



Report No.: A24-02698

Report Date: 21-Mar-24

Date Submitted: 08-Mar-24

Your Reference:

Government of Newfoundland

Dept of Mines and Energy Howley Building, Higgins Line

St. Johns NF A1B 4J6

Canada

ATTN: Chris Finch

CERTIFICATE OF ANALYSIS

175 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1G-Hg CV	QOP HgFIMS (Hg-Cold Vapour AA)	2024-03-18 19:02:52

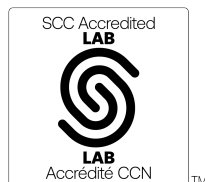
REPORT A24-02698

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Notes:

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

Refer to the Scope of
Accreditation for information
on accredited elements.



LabID: 266

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

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Mark Vandergeest".

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5037281	20
5037282	< 5
5037283	17
5037284	49
5037285	15
5037286	64
5037287	20
5037288	9
5037290	19
5037291	57
5037292	24
5037300	7
5037324	9
5037325	18
5037326	12
5037327	< 5
5037328	24
5037329	41
5037331	12
5037333	6
5037334	12
5037335	27
5037336	19
5037405	27
5037406	13
5037407	20
5037410	20
5037411	24
5037412	25
5037413	19
5037414	56
5037416	51
5037417	34
5037427	14
5037428	24
5037433	6
5037434	10
5037435	7
5037436	7
5037440	16
5037452	9
5037454	9
5037455	17
5037456	27
5037457	32
5037458	12
5037471	18
5037472	16
5037482	26
5037492	43
5037493	23

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5037494	15
5037495	84
5037506	12
5037507	45
5037508	8
5037509	29
5037511	32
5037521	22
5037522	35
5037523	25
5037532	19
5037533	29
5037596	19
5037608	12
5037609	122
5037611	33
5037612	10
5037613	20
5037614	9
5037616	39
5037617	124
5037618	27
5037619	80
5037620	25
5037621	20
5037627	31
5037633	14
5037634	26
5037637	5
5037638	12
5037639	6
5037650	14
5037656	9
5037657	17
5037658	51
5037659	11
5037661	6
5037664	< 5
5037675	18
5037676	160
5037677	39
5037678	30
5037687	19
5037688	20
5037690	19
5037697	15
5037698	57
5037699	7
5037701	26
5037702	24
5037712	35

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5037713	22
5037714	22
5037715	19
5037717	19
5037718	39
5037729	26
5037731	31
5037732	11
5037740	7
5037741	28
5037742	40
5037743	53
5037759	14
5037761	29
5037762	10
5037763	32
5037764	6
5037765	29
5037770	5
5037776	7
5037778	29
5037779	22
5037781	20
5037782	7
5037783	9
5037785	11
5037786	18
5037787	21
5037788	< 5
5037789	9
5037791	14
5037792	12
5037793	10
5037795	39
5037796	22
5037797	33
5037798	14
5037799	17
5037800	15
5037801	< 5
5037802	35
5037803	51
5037804	< 5
5037810	35
5037831	66
5037832	12
5037833	30
5037834	15
5037835	23
5037836	13
5037837	14

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5037893	46
5037895	45
5037896	61
5037897	12
5037899	13
5037901	25
5037918	28
5037919	23
5037921	66
5037972	37
5037973	43
5037975	64
5037976	19
5037983	24
5037984	35
5038022	15
5038059	25
5038060	27
5038061	19
5038062	14
5038063	48
5038064	28

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 263 (Aqua Regia) Meas	185
OREAS 263 (Aqua Regia) Cert	170
OREAS 130 (Aqua Regia) Meas	692
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	667
OREAS 130 (Aqua Regia) Cert	670
Oreas 620 (Aqua Regia) Meas	2150
Oreas 620 (Aqua Regia) Cert	2140
Oreas 620 (Aqua Regia) Meas	2070
Oreas 620 (Aqua Regia) Cert	2140
Oreas 610 (Aqua Regia) Meas	839
Oreas 610 (Aqua Regia) Cert	800
OREAS 603c (Aqua Regia) Meas	1500
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 603c (Aqua Regia) Meas	1390
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 609b (Aqua Regia) Meas	557
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	26
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	26
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 45h (Aqua Regia) Cert	24.000
5037286 Orig	64
5037286 Dup	64
5037405 Orig	27
5037405 Dup	27
5037452 Orig	8
5037452 Dup	9
5037523 Orig	25
5037523 Dup	26
5037619 Orig	79
5037619 Dup	80
5037657 Orig	18
5037657 Dup	16
5037698 Orig	58
5037698 Dup	56
5037743 Orig	50
5037743 Dup	56
5037783 Orig	8
5037783 Dup	10
5037798 Orig	14
5037798 Dup	14
5037896 Orig	61
5037896 Dup	61
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A24-03503

Report Date: 10-Apr-24

Date Submitted: 27-Mar-24

Your Reference: pf16472

Government of Newfoundland

Dept of Mines and Energy Howley Building, Higgins Line

St. Johns NF A1B 4J6

Canada

ATTN: Chris Finch

CERTIFICATE OF ANALYSIS

210 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1G-Hg CV	QOP HgFIMS (Hg-Cold Vapour AA)	2024-04-04 17:25:08

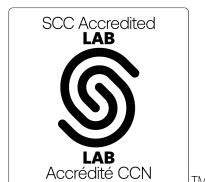
REPORT A24-03503

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Notes:

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

Refer to the Scope of Accreditation for information on accredited elements.



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

CERTIFIED BY:

A handwritten signature in black ink, reading "Mark Vandergeest".

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5038065	26
5038066	15
5038067	46
5038068	47
5038086	41
5038087	134
5038088	52
5038139	36
5038141	38
5038143	9
5038144	18
5038145	19
5038149	22
5038151	9
5038217	5
5038218	25
5038279	61
5038280	8
5038281	10
5038282	35
5038283	21
5038284	12
5038285	10
5038286	29
5038288	< 5
5038729	93
5038730	95
5038731	15
5038732	20
5038733	25
5038734	55
5038735	140
5038736	26
5038737	57
5038738	57
5038739	84
5038741	7
5038743	19
5038744	106
5038745	17
5038746	27
5038747	122
5038748	73
5038749	75
5038751	36
5038752	65
5038757	43
5038758	107
5038759	18
5038762	103
5038763	20

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5038764	12
5038765	32
5038779	24
5038780	17
5038781	11
5038782	78
5038783	40
5038784	67
5038785	137
5038786	50
5038787	84
5038788	83
5038789	40
5038790	22
5038799	15
5038801	11
5038802	29
5038803	52
5038804	62
5038805	41
5038806	16
5038807	9
5038808	12
5038809	37
5038810	51
5038811	7
5038812	20
5038813	15
5038814	6
5038815	50
5038816	9
5038817	48
5038818	60
5038819	45
5038820	26
5038821	47
5038822	76
5038823	21
5038824	9
5038826	12
5038827	39
5038828	20
5038829	13
5038830	45
5038831	12
5038832	35
5038833	30
5038834	143
5038835	21
5038836	12
5038837	72

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5038838	17
5038839	99
5038840	8
5038841	199
5038842	59
5038843	93
5038844	35
5038845	79
5038846	164
5038847	149
5038848	61
5038849	128
5038850	17
5038851	92
5038853	12
5038854	78
5038855	151
5038856	44
5038857	62
5038858	118
5038859	14
5038861	131
5038862	11
5038863	24
5038864	13
5038865	15
5038866	115
5038867	97
5038868	59
5038870	64
5038871	141
5038872	304
5038873	343
5038874	84
5038875	76
5038876	444
5038877	23
5038878	17
5038879	108
5038880	15
5038881	82
5038882	38
5038883	17
5038884	32
5038885	59
5038886	79
5038887	36
5038888	39
5038889	34
5038890	54
5038892	447

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5038893	96
5038894	11
5038895	12
5038896	20
5038897	13
5038898	73
5038899	15
5038900	26
5038901	24
5038902	34
5038903	27
5038904	14
5038905	28
5038906	23
5038907	7
5038908	6
5038909	46
5038910	21
5038911	36
5038912	20
5038914	8
5038915	5
5038916	31
5038917	19
5038918	24
5038919	38
5038920	7
5038921	87
5038922	15
5038923	7
5038924	6
5038925	21
5038926	8
5038927	10
5038928	27
5038929	54
5038930	7
5038931	25
5038933	16
5038934	65
5038938	50
5038939	47
5038940	15
5038941	16
5038942	22
5038943	15
5038944	23
5038945	34
5038946	13
5038947	7
5038948	31

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5038949	42
5038950	16
5038951	11
5038953	< 5
5038954	7
5038955	26

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 263 (Aqua Regia) Meas	188
OREAS 263 (Aqua Regia) Cert	170
OREAS 263 (Aqua Regia) Meas	185
OREAS 263 (Aqua Regia) Cert	170
OREAS 130 (Aqua Regia) Meas	666
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	684
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	673
OREAS 130 (Aqua Regia) Cert	670
Oreas 620 (Aqua Regia) Meas	2170
Oreas 620 (Aqua Regia) Cert	2140
Oreas 620 (Aqua Regia) Meas	2220
Oreas 620 (Aqua Regia) Cert	2140
Oreas 610 (Aqua Regia) Meas	788
Oreas 610 (Aqua Regia) Cert	800
Oreas 610 (Aqua Regia) Meas	815
Oreas 610 (Aqua Regia) Cert	800
OREAS 603c (Aqua Regia) Meas	1370
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 603c (Aqua Regia) Meas	1380
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 609b (Aqua Regia) Meas	536
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 609b (Aqua Regia) Meas	502
OREAS 609b	520.00

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
(Aqua Regia) Cert	
OREAS 609b (Aqua Regia) Meas	547
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 609b (Aqua Regia) Meas	512
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 45h (Aqua Regia) Meas	22
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	25
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	25
OREAS 45h (Aqua Regia) Cert	24.000
5038087 Orig	137
5038087 Dup	132
5038286 Orig	29
5038286 Dup	28
5038746 Orig	26
5038746 Dup	27
5038786 Orig	50
5038786 Dup	50
5038808 Orig	12
5038808 Dup	12
5038819 Orig	45
5038819 Dup	45
5038833 Orig	30
5038833 Dup	29
5038849 Orig	129
5038849 Dup	127

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5038864 Orig	12
5038864 Dup	13
5038877 Orig	23
5038877 Dup	22
5038895 Orig	12
5038895 Dup	12
5038918 Orig	24
5038918 Dup	24
5038926 Orig	8
5038926 Dup	8
5038944 Orig	23
5038944 Dup	23
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A24-03509

Report Date: 15-Apr-24

Date Submitted: 27-Mar-24

Your Reference: pf16472

Government of Newfoundland

Dept of Mines and Energy Howley Building, Higgins Line

St. Johns NF A1B 4J6

Canada

ATTN: Chris Finch

CERTIFICATE OF ANALYSIS

212 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1G-Hg CV	QOP HgFIMS (Hg-Cold Vapour AA)	2024-04-11 17:30:25

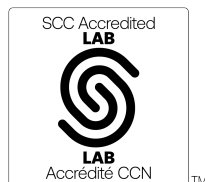
REPORT A24-03509

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Notes:

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Refer to the Scope of
Accreditation for information
on accredited elements.



LabID: 266

ACTIVATION LABORATORIES LTD.

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

CERTIFIED BY:

A handwritten signature in black ink, reading "Mark Vandergeest".

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039599	81
5039600	28
5039602	25
5039603	30
5039604	97
5039605	68
5039606	51
5039607	42
5039608	22
5039609	68
5039610	29
5039611	62
5039612	74
5039613	64
5039614	32
5039615	32
5039616	41
5039617	72
5039618	34
5039619	68
5039620	7
5039621	52
5039622	48
5039623	10
5039624	33
5039625	40
5039626	24
5039627	27
5039628	57
5039629	69
5039630	26
5039631	103
5039632	76
5039633	14
5039634	42
5039635	39
5039637	70
5039638	37
5039639	55
5039640	15
5039641	37
5039642	54
5039643	49
5039644	33
5039645	48
5039646	27
5039647	28
5039648	46
5039649	75
5039650	52
5039651	56

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039652	29
5039653	24
5039654	71
5039655	80
5039656	38
5039657	115
5039658	20
5039659	22
5039660	27
5039661	29
5039662	42
5039663	47
5039664	192
5039665	69
5039666	69
5039667	42
5039668	28
5039669	30
5039670	66
5039672	24
5039673	44
5039674	25
5039675	127
5039676	31
5039677	10
5039678	15
5039679	37
5039680	7
5039681	30
5039682	67
5039683	30
5039684	27
5039685	74
5039686	60
5039687	124
5039688	114
5039689	60
5039690	114
5039691	174
5039693	38
5039694	33
5039695	95
5039696	139
5039697	194
5039698	73
5039699	34
5039700	15
5039701	124
5039702	59
5039703	47
5039704	117

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039705	17
5039707	22
5039708	59
5039709	89
5039710	16
5039711	62
5039712	122
5039713	60
5039714	76
5039715	7
5039717	9
5039718	113
5039719	51
5039721	35
5039722	21
5039723	17
5039724	29
5039725	28
5039726	51
5039727	19
5039728	38
5039729	35
5039730	21
5039731	109
5039735	17
5039736	21
5039737	51
5039738	62
5039740	29
5039747	66
5039748	23
5039749	57
5039751	35
5039753	39
5039754	60
5039755	75
5039756	93
5039757	46
5039758	28
5039759	111
5039760	7
5039761	26
5039762	50
5039763	26
5039764	95
5039765	50
5039766	63
5039767	23
5039768	51
5039769	27
5039770	27

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039771	49
5039772	32
5039774	20
5039775	91
5039776	46
5039777	78
5039778	72
5039779	30
5039780	14
5039781	20
5039782	35
5039783	52
5039784	33
5039785	26
5039786	46
5039787	28
5039788	19
5039789	82
5039790	55
5039791	15
5039792	73
5039793	57
5039794	48
5039795	22
5039796	29
5039797	88
5039798	43
5039799	19
5039800	28
5039801	22
5039802	105
5039803	19
5039804	26
5039805	93
5039806	53
5039807	66
5039808	29
5039809	73
5039810	108
5039811	86
5039812	70
5039813	54
5039814	36
5039815	79
5039816	14
5039817	50
5039818	161
5039819	37
5039820	7
5039821	28
5039822	32

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039823	21
5039824	79
5039825	12
5039827	104
5039828	74
5039829	59
5039831	27
5039832	74

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 263 (Aqua Regia) Meas	181
OREAS 263 (Aqua Regia) Cert	170
OREAS 130 (Aqua Regia) Meas	686
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	630
OREAS 130 (Aqua Regia) Cert	670
Oreas 620 (Aqua Regia) Meas	2150
Oreas 620 (Aqua Regia) Cert	2140
Oreas 610 (Aqua Regia) Meas	800
Oreas 610 (Aqua Regia) Cert	800
Oreas 610 (Aqua Regia) Meas	805
Oreas 610 (Aqua Regia) Cert	800
OREAS 603c (Aqua Regia) Meas	1330
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 609b (Aqua Regia) Meas	529
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 609b (Aqua Regia) Meas	530
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 609b (Aqua Regia) Meas	534
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 45h (Aqua Regia) Meas	23
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	23
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	23
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	25
OREAS 45h (Aqua Regia) Cert	24.000
5039605 Orig	69
5039605 Dup	68
5039623 Orig	10
5039623 Dup	10
5039641 Orig	37
5039641 Dup	37
5039661 Orig	29
5039661 Dup	30
5039675 Orig	130
5039675 Dup	124
5039686 Orig	59
5039686 Dup	62
5039700 Orig	15
5039700 Dup	15
5039718 Orig	112
5039718 Dup	114
5039735 Orig	17
5039735 Dup	17
5039756 Orig	92
5039756 Dup	93
5039774 Orig	20
5039774 Dup	20
5039796 Orig	29
5039796 Dup	29
5039804 Orig	26
5039804 Dup	26
5039818 Orig	163
5039818 Dup	158
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A24-03508

Report Date: 19-Apr-24

Date Submitted: 27-Mar-24

Your Reference: pf16472

Government of Newfoundland

Dept of Mines and Energy Howley Building, Higgins Line

St. Johns NF A1B 4J6

Canada

ATTN: Chris Finch

CERTIFICATE OF ANALYSIS

210 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1G-Hg CV	QOP HgFIMS (Hg-Cold Vapour AA)	2024-04-08 17:31:15

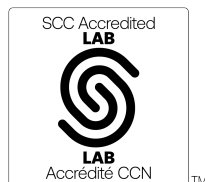
REPORT A24-03508

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Notes:

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

Refer to the Scope of
Accreditation for information
on accredited elements.



LabID: 266

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

CERTIFIED BY:

A handwritten signature in black ink, reading "Mark Vandergeest".

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039233	27
5039234	38
5039235	49
5039236	31
5039237	23
5039238	13
5039239	46
5039240	15
5039241	39
5039242	8
5039243	25
5039244	122
5039245	22
5039246	11
5039247	11
5039248	72
5039249	18
5039250	19
5039251	< 5
5039252	13
5039253	5
5039254	25
5039255	25
5039256	< 5
5039258	10
5039259	52
5039260	28
5039261	28
5039262	18
5039266	< 5
5039267	13
5039268	18
5039269	25
5039270	< 5
5039271	62
5039272	15
5039273	7
5039274	33
5039275	< 5
5039276	21
5039277	18
5039278	31
5039279	53
5039280	7
5039281	24
5039282	115
5039283	45
5039284	23
5039285	124
5039286	23
5039287	57

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039288	138
5039289	24
5039290	24
5039291	53
5039292	21
5039293	112
5039294	32
5039295	80
5039296	108
5039298	162
5039299	39
5039300	15
5039301	32
5039302	26
5039344	49
5039345	108
5039348	48
5039349	42
5039356	31
5039357	29
5039358	67
5039359	80
5039361	25
5039363	27
5039365	62
5039366	115
5039367	32
5039368	< 5
5039371	23
5039372	35
5039373	227
5039374	11
5039375	8
5039376	10
5039377	14
5039378	46
5039379	88
5039380	29
5039381	24
5039382	71
5039383	31
5039384	76
5039385	84
5039386	86
5039387	50
5039388	117
5039389	81
5039390	31
5039391	10
5039392	19
5039393	63

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039394	12
5039395	30
5039396	48
5039398	41
5039400	7
5039402	24
5039403	49
5039404	61
5039405	27
5039406	22
5039407	60
5039408	156
5039409	77
5039410	19
5039411	39
5039412	64
5039413	40
5039414	40
5039415	37
5039416	32
5039417	80
5039418	37
5039419	50
5039420	15
5039421	41
5039422	102
5039423	84
5039424	216
5039465	39
5039466	93
5039467	61
5039468	110
5039469	20
5039472	39
5039473	17
5039475	37
5039476	34
5039477	219
5039478	28
5039481	41
5039482	58
5039483	153
5039484	99
5039485	19
5039487	29
5039488	< 5
5039490	35
5039495	135
5039500	28
5039534	43
5039535	12

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039536	11
5039537	23
5039538	13
5039539	36
5039541	25
5039542	80
5039543	94
5039544	56
5039545	30
5039547	86
5039548	46
5039549	87
5039550	81
5039552	20
5039553	21
5039554	45
5039555	81
5039556	88
5039559	29
5039560	7
5039561	26
5039562	35
5039563	34
5039564	64
5039565	76
5039566	29
5039567	121
5039568	13
5039570	26
5039571	35
5039572	59
5039573	106
5039574	60
5039575	55
5039576	105
5039577	88
5039578	101
5039579	37
5039580	16
5039581	58
5039582	68
5039583	69
5039584	67
5039585	73
5039586	78
5039587	59
5039588	50
5039589	19
5039590	60
5039591	96
5039592	37

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039593	92
5039594	117
5039595	35
5039596	35
5039597	87
5039598	44

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 263 (Aqua Regia) Meas	190
OREAS 263 (Aqua Regia) Cert	170
OREAS 263 (Aqua Regia) Meas	187
OREAS 263 (Aqua Regia) Cert	170
OREAS 130 (Aqua Regia) Meas	703
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	703
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	694
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	695
OREAS 130 (Aqua Regia) Cert	670
Oreas 620 (Aqua Regia) Meas	2130
Oreas 620 (Aqua Regia) Cert	2140
Oreas 620 (Aqua Regia) Meas	2190
Oreas 620 (Aqua Regia) Cert	2140
Oreas 620 (Aqua Regia) Meas	2170
Oreas 620 (Aqua Regia) Cert	2140
Oreas 620 (Aqua Regia) Meas	2170
Oreas 620 (Aqua Regia) Cert	2140
Oreas 610 (Aqua Regia) Meas	793
Oreas 610 (Aqua Regia) Cert	800
Oreas 610 (Aqua Regia) Meas	820
Oreas 610 (Aqua Regia) Cert	800
OREAS 603c (Aqua Regia) Meas	1350
OREAS 603c (Aqua Regia) Cert	1350.00

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 603c (Aqua Regia) Meas	1350
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 603c (Aqua Regia) Meas	1320
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 609b (Aqua Regia) Meas	540
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 609b (Aqua Regia) Meas	531
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 609b (Aqua Regia) Meas	535
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 45h (Aqua Regia) Meas	25
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	33
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	29
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	26
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039238 Orig	13
5039238 Dup	13
5039256 Orig	< 5
5039256 Dup	< 5
5039277 Orig	18
5039277 Dup	17
5039298 Orig	164
5039298 Dup	160
5039361 Orig	25
5039361 Dup	25
5039376 Orig	10
5039376 Dup	10
5039389 Orig	80
5039389 Dup	81
5039408 Orig	158
5039408 Dup	154
5039421 Orig	41
5039421 Dup	42
5039476 Orig	35
5039476 Dup	34
5039538 Orig	12
5039538 Dup	14
5039565 Orig	75
5039565 Dup	78
5039574 Orig	60
5039574 Dup	60
5039588 Orig	50
5039588 Dup	50
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A24-03507

Report Date: 26-Apr-24

Date Submitted: 27-Mar-24

Your Reference: pf16472

Government of Newfoundland

Dept of Mines and Energy Howley Building, Higgins Line

St. Johns NF A1B 4J6

Canada

ATTN: Chris Finch

CERTIFICATE OF ANALYSIS

210 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1G-Hg CV	QOP HgFIMS (Hg-Cold Vapour AA)	2024-04-23 13:25:30

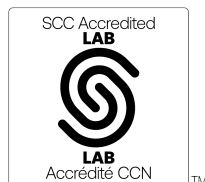
REPORT A24-03507

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Notes:

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

Refer to the Scope of
Accreditation for information
on accredited elements.



LabID: 266

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

CERTIFIED BY:

A handwritten signature in black ink, reading "Mark Vandergeest".

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5038956	52
5038957	38
5038958	49
5038959	33
5038960	27
5038961	100
5038962	165
5038963	62
5038964	121
5038965	57
5038966	50
5038967	77
5038968	23
5038969	95
5038970	37
5038971	44
5038972	74
5038973	13
5038974	33
5038975	< 5
5038976	16
5038977	< 5
5038978	< 5
5038979	< 5
5038980	< 5
5038990	17
5039021	26
5039022	53
5039024	37
5039025	31
5039026	103
5039033	19
5039034	18
5039038	35
5039039	37
5039040	16
5039043	28
5039044	43
5039045	19
5039046	15
5039047	32
5039048	57
5039049	61
5039050	18
5039051	29
5039052	49
5039053	20
5039054	69
5039055	51
5039056	73
5039057	71

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039058	41
5039059	7
5039060	28
5039061	< 5
5039062	13
5039063	72
5039064	80
5039065	24
5039067	32
5039068	58
5039070	23
5039071	82
5039072	19
5039073	7
5039074	22
5039075	29
5039076	18
5039077	90
5039078	80
5039079	42
5039080	7
5039081	76
5039082	42
5039083	28
5039084	61
5039085	19
5039086	13
5039087	17
5039088	25
5039089	45
5039090	19
5039091	< 5
5039092	57
5039093	11
5039094	13
5039095	58
5039096	10
5039097	274
5039098	32
5039099	39
5039100	15
5039101	9
5039103	24
5039104	9
5039105	8
5039106	15
5039107	21
5039108	25
5039109	18
5039110	20
5039111	16

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039112	54
5039113	< 5
5039114	7
5039115	33
5039116	24
5039117	15
5039118	8
5039119	22
5039120	29
5039121	33
5039122	18
5039123	24
5039124	12
5039125	17
5039126	16
5039127	13
5039128	33
5039129	43
5039130	8
5039131	11
5039132	14
5039133	54
5039134	12
5039135	17
5039136	17
5039137	25
5039138	9
5039140	8
5039141	14
5039142	35
5039143	12
5039144	14
5039145	12
5039146	33
5039147	57
5039148	58
5039149	11
5039150	10
5039151	23
5039152	13
5039153	125
5039154	20
5039155	53
5039156	11
5039157	104
5039158	48
5039159	25
5039160	16
5039161	23
5039162	27
5039163	19

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039164	88
5039165	25
5039166	52
5039167	34
5039168	17
5039170	53
5039173	24
5039174	82
5039175	137
5039176	47
5039177	25
5039178	36
5039179	33
5039180	31
5039181	23
5039182	47
5039183	37
5039184	46
5039185	63
5039187	31
5039188	28
5039189	40
5039191	16
5039192	16
5039193	18
5039194	8
5039195	15
5039196	56
5039197	19
5039198	12
5039199	43
5039200	7
5039201	60
5039202	36
5039203	62
5039204	7
5039205	55
5039206	8
5039208	23
5039209	46
5039210	56
5039211	8
5039212	< 5
5039213	28
5039214	25
5039215	36
5039216	101
5039217	17
5039218	45
5039219	19
5039221	36

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
5039226	20
5039227	17
5039228	17
5039229	36
5039230	18
5039231	17

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
OREAS 263 (Aqua Regia) Meas	184
OREAS 263 (Aqua Regia) Cert	170
OREAS 263 (Aqua Regia) Meas	187
OREAS 263 (Aqua Regia) Cert	170
OREAS 130 (Aqua Regia) Meas	696
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	670
OREAS 130 (Aqua Regia) Cert	670
OREAS 130 (Aqua Regia) Meas	683
OREAS 130 (Aqua Regia) Cert	670
Oreas 620 (Aqua Regia) Meas	2090
Oreas 620 (Aqua Regia) Cert	2140
Oreas 620 (Aqua Regia) Meas	2180
Oreas 620 (Aqua Regia) Cert	2140
Oreas 620 (Aqua Regia) Meas	2150
Oreas 620 (Aqua Regia) Cert	2140
Oreas 610 (Aqua Regia) Meas	821
Oreas 610 (Aqua Regia) Cert	800
OREAS 603c (Aqua Regia) Meas	1320
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 603c (Aqua Regia) Meas	1340
OREAS 603c (Aqua Regia) Cert	1350.00
OREAS 609b (Aqua Regia) Meas	531
OREAS 609b (Aqua Regia) Cert	520.00
OREAS 609b (Aqua Regia) Meas	538
OREAS 609b	520.00

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
(Aqua Regia) Cert	
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
OREAS 45h (Aqua Regia) Meas	24
OREAS 45h (Aqua Regia) Cert	24.000
5038961 Orig	99
5038961 Dup	101
5038979 Orig	< 5
5038979 Dup	< 5
5039047 Orig	32
5039047 Dup	32
5039068 Orig	59
5039068 Dup	58
5039082 Orig	41
5039082 Dup	44
5039093 Orig	11
5039093 Dup	11
5039107 Orig	20
5039107 Dup	21
5039123 Orig	24
5039123 Dup	24
5039136 Orig	17
5039136 Dup	17
5039149 Orig	11
5039149 Dup	12
5039166 Orig	52
5039166 Dup	52
5039193 Orig	17
5039193 Dup	19
5039201 Orig	60
5039201 Dup	60
5039216 Orig	102
5039216 Dup	101
Method Blank	< 5

Analyte Symbol	Hg
Unit Symbol	ppb
Lower Limit	5
Method Code	1G
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5