0.5	0.0%	9650216	< 0.5	< 0.5	0.0%	9650227	< 0.5	< 0.5	0.0%	9650241	< 0.5	< 0.5	0.0%
Tm	9650202	0.19	0.20	5.1%	9650216	0.29	0.29	0.0%	9650227	0.27	0.27	0.0%	9650241	0.16	0.15	6.5%
U	9650202	1.36	1.43	5.0%	9650216	2.07	2.13	2.9%	9650227	1.98	2.04	3.0%	9650241	0.71	0.67	5.8%
V	9650202	123	116	5.9%	9650216	177	172	2.9%	9650227	293	301	2.7%	9650241	155	145	6.7%
W	9650202	3	3	0.0%	9650216	< 1	< 1	0.0%	9650227	1	1	0.0%	9650241	1	1	0.0%
Y	9650202	15.3	14.5	5.4%	9650216	23.1	22.7	1.7%	9650227	17.1	16.8	1.8%	9650241	11.3	11.3	0.0%
Yb	9650202	1.25	1.38	9.9%	9650216	2.03	2.06	1.5%	9650227	1.9	1.9	0.0%	9650241	1.05	1.09	3.7%
Zn	9650202	188	193	2.6%	9650216	176	172	2.3%	9650227	130	128	1.6%	9650241	86	82	4.8%
Zr	9650202	126	119	5.7%	9650216	131	130	0.8%	9650227	63.8	64.5	1.1%	9650241	68.8	66.4	3.6%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9650252	< 1	< 1	0.0%	9650266	< 1	< 1	0.0%	9650277	< 1	< 1	0.0%				
Al	9650252	9.99	9.79	2.0%	9650266	8.91	9.31	4.4%	9650277	7.79	7.92	1.7%				
As	9650252	5	5	0.0%	9650266	36	37	2.7%	9650277	< 5	< 5	0.0%				
B	9650252	36	35	2.8%	9650266	21	23	9.1%	9650277	24	23	4.3%				
Ba	9650252	620	616	0.6%	9650266	339	357	5.2%	9650277	133	138	3.7%				



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Be	9650252	< 5	< 5	0.0%	9650266	< 5	< 5	0.0%	9650277	< 5	< 5	0.0%				
Bi	9650252	< 0.1	< 0.1	0.0%	9650266	0.2	0.2	0.0%	9650277	0.1	0.1	0.0%				
Ca	9650252	1.16	1.17	0.9%	9650266	0.95	0.97	2.1%	9650277	4.36	4.59	5.1%				
Cd	9650252	< 0.2	< 0.2	0.0%	9650266	< 0.2	< 0.2	0.0%	9650277	< 0.2	< 0.2	0.0%				
Ce	9650252	6.1	6.1	0.0%	9650266	10.5	10.1	3.9%	9650277	19.0	19.6	3.1%				
Co	9650252	37.0	36.1	2.5%	9650266	45.2	46.4	2.6%	9650277	35.8	37.9	5.7%				
Cr	9650252	0.044	0.046	4.4%	9650266	0.023	0.024	4.3%	9650277	0.020	0.020	0.0%				
Cs	9650252	1.7	1.7	0.0%	9650266	1.38	1.46	5.6%	9650277	6.8	7.3	7.1%				
Cu	9650252	122	122	0.0%	9650266	38	39	2.6%	9650277	49	62	23.4%				
Dy	9650252	1.07	1.09	1.9%	9650266	3.71	3.80	2.4%	9650277	4.03	4.14	2.7%				
Er	9650252	0.674	0.682	1.2%	9650266	2.63	2.57	2.3%	9650277	2.83	2.78	1.8%				
Eu	9650252	0.68	0.65	4.5%	9650266	1.31	1.33	1.5%	9650277	1.23	1.22	0.8%				
Fe	9650252	1.22	1.04	15.9%	9650266	8.33	8.86	6.2%	9650277	8.65	9.15	5.6%				
Ga	9650252	21.8	21.1	3.3%	9650266	19.1	20.1	5.1%	9650277	16.9	17.9	5.7%				
Gd	9650252	1.13	1.04	8.3%	9650266	2.93	2.83	3.5%	9650277	3.47	3.32	4.4%				
Ge	9650252	1	1	0.0%	9650266	1	1	0.0%	9650277	1	2					
Hf	9650252	2	2	0.0%	9650266	2	2	0.0%	9650277	2	2	0.0%				
Ho	9650252	0.23	0.22	4.4%	9650266	0.86	0.85	1.2%	9650277	0.89	0.89	0.0%				
In	9650252	< 0.2	< 0.2	0.0%	9650266	< 0.2	< 0.2	0.0%	9650277	< 0.2	< 0.2	0.0%				
K	9650252	3.36	3.32	1.2%	9650266	2.16	2.24	3.6%	9650277	1.05	1.08	2.8%				
La	9650252	2.6	2.6	0.0%	9650266	4.37	4.34	0.7%	9650277	7.7	8.1	5.1%				
Li	9650252	32	31	3.2%	9650266	63	65	3.1%	9650277	46	45	2.2%				
Lu	9650252	0.100	0.091	9.4%	9650266	0.44	0.44	0.0%	9650277	0.429	0.438	2.1%				
Mg	9650252	0.59	0.59	0.0%	9650266	3.65	3.56	2.5%	9650277	2.98	3.00	0.7%				
Mn	9650252	171	156	9.2%	9650266	1240	1280	3.2%	9650277	1380	1400	1.4%				
Mo	9650252	4	5	22.2%	9650266	2	3		9650277	< 2	< 2	0.0%				
Nb	9650252	3	2		9650266	2	2	0.0%	9650277	2	2	0.0%				
Nd	9650252	3.6	3.5	2.8%	9650266	6.77	6.59	2.7%	9650277	11.0	11.2	1.8%				
Ni	9650252	75	71	5.5%	9650266	130	136	4.5%	9650277	108	110	1.8%				
P	9650252	0.03	0.03	0.0%	9650266	0.04	0.04	0.0%	9650277	0.04	0.04	0.0%				
Pb	9650252	11	11	0.0%	9650266	< 5	< 5	0.0%	9650277	< 5	< 5	0.0%				
Pr	9650252	0.834	0.896	7.2%	9650266	1.52	1.52	0.0%	9650277	2.63	2.64	0.4%				
Rb	9650252	117	115	1.7%	9650266	52.2	53.5	2.5%	9650277	88.5	91.6	3.4%				
S	9650252	< 0.01	< 0.01	0.0%	9650266	0.035	0.034	2.9%	9650277	< 0.01	< 0.01	0.0%				



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Sb	9650252	0.3	0.2		9650266	0.34	0.37	8.5%	9650277	0.6	0.6	0.0%				
Sc	9650252	61	63	3.2%	9650266	49	52	5.9%	9650277	43	44	2.3%				
Si	9650252	31.3	30.9	1.3%	9650266	24.5	25.5	4.0%	9650277	23.2	23.6	1.7%				
Sm	9650252	0.90	0.98	8.5%	9650266	2.11	2.15	1.9%	9650277	2.8	2.8	0.0%				
Sn	9650252	5	2		9650266	17	18	5.7%	9650277	< 1	< 1	0.0%				
Sr	9650252	191	189	1.1%	9650266	63.3	65.7	3.7%	9650277	107	109	1.9%				
Ta	9650252	< 0.5	< 0.5	0.0%	9650266	< 0.5	< 0.5	0.0%	9650277	< 0.5	< 0.5	0.0%				
Tb	9650252	0.21	0.21	0.0%	9650266	0.57	0.58	1.7%	9650277	0.666	0.664	0.3%				
Th	9650252	0.4	0.4	0.0%	9650266	0.47	0.45	4.3%	9650277	0.4	0.4	0.0%				
Ti	9650252	0.705	0.699	0.9%	9650266	0.71	0.73	2.8%	9650277	0.62	0.62	0.0%				
Tl	9650252	< 0.5	< 0.5	0.0%	9650266	< 0.5	< 0.5	0.0%	9650277	0.6	0.6	0.0%				
Tm	9650252	0.096	0.091	5.3%	9650266	0.394	0.419	6.2%	9650277	0.40	0.40	0.0%				
U	9650252	0.13	0.13	0.0%	9650266	0.501	0.521	3.9%	9650277	0.398	0.417	4.7%				
V	9650252	375	379	1.1%	9650266	337	354	4.9%	9650277	273	277	1.5%				
W	9650252	4	4	0.0%	9650266	2	2	0.0%	9650277	2	2	0.0%				
Y	9650252	5.9	5.7	3.4%	9650266	23.2	24.0	3.4%	9650277	25.2	25.9	2.7%				
Yb	9650252	0.7	0.7	0.0%	9650266	2.71	2.75	1.5%	9650277	2.9	2.9	0.0%				
Zn	9650252	18	19	5.4%	9650266	61	60	1.7%	9650277	36	37	2.7%				
Zr	9650252	66.0	63.5	3.9%	9650266	70.9	75.1	5.8%	9650277	62.6	65.6	4.7%				



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.SY-4)				CRM #3 (ref.Till-2)				CRM #4 (ref.GBM998-10)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	10.94	100%	90% - 110%					8.47	8.74	103%	90% - 110%				
As									26	27	103%	90% - 110%	25	28	110%	90% - 110%
Ba	340	343	101%	90% - 110%					540	538	100%	90% - 110%				
Be	2.6	2.8	109%	90% - 110%					4.0	3.6	90%	90% - 110%				
Ca	5.72	5.93	104%	90% - 110%					0.907	0.977	108%	90% - 110%				
Ce	122	122	100%	90% - 110%					98	108	110%	90% - 110%				
Co	2.8	2.4	85%	90% - 110%					15	15	101%	90% - 110%	1202	1326	110%	90% - 110%
Cs	1.5	1.7	115%	90% - 110%												
Cu	7	6	89%	90% - 110%					150	162	108%	90% - 110%	15414	15717	102%	90% - 110%
Dy	18.2	18.3	100%	90% - 110%												
Er	14.2	14.6	103%	90% - 110%					3.7	3.9	107%	90% - 110%				
Eu	2.0	2	100%	90% - 110%												
Fe	4.34	4.4	101%	90% - 110%					3.77	4.07	108%	90% - 110%				
Ga	35	35	100%	90% - 110%												
Gd	14	14	100%	90% - 110%												
Hf	10.6	10.4	98%	90% - 110%					11	11	100%	90% - 110%				
Ho	4.3	4.3	100%	90% - 110%												
K	1.37	1.43	104%	90% - 110%					2.55	2.62	103%	90% - 110%				
La	58	57	98%	90% - 110%					44	48	109%	90% - 110%				
Li	37	41	110%	90% - 110%					47	49	103%	90% - 110%				
Lu	2.1	2.3	109%	90% - 110%					0.6	0.6	100%	90% - 110%				
Mg	0.325	0.306	94%	90% - 110%					1.1	1.1	101%	90% - 110%				
Mn	836	850	102%	90% - 110%					780	830	106%	90% - 110%				
Mo									14	13	96%	90% - 110%				
Nb	13	14	104%	90% - 110%					20	21	103%	90% - 110%				
Nd	57	57	100%	90% - 110%												
Ni									32	37	115%	90% - 110%	23610	23998	102%	90% - 110%
Pb	10	10	95%	90% - 110%					31	34	108%	90% - 110%	41	48	117%	90% - 110%
Pr	15.0	14.9	99%	90% - 110%												
Rb	55	55	99%	90% - 110%					144	156	108%	90% - 110%				
Sb									0.8	0.8	102%	90% - 110%				



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Sc	1.1	0.9	84%	90% - 110%					12	12	101%	90% - 110%				
Si	23.3	24	103%	90% - 110%					28.4	31.1	109%	90% - 110%				
Sm	12.7	12.6	99%	90% - 110%					7.4	8	108%	90% - 110%				
Sn	7.1	7.1	100%	90% - 110%	7.1	6.4	90%	90% - 110%								
Sr	1191	1235	104%	90% - 110%					144	157	109%	90% - 110%				
Ta	0.9	1	108%	90% - 110%					1.9	1.7	88%	90% - 110%				
Tb	2.6	2.7	103%	90% - 110%					1.2	1.2	101%	90% - 110%				
Th	1.4	1.3	93%	90% - 110%					18.4	20	109%	90% - 110%				
Ti	0.172	0.171	99%	90% - 110%					0.527	0.544	103%	90% - 110%				
Tm	2.3	2.3	100%	90% - 110%												
U	0.8	0.9	108%	90% - 110%					5.7	5.8	102%	90% - 110%				
V	8	9	115%	90% - 110%					77	79	103%	90% - 110%				
W									5	5	108%	90% - 110%				
Y	119	123	104%	90% - 110%					40	39	99%	90% - 110%				
Yb	14.8	15.7	106%	90% - 110%												
Zn	93	101	108%	90% - 110%					130	143	110%	90% - 110%	90	96	106%	90% - 110%
Zr	517	547	106%	90% - 110%					390	418	107%	90% - 110%				
	CRM #5 (ref.SY-4)				CRM #6 (ref.Till-2)				CRM #7 (ref.GBM998-10)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.49	96%	90% - 110%	8.47	8.13	96%	90% - 110%								
As					26	26	102%	90% - 110%	25	27	107%	90% - 110%				
Ba	340	327	96%	90% - 110%	540	539	100%	90% - 110%								
Be	2.6	3	114%	90% - 110%	4.0	3.9	97%	90% - 110%								
Ca	5.72	5.59	98%	90% - 110%	0.907	0.924	102%	90% - 110%								
Ce	122	124	102%	90% - 110%	98	103	105%	90% - 110%								
Co	2.8	2.8	99%	90% - 110%	15	15	99%	90% - 110%	1202	1307	108%	90% - 110%				
Cs	1.5	1.7	114%	90% - 110%												
Cu					150	164	109%	90% - 110%	15414	14504	94%	90% - 110%				
Dy	18.2	19	104%	90% - 110%												
Er	14.2	15.1	106%	90% - 110%	3.7	3.7	100%	90% - 110%								
Eu	2.0	2	101%	90% - 110%												
Fe	4.34	4.24	98%	90% - 110%	3.77	3.86	102%	90% - 110%								
Ga	35	37	104%	90% - 110%												
Gd	14	14	100%	90% - 110%												



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Hf	10.6	11.1	105%	90% - 110%	11	10	90%	90% - 110%								
Ho	4.3	4.4	102%	90% - 110%												
K	1.37	1.37	100%	90% - 110%	2.55	2.53	99%	90% - 110%								
La	58	58	99%	90% - 110%	44	45	103%	90% - 110%								
Li	37	38	103%	90% - 110%	47	50	106%	90% - 110%								
Lu	2.1	2.3	109%	90% - 110%	0.6	0.6	95%	90% - 110%								
Mg	0.325	0.293	90%	90% - 110%	1.1	1.1	98%	90% - 110%								
Mn	836	820	98%	90% - 110%	780	796	102%	90% - 110%								
Mo					14	13	95%	90% - 110%								
Nb	13	14	108%	90% - 110%	20	20	99%	90% - 110%								
Nd	57	58	101%	90% - 110%												
Ni									23610	22275	94%	90% - 110%				
Pb	10	9	89%	90% - 110%	31	32	102%	90% - 110%	41	41	101%	90% - 110%				
Pr	15.0	15.5	104%	90% - 110%												
Rb	55	58	106%	90% - 110%	144	151	105%	90% - 110%								
Sb					0.8	0.8	95%	90% - 110%								
Sc					12	12	99%	90% - 110%								
Si	23.3	23.1	99%	90% - 110%	28.4	28.8	101%	90% - 110%								
Sm	12.7	12.7	100%	90% - 110%	7.4	7.7	104%	90% - 110%								
Sn	7.1	7.2	101%	90% - 110%												
Sr	1191	1169	98%	90% - 110%	144	154	107%	90% - 110%								
Ta	0.9	0.8	94%	90% - 110%	1.9	1.9	102%	90% - 110%								
Tb	2.6	2.8	107%	90% - 110%	1.2	1.2	100%	90% - 110%								
Th	1.4	1.2	85%	90% - 110%	18.4	19.3	105%	90% - 110%								
Ti	0.172	0.166	96%	90% - 110%	0.527	0.517	98%	90% - 110%								
Tm	2.3	2.3	100%	90% - 110%												
U	0.8	0.9	114%	90% - 110%	5.7	5.4	95%	90% - 110%								
V	8	6	71%	90% - 110%	77	80	103%	90% - 110%								
W					5	5	104%	90% - 110%								
Y	119	129	108%	90% - 110%	40	38	94%	90% - 110%								
Yb	14.8	15.9	108%	90% - 110%												
Zn	93	95	102%	90% - 110%	130	134	103%	90% - 110%	90	93	103%	90% - 110%				
Zr	517	567	109%	90% - 110%	390	384	98%	90% - 110%								



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-221
 SAMPLING SITE:

AGAT WORK ORDER: 18B401321
 ATTENTION TO: FRANK SANTAGUIDA
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B401321

PROJECT: DDH-221

ATTENTION TO: FRANK SANTAGUIDA

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-222

AGAT WORK ORDER: 18B397823

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 01, 2018

PAGES (INCLUDING COVER): 11

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B397823

PROJECT: DDH-222

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 01, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6543889 (9628237)		2.71
E6543890 (9628238)		1.35
E6543891 (9628239)		1.95
E6543892 (9628240)		1.41
E6543893 (9628241)		1.74
E6098403 (9628242)		0.01

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397823

PROJECT: DDH-222

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018		DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 01, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu		
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm		
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5		
Sample ID (AGAT ID)																
E6543889 (9628237)	<1	7.52	26	<20	522	<5	0.2	4.10	<0.2	17.9	40.4	0.017	1.0	170		
E6543890 (9628238)	<1	4.89	144	<20	17.3	<5	0.3	4.54	<0.2	18.2	71.9	0.224	0.7	216		
E6543891 (9628239)	<1	6.71	102	22	123	<5	1.3	1.82	<0.2	15.5	90.2	0.077	0.6	122		
E6543892 (9628240)	<1	0.10	<5	<20	25.0	<5	<0.1	33.3	<0.2	0.9	0.8	<0.005	<0.1	<5		
E6543893 (9628241)	<1	7.16	13	<20	292	<5	0.1	3.79	<0.2	13.1	36.7	0.026	0.6	46		
E6098403 (9628242)	<1	4.29	545	120	169	<5	7.5	3.92	<0.2	71.9	1030	0.006	2.9	2890		
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu		
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05		
Sample ID (AGAT ID)																
E6543889 (9628237)	3.54	2.18	1.15	7.20	17.8	3.10	1	2	0.77	<0.2	1.59	7.9	34	0.34		
E6543890 (9628238)	3.05	1.80	0.85	11.1	15.4	3.20	1	2	0.63	<0.2	0.18	7.7	60	0.27		
E6543891 (9628239)	2.69	1.62	0.84	10.1	18.4	2.56	1	2	0.58	<0.2	1.19	7.2	97	0.23		
E6543892 (9628240)	0.21	0.14	<0.05	0.10	0.24	0.21	<1	<1	0.05	<0.2	0.10	1.1	<10	<0.05		
E6543893 (9628241)	4.28	2.75	2.02	8.91	16.5	3.63	2	2	0.96	0.2	1.03	5.2	38	0.40		
E6098403 (9628242)	3.16	1.92	0.99	3.12	11.6	4.37	1	4	0.72	0.3	3.41	35.6	11	0.31		
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si		
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%		
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01		
Sample ID (AGAT ID)																
E6543889 (9628237)	3.13	1440	<2	3	10.1	66	0.07	<5	2.50	42.8	0.14	0.5	30	24.7		
E6543890 (9628238)	9.71	2310	<2	2	12.0	783	0.16	6	2.72	3.5	0.22	0.5	29	19.0		
E6543891 (9628239)	5.84	1670	7	2	9.3	363	0.07	14	2.21	16.4	0.20	0.4	24	21.3		
E6543892 (9628240)	0.82	<10	<2	<1	0.8	<5	0.01	<5	0.19	0.2	0.10	<0.1	<5	4.19		
E6543893 (9628241)	3.80	1750	<2	3	8.7	98	0.04	<5	1.96	25.4	0.05	0.3	38	22.5		
E6098403 (9628242)	2.42	431	12	8	30.4	165	0.06	12	8.78	106	1.54	1.6	6	27.5		

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397823

PROJECT: DDH-222

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018		DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 01, 2018					SAMPLE TYPE: Drill Core			
Sample ID (AGAT ID)	Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
	Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	RDL:														
E6543889 (9628237)		2.7	<1	216	<0.5	0.54	1.4	0.51	<0.5	0.35	0.45	229	<1	19.7	2.1
E6543890 (9628238)		2.9	<1	43.6	<0.5	0.50	1.3	0.34	<0.5	0.26	0.46	177	1	16.2	1.7
E6543891 (9628239)		2.3	<1	54.2	<0.5	0.43	1.0	0.44	<0.5	0.25	1.75	223	2	14.0	1.6
E6543892 (9628240)		0.1	<1	60.9	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.19	<5	<1	2.1	0.1
E6543893 (9628241)		2.8	<1	140	<0.5	0.63	0.5	0.61	<0.5	0.41	0.36	276	2	24.0	2.5
E6098403 (9628242)		5.5	1	27.1	<0.5	0.60	10.3	0.23	0.7	0.31	6.56	54	4	18.1	1.9
	Analyte:	Zn	Zr												
	Unit:	ppm	ppm												
Sample ID (AGAT ID)	RDL:	5	0.5												
E6543889 (9628237)		87	77.5												
E6543890 (9628238)		170	52.0												
E6543891 (9628239)		132	56.9												
E6543892 (9628240)		<5	1.1												
E6543893 (9628241)		103	63.2												
E6098403 (9628242)		7	161												

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18B397823

PROJECT: DDH-222

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 01, 2018

SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID)	RDL:
E6543890 (9628238)	96

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				RPD													
	Sample ID	Original	Replicate	RPD														
Ag	9628237	< 1	< 1	0.0%														
Al	9628237	7.52	7.70	2.4%														
As	9628237	26	16															
B	9628237	< 20	< 20	0.0%														
Ba	9628237	522	534	2.3%														
Be	9628237	< 5	< 5	0.0%														
Bi	9628237	0.2	0.2	0.0%														
Ca	9628237	4.10	3.57	13.8%														
Cd	9628237	< 0.2	< 0.2	0.0%														
Ce	9628237	17.9	18.6	3.8%														
Co	9628237	40.4	40.3	0.2%														
Cr	9628237	0.0170	0.0161	5.4%														
Cs	9628237	0.95	0.91	4.3%														
Cu	9628237	170	163	4.2%														
Dy	9628237	3.54	3.65	3.1%														
Er	9628237	2.18	2.17	0.5%														
Eu	9628237	1.15	1.15	0.0%														
Fe	9628237	7.20	7.13	1.0%														
Ga	9628237	17.8	17.3	2.8%														
Gd	9628237	3.10	3.16	1.9%														
Ge	9628237	1	1	0.0%														
Hf	9628237	2	2	0.0%														
Ho	9628237	0.77	0.77	0.0%														
In	9628237	< 0.2	< 0.2	0.0%														
K	9628237	1.59	1.63	2.5%														
La	9628237	7.9	8.2	3.7%														
Li	9628237	34	33	3.0%														
Lu	9628237	0.34	0.37	8.5%														
Mg	9628237	3.13	3.17	1.3%														
Mn	9628237	1440	1520	5.4%														
Mo	9628237	< 2	< 2	0.0%														



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Nb	9628237	3	3	0.0%																
Nd	9628237	10.1	10.3	2.0%																
Ni	9628237	66	63	4.7%																
P	9628237	0.066	0.064	3.1%																
Pb	9628237	< 5	< 5	0.0%																
Pr	9628237	2.50	2.61	4.3%																
Rb	9628237	42.8	42.6	0.5%																
S	9628237	0.135	0.131	3.0%																
Sb	9628237	0.5	0.5	0.0%																
Sc	9628237	30	32	6.5%																
Si	9628237	24.7	24.6	0.4%																
Sm	9628237	2.7	2.6	3.8%																
Sn	9628237	< 1	< 1	0.0%																
Sr	9628237	216	225	4.1%																
Ta	9628237	< 0.5	< 0.5	0.0%																
Tb	9628237	0.54	0.55	1.8%																
Th	9628237	1.4	1.4	0.0%																
Ti	9628237	0.51	0.52	1.9%																
Tl	9628237	< 0.5	< 0.5	0.0%																
Tm	9628237	0.35	0.35	0.0%																
U	9628237	0.454	0.466	2.6%																
V	9628237	229	236	3.0%																
W	9628237	< 1	< 1	0.0%																
Y	9628237	19.7	20.0	1.5%																
Yb	9628237	2.11	2.27	7.3%																
Zn	9628237	87	81	7.1%																
Zr	9628237	77.5	77.7	0.3%																



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	10.06	92%	90% - 110%														
Ba	340	326	96%	90% - 110%														
Be	2.6	2.8	109%	90% - 110%														
Ca	5.72	5.51	96%	90% - 110%														
Ce	122	119	97%	90% - 110%														
Co	2.8	2.5	91%	90% - 110%														
Cs	1.5	1.6	108%	90% - 110%														
Dy	18.2	19.5	107%	90% - 110%														
Er	14.2	14.1	100%	90% - 110%														
Eu	2.0	2	98%	90% - 110%														
Fe	4.34	4.08	94%	90% - 110%														
Ga	35	35	100%	90% - 110%														
Gd	14	15	105%	90% - 110%														
Hf	10.6	10.8	102%	90% - 110%														
Ho	4.3	4.6	108%	90% - 110%														
K	1.37	1.47	107%	90% - 110%														
La	58	57	98%	90% - 110%														
Li	37	42	114%	90% - 110%														
Lu	2.1	2.2	105%	90% - 110%														
Mg	0.325	0.297	91%	90% - 110%														
Mn	836	780	93%	90% - 110%														
Nb	13	13	98%	90% - 110%														
Nd	57	57	99%	90% - 110%														
Ni	9	9	97%	90% - 110%														
Pb	10	10	96%	90% - 110%														
Pr	15.0	15.5	104%	90% - 110%														
Rb	55	53	96%	90% - 110%														
Si	23.3	23.9	102%	90% - 110%														
Sm	12.7	12.4	97%	90% - 110%														
Sn	7.1	8.2	115%	90% - 110%														
Sr	1191	1147	96%	90% - 110%														



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Ta	0.9	0.8	87%	90% - 110%													
Tb	2.6	2.9	110%	90% - 110%													
Th	1.4	1.3	95%	90% - 110%													
Ti	0.172	0.162	94%	90% - 110%													
Tm	2.3	2.4	104%	90% - 110%													
U	0.8	0.8	99%	90% - 110%													
V	8	6	70%	90% - 110%													
Y	119	117	99%	90% - 110%													
Yb	14.8	15	101%	90% - 110%													
Zn	93	98	105%	90% - 110%													
Zr	517	528	102%	90% - 110%													



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-222
 SAMPLING SITE:

AGAT WORK ORDER: 18B397823
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B397823

PROJECT: DDH-222

ATTENTION TO: FRANK SANTAGUIDA JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA

PROJECT: DDH-223

AGAT WORK ORDER: 18B401425

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 21, 2018

PAGES (INCLUDING COVER): 21

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E6543894 (9650654)		3.52
E6543895 (9650655)		2.73
E6543896 (9650656)		1.37
E6543897 (9650657)		1.32
E6543898 (9650658)		1.32
E6543899 (9650659)		2.14
E6543900 (9650660)		0.73
E6543901 (9650661)		1.40
E6543902 (9650662)		0.78
E6543903 (9650663)		1.44
E6543904 (9650664)		1.16
E6543905 (9650665)		0.80
E6543906 (9650666)		0.01
E6543907 (9650667)		1.90
E6543908 (9650668)		2.01
E6543909 (9650669)		1.04
E6543910 (9650670)		1.45
E6543911 (9650671)		2.99
E6543912 (9650672)		1.68
E6543913 (9650673)		2.74
E6543914 (9650674)		1.49
E6543915 (9650675)		0.74
E6543916 (9650676)		1.26
E6543917 (9650677)		1.53
E6543918 (9650678)		1.53
E6543919 (9650679)		1.06
E6543920 (9650680)		1.35
E6543921 (9650681)		1.94
E6543922 (9650682)		0.80
E6543923 (9650683)		1.46
E6543924 (9650684)		2.71

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 21, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E6543925 (9650685)		1.86
E6543926 (9650686)		0.01
E6543927 (9650687)		1.45
E6543928 (9650688)		1.53
E6543929 (9650689)		2.41
E6543930 (9650690)		2.08
E6543931 (9650691)		1.50
E6543932 (9650692)		1.53
E6543933 (9650693)		1.58
E6543934 (9650694)		0.76
E6543935 (9650695)		1.52

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

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AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-116) 3 Acid Digestion, Ag, ICP-OES Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag
Unit:	ppm
RDL:	0.5
Sample ID (AGAT ID)	E6543909 (9650669)
	61.5

Comments: RDL - Reported Detection Limit
9650669 As, Sb values may be low due to digestion losses.

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
E6543894 (9650654)		<1	6.93	57	<20	340	<5	0.4	3.46	<0.2	32.2	47.4	0.032	0.7	27
E6543895 (9650655)		<1	6.76	36	<20	390	<5	0.3	5.45	<0.2	21.4	50.6	0.010	0.7	71
E6543896 (9650656)		<1	6.96	39	<20	349	<5	0.4	4.42	<0.2	17.2	44.9	0.011	1.0	79
E6543897 (9650657)		<1	6.80	22	<20	839	<5	7.5	4.40	<0.2	63.4	31.3	0.049	0.6	21
E6543898 (9650658)		1	6.76	19	<20	855	<5	8.1	4.32	<0.2	64.4	29.6	0.049	0.7	26
E6543899 (9650659)		<1	7.15	24	<20	453	<5	3.4	3.83	<0.2	44.3	31.8	0.028	0.6	109
E6543900 (9650660)		<1	7.44	11	<20	360	<5	0.4	2.27	<0.2	35.5	15.4	0.025	0.7	37
E6543901 (9650661)		<1	8.08	27	21	217	<5	0.2	6.23	0.4	14.3	57.6	0.030	0.6	82
E6543902 (9650662)		<1	7.45	89	<20	46.2	<5	0.2	2.78	0.4	13.5	53.3	0.030	0.4	40
E6543903 (9650663)		<1	8.16	43	27	240	<5	0.1	6.04	2.4	12.3	58.5	0.031	0.8	67
E6543904 (9650664)		<1	7.67	<5	27	122	<5	<0.1	6.99	<0.2	12.2	49.6	0.029	1.0	89
E6543905 (9650665)		<1	7.61	<5	29	136	<5	0.2	7.04	3.2	11.7	51.3	0.026	1.4	250
E6543906 (9650666)		<1	4.63	547	128	170	<5	8.0	4.36	<0.2	79.0	1020	0.006	2.9	3010
E6543907 (9650667)		<1	7.71	5	25	117	<5	0.7	7.29	0.9	12.3	57.8	0.031	0.6	124
E6543908 (9650668)		<1	7.84	<5	27	273	<5	0.2	6.65	<0.2	13.7	45.8	0.025	1.2	119
E6543909 (9650669)		55	6.75	183	658	138	<5	1.0	5.55	13.1	14.0	147	0.021	1.1	3300
E6543910 (9650670)		4	7.43	26	36	173	<5	0.3	6.80	<0.2	12.4	53.3	0.024	1.5	149
E6543911 (9650671)		<1	7.70	25	29	254	<5	0.2	7.29	<0.2	13.8	55.0	0.024	1.2	126
E6543912 (9650672)		<1	0.06	9	<20	19.3	<5	<0.1	36.4	<0.2	0.9	0.9	<0.005	<0.1	<5
E6543913 (9650673)		<1	7.70	20	52	198	<5	0.2	6.16	2.1	13.3	53.0	0.026	1.0	265
E6543914 (9650674)		<1	6.64	35	62	119	<5	0.6	6.69	10.4	13.4	66.4	0.019	1.0	362
E6543915 (9650675)		<1	6.21	64	28	47.7	<5	1.5	6.70	7.5	14.3	85.3	0.018	1.1	492
E6543916 (9650676)		<1	7.08	26	34	163	<5	0.5	7.10	0.6	13.8	53.0	0.021	1.0	86
E6543917 (9650677)		<1	7.59	<5	23	430	<5	0.2	7.17	<0.2	13.3	52.8	0.025	2.1	60
E6543918 (9650678)		<1	7.53	<5	25	423	<5	0.1	7.25	0.6	13.3	52.1	0.023	2.0	60
E6543919 (9650679)		<1	7.36	<5	<20	711	<5	0.1	7.69	11.9	10.3	48.1	0.022	0.8	23
E6543920 (9650680)		<1	7.80	<5	21	685	<5	0.1	8.12	0.3	15.6	48.3	0.025	0.9	50
E6543921 (9650681)		<1	5.60	58	77	62.0	<5	0.1	6.86	5.1	56.1	67.1	0.043	0.2	21
E6543922 (9650682)		<1	6.42	50	2590	70.7	19	<0.1	9.29	<0.2	89.9	58.9	0.039	0.3	14
E6543923 (9650683)		<1	5.74	39	35	70.9	<5	<0.1	5.62	<0.2	62.5	58.9	0.047	0.5	15
E6543924 (9650684)		<1	6.14	9	21	158	<5	0.1	6.00	<0.2	87.3	47.5	0.034	0.8	24
E6543925 (9650685)		<1	7.42	63	22	584	<5	0.6	7.22	<0.2	15.6	155	0.023	0.7	43

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
Sample ID (AGAT ID)															
E6543926 (9650686)	<1	4.65	560	136	175	<5	8.2	4.44	<0.2	80.2	1050	0.006	2.9	3010	
E6543927 (9650687)	<1	7.29	27	27	851	<5	0.6	7.63	<0.2	15.2	91.6	0.022	1.0	73	
E6543928 (9650688)	<1	7.77	<5	22	337	<5	0.3	6.20	0.8	12.2	44.9	0.024	0.6	40	
E6543929 (9650689)	<1	7.90	23	22	219	<5	0.1	6.25	<0.2	12.4	53.6	0.022	1.3	56	
E6543930 (9650690)	<1	7.81	8	28	247	<5	0.1	8.24	<0.2	14.1	55.2	0.025	0.6	83	
E6543931 (9650691)	<1	7.61	<5	21	134	<5	0.2	8.09	<0.2	13.0	56.7	0.023	1.2	72	
E6543932 (9650692)	<1	0.12	8	<20	33.9	<5	<0.1	37.2	<0.2	0.8	1.0	<0.005	<0.1	<5	
E6543933 (9650693)	<1	7.66	43	30	315	<5	0.1	6.84	3.7	13.8	59.7	0.023	0.9	56	
E6543934 (9650694)	2	6.66	96	145	351	<5	0.5	5.29	43.2	11.2	86.8	0.019	0.8	26	
E6543935 (9650695)	<1	7.98	15	22	260	<5	0.1	7.41	<0.2	13.0	53.0	0.025	2.1	89	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 21, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6543894 (9650654)	3.62	2.30	1.05	10.1	18.6	3.94	1	3	0.76	<0.2	1.01	14.2	25	0.31
E6543895 (9650655)	4.72	3.15	1.43	13.2	19.7	4.40	2	2	1.03	<0.2	0.86	9.5	27	0.46
E6543896 (9650656)	4.69	2.92	1.07	13.8	20.4	3.89	2	3	1.04	<0.2	0.99	7.7	36	0.48
E6543897 (9650657)	3.52	1.96	1.69	5.88	15.1	5.79	2	3	0.70	<0.2	2.34	27.1	<10	0.27
E6543898 (9650658)	3.64	2.05	1.76	5.80	15.3	5.90	2	3	0.73	<0.2	2.34	27.5	13	0.29
E6543899 (9650659)	4.00	2.32	1.39	7.55	16.6	5.13	2	3	0.83	<0.2	1.84	19.9	20	0.33
E6543900 (9650660)	2.01	1.13	1.02	3.75	15.9	3.51	1	3	0.40	<0.2	1.12	16.7	12	0.16
E6543901 (9650661)	4.30	2.82	1.19	8.93	20.0	3.99	2	2	0.96	<0.2	0.97	5.5	16	0.42
E6543902 (9650662)	4.81	2.82	0.81	8.16	17.1	4.11	1	2	0.99	<0.2	0.48	5.5	49	0.39
E6543903 (9650663)	4.26	2.72	0.94	9.23	18.3	3.63	2	2	0.92	<0.2	1.10	4.8	23	0.42
E6543904 (9650664)	4.14	2.64	0.92	9.89	18.2	3.64	2	2	0.94	<0.2	0.67	4.7	17	0.41
E6543905 (9650665)	3.99	2.44	0.91	8.98	17.5	3.57	2	2	0.86	<0.2	0.80	4.3	20	0.38
E6543906 (9650666)	3.39	2.06	1.01	3.43	11.6	4.77	2	5	0.73	0.2	3.49	38.9	11	0.32
E6543907 (9650667)	4.07	2.66	1.00	10.3	17.5	3.62	2	2	0.92	<0.2	0.75	4.9	18	0.41
E6543908 (9650668)	4.49	2.87	1.10	8.32	17.1	4.02	2	2	1.03	<0.2	1.04	5.4	14	0.45
E6543909 (9650669)	4.03	2.54	0.76	11.1	14.8	3.48	2	2	0.87	0.5	0.62	5.8	29	0.38
E6543910 (9650670)	4.23	2.77	0.99	9.78	17.5	3.70	2	2	0.99	<0.2	0.59	4.9	20	0.40
E6543911 (9650671)	4.36	3.00	1.11	9.22	19.2	4.00	2	2	0.99	<0.2	0.94	5.5	19	0.44
E6543912 (9650672)	0.18	0.14	<0.05	0.07	0.22	0.20	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E6543913 (9650673)	4.69	2.84	1.02	8.30	17.0	3.91	1	2	0.96	<0.2	0.80	5.1	19	0.43
E6543914 (9650674)	4.36	2.82	1.07	11.6	19.8	3.88	2	2	1.00	<0.2	0.39	5.3	27	0.44
E6543915 (9650675)	4.00	2.61	0.91	14.5	20.0	3.60	2	2	0.94	<0.2	0.24	6.0	40	0.42
E6543916 (9650676)	4.38	2.90	1.17	11.1	18.8	3.91	2	2	0.97	<0.2	0.51	5.7	25	0.46
E6543917 (9650677)	4.42	2.83	1.11	9.20	17.5	3.77	2	2	0.94	<0.2	1.02	5.2	25	0.41
E6543918 (9650678)	4.19	2.74	1.02	9.26	17.5	3.80	2	2	0.94	<0.2	1.04	5.1	19	0.42
E6543919 (9650679)	4.29	2.68	1.06	8.98	18.5	3.66	2	2	0.96	<0.2	1.52	3.8	36	0.41
E6543920 (9650680)	4.43	2.84	1.21	9.59	18.9	4.02	2	2	1.00	<0.2	1.41	6.3	25	0.42
E6543921 (9650681)	4.38	2.10	1.91	8.83	16.0	6.74	2	4	0.85	<0.2	0.41	23.8	22	0.30
E6543922 (9650682)	4.89	2.36	2.45	7.69	20.3	8.51	2	3	0.88	<0.2	0.45	39.6	17	0.33
E6543923 (9650683)	4.07	1.91	1.88	8.65	15.1	6.67	2	4	0.75	<0.2	0.40	26.2	29	0.23
E6543924 (9650684)	5.06	2.29	2.69	8.75	18.3	8.75	2	5	0.87	<0.2	0.47	37.6	31	0.28
E6543925 (9650685)	4.42	2.60	1.27	11.9	18.6	3.96	2	2	0.94	<0.2	1.04	6.8	23	0.40

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
E6543926 (9650686)	3.31	2.13	1.04	3.46	11.9	4.89	2	5	0.74	0.2	3.45	39.2	11	0.30	
E6543927 (9650687)	4.33	2.86	1.41	10.2	17.8	4.13	2	2	0.98	<0.2	1.63	6.2	17	0.43	
E6543928 (9650688)	4.11	2.87	0.95	8.49	17.3	3.55	1	2	0.92	<0.2	1.03	4.8	29	0.40	
E6543929 (9650689)	4.52	2.72	0.99	8.70	17.9	3.73	2	2	0.97	<0.2	0.84	4.7	24	0.43	
E6543930 (9650690)	4.62	2.80	1.10	8.46	19.1	4.10	2	2	1.01	<0.2	0.97	5.6	15	0.44	
E6543931 (9650691)	4.28	2.74	1.09	9.44	18.5	3.78	2	2	0.91	<0.2	0.66	5.3	15	0.42	
E6543932 (9650692)	0.20	0.16	<0.05	0.08	0.42	0.25	1	<1	0.05	<0.2	0.05	1.1	<10	<0.05	
E6543933 (9650693)	4.43	2.85	1.17	9.11	19.2	4.00	2	2	0.98	<0.2	1.16	5.4	22	0.43	
E6543934 (9650694)	3.97	2.57	0.86	8.41	16.1	3.38	1	2	0.87	<0.2	1.17	4.4	24	0.41	
E6543935 (9650695)	4.65	2.93	0.98	9.01	19.0	3.92	2	2	1.01	<0.2	1.01	5.0	21	0.42	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6543894 (9650654)	4.79	2120	9	5	17.1	109	0.08	164	4.13	25.4	0.54	0.4	28	23.6	
E6543895 (9650655)	4.94	2930	3	4	13.0	67	0.05	267	2.82	22.8	0.58	0.6	36	20.9	
E6543896 (9650656)	5.58	2900	9	4	10.7	82	0.05	1950	2.35	26.2	0.27	0.9	39	20.6	
E6543897 (9650657)	4.05	1300	<2	5	32.3	97	0.16	2300	7.94	49.4	0.02	0.4	18	27.2	
E6543898 (9650658)	4.12	1290	<2	5	33.0	98	0.16	2360	8.18	50.4	0.03	0.4	19	26.9	
E6543899 (9650659)	4.11	1720	<2	5	23.5	77	0.11	5040	5.72	39.5	0.14	0.8	27	25.7	
E6543900 (9650660)	2.09	906	<2	4	17.6	47	0.08	1430	4.43	30.2	0.03	0.4	10	30.2	
E6543901 (9650661)	2.81	2060	4	3	9.8	100	0.04	154	2.04	31.8	0.13	0.5	40	24.4	
E6543902 (9650662)	4.25	1860	2	3	9.5	103	0.04	3620	2.00	8.4	0.10	1.4	38	24.6	
E6543903 (9650663)	2.84	1950	2	3	8.5	113	0.04	94	1.76	40.0	0.10	0.5	42	23.6	
E6543904 (9650664)	4.03	1960	<2	3	8.8	109	0.04	9	1.78	30.5	0.05	0.2	38	23.3	
E6543905 (9650665)	4.05	1850	10	3	8.4	105	0.04	60	1.70	35.4	0.16	0.2	37	22.7	
E6543906 (9650666)	2.49	469	12	8	32.7	169	0.07	13	8.90	108	1.62	1.6	6	28.4	
E6543907 (9650667)	3.55	1980	3	3	8.5	115	0.04	213	1.80	26.5	0.23	0.3	39	23.3	
E6543908 (9650668)	3.44	2140	<2	3	9.5	95	0.05	13	2.06	45.3	0.14	0.3	39	23.9	
E6543909 (9650669)	4.29	3180	4	3	9.7	311	0.04	8040	1.97	22.7	2.97	4.8	33	21.4	
E6543910 (9650670)	4.18	2190	9	3	8.9	103	0.04	104	1.84	24.2	0.18	0.4	38	23.3	
E6543911 (9650671)	3.63	2080	4	3	9.8	99	0.04	137	2.00	41.0	0.23	0.6	37	23.6	
E6543912 (9650672)	1.08	<10	<2	<1	0.8	5	<0.01	<5	0.20	0.6	<0.01	<0.1	<5	4.22	
E6543913 (9650673)	3.65	2030	<2	3	9.2	93	0.05	78	1.95	37.4	0.09	0.4	37	23.6	
E6543914 (9650674)	5.11	2370	2	2	9.3	115	0.04	773	1.92	14.2	0.61	0.6	32	21.4	
E6543915 (9650675)	6.73	2860	6	2	9.5	91	0.03	3040	1.97	7.7	0.47	1.3	31	19.4	
E6543916 (9650676)	4.86	2310	19	3	9.8	95	0.04	242	2.00	18.0	0.11	0.5	34	22.2	
E6543917 (9650677)	3.73	1780	5	3	9.4	97	0.04	43	2.00	42.6	0.10	0.6	39	24.0	
E6543918 (9650678)	3.64	1750	5	3	9.2	96	0.04	41	1.96	42.4	0.09	1.1	38	23.7	
E6543919 (9650679)	3.69	1650	<2	3	8.1	101	0.05	194	1.54	50.9	0.29	0.7	36	21.5	
E6543920 (9650680)	3.54	1860	3	3	10.3	98	0.04	75	2.21	45.6	0.19	1.0	37	22.4	
E6543921 (9650681)	5.34	1540	<2	6	32.0	251	0.18	205	7.36	8.7	0.13	1.0	22	24.7	
E6543922 (9650682)	4.31	5290	<2	6	47.5	200	0.23	134	11.4	10.7	0.19	0.7	20	23.1	
E6543923 (9650683)	6.47	1510	<2	7	35.4	324	0.21	6	8.43	8.7	0.06	0.6	20	24.6	
E6543924 (9650684)	5.82	1470	<2	8	48.6	220	0.24	13	11.6	13.6	0.08	0.8	20	24.4	
E6543925 (9650685)	4.00	1790	11	3	10.6	97	0.04	35	2.25	34.5	2.54	4.6	35	22.4	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E6543926 (9650686)	2.54	470	12	8	33.3	178	0.07	13	9.17	110	1.68	1.7	7	28.7	
E6543927 (9650687)	3.81	1860	2	3	10.4	99	0.04	14	2.20	54.8	0.63	2.0	36	23.4	
E6543928 (9650688)	3.91	1620	5	3	8.7	89	0.04	401	1.76	37.5	0.07	0.7	39	24.1	
E6543929 (9650689)	3.68	1680	2	3	9.2	106	0.05	102	1.82	38.0	0.10	0.4	38	24.3	
E6543930 (9650690)	3.60	1520	4	3	10.0	97	0.04	9	2.03	40.1	0.09	0.4	38	24.0	
E6543931 (9650691)	3.85	1710	3	3	9.2	101	0.04	11	1.94	29.8	0.15	0.2	38	23.8	
E6543932 (9650692)	0.94	<10	<2	<1	0.7	5	<0.01	<5	0.18	1.0	<0.01	<0.1	<5	5.86	
E6543933 (9650693)	3.92	1670	2	3	9.7	107	0.04	1260	2.03	45.1	0.08	1.2	38	23.4	
E6543934 (9650694)	3.76	1780	2	3	8.0	114	0.04	37900	1.68	40.4	1.11	8.9	34	21.7	
E6543935 (9650695)	3.63	1750	2	3	9.3	104	0.05	168	1.91	49.4	0.10	0.5	40	24.0	

Certified By:



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AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E6543894 (9650654)	3.8	3	168	<0.5	0.63	2.1	0.55	<0.5	0.31	0.75	210	2	19.5	2.1	
E6543895 (9650655)	3.6	3	275	<0.5	0.80	0.9	0.66	<0.5	0.46	0.26	271	2	26.7	2.9	
E6543896 (9650656)	3.1	<1	131	<0.5	0.73	0.9	0.66	<0.5	0.47	0.31	284	2	23.7	2.9	
E6543897 (9650657)	6.6	2	421	<0.5	0.75	3.4	0.36	<0.5	0.27	1.00	127	<1	18.3	1.8	
E6543898 (9650658)	6.4	2	415	<0.5	0.75	3.5	0.35	<0.5	0.28	1.02	128	<1	18.5	1.9	
E6543899 (9650659)	4.9	1	183	<0.5	0.75	2.5	0.53	<0.5	0.36	0.93	195	1	20.8	2.3	
E6543900 (9650660)	3.5	<1	360	<0.5	0.45	2.4	0.22	<0.5	0.17	0.99	72	<1	11.1	1.0	
E6543901 (9650661)	3.0	<1	150	<0.5	0.69	0.5	0.67	<0.5	0.43	0.14	302	2	24.2	2.8	
E6543902 (9650662)	3.2	3	49.5	<0.5	0.77	0.5	0.69	<0.5	0.43	0.16	291	2	24.8	2.8	
E6543903 (9650663)	2.6	<1	155	<0.5	0.68	0.4	0.70	<0.5	0.40	0.14	301	2	23.4	2.7	
E6543904 (9650664)	2.7	<1	158	<0.5	0.70	0.4	0.65	<0.5	0.42	0.15	280	1	23.2	2.7	
E6543905 (9650665)	2.6	<1	128	<0.5	0.63	0.4	0.61	<0.5	0.40	0.12	272	1	22.2	2.7	
E6543906 (9650666)	5.8	2	29.7	<0.5	0.66	10.8	0.23	0.8	0.32	6.53	54	5	18.8	2.0	
E6543907 (9650667)	2.6	1	134	<0.5	0.70	0.5	0.65	<0.5	0.42	0.13	291	1	23.1	2.7	
E6543908 (9650668)	2.9	2	144	<0.5	0.69	0.5	0.70	<0.5	0.42	0.16	292	1	25.0	2.7	
E6543909 (9650669)	2.9	<1	104	<0.5	0.64	0.5	0.60	<0.5	0.42	0.15	250	2	22.6	2.6	
E6543910 (9650670)	2.7	3	147	<0.5	0.67	0.5	0.67	<0.5	0.43	0.14	286	1	23.8	2.7	
E6543911 (9650671)	2.8	<1	164	<0.5	0.72	0.6	0.68	<0.5	0.43	0.17	280	1	25.5	2.8	
E6543912 (9650672)	0.1	<1	60.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.14	<5	<1	2.0	0.1	
E6543913 (9650673)	3.0	<1	128	<0.5	0.72	0.5	0.69	<0.5	0.43	0.15	284	2	25.0	2.8	
E6543914 (9650674)	2.6	<1	133	<0.5	0.69	0.4	0.56	<0.5	0.43	0.15	255	2	25.7	2.9	
E6543915 (9650675)	2.6	1	83.9	<0.5	0.65	0.4	0.54	<0.5	0.41	0.14	260	2	23.6	2.7	
E6543916 (9650676)	2.9	2	155	<0.5	0.68	0.4	0.62	<0.5	0.44	0.15	259	2	25.6	2.9	
E6543917 (9650677)	2.7	<1	216	<0.5	0.67	0.5	0.69	<0.5	0.43	0.15	289	2	23.7	2.7	
E6543918 (9650678)	2.8	<1	219	<0.5	0.69	0.5	0.68	<0.5	0.40	0.15	283	2	23.7	2.7	
E6543919 (9650679)	2.6	2	444	<0.5	0.64	0.5	0.65	<0.5	0.43	0.15	274	2	23.7	2.7	
E6543920 (9650680)	3.1	<1	415	<0.5	0.73	0.5	0.68	<0.5	0.44	0.14	284	2	24.5	2.7	
E6543921 (9650681)	7.0	<1	195	<0.5	0.90	2.7	0.66	<0.5	0.31	0.81	186	5	21.5	1.9	
E6543922 (9650682)	9.5	<1	384	<0.5	1.11	2.6	0.64	<0.5	0.35	0.89	182	2	23.4	2.2	
E6543923 (9650683)	7.5	<1	175	<0.5	0.91	3.2	0.69	<0.5	0.27	0.73	147	3	18.5	1.6	
E6543924 (9650684)	10.2	<1	237	<0.5	1.13	3.3	0.80	<0.5	0.30	0.89	173	1	23.4	2.0	
E6543925 (9650685)	3.1	<1	279	<0.5	0.68	0.6	0.65	<0.5	0.41	0.18	273	259	23.8	2.6	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 21, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E6543926 (9650686)	5.9	2	28.2	<0.5	0.67	11.0	0.23	0.8	0.32	6.85	57	5	18.5	2.0	
E6543927 (9650687)	3.2	<1	254	<0.5	0.74	0.6	0.66	<0.5	0.44	0.16	279	3	25.4	2.8	
E6543928 (9650688)	2.7	<1	337	<0.5	0.66	0.5	0.71	<0.5	0.43	0.15	290	5	23.2	2.6	
E6543929 (9650689)	2.7	<1	169	<0.5	0.71	0.5	0.71	<0.5	0.42	0.14	284	3	24.6	2.6	
E6543930 (9650690)	3.0	<1	202	<0.5	0.73	0.5	0.69	<0.5	0.43	0.17	287	1	26.0	3.0	
E6543931 (9650691)	2.9	<1	168	<0.5	0.69	0.5	0.69	<0.5	0.42	0.14	291	1	24.4	2.7	
E6543932 (9650692)	0.2	<1	60.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.23	<5	<1	2.2	0.2	
E6543933 (9650693)	2.9	<1	157	<0.5	0.71	0.5	0.69	<0.5	0.43	0.17	291	2	24.4	2.7	
E6543934 (9650694)	2.4	<1	103	<0.5	0.61	0.6	0.62	<0.5	0.40	0.15	258	2	22.5	2.6	
E6543935 (9650695)	3.1	<1	164	<0.5	0.72	0.5	0.71	<0.5	0.44	0.15	304	23	26.2	2.9	

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PROJECT: DDH-223

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 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 21, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E6543894 (9650654)		132	104
E6543895 (9650655)		166	82.5
E6543896 (9650656)		214	84.4
E6543897 (9650657)		99	121
E6543898 (9650658)		97	125
E6543899 (9650659)		121	114
E6543900 (9650660)		74	101
E6543901 (9650661)		193	71.4
E6543902 (9650662)		230	71.9
E6543903 (9650663)		643	72.1
E6543904 (9650664)		85	68.2
E6543905 (9650665)		931	64.7
E6543906 (9650666)		6	173
E6543907 (9650667)		307	68.4
E6543908 (9650668)		104	73.9
E6543909 (9650669)		4140	63.2
E6543910 (9650670)		188	70.1
E6543911 (9650671)		149	74.5
E6543912 (9650672)		<5	1.4
E6543913 (9650673)		802	75.4
E6543914 (9650674)		3370	62.8
E6543915 (9650675)		2430	60.0
E6543916 (9650676)		292	68.3
E6543917 (9650677)		124	72.6
E6543918 (9650678)		121	71.5
E6543919 (9650679)		2360	73.5
E6543920 (9650680)		168	72.4
E6543921 (9650681)		1210	142
E6543922 (9650682)		156	118
E6543923 (9650683)		104	145
E6543924 (9650684)		113	169
E6543925 (9650685)		84	70.7

Certified By:



Certificate of Analysis

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PROJECT: DDH-223

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 21, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E6543926 (9650686)		7	172
E6543927 (9650687)		81	73.8
E6543928 (9650688)		230	75.0
E6543929 (9650689)		74	76.1
E6543930 (9650690)		71	75.5
E6543931 (9650691)		75	72.4
E6543932 (9650692)		<5	2.1
E6543933 (9650693)		908	73.2
E6543934 (9650694)		10300	68.4
E6543935 (9650695)		121	75.1

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

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CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018	DATE REPORTED: Nov 21, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6543894 (9650654)		89
E6543913 (9650673)		88
E6543933 (9650693)		88

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9650654	< 1	< 1	0.0%	9650668	< 1	< 1	0.0%	9650679	< 1	< 1	0.0%	9650693	< 1	< 1	0.0%
Al	9650654	6.93	7.36	6.0%	9650668	7.84	7.80	0.5%	9650679	7.36	7.45	1.2%	9650693	7.66	7.77	1.4%
As	9650654	57	46	21.4%	9650668	< 5	< 5	0.0%	9650679	< 5	< 5	0.0%	9650693	43	42	2.4%
B	9650654	< 20	22		9650668	27	29	7.1%	9650679	< 20	< 20	0.0%	9650693	30	32	6.5%
Ba	9650654	340	337	0.9%	9650668	273	283	3.6%	9650679	711	702	1.3%	9650693	315	319	1.3%
Be	9650654	< 5	< 5	0.0%	9650668	< 5	< 5	0.0%	9650679	< 5	< 5	0.0%	9650693	< 5	< 5	0.0%
Bi	9650654	0.4	0.4	0.0%	9650668	0.2	0.2	0.0%	9650679	0.1	0.1	0.0%	9650693	0.1	< 0.1	
Ca	9650654	3.46	3.87	11.2%	9650668	6.65	6.83	2.7%	9650679	7.69	7.88	2.4%	9650693	6.84	7.03	2.7%
Cd	9650654	< 0.2	< 0.2	0.0%	9650668	< 0.2	< 0.2	0.0%	9650679	11.9	10.2	15.4%	9650693	3.7	3.6	2.7%
Ce	9650654	32.2	32.8	1.8%	9650668	13.7	14.2	3.6%	9650679	10.3	10.2	1.0%	9650693	13.8	13.6	1.5%
Co	9650654	47.4	43.3	9.0%	9650668	45.8	46.8	2.2%	9650679	48.1	45.7	5.1%	9650693	59.7	57.4	3.9%
Cr	9650654	0.032	0.031	3.2%	9650668	0.0254	0.0263	3.5%	9650679	0.0219	0.0215	1.8%	9650693	0.023	0.023	0.0%
Cs	9650654	0.7	0.7	0.0%	9650668	1.25	1.32	5.4%	9650679	0.8	0.8	0.0%	9650693	0.9	0.9	0.0%
Cu	9650654	27	24	11.8%	9650668	119	123	3.3%	9650679	23	21	9.1%	9650693	56	53	5.5%
Dy	9650654	3.62	3.79	4.6%	9650668	4.49	4.58	2.0%	9650679	4.29	4.04	6.0%	9650693	4.43	4.35	1.8%
Er	9650654	2.30	2.09	9.6%	9650668	2.87	2.85	0.7%	9650679	2.68	2.76	2.9%	9650693	2.85	2.71	5.0%
Eu	9650654	1.05	1.12	6.5%	9650668	1.10	1.02	7.5%	9650679	1.06	0.99	6.8%	9650693	1.17	1.19	1.7%
Fe	9650654	10.1	11.3	11.2%	9650668	8.32	8.61	3.4%	9650679	8.98	9.26	3.1%	9650693	9.11	9.36	2.7%
Ga	9650654	18.6	18.4	1.1%	9650668	17.1	17.4	1.7%	9650679	18.5	17.6	5.0%	9650693	19.2	18.7	2.6%
Gd	9650654	3.94	3.88	1.5%	9650668	4.02	3.90	3.0%	9650679	3.66	3.52	3.9%	9650693	4.00	3.83	4.3%
Ge	9650654	1	2		9650668	2	2	0.0%	9650679	2	2	0.0%	9650693	2	2	0.0%
Hf	9650654	3	3	0.0%	9650668	2	2	0.0%	9650679	2	2	0.0%	9650693	2	2	0.0%
Ho	9650654	0.76	0.75	1.3%	9650668	1.03	1.03	0.0%	9650679	0.961	0.913	5.1%	9650693	0.98	0.93	5.2%
In	9650654	< 0.2	< 0.2	0.0%	9650668	< 0.2	< 0.2	0.0%	9650679	< 0.2	< 0.2	0.0%	9650693	< 0.2	< 0.2	0.0%
K	9650654	1.01	1.08	6.7%	9650668	1.04	1.04	0.0%	9650679	1.52	1.51	0.7%	9650693	1.16	1.20	3.4%
La	9650654	14.2	14.7	3.5%	9650668	5.4	5.4	0.0%	9650679	3.8	3.8	0.0%	9650693	5.40	5.31	1.7%
Li	9650654	25	30	18.2%	9650668	14	15	6.9%	9650679	36	36	0.0%	9650693	22	23	4.4%
Lu	9650654	0.309	0.317	2.6%	9650668	0.445	0.444	0.2%	9650679	0.41	0.41	0.0%	9650693	0.429	0.420	2.1%
Mg	9650654	4.79	4.78	0.2%	9650668	3.44	3.59	4.3%	9650679	3.69	3.53	4.4%	9650693	3.92	4.07	3.8%
Mn	9650654	2120	2260	6.4%	9650668	2140	2150	0.5%	9650679	1650	1640	0.6%	9650693	1670	1700	1.8%
Mo	9650654	9	9	0.0%	9650668	< 2	< 2	0.0%	9650679	< 2	< 2	0.0%	9650693	2	2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Nb	9650654	5	4	22.2%	9650668	3	3	0.0%	9650679	3	3	0.0%	9650693	3	3	0.0%
Nd	9650654	17.1	16.9	1.2%	9650668	9.52	9.81	3.0%	9650679	8.06	7.53	6.8%	9650693	9.70	9.54	1.7%
Ni	9650654	109	108	0.9%	9650668	95	99	4.1%	9650679	101	100	1.0%	9650693	107	108	0.9%
P	9650654	0.08	0.08	0.0%	9650668	0.05	0.05	0.0%	9650679	0.046	0.042	9.1%	9650693	0.04	0.04	0.0%
Pb	9650654	164	163	0.6%	9650668	13	16	20.7%	9650679	194	181	6.9%	9650693	1260	1280	1.6%
Pr	9650654	4.13	4.23	2.4%	9650668	2.06	1.99	3.5%	9650679	1.54	1.49	3.3%	9650693	2.03	2.01	1.0%
Rb	9650654	25.4	24.3	4.4%	9650668	45.3	46.2	2.0%	9650679	50.9	48.7	4.4%	9650693	45.1	43.8	2.9%
S	9650654	0.538	0.515	4.4%	9650668	0.14	0.15	6.9%	9650679	0.29	0.24	18.9%	9650693	0.08	0.08	0.0%
Sb	9650654	0.37	0.35	5.6%	9650668	0.3	0.3	0.0%	9650679	0.74	0.75	1.3%	9650693	1.24	1.14	8.4%
Sc	9650654	28	27	3.6%	9650668	39	40	2.5%	9650679	36	36	0.0%	9650693	38	38	0.0%
Si	9650654	23.6	25.2	6.6%	9650668	23.9	24.1	0.8%	9650679	21.5	21.5	0.0%	9650693	23.4	23.8	1.7%
Sm	9650654	3.85	3.94	2.3%	9650668	2.9	2.9	0.0%	9650679	2.6	2.6	0.0%	9650693	2.9	2.8	3.5%
Sn	9650654	3	2		9650668	2	< 1		9650679	2	< 1		9650693	< 1	< 1	0.0%
Sr	9650654	168	185	9.6%	9650668	144	148	2.7%	9650679	444	450	1.3%	9650693	157	159	1.3%
Ta	9650654	< 0.5	< 0.5	0.0%	9650668	< 0.5	< 0.5	0.0%	9650679	< 0.5	< 0.5	0.0%	9650693	< 0.5	< 0.5	0.0%
Tb	9650654	0.63	0.64	1.6%	9650668	0.69	0.72	4.3%	9650679	0.64	0.64	0.0%	9650693	0.708	0.674	4.9%
Th	9650654	2.1	2.1	0.0%	9650668	0.5	0.5	0.0%	9650679	0.5	0.5	0.0%	9650693	0.5	0.5	0.0%
Ti	9650654	0.55	0.58	5.3%	9650668	0.70	0.70	0.0%	9650679	0.65	0.65	0.0%	9650693	0.69	0.70	1.4%
Tl	9650654	< 0.5	< 0.5	0.0%	9650668	< 0.5	< 0.5	0.0%	9650679	< 0.5	< 0.5	0.0%	9650693	< 0.5	< 0.5	0.0%
Tm	9650654	0.31	0.33	6.3%	9650668	0.423	0.433	2.3%	9650679	0.428	0.405	5.5%	9650693	0.43	0.42	2.4%
U	9650654	0.749	0.730	2.6%	9650668	0.16	0.16	0.0%	9650679	0.15	0.13	14.3%	9650693	0.166	0.143	14.9%
V	9650654	210	205	2.4%	9650668	292	298	2.0%	9650679	274	272	0.7%	9650693	291	293	0.7%
W	9650654	2	2	0.0%	9650668	1	1	0.0%	9650679	2	2	0.0%	9650693	2	2	0.0%
Y	9650654	19.5	18.8	3.7%	9650668	25.0	25.5	2.0%	9650679	23.7	22.8	3.9%	9650693	24.4	24.2	0.8%
Yb	9650654	2.08	2.03	2.4%	9650668	2.7	2.8	3.6%	9650679	2.71	2.63	3.0%	9650693	2.70	2.62	3.0%
Zn	9650654	132	142	7.3%	9650668	104	105	1.0%	9650679	2360	2080	12.6%	9650693	908	964	6.0%
Zr	9650654	104	102	1.9%	9650668	73.9	75.3	1.9%	9650679	73.5	70.3	4.5%	9650693	73.2	71.1	2.9%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.51	96%	90% - 110%	8.47	8.27	98%	90% - 110%								
As					26	25	96%	90% - 110%	25	27	108%	90% - 110%				
Ba	340	328	96%	90% - 110%	540	526	97%	90% - 110%								
Be	2.6	3.1	120%	90% - 110%	4.0	3.6	89%	90% - 110%								
Ca	5.72	5.79	101%	90% - 110%	0.907	0.947	104%	90% - 110%								
Ce	122	125	102%	90% - 110%	98	107	109%	90% - 110%								
Co	2.8	2.7	95%	90% - 110%	15	15	98%	90% - 110%	1202	1290	107%	90% - 110%				
Cs	1.5	1.6	108%	90% - 110%												
Cu					150	159	106%	90% - 110%	15414	14149	92%	90% - 110%				
Dy	18.2	18.8	103%	90% - 110%												
Er	14.2	14.5	102%	90% - 110%	3.7	4	108%	90% - 110%								
Eu	2.0	2	102%	90% - 110%												
Fe	4.34	4.37	101%	90% - 110%	3.77	3.99	106%	90% - 110%								
Ga	35	36	104%	90% - 110%												
Gd	14	15	109%	90% - 110%												
Hf	10.6	11.4	107%	90% - 110%	11	10	91%	90% - 110%								
Ho	4.3	4.6	106%	90% - 110%												
K	1.37	1.42	104%	90% - 110%	2.55	2.57	101%	90% - 110%								
La	58	59	102%	90% - 110%	44	48	110%	90% - 110%								
Li	37	40	107%	90% - 110%	47	48	103%	90% - 110%								
Lu	2.1	2.2	103%	90% - 110%	0.6	0.6	100%	90% - 110%								
Mg	0.325	0.304	94%	90% - 110%	1.1	1.1	102%	90% - 110%								
Mn	836	789	94%	90% - 110%	780	764	98%	90% - 110%								
Mo					14	15	106%	90% - 110%								
Nb	13	13	103%	90% - 110%	20	18	92%	90% - 110%								
Nd	57	58	102%	90% - 110%												
Ni	9	11	126%	90% - 110%					23610	21658	92%	90% - 110%				
Pb	10	10	98%	90% - 110%	31	31	101%	90% - 110%	41	42	102%	90% - 110%				
Pr	15.0	15.2	101%	90% - 110%												
Rb	55	54	99%	90% - 110%	144	145	101%	90% - 110%								
Sb					0.8	0.7	91%	90% - 110%								



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Sc					12	12	98%	90% - 110%								
Si	23.3	22.9	98%	90% - 110%	28.4	28.7	101%	90% - 110%								
Sm	12.7	12.4	97%	90% - 110%	7.4	7.9	107%	90% - 110%								
Sn	7.1	7.3	103%	90% - 110%												
Sr	1191	1127	95%	90% - 110%	144	146	102%	90% - 110%								
Ta	0.9	0.8	84%	90% - 110%	1.9	1.4	75%	90% - 110%								
Tb	2.6	2.8	107%	90% - 110%	1.2	1.3	107%	90% - 110%								
Th	1.4	1.4	99%	90% - 110%	18.4	17.8	97%	90% - 110%								
Ti	0.172	0.159	93%	90% - 110%	0.527	0.5	95%	90% - 110%								
Tm	2.3	2.4	103%	90% - 110%												
U	0.8	1	121%	90% - 110%	5.7	5.1	90%	90% - 110%								
V					77	80	104%	90% - 110%								
W					5	5	95%	90% - 110%								
Y	119	119	100%	90% - 110%	40	38	94%	90% - 110%								
Yb	14.8	15.3	103%	90% - 110%												
Zn	93	90	97%	90% - 110%	130	126	97%	90% - 110%	90	83	93%	90% - 110%				
Zr	517	557	108%	90% - 110%	390	365	93%	90% - 110%								



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-223
 SAMPLING SITE:

AGAT WORK ORDER: 18B401425
 ATTENTION TO: FRANK SANTAGUIDA
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12002/12020		ICP/OES
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B401425

PROJECT: DDH-223

ATTENTION TO: FRANK SANTAGUIDA

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Th	MIN-200-12001		ICP-MS
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

PROJECT: DDH-224A

AGAT WORK ORDER: 18B397836

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 02, 2018

PAGES (INCLUDING COVER): 23

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5722823 (9628267)		1.96
E5722824 (9628268)		1.95
E5722825 (9628269)		1.06
E5722826 (9628270)		0.01
E5722827 (9628271)		2.03
E5722828 (9628272)		1.60
E5722829 (9628273)		2.30
E5722830 (9628274)		1.18
E5722831 (9628275)		1.07
E5722832 (9628276)		1.52
E5722833 (9628277)		2.43
E5722834 (9628278)		2.34
E5722835 (9628279)		2.50
E5722836 (9628280)		2.61
E5722837 (9628281)		2.35
E5722838 (9628282)		2.35
E5722839 (9628283)		0.76
E5722840 (9628284)		1.71
E5722841 (9628285)		0.89
E5722842 (9628286)		2.40
E5722843 (9628287)		2.61
E5722844 (9628288)		1.65
E5722845 (9628289)		1.99
E5722846 (9628290)		0.01
E5722847 (9628291)		1.86
E5722848 (9628292)		1.85
E5722849 (9628293)		2.56
E5722850 (9628294)		2.77
E5722851 (9628295)		2.28
E5722852 (9628296)		1.50
E5722853 (9628297)		1.36

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(200-) Sample Login Weight

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E5722854 (9628298)		1.32
E5722855 (9628299)		1.27
E5722856 (9628300)		2.01
E5722857 (9628301)		1.96
E5722858 (9628302)		1.96
E5722859 (9628303)		1.22
E5722860 (9628304)		1.24
E5722861 (9628305)		2.27
E5722862 (9628306)		2.69
E5722863 (9628307)		0.98
E5722864 (9628308)		0.93
E5722865 (9628309)		1.57
E5722866 (9628310)		0.01
E5722867 (9628311)		1.33
E5722868 (9628312)		1.20
E5722869 (9628313)		1.94
E5722870 (9628314)		2.50

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr %	Cs ppm	Cu ppm
E5722823 (9628267)	<1	7.86	55	39	265	<5	4.6	7.57	2.6	13.3	48.6	0.026	1.1	342	
E5722824 (9628268)	<1	8.37	16	32	399	<5	0.6	5.74	1.0	12.0	39.3	0.026	0.8	80	
E5722825 (9628269)	<1	8.75	13	35	359	<5	0.4	6.49	0.3	12.8	34.1	0.027	1.0	72	
E5722826 (9628270)	<1	4.88	580	128	172	<5	8.1	4.36	<0.2	70.5	1010	0.007	2.6	3000	
E5722827 (9628271)	<1	8.90	43	35	289	<5	0.9	7.53	1.1	13.6	54.6	0.029	2.2	100	
E5722828 (9628272)	<1	7.78	36	<20	311	<5	0.7	5.18	2.2	27.7	55.8	0.050	0.5	61	
E5722829 (9628273)	<1	8.18	10	<20	429	<5	0.3	5.57	<0.2	24.6	55.0	0.043	0.9	175	
E5722830 (9628274)	<1	8.37	7	<20	401	<5	0.3	5.88	0.4	17.6	40.9	0.023	1.0	37	
E5722831 (9628275)	<1	7.41	<5	20	205	<5	0.2	6.01	0.2	15.3	47.8	0.014	1.4	35	
E5722832 (9628276)	<1	0.06	<5	<20	30.3	<5	<0.1	36.1	<0.2	0.8	0.8	<0.005	<0.1	<5	
E5722833 (9628277)	<1	7.31	7	<20	238	<5	0.3	5.93	0.6	16.0	42.4	0.015	1.4	48	
E5722834 (9628278)	<1	7.13	9	21	176	<5	0.4	6.63	<0.2	22.6	44.1	0.012	6.5	105	
E5722835 (9628279)	1	6.77	20	<20	147	<5	1.8	6.08	4.6	22.3	41.3	0.012	6.0	149	
E5722836 (9628280)	<1	7.08	6	<20	126	<5	0.4	6.67	<0.2	24.0	46.2	0.012	6.1	127	
E5722837 (9628281)	<1	7.61	5	<20	282	<5	0.5	6.61	<0.2	27.1	29.0	0.012	0.6	35	
E5722838 (9628282)	<1	7.76	6	<20	267	<5	0.5	6.81	<0.2	28.2	29.2	0.012	0.5	43	
E5722839 (9628283)	<1	7.54	<5	<20	271	<5	<0.1	5.11	<0.2	32.4	34.2	0.061	0.4	19	
E5722840 (9628284)	<1	6.78	15	<20	55.5	<5	0.3	5.40	<0.2	158	37.4	0.054	0.4	17	
E5722841 (9628285)	<1	7.04	6	<20	38.9	<5	0.4	4.87	<0.2	19.4	27.5	0.009	0.2	322	
E5722842 (9628286)	<1	7.39	12	<20	264	<5	0.2	5.07	<0.2	26.4	38.7	0.011	1.2	49	
E5722843 (9628287)	<1	7.95	39	<20	253	<5	0.5	7.74	<0.2	23.8	48.1	0.023	2.2	132	
E5722844 (9628288)	<1	7.35	131	<20	238	<5	0.9	3.80	<0.2	104	57.4	0.050	1.8	227	
E5722845 (9628289)	<1	7.57	188	<20	310	<5	1.4	4.94	<0.2	36.4	61.2	0.017	3.5	324	
E5722846 (9628290)	<1	5.00	573	128	171	<5	8.3	4.43	<0.2	72.6	1010	0.006	2.7	2940	
E5722847 (9628291)	<1	8.10	146	<20	217	<5	1.0	4.78	<0.2	26.3	51.6	0.021	4.8	182	
E5722848 (9628292)	<1	8.09	66	<20	290	<5	1.2	5.94	<0.2	21.5	45.4	0.020	3.4	198	
E5722849 (9628293)	<1	7.86	25	<20	185	<5	0.5	6.14	<0.2	19.0	46.2	0.023	3.8	155	
E5722850 (9628294)	<1	7.91	16	24	235	<5	0.3	7.85	<0.2	16.6	52.3	0.018	1.7	126	
E5722851 (9628295)	2	7.84	95	22	337	<5	1.6	6.30	<0.2	16.4	71.6	0.016	2.2	275	
E5722852 (9628296)	<1	0.06	<5	<20	18.6	<5	<0.1	36.9	<0.2	0.9	0.9	<0.005	<0.1	<5	
E5722853 (9628297)	3	8.11	91	20	408	<5	2.2	4.98	<0.2	82.6	82.9	0.017	5.1	314	
E5722854 (9628298)	4	8.44	61	23	397	<5	1.5	5.21	<0.2	63.5	56.1	0.017	2.5	298	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E5722855 (9628299)	4	8.27	129	<20	763	<5	0.7	1.78	<0.2	68.4	74.9	0.023	1.2	368	
E5722856 (9628300)	2	8.07	13	<20	901	<5	0.2	3.13	<0.2	37.2	22.9	0.022	0.6	52	
E5722857 (9628301)	<1	7.78	16	<20	760	<5	<0.1	2.86	<0.2	23.5	19.6	0.022	0.4	246	
E5722858 (9628302)	<1	7.94	11	<20	771	<5	<0.1	2.81	<0.2	24.5	18.8	0.022	0.4	157	
E5722859 (9628303)	<1	7.83	12	<20	893	<5	0.2	2.80	<0.2	33.6	32.4	0.022	0.4	70	
E5722860 (9628304)	<1	7.58	39	<20	689	<5	<0.1	4.83	<0.2	33.6	39.0	0.075	0.7	29	
E5722861 (9628305)	<1	7.51	34	<20	700	<5	0.1	4.91	<0.2	34.1	42.2	0.078	0.9	46	
E5722862 (9628306)	<1	7.55	32	<20	667	<5	<0.1	5.48	<0.2	33.8	46.0	0.080	0.9	51	
E5722863 (9628307)	<1	6.90	140	<20	348	<5	<0.1	5.85	<0.2	31.9	54.9	0.100	1.4	21	
E5722864 (9628308)	147	6.03	1520	<20	227	<5	1.9	9.56	<0.2	40.7	360	0.088	1.9	508	
E5722865 (9628309)	<1	0.08	<5	<20	17.8	<5	<0.1	37.4	<0.2	0.9	1.0	<0.005	<0.1	<5	
E5722866 (9628310)	2	4.94	570	127	174	<5	8.1	4.45	<0.2	72.1	993	0.006	2.5	2990	
E5722867 (9628311)	1	8.36	11	25	301	<5	0.3	7.27	<0.2	22.7	47.8	0.020	1.8	103	
E5722868 (9628312)	2	8.18	20	28	226	<5	0.2	8.00	<0.2	18.8	54.7	0.017	1.5	135	
E5722869 (9628313)	1	7.90	7	29	253	<5	0.2	7.36	<0.2	18.6	54.9	0.018	1.9	168	
E5722870 (9628314)	1	8.36	9	24	232	<5	0.2	7.28	<0.2	15.8	52.1	0.019	1.3	162	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E5722823 (9628267)		3.86	2.41	1.21	8.58	19.3	3.49	1	2	0.82	<0.2	1.20	5.7	20	0.40
E5722824 (9628268)		3.32	2.18	1.00	8.01	17.0	3.07	2	2	0.72	<0.2	1.47	5.4	29	0.34
E5722825 (9628269)		3.46	2.23	1.21	8.17	19.3	3.19	2	2	0.73	<0.2	1.32	5.8	24	0.34
E5722826 (9628270)		2.97	1.86	0.91	3.32	12.3	4.02	2	5	0.62	0.2	3.46	35.0	<10	0.30
E5722827 (9628271)		3.69	2.44	0.94	8.41	20.0	3.22	2	2	0.79	<0.2	1.32	6.4	21	0.41
E5722828 (9628272)		3.18	1.98	1.00	6.67	16.3	3.53	1	3	0.65	<0.2	0.98	12.5	19	0.31
E5722829 (9628273)		3.26	2.04	1.08	7.08	18.3	3.55	2	2	0.69	<0.2	1.18	11.1	18	0.34
E5722830 (9628274)		3.24	2.05	0.89	7.44	17.9	3.09	2	2	0.68	<0.2	1.35	8.3	18	0.32
E5722831 (9628275)		4.52	2.93	1.14	9.55	19.3	4.04	2	3	0.99	<0.2	0.68	6.3	19	0.50
E5722832 (9628276)		0.17	0.13	<0.05	0.06	0.17	0.19	2	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E5722833 (9628277)		4.82	3.04	1.10	10.4	18.4	4.26	2	3	1.04	<0.2	0.81	6.4	25	0.53
E5722834 (9628278)		5.20	3.30	1.20	12.6	19.5	4.59	2	3	1.14	<0.2	1.20	9.6	28	0.54
E5722835 (9628279)		5.10	3.22	1.06	11.6	18.5	4.59	2	3	1.07	<0.2	1.10	9.4	33	0.53
E5722836 (9628280)		5.06	3.39	1.02	14.4	19.5	4.76	2	3	1.18	<0.2	1.05	10.1	33	0.58
E5722837 (9628281)		5.31	3.43	1.30	8.87	18.4	5.00	2	4	1.18	<0.2	0.99	11.8	14	0.58
E5722838 (9628282)		5.58	3.66	1.30	8.99	18.0	5.49	2	4	1.24	<0.2	0.95	12.3	13	0.58
E5722839 (9628283)		3.15	1.88	1.12	7.08	14.9	4.01	1	3	0.65	<0.2	0.99	13.6	19	0.32
E5722840 (9628284)		5.23	2.35	3.27	12.2	19.7	10.0	1	5	0.95	0.2	0.26	73.3	26	0.37
E5722841 (9628285)		4.83	3.03	0.98	7.92	13.3	4.28	1	3	1.06	<0.2	0.20	7.3	11	0.49
E5722842 (9628286)		5.32	3.27	1.21	8.18	17.3	5.06	1	4	1.18	<0.2	1.22	11.0	18	0.57
E5722843 (9628287)		4.55	2.79	1.62	10.2	18.6	4.40	2	2	1.02	<0.2	0.99	12.1	21	0.52
E5722844 (9628288)		5.51	2.92	2.40	10.4	19.5	8.05	2	4	1.05	<0.2	0.79	50.8	47	0.46
E5722845 (9628289)		5.58	3.42	1.65	11.5	19.4	5.55	2	3	1.17	0.2	1.08	17.6	40	0.55
E5722846 (9628290)		3.07	1.76	0.89	3.32	12.3	4.00	2	5	0.61	0.3	3.42	36.0	<10	0.32
E5722847 (9628291)		5.41	3.32	1.33	9.46	20.2	5.06	2	3	1.13	<0.2	1.10	11.6	27	0.54
E5722848 (9628292)		5.80	3.58	1.38	8.81	20.2	5.32	2	3	1.26	<0.2	1.30	9.2	25	0.58
E5722849 (9628293)		5.24	3.41	1.18	9.57	19.7	4.58	2	3	1.11	<0.2	1.08	7.7	26	0.58
E5722850 (9628294)		4.74	3.14	1.05	11.4	18.8	4.26	2	3	1.05	<0.2	0.81	6.7	15	0.53
E5722851 (9628295)		4.61	2.99	0.96	11.6	18.6	4.10	2	2	0.99	<0.2	1.04	6.9	22	0.50
E5722852 (9628296)		0.20	0.15	<0.05	0.08	0.26	0.18	1	<1	0.05	<0.2	<0.05	1.1	<10	<0.05
E5722853 (9628297)		5.59	3.42	2.32	9.52	20.3	6.81	2	3	1.16	<0.2	1.36	46.6	32	0.52
E5722854 (9628298)		5.48	3.27	1.86	10.2	19.8	6.25	2	3	1.14	<0.2	1.31	32.7	28	0.53

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
Sample ID (AGAT ID)														
E5722855 (9628299)	3.84	1.93	1.37	6.09	19.8	6.66	2	3	0.68	<0.2	2.19	32.0	18	0.30
E5722856 (9628300)	2.26	1.17	1.16	3.92	20.1	3.32	1	3	0.43	<0.2	1.67	18.1	15	0.19
E5722857 (9628301)	1.83	1.00	0.91	3.76	19.1	2.54	<1	3	0.37	<0.2	1.27	10.6	13	0.16
E5722858 (9628302)	1.77	1.06	0.95	3.69	19.9	2.76	1	3	0.36	<0.2	1.28	11.1	12	0.17
E5722859 (9628303)	2.03	1.03	1.19	3.95	17.3	2.94	1	3	0.40	<0.2	2.18	17.7	13	0.17
E5722860 (9628304)	2.91	1.78	1.06	7.37	17.2	3.45	2	3	0.62	<0.2	1.52	15.8	31	0.34
E5722861 (9628305)	3.27	1.97	1.09	7.52	16.9	3.73	1	3	0.69	<0.2	1.51	16.0	38	0.34
E5722862 (9628306)	3.08	1.96	1.08	7.47	16.2	3.63	2	3	0.66	<0.2	1.56	15.9	41	0.32
E5722863 (9628307)	3.46	2.02	1.24	7.43	15.8	4.12	1	2	0.72	<0.2	0.90	14.9	48	0.31
E5722864 (9628308)	4.81	2.49	1.31	7.60	15.0	6.28	2	2	0.95	0.3	0.70	17.9	36	0.40
E5722865 (9628309)	0.21	0.14	<0.05	0.09	0.24	0.22	1	<1	0.05	<0.2	<0.05	1.1	<10	<0.05
E5722866 (9628310)	2.98	1.89	0.88	3.30	11.7	3.99	2	5	0.60	0.2	3.35	35.7	<10	0.32
E5722867 (9628311)	5.32	3.33	1.19	9.40	20.1	4.82	2	3	1.19	<0.2	0.96	10.9	26	0.60
E5722868 (9628312)	5.30	3.41	1.15	10.3	19.5	4.82	2	3	1.17	<0.2	0.73	8.0	17	0.58
E5722869 (9628313)	5.09	3.27	1.10	10.7	20.1	4.71	2	3	1.10	<0.2	0.72	7.5	24	0.56
E5722870 (9628314)	4.32	2.91	1.00	10.2	19.4	3.90	2	3	0.98	<0.2	0.76	6.6	20	0.51

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722823 (9628267)	2.62	1940	6	2	8.6	133	0.03	234	1.98	60.7	0.56	1.0	47	23.2	
E5722824 (9628268)	2.59	1730	5	2	8.3	128	0.04	147	1.73	56.8	0.49	0.8	40	24.2	
E5722825 (9628269)	2.67	1770	5	3	8.6	125	0.04	167	1.85	59.0	0.32	0.9	39	24.2	
E5722826 (9628270)	2.74	473	12	8	29.1	173	0.07	14	8.26	114	1.63	1.7	7	27.4	
E5722827 (9628271)	2.35	1830	8	3	9.0	133	0.04	250	1.94	72.4	0.33	0.8	50	23.3	
E5722828 (9628272)	4.03	1310	<2	3	14.6	151	0.10	162	3.62	26.4	0.12	0.3	29	24.0	
E5722829 (9628273)	3.46	1330	4	3	13.7	158	0.08	24	3.13	39.4	0.26	0.5	34	24.5	
E5722830 (9628274)	2.91	1420	4	3	9.8	108	0.06	145	2.36	43.4	0.23	0.7	34	24.1	
E5722831 (9628275)	3.81	1910	3	3	10.8	74	0.06	34	2.22	26.8	0.23	0.7	42	22.0	
E5722832 (9628276)	1.10	<10	<2	<1	0.8	<5	<0.01	<5	0.18	0.5	0.01	<0.1	<5	5.23	
E5722833 (9628277)	4.05	2060	3	4	11.2	68	0.06	104	2.33	29.2	0.19	0.6	41	22.9	
E5722834 (9628278)	3.10	2580	4	5	14.1	58	0.07	14	3.18	89.8	0.41	1.1	35	22.4	
E5722835 (9628279)	3.41	2240	7	5	14.0	55	0.06	124	3.09	80.3	0.36	0.7	34	22.7	
E5722836 (9628280)	3.41	2670	6	5	14.7	60	0.07	15	3.34	83.7	0.47	0.9	37	21.6	
E5722837 (9628281)	3.01	1920	4	6	16.5	54	0.07	11	3.66	27.9	0.08	0.7	37	24.6	
E5722838 (9628282)	3.03	1940	3	5	16.8	54	0.07	9	3.79	26.3	0.08	0.8	39	25.0	
E5722839 (9628283)	5.15	1460	3	4	17.2	174	0.13	8	4.34	27.5	0.03	0.4	24	23.7	
E5722840 (9628284)	4.93	1740	<2	7	78.9	138	0.32	13	20.0	7.0	0.46	1.6	23	22.4	
E5722841 (9628285)	3.17	1250	8	5	13.1	49	0.07	25	2.83	4.8	0.12	1.1	35	26.0	
E5722842 (9628286)	2.96	1630	5	6	16.2	48	0.08	15	3.65	40.5	0.29	1.0	38	25.1	
E5722843 (9628287)	3.44	1900	3	3	13.6	91	0.06	7	3.11	46.7	0.49	1.5	40	23.2	
E5722844 (9628288)	5.29	1570	<2	6	51.0	149	0.21	18	13.0	30.8	0.02	2.0	35	22.9	
E5722845 (9628289)	3.60	1880	2	4	20.2	78	0.07	9	4.70	57.5	0.26	2.8	39	22.5	
E5722846 (9628290)	2.71	471	12	8	30.5	170	0.07	13	8.36	112	1.60	1.8	7	27.9	
E5722847 (9628291)	3.12	1750	<2	5	15.7	73	0.08	6	3.54	74.0	0.06	2.2	41	25.4	
E5722848 (9628292)	2.89	1890	2	5	14.5	73	0.08	10	3.09	66.8	0.32	2.0	43	24.1	
E5722849 (9628293)	3.13	1950	6	5	12.7	80	0.08	6	2.78	65.0	0.55	1.7	42	22.8	
E5722850 (9628294)	3.01	2470	6	4	11.2	67	0.05	13	2.39	37.1	0.85	4.6	42	22.4	
E5722851 (9628295)	2.98	2280	3	4	11.3	74	0.06	14	2.33	49.6	1.16	4.6	41	22.9	
E5722852 (9628296)	1.30	<10	<2	<1	0.8	<5	<0.01	<5	0.19	1.1	0.03	<0.1	<5	4.62	
E5722853 (9628297)	3.25	2030	3	4	36.6	83	0.06	16	9.42	82.9	0.58	5.2	45	22.8	
E5722854 (9628298)	2.98	2070	3	4	30.4	70	0.06	22	7.69	61.6	0.80	5.8	45	24.0	

Certified By:



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AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722855 (9628299)	2.70	1170	3	3	37.2	68	0.08	44	9.09	55.8	0.12	3.2	23	28.6	
E5722856 (9628300)	2.04	820	5	3	18.3	63	0.07	17	4.62	43.7	0.17	1.6	14	31.3	
E5722857 (9628301)	2.19	838	4	2	12.8	70	0.07	8	3.07	37.4	0.12	1.2	13	29.3	
E5722858 (9628302)	2.17	838	5	3	12.9	61	0.07	8	3.19	37.3	0.11	1.2	13	29.5	
E5722859 (9628303)	2.30	840	7	3	16.4	70	0.07	5	4.20	53.1	0.26	1.3	14	29.7	
E5722860 (9628304)	5.26	1610	<2	3	16.9	195	0.13	6	4.20	44.5	0.05	1.6	23	24.6	
E5722861 (9628305)	5.63	1660	<2	4	17.2	213	0.14	7	4.35	47.7	0.10	1.8	25	24.0	
E5722862 (9628306)	5.64	1600	<2	3	17.7	216	0.15	9	4.26	50.8	0.14	1.4	26	24.2	
E5722863 (9628307)	6.42	1650	<2	3	18.0	256	0.18	10	4.24	37.6	0.05	1.6	26	23.2	
E5722864 (9628308)	5.21	1900	3	3	24.5	256	0.12	74	5.55	28.6	0.22	2.3	25	20.3	
E5722865 (9628309)	1.12	11	<2	<1	0.8	6	<0.01	<5	0.19	0.5	0.01	<0.1	<5	4.78	
E5722866 (9628310)	2.78	467	12	8	30.0	169	0.08	15	8.58	114	1.65	1.8	7	27.2	
E5722867 (9628311)	2.84	1930	5	5	14.5	74	0.06	5	3.12	46.5	0.32	1.8	47	25.6	
E5722868 (9628312)	2.71	2210	4	4	13.0	71	0.06	8	2.70	35.4	0.86	2.2	47	24.3	
E5722869 (9628313)	2.83	2260	5	4	12.6	72	0.06	7	2.68	36.3	1.17	2.0	43	23.6	
E5722870 (9628314)	2.71	2200	4	4	10.9	72	0.05	6	2.30	34.4	1.03	1.5	44	23.6	

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AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E5722823 (9628267)	2.5	4	157	<0.5	0.58	0.6	0.54	<0.5	0.37	0.26	312	2	23.9	2.4	
E5722824 (9628268)	2.3	4	176	<0.5	0.51	0.5	0.59	<0.5	0.32	0.24	291	3	20.1	2.0	
E5722825 (9628269)	2.4	3	202	<0.5	0.54	0.5	0.61	<0.5	0.31	0.28	290	3	20.5	2.2	
E5722826 (9628270)	4.8	6	28.5	0.8	0.58	10.6	0.24	0.7	0.28	6.60	60	4	18.7	1.7	
E5722827 (9628271)	2.5	6	180	<0.5	0.55	0.7	0.62	<0.5	0.37	0.22	320	2	22.2	2.4	
E5722828 (9628272)	3.3	6	222	<0.5	0.55	2.4	0.47	<0.5	0.29	0.72	209	<1	19.6	1.9	
E5722829 (9628273)	2.9	3	300	<0.5	0.56	1.9	0.52	<0.5	0.28	0.65	263	<1	19.6	1.9	
E5722830 (9628274)	2.6	1	253	<0.5	0.50	1.5	0.52	<0.5	0.29	0.41	238	1	19.2	1.8	
E5722831 (9628275)	3.1	7	143	<0.5	0.72	0.7	0.77	<0.5	0.44	0.20	346	2	29.1	2.9	
E5722832 (9628276)	0.1	4	59.1	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.10	<5	<1	2.1	0.1	
E5722833 (9628277)	3.1	2	125	<0.5	0.74	0.7	0.82	<0.5	0.45	0.22	338	2	29.8	3.0	
E5722834 (9628278)	3.5	4	131	<0.5	0.81	1.1	0.82	0.8	0.47	0.35	330	2	32.7	3.1	
E5722835 (9628279)	3.3	4	74.0	<0.5	0.76	1.2	0.78	0.6	0.48	0.41	278	2	30.7	3.1	
E5722836 (9628280)	3.8	5	104	<0.5	0.83	1.3	0.82	0.7	0.52	0.37	330	3	32.9	3.4	
E5722837 (9628281)	4.0	5	144	<0.5	0.87	1.4	0.83	<0.5	0.49	0.44	311	2	34.8	3.3	
E5722838 (9628282)	4.1	3	148	<0.5	0.87	1.5	0.86	<0.5	0.52	0.49	314	3	34.4	3.5	
E5722839 (9628283)	3.7	3	214	<0.5	0.57	3.0	0.41	<0.5	0.27	0.77	169	<1	18.7	1.9	
E5722840 (9628284)	13.0	7	180	<0.5	1.20	8.0	0.45	<0.5	0.31	0.96	204	3	28.0	2.1	
E5722841 (9628285)	3.4	6	94.8	<0.5	0.76	1.5	0.74	<0.5	0.47	0.44	273	7	31.3	3.0	
E5722842 (9628286)	4.1	4	78.4	<0.5	0.87	1.6	0.84	<0.5	0.49	0.41	322	3	33.7	3.4	
E5722843 (9628287)	3.5	5	148	<0.5	0.76	0.7	0.78	<0.5	0.40	0.27	325	3	28.4	2.8	
E5722844 (9628288)	9.6	3	120	<0.5	1.09	4.0	0.66	<0.5	0.44	0.80	263	2	30.3	2.7	
E5722845 (9628289)	4.8	3	130	<0.5	0.90	1.0	0.90	<0.5	0.49	0.52	345	4	33.3	3.4	
E5722846 (9628290)	5.0	6	27.3	0.8	0.56	10.6	0.24	0.7	0.26	6.75	60	4	18.8	1.8	
E5722847 (9628291)	3.9	6	105	<0.5	0.83	0.9	1.02	<0.5	0.48	0.40	358	4	33.2	3.2	
E5722848 (9628292)	4.0	4	137	<0.5	0.89	0.8	1.05	<0.5	0.54	0.46	401	3	34.0	3.4	
E5722849 (9628293)	3.5	4	137	<0.5	0.78	0.8	0.95	<0.5	0.49	0.31	353	4	31.7	3.2	
E5722850 (9628294)	3.2	4	178	<0.5	0.76	0.8	0.73	<0.5	0.46	0.24	309	2	30.5	3.0	
E5722851 (9628295)	3.0	4	159	<0.5	0.74	0.7	0.72	<0.5	0.45	0.32	315	2	29.0	2.7	
E5722852 (9628296)	0.2	3	60.2	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.16	<5	<1	2.2	0.1	
E5722853 (9628297)	7.2	4	128	<0.5	1.03	0.8	0.76	<0.5	0.48	0.52	331	2	33.0	3.2	
E5722854 (9628298)	6.1	4	157	<0.5	0.91	0.8	0.79	<0.5	0.47	0.56	335	2	31.6	3.0	

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AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018					DATE REPORTED: Nov 02, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
E5722855 (9628299)	8.1	3	166	<0.5	0.86	1.9	0.47	<0.5	0.28	1.11	186	1	21.2	1.9	
E5722856 (9628300)	3.8	3	381	<0.5	0.45	2.1	0.30	<0.5	0.16	1.20	107	<1	12.3	1.0	
E5722857 (9628301)	2.7	2	315	<0.5	0.35	1.9	0.28	<0.5	0.13	1.07	105	<1	11.2	0.9	
E5722858 (9628302)	2.8	4	326	<0.5	0.38	2.1	0.28	<0.5	0.15	1.14	113	<1	11.2	1.0	
E5722859 (9628303)	3.5	4	262	<0.5	0.41	2.0	0.29	<0.5	0.16	1.06	103	<1	11.4	1.0	
E5722860 (9628304)	3.5	1	302	<0.5	0.52	2.7	0.40	<0.5	0.27	0.80	174	<1	19.0	1.8	
E5722861 (9628305)	3.5	3	291	<0.5	0.57	2.5	0.42	<0.5	0.29	0.73	183	<1	19.4	1.9	
E5722862 (9628306)	3.7	<1	308	<0.5	0.55	2.4	0.43	<0.5	0.27	0.63	183	<1	19.5	1.9	
E5722863 (9628307)	3.9	2	188	<0.5	0.61	2.4	0.41	<0.5	0.29	0.67	198	<1	21.3	1.9	
E5722864 (9628308)	6.0	5	176	<0.5	0.92	1.8	0.38	<0.5	0.38	0.59	180	<1	30.4	2.3	
E5722865 (9628309)	0.1	<1	61.4	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.15	<5	<1	2.1	0.1	
E5722866 (9628310)	5.2	4	27.8	0.8	0.60	10.8	0.23	0.7	0.27	6.88	59	4	18.9	1.8	
E5722867 (9628311)	3.9	3	216	<0.5	0.83	1.2	0.78	<0.5	0.50	0.30	334	3	32.5	3.3	
E5722868 (9628312)	3.5	3	197	<0.5	0.81	0.9	0.77	<0.5	0.53	0.25	336	2	31.9	3.4	
E5722869 (9628313)	3.5	3	169	<0.5	0.79	0.9	0.75	<0.5	0.49	0.25	336	5	31.6	3.3	
E5722870 (9628314)	3.3	2	155	<0.5	0.70	0.7	0.76	<0.5	0.46	0.20	328	2	28.1	2.9	

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AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
E5722823 (9628267)		769	61.8
E5722824 (9628268)		311	62.9
E5722825 (9628269)		127	65.3
E5722826 (9628270)		7	176
E5722827 (9628271)		320	68.5
E5722828 (9628272)		636	103
E5722829 (9628273)		121	91.8
E5722830 (9628274)		183	83.3
E5722831 (9628275)		183	91.9
E5722832 (9628276)		<5	1.9
E5722833 (9628277)		266	92.5
E5722834 (9628278)		108	119
E5722835 (9628279)		1240	115
E5722836 (9628280)		133	120
E5722837 (9628281)		102	132
E5722838 (9628282)		95	131
E5722839 (9628283)		90	108
E5722840 (9628284)		124	192
E5722841 (9628285)		70	122
E5722842 (9628286)		89	139
E5722843 (9628287)		83	85.6
E5722844 (9628288)		122	141
E5722845 (9628289)		106	105
E5722846 (9628290)		6	174
E5722847 (9628291)		91	114
E5722848 (9628292)		96	112
E5722849 (9628293)		89	110
E5722850 (9628294)		94	98.0
E5722851 (9628295)		97	92.3
E5722852 (9628296)		<5	2.0
E5722853 (9628297)		94	101
E5722854 (9628298)		92	99.4

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AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

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 TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 15, 2018 DATE RECEIVED: Oct 16, 2018 DATE REPORTED: Nov 02, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E5722855 (9628299)		78	100
E5722856 (9628300)		59	95.2
E5722857 (9628301)		56	91.2
E5722858 (9628302)		57	93.9
E5722859 (9628303)		57	87.8
E5722860 (9628304)		100	103
E5722861 (9628305)		102	105
E5722862 (9628306)		103	101
E5722863 (9628307)		105	87.6
E5722864 (9628308)		104	76.7
E5722865 (9628309)		<5	1.8
E5722866 (9628310)		8	174
E5722867 (9628311)		81	108
E5722868 (9628312)		89	105
E5722869 (9628313)		96	105
E5722870 (9628314)		96	95.7

Comments: RDL - Reported Detection Limit

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-998) 3 Acid Digest - Ag, ICP-OES finish

DATE SAMPLED: Oct 15, 2018

DATE RECEIVED: Oct 16, 2018

DATE REPORTED: Nov 02, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag
Unit:	ppm
RDL:	0.5
Sample ID (AGAT ID)	E5722864 (9628308)
	143

Comments: RDL - Reported Detection Limit
9628308 As, Sb values may be low due to digestion losses.

Certified By:



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AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 15, 2018	DATE RECEIVED: Oct 16, 2018	DATE REPORTED: Nov 02, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E5722824 (9628268)		91
E5722842 (9628286)		90
E5722853 (9628297)		93
E5722862 (9628306)		94

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9628267	< 1	2		9628278	< 1	< 1	0.0%	9628291	< 1	< 1	0.0%	9628292	< 1	< 1	0.0%
Al	9628267	7.86	7.87	0.1%	9628278	7.13	6.66	6.8%	9628291	8.10	7.92	2.2%	9628292	8.09	8.22	1.6%
As	9628267	55	52	5.6%	9628278	9	8	11.8%	9628291	146	149	2.0%	9628292	66	63	4.7%
B	9628267	39	36	8.0%	9628278	21	18	15.4%	9628291	< 20	< 20	0.0%	9628292	< 20	< 20	0.0%
Ba	9628267	265	268	1.1%	9628278	176	182	3.4%	9628291	217	211	2.8%	9628292	290	281	3.2%
Be	9628267	< 5	< 5	0.0%	9628278	< 5	< 5	0.0%	9628291	< 5	< 5	0.0%	9628292	< 5	< 5	0.0%
Bi	9628267	4.57	5.95	26.2%	9628278	0.42	0.46	9.1%	9628291	1.0	0.9	10.5%	9628292	1.2	1.1	8.7%
Ca	9628267	7.57	6.91	9.1%	9628278	6.63	6.19	6.9%	9628291	4.78	4.56	4.7%	9628292	5.94	5.93	0.2%
Cd	9628267	2.59	2.77	6.7%	9628278	< 0.2	< 0.2	0.0%	9628291	< 0.2	< 0.2	0.0%	9628292	< 0.2	< 0.2	0.0%
Ce	9628267	13.3	13.4	0.7%	9628278	22.6	22.4	0.9%	9628291	26.3	26.3	0.0%	9628292	21.5	22.1	2.8%
Co	9628267	48.6	47.4	2.5%	9628278	44.1	41.3	6.6%	9628291	51.6	48.5	6.2%	9628292	45.4	47.2	3.9%
Cr	9628267	0.0260	0.0254	2.3%	9628278	0.012	0.012	0.0%	9628291	0.0207	0.0200	3.4%	9628292	0.020	0.020	0.0%
Cs	9628267	1.1	1.2	8.7%	9628278	6.50	6.45	0.8%	9628291	4.80	4.71	1.9%	9628292	3.4	3.5	2.9%
Cu	9628267	342	374	8.9%	9628278	105	110	4.7%	9628291	182	174	4.5%	9628292	198	191	3.6%
Dy	9628267	3.86	3.79	1.8%	9628278	5.20	4.98	4.3%	9628291	5.41	5.29	2.2%	9628292	5.80	5.53	4.8%
Er	9628267	2.41	2.47	2.5%	9628278	3.30	3.17	4.0%	9628291	3.32	3.33	0.3%	9628292	3.58	3.63	1.4%
Eu	9628267	1.21	1.28	5.6%	9628278	1.20	1.19	0.8%	9628291	1.33	1.33	0.0%	9628292	1.38	1.44	4.3%
Fe	9628267	8.58	8.57	0.1%	9628278	12.6	11.7	7.4%	9628291	9.46	9.10	3.9%	9628292	8.81	8.75	0.7%
Ga	9628267	19.3	19.2	0.5%	9628278	19.5	18.8	3.7%	9628291	20.2	19.1	5.6%	9628292	20.2	21.2	4.8%
Gd	9628267	3.49	3.60	3.1%	9628278	4.59	4.69	2.2%	9628291	5.06	5.03	0.6%	9628292	5.32	5.41	1.7%
Ge	9628267	1	2		9628278	2	2	0.0%	9628291	2	2	0.0%	9628292	2	2	0.0%
Hf	9628267	2	2	0.0%	9628278	3	3	0.0%	9628291	3	3	0.0%	9628292	3	3	0.0%
Ho	9628267	0.82	0.85	3.6%	9628278	1.14	1.07	6.3%	9628291	1.13	1.16	2.6%	9628292	1.26	1.25	0.8%
In	9628267	< 0.2	< 0.2	0.0%	9628278	< 0.2	< 0.2	0.0%	9628291	< 0.2	< 0.2	0.0%	9628292	< 0.2	< 0.2	0.0%
K	9628267	1.20	1.19	0.8%	9628278	1.20	1.13	6.0%	9628291	1.10	1.04	5.6%	9628292	1.30	1.25	3.9%
La	9628267	5.72	5.85	2.2%	9628278	9.63	9.76	1.3%	9628291	11.6	11.6	0.0%	9628292	9.2	9.4	2.2%
Li	9628267	20	17	16.2%	9628278	28	27	3.6%	9628291	27	28	3.6%	9628292	25	22	12.8%
Lu	9628267	0.40	0.44	9.5%	9628278	0.54	0.55	1.8%	9628291	0.541	0.556	2.7%	9628292	0.58	0.58	0.0%
Mg	9628267	2.62	2.60	0.8%	9628278	3.10	3.20	3.2%	9628291	3.12	3.06	1.9%	9628292	2.89	2.87	0.7%
Mn	9628267	1940	1970	1.5%	9628278	2580	2410	6.8%	9628291	1750	1710	2.3%	9628292	1890	1890	0.0%
Mo	9628267	6	6	0.0%	9628278	4	4	0.0%	9628291	< 2	< 2	0.0%	9628292	2	2	0.0%



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA JASON RICKARD

Nb	9628267	2	2	0.0%	9628278	5	5	0.0%	9628291	5	5	0.0%	9628292	5	5	0.0%
Nd	9628267	8.65	9.23	6.5%	9628278	14.1	14.2	0.7%	9628291	15.7	15.9	1.3%	9628292	14.5	14.9	2.7%
Ni	9628267	133	132	0.8%	9628278	58	59	1.7%	9628291	73	68	7.1%	9628292	73	75	2.7%
P	9628267	0.03	0.03	0.0%	9628278	0.07	0.07	0.0%	9628291	0.08	0.08	0.0%	9628292	0.08	0.08	0.0%
Pb	9628267	234	286	20.0%	9628278	14	14	0.0%	9628291	6	7	15.4%	9628292	10	10	0.0%
Pr	9628267	1.98	1.92	3.1%	9628278	3.18	3.12	1.9%	9628291	3.54	3.53	0.3%	9628292	3.09	3.14	1.6%
Rb	9628267	60.7	62.2	2.4%	9628278	89.8	88.1	1.9%	9628291	74.0	71.7	3.2%	9628292	66.8	67.6	1.2%
S	9628267	0.561	0.514	8.7%	9628278	0.409	0.438	6.8%	9628291	0.06	0.06	0.0%	9628292	0.32	0.34	6.1%
Sb	9628267	0.96	0.92	4.3%	9628278	1.1	1.1	0.0%	9628291	2.2	2.1	4.7%	9628292	2.0	2.0	0.0%
Sc	9628267	47	45	4.3%	9628278	35	36	2.8%	9628291	41	41	0.0%	9628292	43	44	2.3%
Si	9628267	23.2	23.1	0.4%	9628278	22.4	20.7	7.9%	9628291	25.4	24.4	4.0%	9628292	24.1	24.2	0.4%
Sm	9628267	2.54	2.63	3.5%	9628278	3.52	3.75	6.3%	9628291	3.9	3.9	0.0%	9628292	4.0	4.1	2.5%
Sn	9628267	4	5	22.2%	9628278	4	5	22.2%	9628291	6	5	18.2%	9628292	4	4	0.0%
Sr	9628267	157	153	2.6%	9628278	131	122	7.1%	9628291	105	101	3.9%	9628292	137	137	0.0%
Ta	9628267	< 0.5	< 0.5	0.0%	9628278	< 0.5	< 0.5	0.0%	9628291	< 0.5	< 0.5	0.0%	9628292	< 0.5	< 0.5	0.0%
Tb	9628267	0.58	0.60	3.4%	9628278	0.807	0.780	3.4%	9628291	0.83	0.89	7.0%	9628292	0.89	0.90	1.1%
Th	9628267	0.61	0.55	10.3%	9628278	1.1	1.1	0.0%	9628291	0.9	0.8	11.8%	9628292	0.8	0.8	0.0%
Ti	9628267	0.54	0.54	0.0%	9628278	0.817	0.761	7.1%	9628291	1.02	1.01	1.0%	9628292	1.05	1.06	0.9%
Tl	9628267	< 0.5	< 0.5	0.0%	9628278	0.8	0.8	0.0%	9628291	< 0.5	< 0.5	0.0%	9628292	< 0.5	< 0.5	0.0%
Tm	9628267	0.366	0.365	0.3%	9628278	0.47	0.49	4.2%	9628291	0.48	0.48	0.0%	9628292	0.54	0.53	1.9%
U	9628267	0.256	0.240	6.5%	9628278	0.35	0.36	2.8%	9628291	0.403	0.418	3.7%	9628292	0.459	0.466	1.5%
V	9628267	312	324	3.8%	9628278	330	315	4.7%	9628291	358	359	0.3%	9628292	401	390	2.8%
W	9628267	2	2	0.0%	9628278	2	2	0.0%	9628291	4	4	0.0%	9628292	3	3	0.0%
Y	9628267	23.9	23.7	0.8%	9628278	32.7	31.1	5.0%	9628291	33.2	32.0	3.7%	9628292	34.0	35.6	4.6%
Yb	9628267	2.4	2.4	0.0%	9628278	3.1	3.1	0.0%	9628291	3.2	3.2	0.0%	9628292	3.4	3.4	0.0%
Zn	9628267	769	725	5.9%	9628278	108	102	5.7%	9628291	91	85	6.8%	9628292	96	94	2.1%
Zr	9628267	61.8	62.1	0.5%	9628278	119	115	3.4%	9628291	114	108	5.4%	9628292	112	117	4.4%

Parameter	REPLICATE #5				REPLICATE #6											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9628302	< 1	< 1	0.0%	9628314	1	1	0.0%								
Al	9628302	7.94	7.86	1.0%	9628314	8.36	8.31	0.6%								
As	9628302	11	14	24.0%	9628314	9	8	11.8%								
B	9628302	< 20	< 20	0.0%	9628314	24	23	4.3%								
Ba	9628302	771	765	0.8%	9628314	232	238	2.6%								



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Be	9628302	< 5	< 5	0.0%	9628314	< 5	< 5	0.0%									
Bi	9628302	< 0.1	0.1		9628314	0.2	0.2	0.0%									
Ca	9628302	2.81	2.85	1.4%	9628314	7.28	7.45	2.3%									
Cd	9628302	< 0.2	< 0.2	0.0%	9628314	< 0.2	< 0.2	0.0%									
Ce	9628302	24.5	23.4	4.6%	9628314	15.8	16.4	3.7%									
Co	9628302	18.8	18.0	4.3%	9628314	52.1	50.3	3.5%									
Cr	9628302	0.022	0.022	0.0%	9628314	0.019	0.019	0.0%									
Cs	9628302	0.4	0.4	0.0%	9628314	1.3	1.3	0.0%									
Cu	9628302	157	156	0.6%	9628314	162	168	3.6%									
Dy	9628302	1.77	1.85	4.4%	9628314	4.32	4.71	8.6%									
Er	9628302	1.06	0.99	6.8%	9628314	2.91	3.05	4.7%									
Eu	9628302	0.949	0.875	8.1%	9628314	1.00	1.02	2.0%									
Fe	9628302	3.69	3.69	0.0%	9628314	10.2	10.4	1.9%									
Ga	9628302	19.9	19.5	2.0%	9628314	19.4	19.7	1.5%									
Gd	9628302	2.76	2.67	3.3%	9628314	3.90	3.99	2.3%									
Ge	9628302	1	1	0.0%	9628314	2	2	0.0%									
Hf	9628302	3	3	0.0%	9628314	3	3	0.0%									
Ho	9628302	0.358	0.352	1.7%	9628314	0.981	0.998	1.7%									
In	9628302	< 0.2	< 0.2	0.0%	9628314	< 0.2	< 0.2	0.0%									
K	9628302	1.28	1.29	0.8%	9628314	0.76	0.77	1.3%									
La	9628302	11.1	10.6	4.6%	9628314	6.57	6.76	2.9%									
Li	9628302	12	10	18.2%	9628314	20	16	22.2%									
Lu	9628302	0.17	0.17	0.0%	9628314	0.51	0.51	0.0%									
Mg	9628302	2.17	2.09	3.8%	9628314	2.71	2.68	1.1%									
Mn	9628302	838	839	0.1%	9628314	2200	2190	0.5%									
Mo	9628302	5	5	0.0%	9628314	4	4	0.0%									
Nb	9628302	3	2		9628314	4	4	0.0%									
Nd	9628302	12.9	12.4	4.0%	9628314	10.9	11.2	2.7%									
Ni	9628302	61	62	1.6%	9628314	72	76	5.4%									
P	9628302	0.066	0.064	3.1%	9628314	0.054	0.057	5.4%									
Pb	9628302	8	8	0.0%	9628314	6	6	0.0%									
Pr	9628302	3.19	3.06	4.2%	9628314	2.30	2.35	2.2%									
Rb	9628302	37.3	36.2	3.0%	9628314	34.4	33.9	1.5%									
S	9628302	0.108	0.101	6.7%	9628314	1.03	1.04	1.0%									



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Sb	9628302	1.2	1.2	0.0%	9628314	1.5	1.6	6.5%								
Sc	9628302	13	13	0.0%	9628314	44	45	2.2%								
Si	9628302	29.5	30.0	1.7%	9628314	23.6	24.2	2.5%								
Sm	9628302	2.8	2.8	0.0%	9628314	3.28	3.13	4.7%								
Sn	9628302	4	2		9628314	2	3									
Sr	9628302	326	332	1.8%	9628314	155	158	1.9%								
Ta	9628302	< 0.5	< 0.5	0.0%	9628314	< 0.5	< 0.5	0.0%								
Tb	9628302	0.376	0.338	10.6%	9628314	0.70	0.72	2.8%								
Th	9628302	2.1	2.0	4.9%	9628314	0.7	0.7	0.0%								
Ti	9628302	0.28	0.28	0.0%	9628314	0.76	0.76	0.0%								
Tl	9628302	< 0.5	< 0.5	0.0%	9628314	< 0.5	< 0.5	0.0%								
Tm	9628302	0.15	0.15	0.0%	9628314	0.46	0.43	6.7%								
U	9628302	1.14	1.09	4.5%	9628314	0.20	0.20	0.0%								
V	9628302	113	106	6.4%	9628314	328	321	2.2%								
W	9628302	< 1	< 1	0.0%	9628314	2	3									
Y	9628302	11.2	11.1	0.9%	9628314	28.1	28.7	2.1%								
Yb	9628302	0.97	0.95	2.1%	9628314	2.9	2.9	0.0%								
Zn	9628302	57	58	1.7%	9628314	96	95	1.0%								
Zr	9628302	93.9	91.1	3.0%	9628314	95.7	94.4	1.4%								

(201-998) 3 Acid Digest - Ag, ICP-OES finish

Parameter	REPLICATE #1				RPD											
	Sample ID	Original	Replicate	RPD												
Ag	9628308	143	158	10.0%												



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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	11.26	103%	90% - 110%	8.47	9.08	107%	90% - 110%								
As					26	26	99%	90% - 110%	25	27	107%	90% - 110%				
Ba	340	326	96%	90% - 110%	540	516	96%	90% - 110%								
Be	2.6	3	114%	90% - 110%	4.0	3.5	88%	90% - 110%								
Ca	5.72	6.03	105%	90% - 110%	0.907	0.963	106%	90% - 110%								
Ce	122	121	100%	90% - 110%	98	102	104%	90% - 110%								
Co	2.8	2.7	95%	90% - 110%	15	14	95%	90% - 110%	1202	1254	104%	90% - 110%				
Cs	1.5	1.5	102%	90% - 110%												
Cu					150	153	102%	90% - 110%	15414	14395	93%	90% - 110%				
Dy	18.2	17.6	97%	90% - 110%												
Er	14.2	13.7	97%	90% - 110%	3.7	3.6	96%	90% - 110%								
Eu	2.0	1.8	91%	90% - 110%	1.0	1.1	110%	90% - 110%								
Fe	4.34	4.32	100%	90% - 110%	3.77	3.97	105%	90% - 110%								
Ga	35	37	106%	90% - 110%												
Gd	14	14	98%	90% - 110%												
Hf	10.6	10.8	102%	90% - 110%	11	10	88%	90% - 110%								
Ho	4.3	4.3	99%	90% - 110%												
K	1.37	1.44	105%	90% - 110%	2.55	2.63	103%	90% - 110%								
La	58	58	101%	90% - 110%	44	46	105%	90% - 110%								
Li	37	39	106%	90% - 110%	47	50	106%	90% - 110%								
Lu	2.1	2.2	105%	90% - 110%	0.6	0.6	94%	90% - 110%								
Mg	0.325	0.32	98%	90% - 110%	1.1	1.1	103%	90% - 110%								
Mn	836	812	97%	90% - 110%	780	790	101%	90% - 110%								
Mo					14	13	94%	90% - 110%								
Nb	13	14	106%	90% - 110%	20	18	90%	90% - 110%								
Nd	57	57	100%	90% - 110%												
Ni	9	9	106%	90% - 110%	32	39	122%	90% - 110%	23610	22176	94%	90% - 110%				
Pb	10	10	103%	90% - 110%	31	33	105%	90% - 110%	41	44	107%	90% - 110%				
Pr	15.0	15.1	100%	90% - 110%												
Rb	55	58	105%	90% - 110%	144	147	102%	90% - 110%								
Sb					0.8	0.8	105%	90% - 110%								



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Sc					12	12	101%	90% - 110%								
Si	23.3	23.4	100%	90% - 110%	28.4	30.2	106%	90% - 110%								
Sm	12.7	11.6	91%	90% - 110%	7.4	7.4	100%	90% - 110%								
Sn	7.1	7.9	111%	90% - 110%												
Sr	1191	1193	100%	90% - 110%	144	159	110%	90% - 110%								
Ta	0.9	0.9	103%	90% - 110%	1.9	1.8	97%	90% - 110%								
Tb	2.6	2.6	100%	90% - 110%	1.2	1.1	93%	90% - 110%								
Th	1.4	1.1	80%	90% - 110%	18.4	18.4	100%	90% - 110%								
Ti	0.172	0.165	96%	90% - 110%	0.527	0.518	98%	90% - 110%								
Tm	2.3	2.2	97%	90% - 110%												
U	0.8	0.8	100%	90% - 110%	5.7	5.3	93%	90% - 110%								
V	8	6	74%	90% - 110%	77	78	102%	90% - 110%								
W					5	5	101%	90% - 110%								
Y	119	121	101%	90% - 110%	40	37	91%	90% - 110%								
Yb	14.8	13.7	92%	90% - 110%												
Zn	93	91	98%	90% - 110%	130	130	100%	90% - 110%	90	87	96%	90% - 110%				
Zr	517	562	108%	90% - 110%	390	386	99%	90% - 110%								

(201-998) 3 Acid Digest - Ag, ICP-OES finish

Parameter	CRM #1 (ref.ME-1206)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)								
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits					
Ag	274	259	95%	90% - 110%													



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-224A
 SAMPLING SITE:

AGAT WORK ORDER: 18B397836
 ATTENTION TO: FRANK SANTAGUIDA JASON
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP

AGAT WORK ORDER: 18B397836

PROJECT: DDH-224A

ATTENTION TO: FRANK SANTAGUIDA JASON

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Ag	MIN-200-12002/12020		ICP/OES
Pass %			BALANCE



CLIENT NAME: FIRST COBALT CORP
488-1090 W GEORGIA
VANCOUVER, BC V6E 3V7
604-687-7130

ATTENTION TO: FRANK SANTAGUIDA

PROJECT: DDH-224B

AGAT WORK ORDER: 18B401453

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Nov 22, 2018

PAGES (INCLUDING COVER): 21

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
E5722871 (9650799)		2.24
E5722872 (9650800)		1.70
E5722873 (9650801)		2.50
E5722874 (9650802)		2.35
E5722875 (9650803)		1.65
E5722876 (9650804)		2.26
E5722877 (9650805)		0.84
E5722878 (9650806)		1.67
E5722879 (9650807)		2.22
E5722880 (9650808)		2.22
E5722881 (9650809)		1.75
E5722882 (9650810)		1.58
E5722883 (9650811)		0.86
E5722884 (9650812)		1.92
E5722885 (9650813)		2.43
E5722886 (9650814)		0.01
E5722887 (9650815)		2.20
E5722888 (9650816)		2.10
E5722889 (9650817)		1.48
E5722890 (9650818)		1.16
E5722891 (9650819)		1.00
E5722892 (9650820)		1.62
E5722893 (9650821)		0.79
E5722894 (9650822)		1.09
E5722895 (9650823)		0.80
E5722896 (9650824)		0.56
E5722897 (9650825)		0.61
E5722898 (9650826)		1.37
E5722899 (9650827)		0.61
E5722900 (9650828)		1.80
E5722901 (9650829)		1.97

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(200-) Sample Login Weight

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 22, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
E5722902 (9650830)		2.27
E5722903 (9650831)		0.85
E5722904 (9650832)		0.74
E5722905 (9650833)		1.30
E5722906 (9650834)		0.01
E5722907 (9650835)		1.42
E5722908 (9650836)		1.98
E5722909 (9650837)		1.69
E5722910 (9650838)		1.47
E5722911 (9650839)		0.92
E5722912 (9650840)		1.56
E5722913 (9650841)		2.33
E5722914 (9650842)		2.08
E5722915 (9650843)		2.40

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E5722871 (9650799)	<1	7.16	11	29	221	<5	0.1	7.63	<0.2	17.9	52.2	0.018	1.6	145
E5722872 (9650800)	<1	0.18	<5	<20	31.0	<5	<0.1	34.9	<0.2	1.0	0.8	<0.005	<0.1	<5
E5722873 (9650801)	<1	7.25	20	27	629	<5	0.2	5.69	<0.2	50.1	49.5	0.043	0.7	53
E5722874 (9650802)	<1	5.81	25	<20	356	<5	0.1	5.30	<0.2	79.3	44.2	0.041	0.5	30
E5722875 (9650803)	<1	5.81	35	<20	244	<5	0.1	5.11	<0.2	79.9	47.1	0.045	0.6	23
E5722876 (9650804)	<1	6.73	287	<20	223	<5	0.7	3.25	<0.2	58.5	187	0.053	0.7	18
E5722877 (9650805)	<1	6.95	309	<20	797	<5	0.8	3.23	<0.2	28.4	194	0.065	0.7	19
E5722878 (9650806)	<1	7.37	209	<20	231	<5	1.3	5.44	<0.2	19.4	107	0.064	1.0	101
E5722879 (9650807)	<1	8.77	38	<20	457	<5	0.2	5.34	<0.2	13.4	55.2	0.030	0.9	74
E5722880 (9650808)	<1	8.75	38	24	445	<5	0.1	5.10	<0.2	12.6	56.8	0.029	0.9	71
E5722881 (9650809)	<1	8.71	24	30	311	<5	0.1	6.54	<0.2	14.5	65.6	0.031	0.9	105
E5722882 (9650810)	<1	7.67	7	27	897	<5	<0.1	4.27	<0.2	74.6	44.0	0.025	0.6	59
E5722883 (9650811)	<1	8.65	16	43	406	<5	0.1	7.16	<0.2	17.2	57.8	0.029	1.0	234
E5722884 (9650812)	<1	8.84	35	41	369	<5	0.2	5.84	<0.2	11.9	58.7	0.031	1.1	146
E5722885 (9650813)	<1	8.31	72	31	372	<5	0.6	7.74	<0.2	14.6	52.7	0.028	0.9	180
E5722886 (9650814)	<1	4.58	540	130	170	<5	8.0	4.07	<0.2	75.0	987	0.006	2.9	2970
E5722887 (9650815)	<1	8.53	84	24	304	<5	0.7	6.33	<0.2	18.2	98.9	0.032	1.1	161
E5722888 (9650816)	<1	8.54	57	22	377	<5	0.2	5.67	<0.2	34.4	53.8	0.033	1.1	75
E5722889 (9650817)	<1	8.30	48	22	329	<5	0.7	7.59	<0.2	12.5	68.5	0.029	1.4	221
E5722890 (9650818)	<1	7.94	353	26	590	<5	1.9	4.45	<0.2	36.5	92.3	0.027	3.9	210
E5722891 (9650819)	<1	6.57	2590	<20	132	<5	2.1	7.03	<0.2	243	916	0.041	1.2	128
E5722892 (9650820)	<1	0.06	<5	<20	18.6	<5	<0.1	35.8	<0.2	1.0	1.2	<0.005	<0.1	<5
E5722893 (9650821)	<1	5.89	3110	<20	68.9	<5	1.9	10.9	<0.2	279	675	0.039	1.3	116
E5722894 (9650822)	<1	6.32	217	<20	174	<5	0.6	6.25	<0.2	123	69.0	0.060	1.1	125
E5722895 (9650823)	<1	6.48	99	<20	227	<5	0.2	4.66	<0.2	146	53.5	0.048	2.6	36
E5722896 (9650824)	<1	5.82	73	<20	233	<5	0.3	5.96	<0.2	61.2	89.6	0.068	4.1	47
E5722897 (9650825)	<1	5.79	73	<20	154	<5	0.3	7.43	<0.2	50.1	50.1	0.060	3.0	161
E5722898 (9650826)	<1	7.90	133	23	526	<5	1.0	6.83	<0.2	45.8	78.0	0.032	3.9	221
E5722899 (9650827)	<1	8.11	165	31	539	<5	1.1	6.97	<0.2	46.4	89.4	0.032	3.5	245
E5722900 (9650828)	<1	8.72	35	39	314	<5	0.9	5.81	<0.2	19.4	63.8	0.028	2.8	217
E5722901 (9650829)	<1	9.42	14	36	280	<5	0.2	5.19	<0.2	16.7	58.3	0.031	2.3	111
E5722902 (9650830)	<1	9.10	146	33	311	<5	0.6	7.48	<0.2	19.4	75.1	0.028	1.7	238

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
E5722903 (9650831)	1	9.05	7620	23	226	<5	75.4	7.76	<0.2	30.2	1110	0.030	2.2	138	
E5722904 (9650832)	3	8.69	84	27	267	<5	2.8	6.57	<0.2	13.4	106	0.026	5.1	356	
E5722905 (9650833)	<1	7.98	56	<20	927	<5	0.9	2.94	<0.2	23.9	18.6	0.016	0.5	33	
E5722906 (9650834)	<1	4.61	560	134	180	<5	8.1	4.43	<0.2	79.8	1020	0.006	2.9	2980	
E5722907 (9650835)	<1	7.54	9	<20	907	<5	0.2	2.54	<0.2	24.0	15.1	0.013	0.5	22	
E5722908 (9650836)	<1	7.53	10	<20	945	<5	0.1	2.55	<0.2	24.7	15.4	0.014	0.4	22	
E5722909 (9650837)	<1	8.23	20	<20	246	<5	0.4	6.73	<0.2	14.8	51.1	0.029	1.5	107	
E5722910 (9650838)	<1	7.83	18	21	217	<5	0.3	8.87	0.2	12.2	54.6	0.034	2.0	182	
E5722911 (9650839)	<1	7.52	<5	<20	919	<5	<0.1	2.69	<0.2	24.0	14.5	0.015	0.4	15	
E5722912 (9650840)	<1	0.05	<5	<20	17.9	<5	<0.1	37.1	<0.2	0.8	1.0	<0.005	<0.1	<5	
E5722913 (9650841)	<1	7.47	<5	20	919	<5	<0.1	2.69	<0.2	26.1	14.2	0.014	0.4	12	
E5722914 (9650842)	<1	7.69	<5	<20	863	<5	<0.1	2.68	<0.2	23.7	14.2	0.015	0.3	13	
E5722915 (9650843)	<1	7.65	<5	<20	875	<5	<0.1	2.72	<0.2	24.1	14.7	0.015	0.4	14	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E5722871 (9650799)	5.32	3.22	1.16	10.6	19.2	4.58	2	3	1.14	<0.2	0.64	7.1	19	0.50
E5722872 (9650800)	0.26	0.18	<0.05	0.09	0.60	0.28	1	<1	0.07	<0.2	0.07	1.1	<10	<0.05
E5722873 (9650801)	4.10	2.27	1.67	7.03	18.4	5.30	2	3	0.81	<0.2	1.14	21.7	24	0.30
E5722874 (9650802)	4.49	2.10	2.46	8.24	17.4	7.83	2	4	0.85	<0.2	0.67	34.2	30	0.24
E5722875 (9650803)	4.58	2.21	2.29	8.27	17.0	8.00	2	4	0.86	<0.2	0.50	34.0	31	0.26
E5722876 (9650804)	4.83	2.08	1.70	8.02	18.6	7.16	1	4	0.85	<0.2	1.00	23.7	38	0.25
E5722877 (9650805)	3.42	1.58	1.04	5.10	16.7	4.75	1	3	0.61	<0.2	2.41	12.2	19	0.18
E5722878 (9650806)	3.78	2.18	1.28	9.78	20.6	3.80	2	2	0.80	<0.2	0.65	8.9	27	0.34
E5722879 (9650807)	3.68	2.21	1.03	6.11	18.7	3.30	1	2	0.79	<0.2	1.17	5.5	16	0.32
E5722880 (9650808)	3.70	2.24	0.97	6.01	19.5	3.38	1	2	0.82	<0.2	1.16	5.1	19	0.31
E5722881 (9650809)	3.91	2.42	0.98	7.04	19.7	3.54	1	2	0.82	<0.2	1.07	6.0	13	0.36
E5722882 (9650810)	4.30	2.57	1.96	5.41	18.3	6.00	1	4	0.85	<0.2	1.04	35.6	17	0.38
E5722883 (9650811)	4.13	2.66	1.00	7.78	19.0	3.47	1	2	0.93	<0.2	1.30	8.0	17	0.40
E5722884 (9650812)	3.79	2.41	0.96	7.06	18.5	3.18	1	2	0.82	<0.2	1.24	4.8	17	0.35
E5722885 (9650813)	4.04	2.58	1.27	9.59	18.3	3.44	2	2	0.93	<0.2	1.24	6.4	13	0.42
E5722886 (9650814)	3.27	1.98	1.07	3.29	12.2	4.58	1	5	0.75	0.3	3.32	36.3	10	0.37
E5722887 (9650815)	4.18	2.68	1.36	7.09	19.1	3.77	2	2	0.91	<0.2	1.11	7.4	14	0.37
E5722888 (9650816)	3.66	2.28	1.25	6.54	19.6	3.99	1	2	0.80	<0.2	1.01	15.9	15	0.32
E5722889 (9650817)	3.87	2.42	1.12	9.56	19.1	3.30	1	2	0.90	<0.2	0.96	5.3	16	0.42
E5722890 (9650818)	4.56	2.65	1.68	8.35	18.6	4.67	2	2	0.93	<0.2	1.60	17.5	37	0.35
E5722891 (9650819)	6.26	2.59	2.37	6.42	18.4	15.0	2	4	1.07	0.3	0.74	97.0	32	0.29
E5722892 (9650820)	0.22	0.14	<0.05	0.09	0.22	0.21	1	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E5722893 (9650821)	9.10	3.72	2.54	5.60	15.7	18.9	2	3	1.55	0.4	0.46	114	28	0.46
E5722894 (9650822)	5.66	2.53	2.07	7.66	16.6	9.67	2	3	0.96	0.2	0.72	57.0	37	0.34
E5722895 (9650823)	4.55	2.17	2.63	7.25	17.7	8.98	2	3	0.86	<0.2	0.51	69.6	34	0.27
E5722896 (9650824)	4.45	2.11	2.13	8.02	16.1	6.88	2	3	0.83	<0.2	0.65	27.4	36	0.26
E5722897 (9650825)	3.73	1.85	1.62	7.55	17.3	6.57	2	3	0.71	0.3	0.52	21.7	34	0.27
E5722898 (9650826)	5.17	2.96	1.40	8.56	19.6	5.90	1	2	1.05	0.2	1.34	22.1	26	0.41
E5722899 (9650827)	5.14	2.98	1.39	8.98	19.0	5.78	2	2	1.06	0.2	1.27	20.8	25	0.41
E5722900 (9650828)	4.45	2.83	1.20	8.23	19.2	4.07	1	2	0.98	<0.2	1.26	8.4	29	0.42
E5722901 (9650829)	3.81	2.29	0.92	5.59	19.4	3.34	1	2	0.79	<0.2	1.23	7.1	27	0.30
E5722902 (9650830)	4.83	2.98	0.99	7.84	20.2	4.44	1	2	1.03	<0.2	1.01	8.3	20	0.43

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
E5722903 (9650831)		5.31	2.99	1.66	7.60	20.0	5.72	1	2	1.10	0.2	0.88	13.3	23	0.41
E5722904 (9650832)		4.34	2.85	0.99	12.5	20.0	3.64	2	2	0.97	<0.2	1.15	5.4	27	0.48
E5722905 (9650833)		1.86	1.04	0.96	3.66	21.0	2.54	1	3	0.38	<0.2	2.37	10.9	<10	0.15
E5722906 (9650834)		3.45	2.08	1.06	3.38	12.7	4.82	2	5	0.71	0.3	3.37	38.6	13	0.31
E5722907 (9650835)		1.71	0.93	0.92	3.29	21.4	2.35	1	3	0.34	<0.2	2.41	10.9	<10	0.12
E5722908 (9650836)		1.66	0.92	0.92	3.18	21.7	2.49	1	3	0.36	<0.2	2.35	11.3	<10	0.13
E5722909 (9650837)		3.82	2.39	0.79	7.60	20.7	3.23	1	2	0.83	<0.2	0.69	6.3	11	0.37
E5722910 (9650838)		3.70	2.60	1.19	8.92	19.1	3.19	2	2	0.87	<0.2	0.61	5.2	18	0.40
E5722911 (9650839)		1.84	0.97	0.96	3.11	21.5	2.50	1	3	0.34	<0.2	2.40	11.1	<10	0.14
E5722912 (9650840)		0.20	0.14	0.10	0.07	0.36	0.19	2	<1	<0.05	<0.2	<0.05	1.1	<10	<0.05
E5722913 (9650841)		1.81	0.90	0.98	2.93	20.7	2.50	1	3	0.35	<0.2	2.58	12.1	<10	0.14
E5722914 (9650842)		1.64	0.91	0.95	3.14	20.8	2.38	1	3	0.35	<0.2	2.43	11.0	<10	0.13
E5722915 (9650843)		1.71	0.94	1.00	3.15	21.4	2.56	1	3	0.34	<0.2	2.40	11.1	<10	0.14

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722871 (9650799)	2.55	2190	12	4	12.2	72	0.05	<5	2.64	30.9	1.09	1.3	39	23.3	
E5722872 (9650800)	0.96	12	<2	<1	0.8	6	<0.01	<5	0.20	2.3	<0.01	<0.1	<5	5.07	
E5722873 (9650801)	4.08	1450	4	4	26.7	214	0.14	<5	6.38	38.3	0.16	1.2	28	24.8	
E5722874 (9650802)	6.09	1550	<2	7	43.3	278	0.27	<5	10.7	18.3	<0.01	1.0	19	24.1	
E5722875 (9650803)	6.08	1530	2	7	43.7	293	0.26	<5	10.4	14.2	0.03	0.9	19	23.8	
E5722876 (9650804)	4.92	1490	4	5	33.1	272	0.22	<5	7.82	27.7	0.09	1.5	18	24.9	
E5722877 (9650805)	2.57	1020	4	2	17.8	169	0.08	9	4.00	60.5	0.25	2.1	14	27.1	
E5722878 (9650806)	4.77	2030	8	2	11.6	331	0.06	15	2.65	22.6	0.62	2.1	41	21.9	
E5722879 (9650807)	2.06	1610	5	3	9.0	137	0.04	7	1.91	47.8	0.18	1.4	38	25.9	
E5722880 (9650808)	2.00	1590	4	3	8.7	135	0.04	7	1.81	49.2	0.18	1.5	37	25.6	
E5722881 (9650809)	1.99	1900	5	3	9.5	151	0.04	11	1.95	50.9	0.25	2.0	40	24.6	
E5722882 (9650810)	2.70	990	3	5	34.4	62	0.17	7	9.09	29.3	0.05	1.2	17	26.6	
E5722883 (9650811)	1.87	1840	5	3	10.3	144	0.04	15	2.29	56.0	0.39	3.9	43	24.2	
E5722884 (9650812)	1.72	1860	5	3	8.5	145	0.04	20	1.77	54.7	0.38	3.7	41	25.0	
E5722885 (9650813)	2.03	2020	4	3	9.4	140	0.04	27	2.01	41.9	0.39	5.6	40	23.3	
E5722886 (9650814)	2.57	452	11	8	31.5	174	0.07	13	8.66	108	1.62	1.6	7	27.2	
E5722887 (9650815)	1.88	1610	6	3	11.2	142	0.04	65	2.41	42.0	0.28	5.9	42	24.7	
E5722888 (9650816)	2.33	1570	5	3	17.5	160	0.06	45	4.32	41.7	0.24	5.5	35	25.4	
E5722889 (9650817)	2.12	1790	5	2	8.5	156	0.04	11	1.82	39.0	0.90	8.2	42	23.0	
E5722890 (9650818)	3.06	1420	3	3	18.2	148	0.05	7	4.50	71.8	0.68	6.4	39	23.9	
E5722891 (9650819)	3.31	1600	3	5	114	219	0.20	18	30.2	15.4	0.10	5.7	17	22.2	
E5722892 (9650820)	1.47	17	<2	<1	0.8	6	<0.01	<5	0.19	0.5	<0.01	<0.1	<5	4.49	
E5722893 (9650821)	2.76	3010	5	4	129	163	0.18	34	34.3	10.7	0.12	7.7	19	19.7	
E5722894 (9650822)	4.22	1650	<2	4	59.3	155	0.23	32	15.0	14.7	<0.01	4.1	23	22.3	
E5722895 (9650823)	5.48	1270	<2	5	65.1	198	0.21	13	17.6	30.5	<0.01	5.8	19	23.6	
E5722896 (9650824)	6.05	1570	<2	3	33.0	185	0.19	56	7.88	40.4	<0.01	4.6	24	23.0	
E5722897 (9650825)	3.82	2050	<2	4	30.8	140	0.20	52	7.05	21.0	<0.01	4.1	23	21.5	
E5722898 (9650826)	3.10	2000	4	3	23.9	142	0.05	102	5.69	66.0	0.35	4.6	41	22.1	
E5722899 (9650827)	3.08	2070	3	3	22.0	145	0.05	90	5.62	58.7	0.46	4.4	43	22.5	
E5722900 (9650828)	2.31	1810	3	3	11.5	148	0.04	7	2.55	53.3	0.42	2.7	45	24.0	
E5722901 (9650829)	1.96	1380	5	3	10.0	150	0.05	5	2.24	47.6	0.20	1.4	37	27.6	
E5722902 (9650830)	2.58	2030	4	3	12.3	143	0.04	5	2.69	38.3	0.34	3.1	45	24.8	

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AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
E5722903 (9650831)	2.62	2000	8	3	17.9	176	0.04	7	4.01	40.6	0.25	14.3	45	24.5	
E5722904 (9650832)	2.46	2110	4	3	9.1	171	0.04	18	1.94	69.4	2.65	6.0	46	22.5	
E5722905 (9650833)	1.48	720	4	2	12.1	49	0.05	8	3.07	52.5	0.08	0.8	13	32.2	
E5722906 (9650834)	2.58	458	12	8	33.4	188	0.07	12	9.14	115	1.68	1.7	7	28.6	
E5722907 (9650835)	1.32	624	3	2	11.8	45	0.05	7	2.94	55.8	0.09	0.5	10	31.3	
E5722908 (9650836)	1.30	631	4	3	12.7	38	0.05	9	3.12	54.4	0.07	0.5	10	31.7	
E5722909 (9650837)	1.86	1690	7	3	9.5	125	0.04	24	2.04	30.1	0.57	1.3	38	25.3	
E5722910 (9650838)	2.14	2050	7	2	8.0	135	0.04	36	1.73	33.9	0.58	1.8	45	24.3	
E5722911 (9650839)	1.31	607	5	2	12.1	38	0.05	9	3.16	56.2	0.04	0.5	10	32.1	
E5722912 (9650840)	1.09	<10	<2	<1	0.7	<5	0.01	<5	0.17	0.5	<0.01	<0.1	<5	4.98	
E5722913 (9650841)	1.15	572	4	2	13.2	37	0.05	6	3.24	59.0	0.06	0.3	11	31.9	
E5722914 (9650842)	1.30	588	5	2	12.2	39	0.05	6	3.02	54.4	0.07	0.3	11	31.8	
E5722915 (9650843)	1.24	579	5	2	12.2	35	0.04	8	3.06	57.2	0.05	0.3	10	31.5	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
Sample ID (AGAT ID)															
E5722871 (9650799)	3.4	<1	144	<0.5	0.84	0.8	0.69	<0.5	0.50	0.24	295	3	29.9	3.2	
E5722872 (9650800)	0.2	<1	57.5	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.18	<5	<1	2.5	0.2	
E5722873 (9650801)	5.2	<1	416	<0.5	0.80	1.9	0.58	<0.5	0.31	0.65	211	<1	21.6	2.0	
E5722874 (9650802)	8.6	<1	371	<0.5	1.00	3.2	0.64	<0.5	0.27	1.11	156	1	21.5	1.7	
E5722875 (9650803)	8.5	<1	327	<0.5	1.00	3.3	0.61	<0.5	0.30	1.12	152	1	21.3	1.7	
E5722876 (9650804)	7.2	<1	139	<0.5	1.01	3.1	0.52	<0.5	0.29	1.24	160	1	22.3	1.7	
E5722877 (9650805)	4.8	<1	154	<0.5	0.72	1.8	0.30	<0.5	0.21	0.86	123	<1	17.1	1.2	
E5722878 (9650806)	3.1	<1	271	<0.5	0.57	0.8	0.53	<0.5	0.33	0.38	287	2	19.8	2.1	
E5722879 (9650807)	2.6	<1	261	<0.5	0.59	0.5	0.63	<0.5	0.34	0.20	280	2	19.5	2.1	
E5722880 (9650808)	2.4	<1	250	<0.5	0.59	0.5	0.63	<0.5	0.35	0.20	274	2	19.9	2.2	
E5722881 (9650809)	2.5	<1	168	<0.5	0.62	0.6	0.62	<0.5	0.37	0.18	295	1	21.3	2.2	
E5722882 (9650810)	6.5	<1	542	<0.5	0.84	5.1	0.34	<0.5	0.37	1.69	132	<1	22.5	2.4	
E5722883 (9650811)	2.8	<1	210	<0.5	0.66	0.6	0.62	<0.5	0.38	0.20	296	1	22.6	2.4	
E5722884 (9650812)	2.5	<1	163	<0.5	0.59	0.6	0.63	<0.5	0.34	0.18	291	1	20.7	2.1	
E5722885 (9650813)	2.7	<1	206	<0.5	0.62	0.5	0.60	<0.5	0.41	0.23	289	1	23.1	2.7	
E5722886 (9650814)	5.5	<1	26.2	<0.5	0.68	9.7	0.23	0.8	0.37	6.60	56	4	18.5	2.0	
E5722887 (9650815)	3.1	<1	165	<0.5	0.65	0.6	0.62	<0.5	0.36	0.32	296	1	22.9	2.4	
E5722888 (9650816)	3.7	<1	238	<0.5	0.67	2.3	0.60	<0.5	0.34	0.57	259	1	20.9	2.1	
E5722889 (9650817)	2.6	<1	277	<0.5	0.64	0.6	0.60	<0.5	0.39	0.25	299	2	23.1	2.5	
E5722890 (9650818)	4.1	<1	150	<0.5	0.78	0.7	0.57	<0.5	0.40	0.65	282	3	23.7	2.4	
E5722891 (9650819)	20.1	<1	149	<0.5	1.74	13.6	0.44	<0.5	0.34	3.41	126	4	29.6	2.0	
E5722892 (9650820)	0.2	<1	58.1	<0.5	<0.05	0.2	<0.01	<0.5	<0.05	0.14	<5	<1	2.1	0.1	
E5722893 (9650821)	23.4	<1	114	<0.5	2.31	10.2	0.38	<0.5	0.49	3.08	118	2	46.1	3.0	
E5722894 (9650822)	11.5	<1	148	<0.5	1.26	5.7	0.44	<0.5	0.35	1.78	160	6	26.1	2.2	
E5722895 (9650823)	10.6	2	262	<0.5	1.16	11.5	0.44	<0.5	0.29	2.26	137	4	23.1	1.8	
E5722896 (9650824)	7.2	1	199	<0.5	0.93	2.7	0.38	<0.5	0.27	1.11	158	3	22.1	1.6	
E5722897 (9650825)	7.1	<1	76.1	<0.5	0.79	3.0	0.37	<0.5	0.27	1.19	144	4	20.0	1.7	
E5722898 (9650826)	5.4	<1	116	<0.5	0.94	0.8	0.57	<0.5	0.43	0.57	274	2	26.2	2.7	
E5722899 (9650827)	5.0	<1	117	<0.5	0.92	0.8	0.58	<0.5	0.42	0.56	267	1	26.5	2.8	
E5722900 (9650828)	3.1	<1	145	<0.5	0.74	0.5	0.62	<0.5	0.44	0.25	306	1	24.6	2.7	
E5722901 (9650829)	2.7	<1	147	<0.5	0.60	0.5	0.66	<0.5	0.35	0.22	293	1	20.1	2.1	
E5722902 (9650830)	3.4	<1	145	<0.5	0.79	0.6	0.66	<0.5	0.46	0.24	313	1	25.8	2.7	

Certified By:



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AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018					DATE REPORTED: Nov 22, 2018					SAMPLE TYPE: Drill Core				
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
E5722903 (9650831)		4.7	<1	146	<0.5	0.92	0.6	0.66	<0.5	0.46	0.29	306	1	28.4	2.7
E5722904 (9650832)		2.8	<1	227	<0.5	0.71	0.5	0.63	0.7	0.45	0.36	316	2	24.9	2.9
E5722905 (9650833)		2.8	<1	404	<0.5	0.38	1.6	0.28	<0.5	0.15	0.94	106	<1	9.8	0.9
E5722906 (9650834)		5.8	<1	26.3	<0.5	0.65	10.0	0.23	0.7	0.32	6.79	58	4	19.3	2.0
E5722907 (9650835)		2.7	<1	405	<0.5	0.34	1.7	0.24	<0.5	0.14	0.93	85	<1	8.8	0.8
E5722908 (9650836)		2.5	<1	458	<0.5	0.33	1.7	0.24	<0.5	0.13	0.93	86	<1	8.9	0.8
E5722909 (9650837)		2.7	<1	256	<0.5	0.61	0.7	0.56	<0.5	0.39	0.39	264	1	21.2	2.3
E5722910 (9650838)		2.3	<1	258	<0.5	0.60	0.6	0.57	<0.5	0.38	0.26	310	1	22.6	2.3
E5722911 (9650839)		2.6	<1	440	<0.5	0.35	1.6	0.24	<0.5	0.13	0.97	85	<1	9.2	0.9
E5722912 (9650840)		0.2	<1	58.4	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	0.26	<5	<1	2.1	0.1
E5722913 (9650841)		2.9	<1	499	<0.5	0.36	1.7	0.24	<0.5	0.14	0.89	95	<1	8.9	0.9
E5722914 (9650842)		2.5	<1	451	<0.5	0.33	1.6	0.25	<0.5	0.14	0.90	90	<1	8.8	0.9
E5722915 (9650843)		2.7	<1	472	<0.5	0.35	1.6	0.24	<0.5	0.13	0.94	84	<1	9.0	0.8

Certified By:



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5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 22, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	Zr ppm 0.5
E5722871 (9650799)		89	97.6
E5722872 (9650800)		<5	2.4
E5722873 (9650801)		81	111
E5722874 (9650802)		107	157
E5722875 (9650803)		105	161
E5722876 (9650804)		101	143
E5722877 (9650805)		66	83.1
E5722878 (9650806)		112	62.2
E5722879 (9650807)		67	68.3
E5722880 (9650808)		67	69.8
E5722881 (9650809)		75	69.1
E5722882 (9650810)		68	171
E5722883 (9650811)		71	67.4
E5722884 (9650812)		67	66.9
E5722885 (9650813)		76	64.6
E5722886 (9650814)		7	167
E5722887 (9650815)		62	68.6
E5722888 (9650816)		66	76.5
E5722889 (9650817)		68	64.9
E5722890 (9650818)		54	67.0
E5722891 (9650819)		34	143
E5722892 (9650820)		<5	1.9
E5722893 (9650821)		25	122
E5722894 (9650822)		44	116
E5722895 (9650823)		56	131
E5722896 (9650824)		54	94.3
E5722897 (9650825)		52	101
E5722898 (9650826)		60	68.9
E5722899 (9650827)		62	67.1
E5722900 (9650828)		62	67.4
E5722901 (9650829)		49	70.2
E5722902 (9650830)		74	72.9

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PROJECT: DDH-224B

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 24, 2018 DATE RECEIVED: Oct 24, 2018 DATE REPORTED: Nov 22, 2018 SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
E5722903 (9650831)		75	71.9
E5722904 (9650832)		96	67.1
E5722905 (9650833)		59	88.3
E5722906 (9650834)		<5	172
E5722907 (9650835)		54	87.1
E5722908 (9650836)		55	88.9
E5722909 (9650837)		95	71.2
E5722910 (9650838)		156	62.5
E5722911 (9650839)		54	88.2
E5722912 (9650840)		<5	1.7
E5722913 (9650841)		50	87.5
E5722914 (9650842)		50	85.7
E5722915 (9650843)		51	88.5

Comments: RDL - Reported Detection Limit

Certified By:





Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Oct 24, 2018	DATE RECEIVED: Oct 24, 2018	DATE REPORTED: Nov 22, 2018	SAMPLE TYPE: Drill Core
----------------------------	-----------------------------	-----------------------------	-------------------------

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:
	Au	ppm	0.001
E5722905 (9650833)			0.005
E5722906 (9650834)			0.039
E5722907 (9650835)			<0.001
E5722908 (9650836)			<0.001
E5722909 (9650837)			0.002
E5722910 (9650838)			0.002
E5722911 (9650839)			0.004
E5722912 (9650840)			<0.001
E5722913 (9650841)			<0.001
E5722914 (9650842)			0.015
E5722915 (9650843)			0.002

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18B401453

PROJECT: DDH-224B

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 24, 2018

DATE RECEIVED: Oct 24, 2018

DATE REPORTED: Nov 22, 2018

SAMPLE TYPE: Drill Core

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E5722871 (9650799)		77
E5722873 (9650801)		89
E5722881 (9650809)		84
E5722890 (9650818)		89
E5722910 (9650838)		86
E5722911 (9650839)		86

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9650799	< 1	< 1	0.0%	9650813	< 1	< 1	0.0%	9650824	< 1	< 1	0.0%	9650838	< 1	< 1	0.0%
Al	9650799	7.16	7.21	0.7%	9650813	8.31	8.45	1.7%	9650824	5.82	6.11	4.9%	9650838	7.83	7.96	1.6%
As	9650799	11	6		9650813	72	77	6.7%	9650824	73	62	16.3%	9650838	18	9	
B	9650799	29	27	7.1%	9650813	31	29	6.7%	9650824	< 20	< 20	0.0%	9650838	21	21	0.0%
Ba	9650799	221	222	0.5%	9650813	372	384	3.2%	9650824	233	241	3.4%	9650838	217	200	8.2%
Be	9650799	< 5	< 5	0.0%	9650813	< 5	< 5	0.0%	9650824	< 5	< 5	0.0%	9650838	< 5	< 5	0.0%
Bi	9650799	0.1	< 0.1		9650813	0.6	0.6	0.0%	9650824	0.3	0.3	0.0%	9650838	0.3	0.3	0.0%
Ca	9650799	7.63	7.33	4.0%	9650813	7.74	7.78	0.5%	9650824	5.96	5.96	0.0%	9650838	8.87	9.09	2.4%
Cd	9650799	< 0.2	< 0.2	0.0%	9650813	< 0.2	< 0.2	0.0%	9650824	< 0.2	< 0.2	0.0%	9650838	0.25	0.28	11.3%
Ce	9650799	17.9	18.0	0.6%	9650813	14.6	14.3	2.1%	9650824	61.2	59.8	2.3%	9650838	12.2	12.5	2.4%
Co	9650799	52.2	51.4	1.5%	9650813	52.7	55.9	5.9%	9650824	89.6	80.2	11.1%	9650838	54.6	55.6	1.8%
Cr	9650799	0.018	0.018	0.0%	9650813	0.028	0.028	0.0%	9650824	0.0683	0.0727	6.2%	9650838	0.0336	0.0308	8.7%
Cs	9650799	1.6	1.6	0.0%	9650813	0.9	0.9	0.0%	9650824	4.10	4.15	1.2%	9650838	2.0	2.0	0.0%
Cu	9650799	145	150	3.4%	9650813	180	190	5.4%	9650824	47	46	2.2%	9650838	182	169	7.4%
Dy	9650799	5.32	5.32	0.0%	9650813	4.04	4.08	1.0%	9650824	4.45	4.33	2.7%	9650838	3.70	3.83	3.5%
Er	9650799	3.22	3.40	5.4%	9650813	2.58	2.64	2.3%	9650824	2.11	2.00	5.4%	9650838	2.60	2.55	1.9%
Eu	9650799	1.16	1.20	3.4%	9650813	1.27	1.18	7.3%	9650824	2.13	2.02	5.3%	9650838	1.19	1.16	2.6%
Fe	9650799	10.6	10.6	0.0%	9650813	9.59	9.58	0.1%	9650824	8.02	8.16	1.7%	9650838	8.92	9.12	2.2%
Ga	9650799	19.2	18.5	3.7%	9650813	18.3	18.8	2.7%	9650824	16.1	16.1	0.0%	9650838	19.1	19.2	0.5%
Gd	9650799	4.58	4.46	2.7%	9650813	3.44	3.63	5.4%	9650824	6.88	6.73	2.2%	9650838	3.19	3.27	2.5%
Ge	9650799	2	2	0.0%	9650813	2	2	0.0%	9650824	2	2	0.0%	9650838	2	2	0.0%
Hf	9650799	3	3	0.0%	9650813	2	2	0.0%	9650824	3	3	0.0%	9650838	2	2	0.0%
Ho	9650799	1.14	1.13	0.9%	9650813	0.932	0.912	2.2%	9650824	0.83	0.76	8.8%	9650838	0.867	0.841	3.0%
In	9650799	< 0.2	< 0.2	0.0%	9650813	< 0.2	< 0.2	0.0%	9650824	< 0.2	< 0.2	0.0%	9650838	< 0.2	< 0.2	0.0%
K	9650799	0.642	0.646	0.6%	9650813	1.24	1.24	0.0%	9650824	0.65	0.67	3.0%	9650838	0.61	0.61	0.0%
La	9650799	7.11	7.18	1.0%	9650813	6.4	6.3	1.6%	9650824	27.4	27.0	1.5%	9650838	5.2	5.2	0.0%
Li	9650799	19	18	5.4%	9650813	13	14	7.4%	9650824	36	36	0.0%	9650838	18	17	5.7%
Lu	9650799	0.495	0.493	0.4%	9650813	0.416	0.414	0.5%	9650824	0.26	0.26	0.0%	9650838	0.396	0.392	1.0%
Mg	9650799	2.55	2.67	4.6%	9650813	2.03	2.05	1.0%	9650824	6.05	6.04	0.2%	9650838	2.14	2.12	0.9%
Mn	9650799	2190	2200	0.5%	9650813	2020	2050	1.5%	9650824	1570	1600	1.9%	9650838	2050	2050	0.0%
Mo	9650799	12	11	8.7%	9650813	4	5	22.2%	9650824	< 2	< 2	0.0%	9650838	7	7	0.0%



CLIENT NAME: FIRST COBALT CORP

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Nb	9650799	4	4	0.0%	9650813	3	2		9650824	3	3	0.0%	9650838	2	2	0.0%
Nd	9650799	12.2	12.6	3.2%	9650813	9.42	9.55	1.4%	9650824	33.0	32.2	2.5%	9650838	8.04	8.65	7.3%
Ni	9650799	72	86	17.7%	9650813	140	141	0.7%	9650824	185	188	1.6%	9650838	135	126	6.9%
P	9650799	0.05	0.05	0.0%	9650813	0.04	0.04	0.0%	9650824	0.195	0.205	5.0%	9650838	0.035	0.035	0.0%
Pb	9650799	< 5	< 5	0.0%	9650813	27	27	0.0%	9650824	56	51	9.3%	9650838	36	36	0.0%
Pr	9650799	2.64	2.63	0.4%	9650813	2.01	2.07	2.9%	9650824	7.88	7.56	4.1%	9650838	1.73	1.82	5.1%
Rb	9650799	30.9	29.6	4.3%	9650813	41.9	44.0	4.9%	9650824	40.4	41.5	2.7%	9650838	33.9	33.6	0.9%
S	9650799	1.09	1.08	0.9%	9650813	0.39	0.39	0.0%	9650824	< 0.01	< 0.01	0.0%	9650838	0.581	0.523	10.5%
Sb	9650799	1.33	1.36	2.2%	9650813	5.6	5.7	1.8%	9650824	4.6	4.6	0.0%	9650838	1.8	1.8	0.0%
Sc	9650799	39	39	0.0%	9650813	40	42	4.9%	9650824	24	25	4.1%	9650838	45	43	4.5%
Si	9650799	23.3	23.4	0.4%	9650813	23.3	23.8	2.1%	9650824	23.0	24.1	4.7%	9650838	24.3	24.4	0.4%
Sm	9650799	3.4	3.3	3.0%	9650813	2.67	2.63	1.5%	9650824	7.22	6.82	5.7%	9650838	2.3	2.4	4.3%
Sn	9650799	< 1	< 1	0.0%	9650813	< 1	< 1	0.0%	9650824	1	< 1		9650838	< 1	< 1	0.0%
Sr	9650799	144	144	0.0%	9650813	206	210	1.9%	9650824	199	210	5.4%	9650838	258	264	2.3%
Ta	9650799	< 0.5	< 0.5	0.0%	9650813	< 0.5	< 0.5	0.0%	9650824	< 0.5	< 0.5	0.0%	9650838	< 0.5	< 0.5	0.0%
Tb	9650799	0.836	0.830	0.7%	9650813	0.617	0.635	2.9%	9650824	0.93	0.88	5.5%	9650838	0.601	0.620	3.1%
Th	9650799	0.75	0.72	4.1%	9650813	0.5	0.5	0.0%	9650824	2.73	2.65	3.0%	9650838	0.6	0.6	0.0%
Ti	9650799	0.692	0.701	1.3%	9650813	0.604	0.615	1.8%	9650824	0.382	0.401	4.9%	9650838	0.57	0.57	0.0%
Tl	9650799	< 0.5	< 0.5	0.0%	9650813	< 0.5	< 0.5	0.0%	9650824	< 0.5	< 0.5	0.0%	9650838	< 0.5	< 0.5	0.0%
Tm	9650799	0.498	0.481	3.5%	9650813	0.410	0.395	3.7%	9650824	0.27	0.27	0.0%	9650838	0.38	0.40	5.1%
U	9650799	0.24	0.25	4.1%	9650813	0.234	0.237	1.3%	9650824	1.11	1.13	1.8%	9650838	0.26	0.25	3.9%
V	9650799	295	299	1.3%	9650813	289	301	4.1%	9650824	158	165	4.3%	9650838	310	289	7.0%
W	9650799	3	3	0.0%	9650813	1	1	0.0%	9650824	3	3	0.0%	9650838	1	1	0.0%
Y	9650799	29.9	29.2	2.4%	9650813	23.1	23.7	2.6%	9650824	22.1	21.6	2.3%	9650838	22.6	23.0	1.8%
Yb	9650799	3.2	3.2	0.0%	9650813	2.65	2.59	2.3%	9650824	1.65	1.66	0.6%	9650838	2.32	2.37	2.1%
Zn	9650799	89	91	2.2%	9650813	76	81	6.4%	9650824	54	56	3.6%	9650838	156	159	1.9%
Zr	9650799	97.6	96.2	1.4%	9650813	64.6	66.2	2.4%	9650824	94.3	96.8	2.6%	9650838	62.5	63.2	1.1%

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	REPLICATE #1				RPD											
	Sample ID	Original	Replicate	RPD												
Au	9650838	0.002	< 0.001													



CLIENT NAME: FIRST COBALT CORP

ATTENTION TO: FRANK SANTAGUIDA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.93	100%	90% - 110%	8.47	8.32	98%	90% - 110%								
As					26	25	96%	90% - 110%								
Ba	340	333	98%	90% - 110%	540	510	94%	90% - 110%								
Be	2.6	2.8	110%	90% - 110%	4.0	3.6	90%	90% - 110%								
Ca	5.72	5.62	98%	90% - 110%	0.907	0.949	105%	90% - 110%								
Ce	122	129	106%	90% - 110%	98	108	110%	90% - 110%								
Co	2.8	2.5	90%	90% - 110%	15	15	99%	90% - 110%	1202	1222	102%	90% - 110%				
Cs	1.5	1.6	109%	90% - 110%												
Cu					150	153	102%	90% - 110%	15414	14625	95%	90% - 110%				
Dy	18.2	19.4	106%	90% - 110%												
Er	14.2	15	106%	90% - 110%	3.7	4	108%	90% - 110%								
Eu	2.0	2.1	104%	90% - 110%												
Fe	4.34	4.42	102%	90% - 110%	3.77	3.88	103%	90% - 110%								
Ga	35	37	106%	90% - 110%												
Gd	14	15	109%	90% - 110%												
Hf	10.6	10.9	102%	90% - 110%	11	10	94%	90% - 110%								
Ho	4.3	4.7	109%	90% - 110%												
K	1.37	1.42	104%	90% - 110%	2.55	2.54	100%	90% - 110%								
La	58	59	102%	90% - 110%	44	48	109%	90% - 110%								
Li	37	40	107%	90% - 110%	47	51	108%	90% - 110%								
Lu	2.1	2.2	106%	90% - 110%	0.6	0.6	98%	90% - 110%								
Mg	0.325	0.311	96%	90% - 110%	1.1	1.1	98%	90% - 110%								
Mn	836	803	96%	90% - 110%	780	749	96%	90% - 110%								
Mo					14	13	95%	90% - 110%								
Nb	13	14	104%	90% - 110%	20	19	93%	90% - 110%								
Nd	57	59	104%	90% - 110%												
Ni					32	37	117%	90% - 110%	23610	23097	98%	90% - 110%				
Pb	10	9	90%	90% - 110%	31	33	106%	90% - 110%	41	40	98%	90% - 110%				
Pr	15.0	15.5	103%	90% - 110%												
Rb	55	55	100%	90% - 110%	144	148	103%	90% - 110%								
Sb					0.8	0.8	95%	90% - 110%								



CLIENT NAME: FIRST COBALT CORP

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Sc					12	12	98%	90% - 110%								
Si	23.3	23.4	101%	90% - 110%	28.4	27.9	98%	90% - 110%								
Sm	12.7	12.6	100%	90% - 110%	7.4	8.1	110%	90% - 110%								
Sn	7.1	7.7	108%	90% - 110%												
Sr	1191	1117	94%	90% - 110%	144	145	101%	90% - 110%								
Ta					1.9	1.4	75%	90% - 110%								
Tb	2.6	2.9	110%	90% - 110%	1.2	1.3	108%	90% - 110%								
Th	1.4	1.5	109%	90% - 110%	18.4	17.3	94%	90% - 110%								
Ti	0.172	0.165	96%	90% - 110%	0.527	0.491	93%	90% - 110%								
Tm	2.3	2.4	103%	90% - 110%												
U					5.7	5.4	96%	90% - 110%								
V					77	76	98%	90% - 110%								
W					5	5	104%	90% - 110%								
Y	119	121	101%	90% - 110%	40	39	98%	90% - 110%								
Yb	14.8	15.1	102%	90% - 110%												
Zn	93	89	96%	90% - 110%	130	119	91%	90% - 110%	90	83	92%	90% - 110%				
Zr	517	566	109%	90% - 110%	390	388	99%	90% - 110%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

Parameter	CRM #1 (ref.GS5W)				CRM #2 (ref.Till-2)				CRM #3 (ref.GBM998-10)								
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits					
Au	5.27	5.32	101%	90% - 110%													



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-224B
 SAMPLING SITE:

AGAT WORK ORDER: 18B401453
 ATTENTION TO: FRANK SANTAGUIDA
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



Method Summary

CLIENT NAME: FIRST COBALT CORP
 PROJECT: DDH-224B
 SAMPLING SITE:

AGAT WORK ORDER: 18B401453
 ATTENTION TO: FRANK SANTAGUIDA
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES
Pass %			BALANCE