Quality Analysis ... *Innovative Technologies*

Date Submitted:	24-Sep-18
Invoice No.:	A18-13705-Au
Invoice Date:	15-Nov-18
Your Reference:	BMK-2017

MacDonald Mines Exploration Ltd.
145 Wellington Street West
Suite 1001
Toronto ON M5J 1H8
Canada

ATTN: Vice President of Exploration Quentin Yarie (INV+CERT)

CERTIFICATE OF ANALYSIS

212 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-50 Au - Fire Assay AA (QOP AA-Au)

Code ME-MS61-RedPine Total Digestion ICP & ICP/MS

REPORT **A18-13705-Au**

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

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
709201	60	
709202	< 5	
709203	< 5	
709204	< 5	
709205	6	
709206	< 5	
709207	13	
709208	< 5	
709209	< 5	
709210	< 5	
709211	< 5	
709212	50	
709213	< 5	
709214	< 5	
709215	< 5	
709216	< 5	
709217	< 5	
709218	8	
709219	12	
709220	58	
709221	291	
709222	20	
709223	< 5	
709224	< 5	
709225	< 5	
709226	12	
709227	< 5	
709228	5	
709229	16	
709230	32	
709231	20	
709232	12	
709233	< 5	
709234	< 5	
709235	5	
709236	258	
709237	23	
709238	< 5	
709239	< 5	
709240	1500	
709241	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
709242	< 5	
709243	< 5	
709244	< 5	
709245	< 5	
709246	< 5	
709247	21	
709248	6	
709249	16	
709250	< 5	
709251	11	
709252	17	
709253	11	
709254	< 5	
709255	< 5	
709256	< 5	
709257	30	
709258	< 5	
709259	17	
709260	8	
709261	33	
709262	< 5	
709263	< 5	
709264	< 5	
709265	< 5	
709266	< 5	
709267	< 5	
709268	22	
709269	< 5	
709270	< 5	
709551	6	
709552	< 5	
709553	< 5	
709554	< 5	
709555	< 5	
709556	< 5	
709557	< 5	
709558	< 5	
709559	< 5	
709560	15	
709561	< 5	
709562	< 5	
709563	29	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
709564	5	
709565	< 5	
709566	< 5	
709567	5	
709568	< 5	
709569	< 5	
709570	< 5	
709571	5	
709572	< 5	
709573	< 5	
709574	11	
709575	< 5	
709576	< 5	
709577	< 5	
709578	< 5	
709579	< 5	
709580	68	
709581	14	
709582	< 5	
709583	< 5	
709584	< 5	
709585	< 5	
709586	< 5	
709587	< 5	
709588	< 5	
709589	< 5	
709590	> 5000	5.55
709591	6	
709592	< 5	
709593	< 5	
709594	< 5	
709595	< 5	
709596	< 5	
709597	6	
709598	< 5	
709599	< 5	
709600	< 5	
709301	< 5	
709302	< 5	
709303	< 5	
709304	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
709305	< 5	
709306	< 5	
709307	< 5	
709308	< 5	
709309	< 5	
709310	< 5	
709311	9	
709312	5	
709313	< 5	
709314	< 5	
709315	< 5	
709316	< 5	
709317	< 5	
709318	< 5	
709319	< 5	
709320	< 5	
709321	< 5	
709322	< 5	
709323	< 5	
709324	< 5	
709325	< 5	
709326	< 5	
709327	< 5	
709328	< 5	
709329	< 5	
709330	< 5	
709331	< 5	
709332	< 5	
709271	< 5	
709272	< 5	
709273	< 5	
709274	< 5	
709275	< 5	
709276	< 5	
709277	< 5	
709278	< 5	
709279	< 5	
709280	< 5	
709281	< 5	
709282	< 5	
709283	< 5	
709284	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
709285	< 5	
709286	< 5	
709287	5	
709288	< 5	
709289	< 5	
709290	511	
709291	< 5	
709292	< 5	
709293	< 5	
709294	< 5	
709295	< 5	
709296	< 5	
709297	< 5	
709298	< 5	
709299	< 5	
709300	< 5	
709351	< 5	
709352	< 5	
709353	< 5	
709354	< 5	
709355	< 5	
709356	< 5	
709357	< 5	
709358	< 5	
709359	< 5	
709360	< 5	
709361	< 5	
709362	< 5	
709363	< 5	
709364	< 5	
709365	< 5	
709366	< 5	
709367	< 5	
709368	< 5	
709369	< 5	
709370	< 5	
709371	< 5	
709372	< 5	
709373	< 5	
709374	< 5	
709375	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
709376	< 5	
709377	< 5	
709378	< 5	
709379	< 5	
709380	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
OREAS 214 Meas	3000	
OREAS 214 Cert	3030	
OREAS 214 Meas	2940	
OREAS 214 Cert	3030	
OREAS 214 Meas	2880	
OREAS 214 Cert	3030	
OREAS 218 Meas	526	
OREAS 218 Cert	531	
OREAS 218 Meas	512	
OREAS 218 Cert	531	
OREAS 229 (Fire Assay) Meas		12.1
OREAS 229 (Fire Assay) Cert		12.1
OREAS 224 Meas	2060	
OREAS 224 Cert	2150	
OREAS 209 (Fire Assay) Meas	1540	
OREAS 209 (Fire Assay) Cert	1580	
OREAS 209 (Fire Assay) Meas	1500	
OREAS 209 (Fire Assay) Cert	1580	
OREAS 209 (Fire Assay) Meas	1490	
OREAS 209 (Fire Assay) Cert	1580	
709203 Orig	< 5	
709203 Dup	< 5	
709214 Orig	5	
709214 Dup	< 5	
709224 Orig	< 5	
709224 Dup	< 5	
709249 Orig	16	
709249 Split PREP DUP	17	
709255 Orig	< 5	
709258 Orig	< 5	
709258 Dup	< 5	
709268 Orig	11	
709268 Dup	32	
709570 Orig	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
709570 Dup	< 5	
709575 Orig	5	
709575 Dup	< 5	
709580 Orig	68	
709580 Split PREP DUP	85	
709581 Orig	17	
709581 Dup	10	
709595 Orig	7	
709595 Dup	< 5	
709307 Orig	< 5	
709307 Dup	< 5	
709319 Orig	< 5	
709319 Dup	< 5	
709330 Orig	< 5	
709330 Split PREP DUP	< 5	
709272 Orig	< 5	
709272 Dup	< 5	
709287 Orig	5	
709287 Dup	5	
709297 Orig	< 5	
709297 Dup	< 5	
709352 Orig	< 5	
709352 Dup	< 5	
709362 Orig	< 5	
709362 Dup	< 5	
709377 Orig	< 5	
709377 Dup	< 5	
709380 Orig	< 5	
709380 Split PREP DUP	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.02