Annexe A

Sommaire exécutif

SOMMAIRE EXÉCUTIF

La propriété minière Shaakichiuwaanaan, appartenant à Ressources PMET inc. (PMET) et sa filiale québécoise Innova Lithium inc., est un projet de mise en valeur du lithium en cours de développement. La propriété est située au nord-est de Nemaska et à l'est de Radisson. La propriété est accessible par une route située approximativement au kilomètre 270 de la route Trans-Taiga.

Les seules activités présentement effectuées sur la propriété Shaakichiuwaanaan sont des travaux d'exploration minière. Un campement d'exploration est présent au kilomètre 270 de la route Trans-Taiga. Une route d'accès d'environ 15 km permet de se déplacer du camp d'exploration à la propriété. Le projet d'exploitation prévoit une fosse à ciel ouvert, une mine souterraine incluant une rampe d'accès et un portail, une usine de traitement du minerai, deux haldes à mort-terrain, deux haldes à matière organique, deux haldes à minerai (faible teneur et haute teneur), une halde à stériles à faible risque et une halde de co-placement des stériles et des résidus miniers prévue avec des mesures d'étanchéité.

Les principales étapes de restauration à la fermeture complète de la mine comprennent le démantèlement, par un entrepreneur certifié, des bâtiments et autres infrastructures de surface, de même que la mise à niveau, la scarification et la végétalisation des surfaces affectées. La halde à stériles à faible risque sera recouverte de matières organiques, puis revégétalisée. La halde de co-placement des stériles et des résidus miniers sera recouverte d'un système multicouche incluant une géomembrane, puis recouverte de matières organiques et revégétalisée par hydroensemencement. Les haldes à minerai n'entreposant plus de matériel à la fin de vie de la mine seront caractérisées, scarifiées et revégétalisées. Les bassins de décantation seront quant à eux vidés, remblayés et revégétalisés, les digues seront régalées et la superficie sera revégétalisée, à l'exception des bassins des haldes à stériles et à co-placement, pour lesquels les géomembranes seront retirées, puis une brèche sera créée dans la digue des bassins.

Il est prévu que les travaux de restauration décrits au paragraphe précédent s'échelonnent sur quatre (4) années suivant l'arrêt de l'exploitation minière et la fermeture de l'usine de traitement de minerai. Le suivi postrestauration est prévu sur une période de cinq (5) ans afin de respecter la Directive 019.

Les coûts de restauration, de même que le montant de la garantie financière, se chiffrent à **249 102 400 $ CA**, incluant les coûts indirects, les coûts de suivi et une contingence de 20 %.

Annexe B

Cartes et plans

B1. Localisation générale du site minier
B2. Plans – Aménagement général des infrastructures
B3. Titres miniers du territoire visé par le site minier
B4. Mesures d'arrêt temporaire des activités
B5. Plans et diagrammes de tuyauterie et d'instrumentation – Gestion des eaux et aires d'accumulation
B6. Plans – Bâtiments

B1. Localisation générale du site minier

-77°0,000′ -76°0,000′ -75°0,000′ -74°0,000′

53°54,000′ 53°12,000′ 52°30,000′

N

Radisson

Route Transtaïga

Route
Billy-Diamond



RESSOURCES PMET RESOURCES

PROJET MINIER SHAAKICHIUWAANAAN
RESSOURCES PMET INC.

Localisation générale du projet minier

★ Projet minier Shaakichiuwaanaan

Routes

Source:
Découpages administratifs : MRNF Québec, 2025
Photographie aérienne : © Bing Maps, 2025

Projet: 24-2164-0682

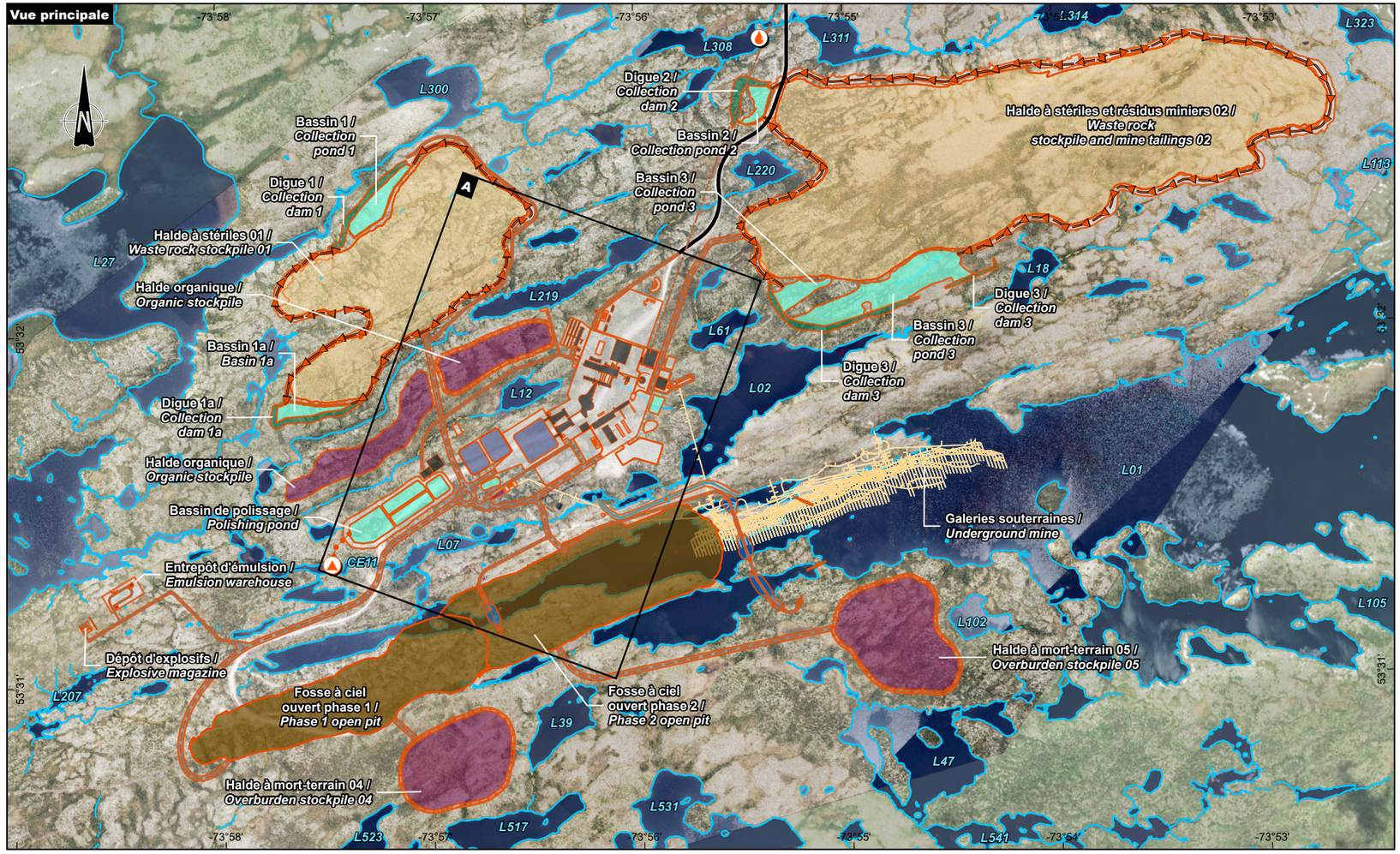
Réalisé par: William Beauregard
Vérifié par: Marianne Côté

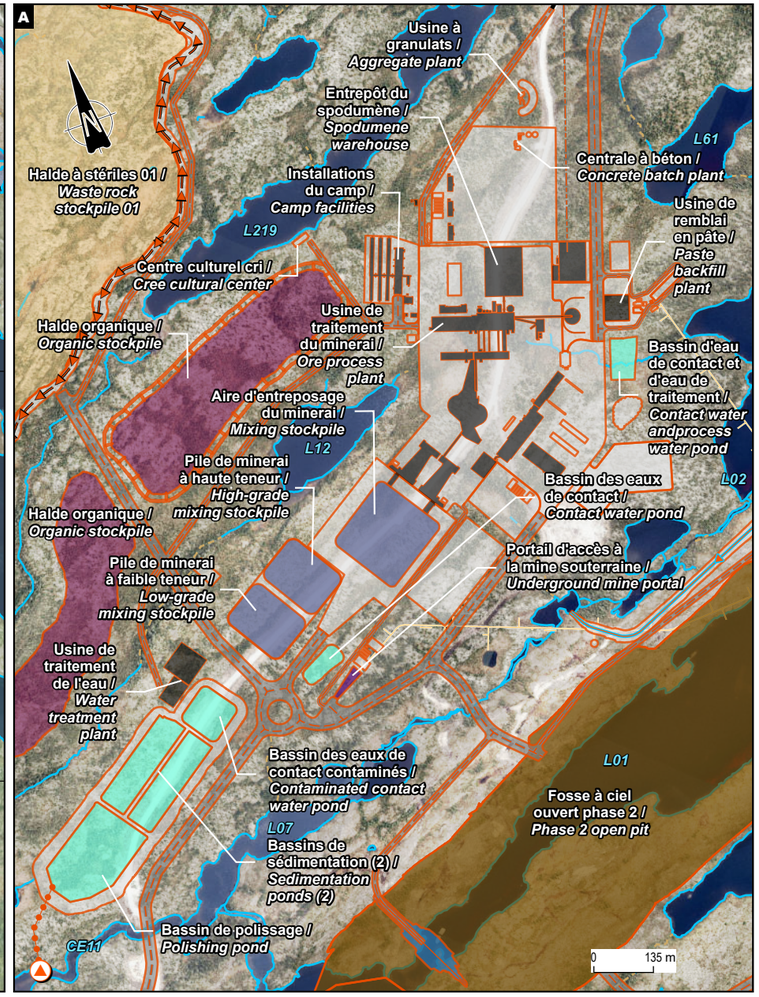
0 10 20 30 40 km
Projection MTM, zone 8, Nad83

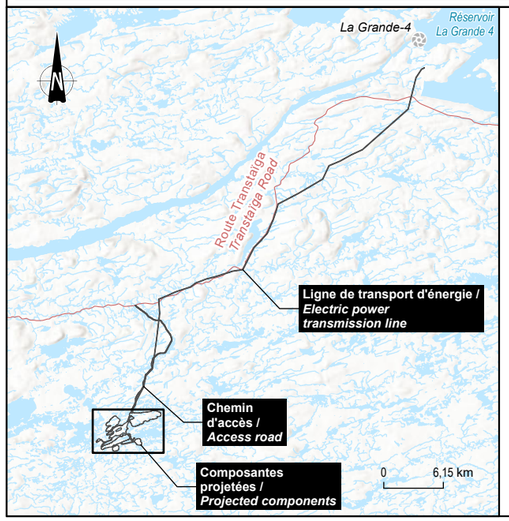
GCM ENVIRO SYNERGIES

Mars 2026 **Carte 1**

B2. Plans – Aménagement général des infrastructures







Zone d'étude / *Study Area*

Projet / *Project*

Composantes du projet / *Project Components*

Existante / *Existing*

Chemin d'accès / *Access road*

Projetées / *Projected*

Effluent minier / *Mining effluent*

Prise d'eau / *Water intake*

Barrage / *Dam*

Canal / *Channel*

Canal de dérivation / *Diversion Channel*

Chemin secondaire / *Secondary road*

Fossé / *Ditch*

Galerie souterraine / *Underground mine*

Ligne de transport d'énergie / *Power transmission line*

Aire d'entreposage du minerai mixte / *Mixed ore stockpile*

Autre / *Other*

Bâtiment ou équipement / *Building or equipment*

Digue / *Dam*

Bassin / *Basin*

Digue des bassins / *Basins dam*

Fosse / *Pit*

Halde à mort-terrain et organique / *Overburden stockpile*

Halde à stériles et/ou résidus / *Waste rock and/or tailings stockpile*

Portail d'accès à la mine souterraine / *Underground mine portal*

Voie de circulation / *Roadway*

Hydrographie / *Hydrography*

Plan d'eau / *Waterbody*

Cours d'eau / *Watercourses*

Intermittent / *Intermitent*

Permanent / *Permanent*

Souterrain / *Underground*

Projet minier Shaakichiuwaanaan / *Shaakichiuwaanaan Mining Project*

Étude d'impact sur l'environnement / *Environmental Impact Assessment*

Carte 5-1 / *Map 5-1*
Composantes du projet minier / *Mining Project Components*

Sources / Sources
SDA, 1/20 000, MERN, 2024-02
CanVec+, 1/50 000, RNCan, 2014
CanVec, 1/250 000, RNCan, 2017
BDGA, 1/1 000 000, MRN Québec, 2014
BDGA, 1/1 000 000, MRN Québec, 2002
AQréseau+, réseau routier, MERN, 2024-03-01
G Services Miniers, Composantes projetées, CASN-A-001-GE-SKE-0005-A, 2025

0 260 520 m
UTM, fuseau 18, NAD83 (CSRS)

2026-03-10

Préparation / Prepared by : M-H. Brisson
Dessin / Drawn by : J. Roy
Approbation / Approved by : M-H. Brisson
CA0001724_3318_eie_ch05_c01_02_260310.aprx
CA0001724_3318_eie_c05_01_087_infras_proj_260310

La précision des limites et les mesures montrées sur ce document ne doivent pas servir à des fins d'ingénierie ou de délimitation foncière. Aucune analyse foncière n'a été effectuée par un arpenteur-géomètre. / Boundary accuracy and measurements shown on this document are not intended for engineering or land delineation purposes. No land analysis has been performed by a land surveyor.

B3. Titres miniers du territoire visé par le site minier

-74°0,000′ -73°57,000′ -73°54,000′

53°33,600′ 53°32,400′ 53°31,200′ 53°30,000′

N

402904456 401707211 401707212 401707213 401707214

401707185 401707186 401707187 401707188 401707189 402904449 401707190 401707191 401707192

401707159 401707160 401707161 401707162 402904444 401707163 401707164 401707165 401707166 401707167

401707128 401707129 401707130 401707131 401707132 401707133 401707134 401707135 401707136 401707137 401707138

401707100 401707101 402904431 401707102 401707103 401707104 401707105 401707106 402904432 401707107 401707108 401707109

401675481 401675482 401675483 401675484 401675485 401707071 401707072 401707073 401707074 402904421 401707075 401707076 401707077 401707078 401707079 401707080 402904422 401707081 401707082 401707083 401707084

401675451 401675452 401675453 401675454 401675455 401707046 401707047 401707048 402904412 401707049 401707050 401707051 401707052 401707053 402904413 401707054 401707055 401707056 401707057 401707058 401707059

401675421 401675422 401675423 401675424 401675425 401707018 401707019 401707020 401707021 401707022 401707023 401707024 401707025 401707026 401707027 401707028 401707029 401707030 401707031 401707032 401707033

401675391 401675392 401675393 401675394 401675395 401706988 401706989 401706990 401706991 401706992 401706993 401706994 401706995 401706996 401706997 401706998 401706999 401707000 401707001 401707002

401674913 401674914 401674915 401674916 402566320 401696502 401696503

401674885 401674886 401674887 401674888 401674889 401696474

RESSOURCES PMET RESOURCES

PROJET MINIER SHAAKICHIUWAANAAN
RESSOURCES PMET INC.

Titres miniers reliés au projet

- Infrastructures minières
- Titres miniers

Source:
Titres miniers : Données GESTIM (MRNF), 2026
Infrastructures : G Mining Services, 2025 (CASN-A-001-GE-GA-0002_RevC)
Photographie aérienne : © Bing Maps, 2025

Projet: 24-2164-0682

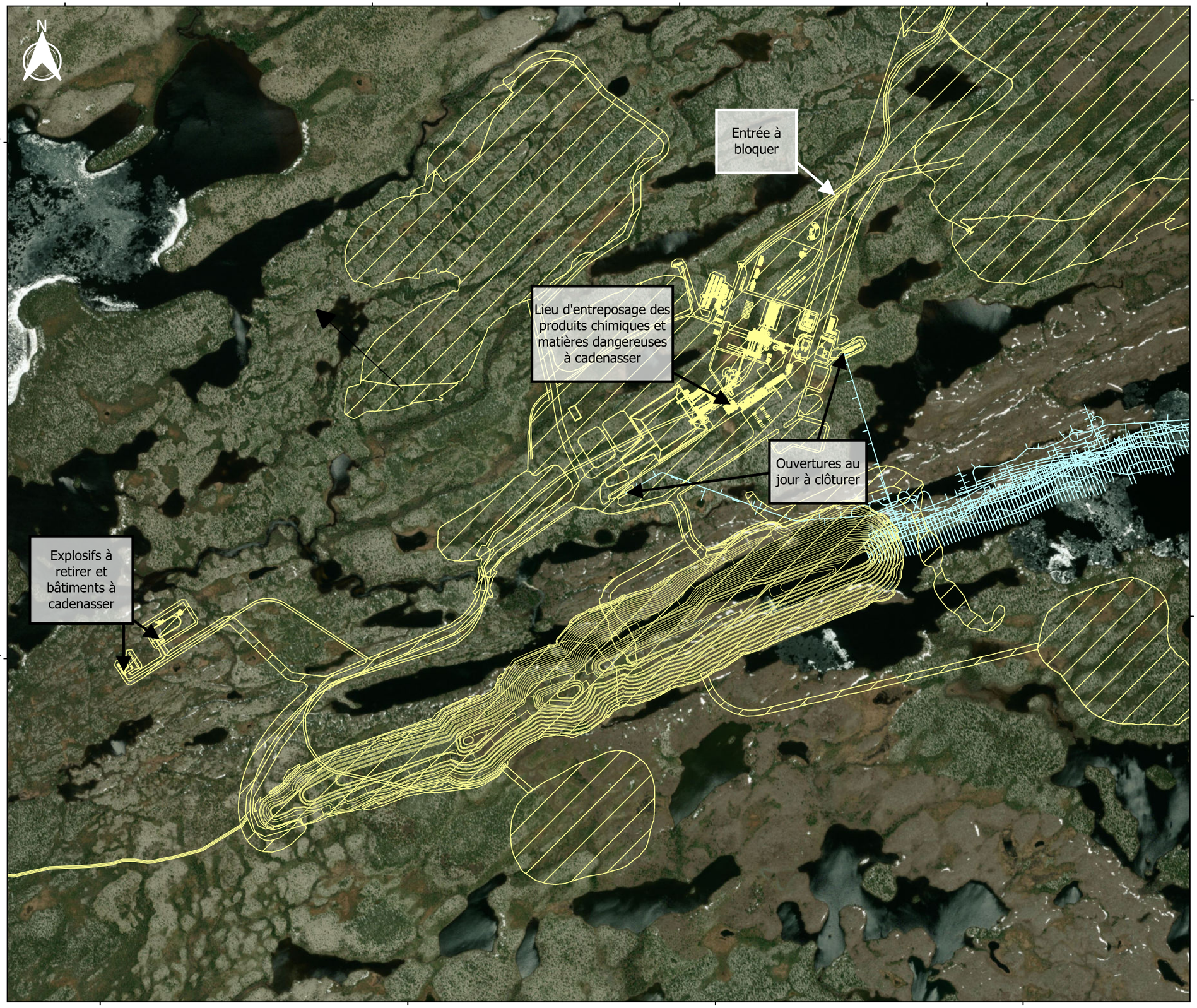
Réalisé par: William Beauregard
Vérifié par: Marianne Côté

0 300 600 900 1 200 1 500 m
Projection MTM, fuseau9, NAD83 (SCRS)

GCM ENVIRO SYNERGIES

Mars 2026 **Carte 2**

B4. Mesures d’arrêt temporaire des activités



RESSOURCES PMET RESOURCES

PROJET MINIER SHAAKICHIUWAANAAN
RESSOURCES PMET INC.

Mesures en cas d'arrêt temporaire des activités

- Infrastructures minières de surface
- Infrastructures minières souterraines

Source:
Infrastructures : G Mining Services, 2025 (CASN-A-001-GE-GA-0002_RevC)
Photographie aérienne : © Bing Maps, 2025

Projet: 24-2164-0682

Réalisé par: William Beauregard
Vérifié par: Marianne Côté

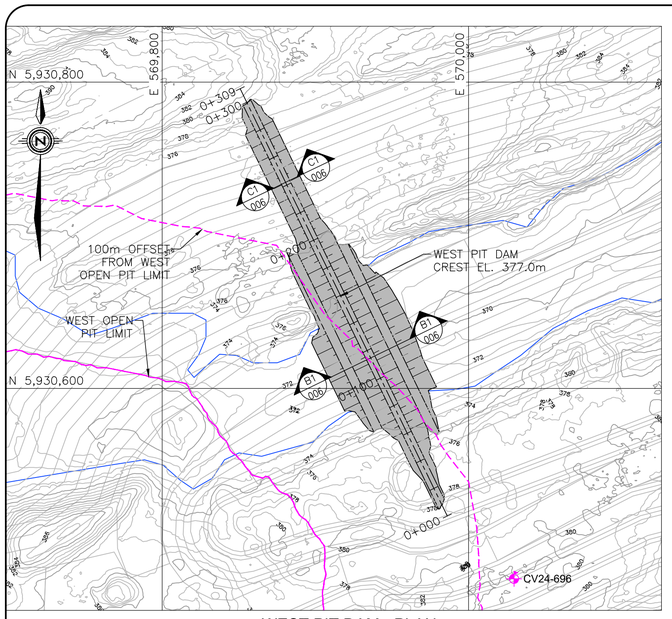
0 200 400 600 m
Projection MTM, fuseau9, NAD83 (SCRS)

GCM ENVIRO SYNERGIES

Mars 2026 **Carte 4**

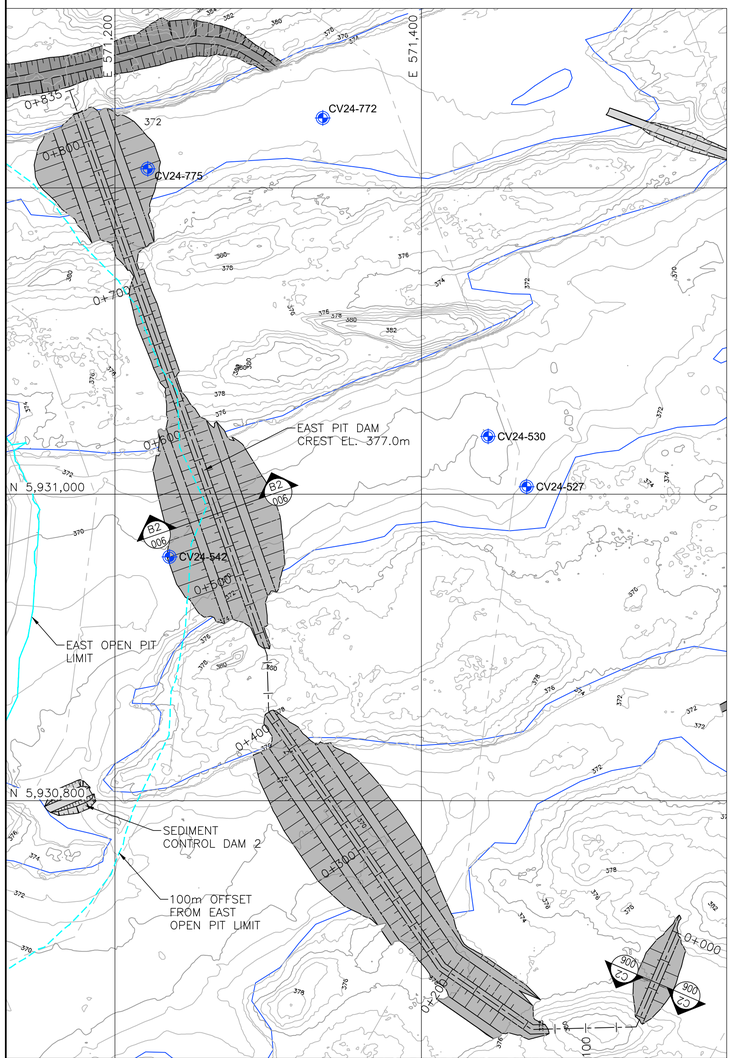
GCM
ENVIRO
SYNERGIES

B5. Plans et diagrammes de tuyauterie et d'instrumentation
Gestion des eaux et aires d'accumulation



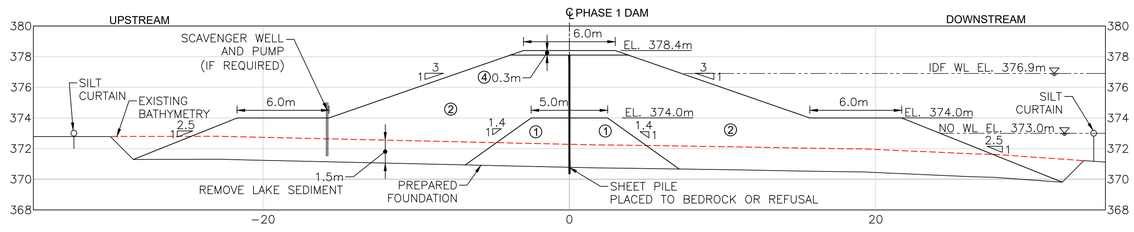
WEST PIT DAM - PLAN

SCALE=1:2000



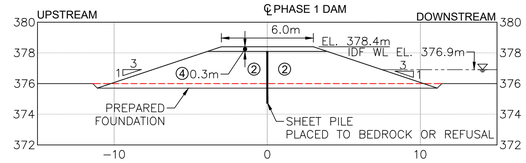
EAST PIT DAMS - PLAN

SCALE=1:2000



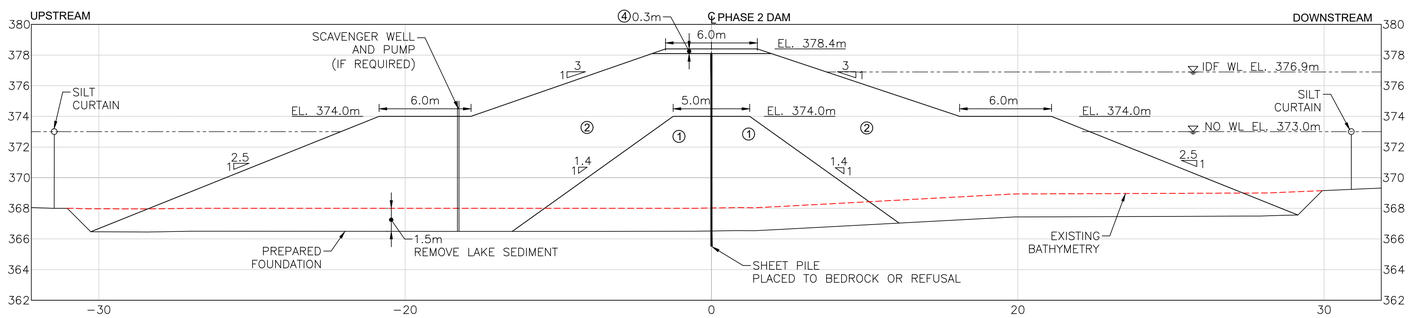
SECTION B1
WEST PIT DAM

SCALE=1:200



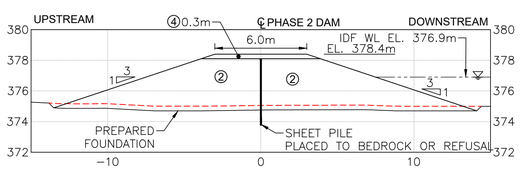
SECTION C1
WEST PIT DAM

SCALE=1:200



SECTION B2
EAST PIT DAM

SCALE=1:200



SECTION C2
EAST PIT DAM

SCALE=1:200

0 40 80 120m

SCALE= 1:2000

0 4 8 12m

SCALE= 1:200

NOTES

1. THE CO-ORDINATES, DIMENSIONS AND ELEVATIONS ARE IN METERS. ELEVATIONS ARE TIED TO MEAN SEA LEVEL. CO-ORDINATES ARE BASED ON UTM NAD83(CSRS) ZONE 18 METRIC GRID PROJECTION.
2. CONTOURS WERE DERIVED FROM LiDAR SURVEY FROM PATRIOT LiDAR DATED OCT 11, 2022.

LEGEND

CV24 - BOREHOLES FROM 2024 GORTECHNICAL INVESTIGATION

OBSERVATION WELL

MATERIALS

(1) CRUSHED STONE (-75mm)
(2) WASTE ROCK (-450mm)
(3) TILL / SAND BENTONITE CEMENT FILL
(4) GRANULAR B TYPE II
(5) FILTER / BEDDING SAND (-4.75mm)
(6) TRANSITION SAND AND GRAVEL (-26.5mm)
(7) RIP-RAP EROSION PROTECTION
(8) SAND / SILT (OVERBURDEN)
(9) CLEAR STONE (-19mm)
(G1) NON-WOVEN GEOTEXTILE (500g/m²)
(G2) NON-WOVEN NEEDLE PUNCHED GEOTEXTILE (300g/m²)
(GL) 1.5mm DOUBLE TEXTURED LLDPE GEOMEMBRANE

ATKINSRÉALIS #: 702381-0000-4GDD00-0008

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25/09/10
B	CLIENT REVIEW / COMMENT	A.C.	B.M.	25/07/28
A	INTERNAL REVIEW	A.C.	B.M.	25/04/12

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN:	P. ADDIS	25-09-10
DESSINATEUR/DRAWN:	M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED:	R. ALAM	25-09-10
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE:	AS SHOWN	DATE

PROJET/PROJECT:

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

TITLE
DYKES AND DIVERSION FOR LAKE 001
PLAN, SECTIONS AND DETAILS
-
-

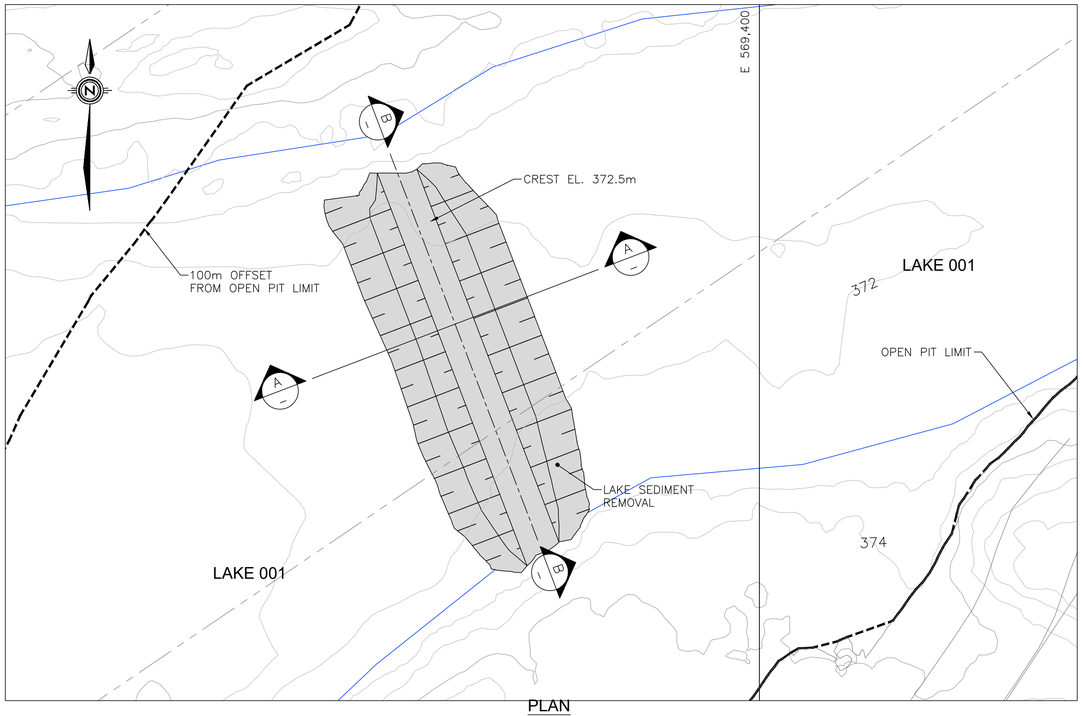
DESSIN NUM./DRAWING NO.: CASN - A

327 - WM - DWG - 0001 - C
AREA DISC. TYPE SEQ. REV.

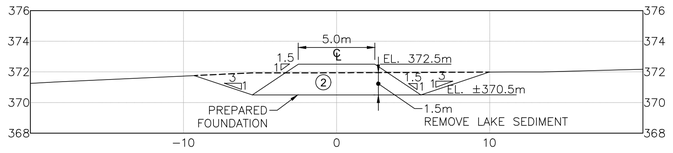
PAPER SIZE FORMAT: A1

SAVED ON: 25-10-20 12:34 PM BY Shea, Mark
PATH: C:\Users\SYKEM\OneDrive - Atkins\Rio\Shared Documents - 702381 PB Metals Sisaakchiwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-327-WM-DWG-0001_C.dwg

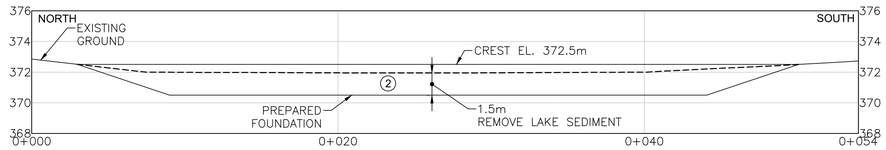
PAPER SIZE FORMAT : A1



PLAN
SEDIMENT CONTROL DAM 1
SCALE=1:500



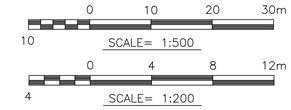
SECTION A
SCALE=1:200



SECTION B
SCALE=1:200

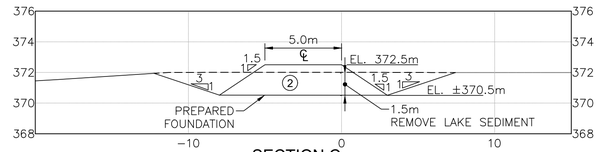
NOTES

1. THE CO-ORDINATES, DIMENSIONS AND ELEVATIONS ARE IN METERS. ELEVATIONS ARE TIED TO MEAN SEA LEVEL. CO-ORDINATES ARE BASED ON UTM NAD83(CSRS) ZONE 18 METRIC GRID PROJECTION.
2. CONTOURS WERE DERIVED FROM LiDAR SURVEY FROM PATRIOT LiDAR DATED OCT 11, 2022.
3. STRIP LAKE SEDIMENT CONSISTS OF LOOSE SANDY SILT (ML) AND SILTY SAND (SM)

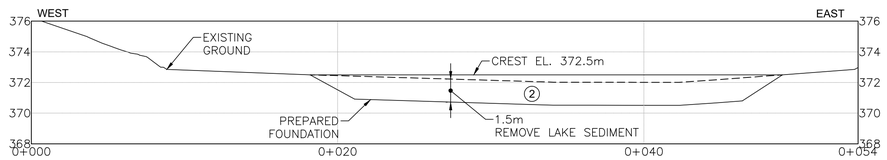


ATKINSRÉALIS #: 702381-0000-4GDD00-0009

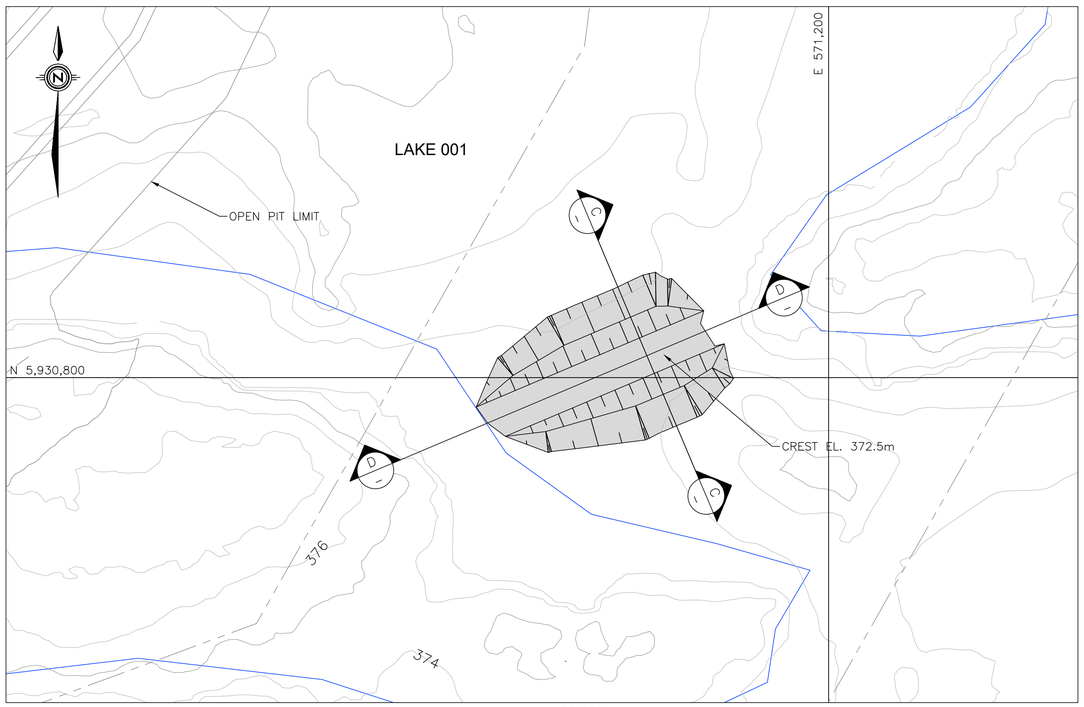
REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25/09/10
B	CLIENT REVIEW / COMMENT	A.C.	B.M.	25/07/28
A	INTERNAL REVIEW	A.C.	B.M.	25/04/12



SECTION C
SCALE=1:200



SECTION D
SCALE=1:200



PLAN
SEDIMENT CONTROL DAM 2
SCALE=1:400

MATERIALS

1. CRUSHED STONE (−75mm)
2. WASTE ROCK (−450mm)
3. TILL / SAND BENTONITE CEMENT FILL
4. GRANULAR B TYPE II
5. FILTER / BEDDING SAND (−4.75mm)
6. TRANSITION SAND AND GRAVEL (−26.5mm)
7A. RIP-RAP EROSION PROTECTION (D_{50}=200mm)
7B. RIP-RAP EROSION PROTECTION (D_{50}=300mm)
7C. RIP-RAP EROSION PROTECTION (D_{50}=400mm)
8. SAND / SILT (OVERBURDEN)
9. CLEAR STONE (−19mm)
G1. NON-WOVEN GEOTEXTILE (500g/m²)
G2. NON-WOVEN NEEDLE PUNCHED GEOTEXTILE (300g/m²)
GL. 1.5mm DOUBLE TEXTURED LLDPE GEOMEMBRANE

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN:	R. ALAM	
DESSINATEUR/DRAWN:	D. KRASNOV	25-05-20
VÉRIFIÉ PAR/CHECKED:	P. ADDIS	
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	
ÉCHELLE/SCALE:	AS SHOWN	DATE

PROJET/PROJECT:

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

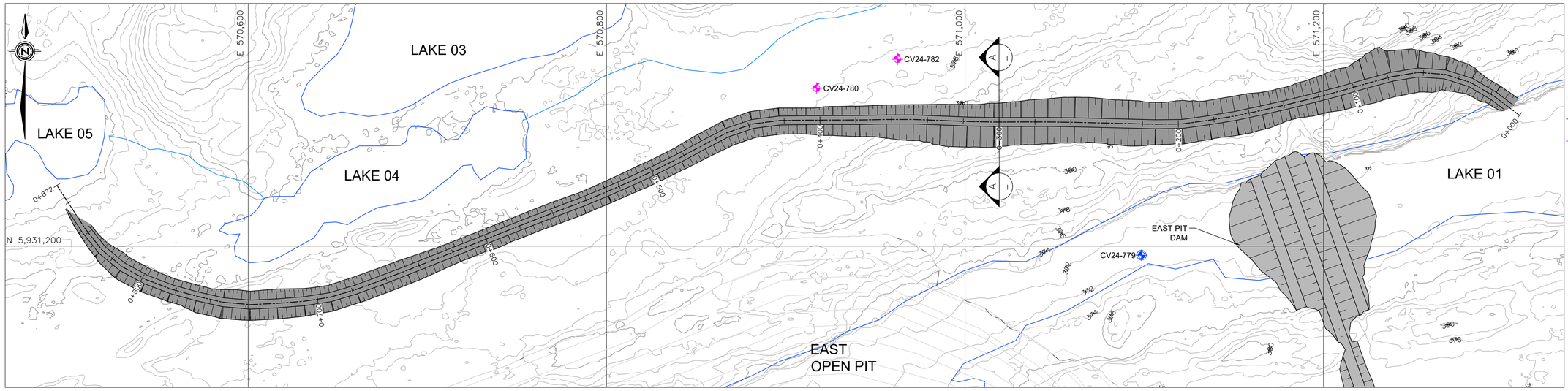
TITLE
SEDIMENT CONTROL DAM
FOR DEWATERED LAKE FOOTPRINT
PLAN AND SECTION
-

DESSIN NUM./DRAWING NO.: CASN - A

327 - WM - DWG - 0002 - C
AREA DISC. TYPE SEQ. REV.

SAVED ON: 25-09-09 3:23 PM BY Sylvie Mark
PATH: C:\Users\SYMARK\Desktop\Archive - AtkinsRéalis\Shared Documents - 702381 PB Metals Sisaakchuwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-327-WM-0WG-0002_C.dwg

PAPER SIZE FORMAT : A1



PLAN
SCALE=1:1250

NOTES

1. THE CO-ORDINATES, DIMENSIONS AND ELEVATIONS ARE IN METERS. ELEVATIONS ARE TIED TO MEAN SEA LEVEL. CO-ORDINATES ARE BASED ON UTM NAD83(CSRS) ZONE 18 METRIC GRID PROJECTION.
2. CONTOURS WERE DERIVED FROM LiDAR SURVEY FROM PATRIOT LiDAR DATED OCT 11, 2022.

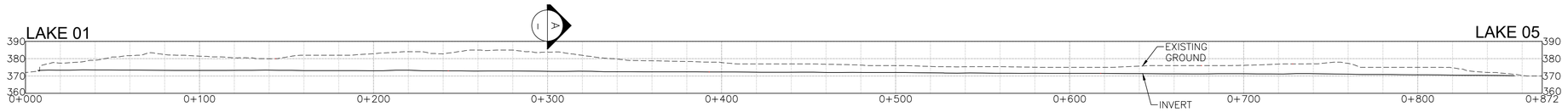
LEGEND

- CV24 - BOREHOLES FROM 2024 GORTECHNICAL INVESTIGATION
- OBSERVATION WELL

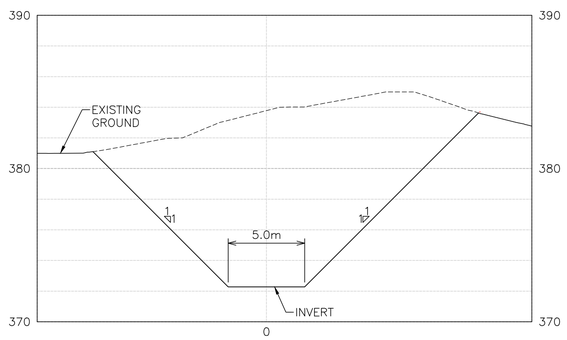
0 30 60 90m
SCALE= 1:1500

0 25 50 75m
SCALE= 1:1250

0 4 8 12m
SCALE= 1:200



PROFILE ALONG DIVERSION CHANNEL CENTERLINE
SCALE=1:1500



SECTION A
SCALE=1:200

MATERIALS

1. CRUSHED STONE (-75mm)
2. WASTE ROCK (-450mm)
3. TILL / SAND BENTONITE CEMENT FILL
4. GRANULAR B TYPE II
5. FILTER / BEDDING SAND (-4.75mm)
6. TRANSITION SAND AND GRAVEL (-26.5mm)
7A. RIP-RAP EROSION PROTECTION (D_{50}=200mm)
7B. RIP-RAP EROSION PROTECTION (D_{50}=300mm)
7C. RIP-RAP EROSION PROTECTION (D_{50}=400mm)
8. SAND / SILT (OVERBURDEN)
9. CLEAR STONE (-19mm)
G1. NON-WOVEN GEOTEXTILE (500g/m²)
G2. NON-WOVEN NEEDLE PUNCHED GEOTEXTILE (300g/m²)
GL. 1.5mm DOUBLE TEXTURED LLDPE GEOMEMBRANE

ATKINSRÉALIS #: 702381-0000-4GDD00-0010

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25/09/10
B	CLIENT REVIEW / COMMENT	A.C.	B.M.	25/07/28
A	INTERNAL REVIEW	A.C.	B.M.	25/04/12

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN:	R. ALAM	25-09-10
DESSINATEUR/DRAWN:	M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED:	P. ADDIS	25-09-10
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE:	AS SHOWN	DATE

PROJET/PROJECT:

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

TITLE
DIVERSION DITCH

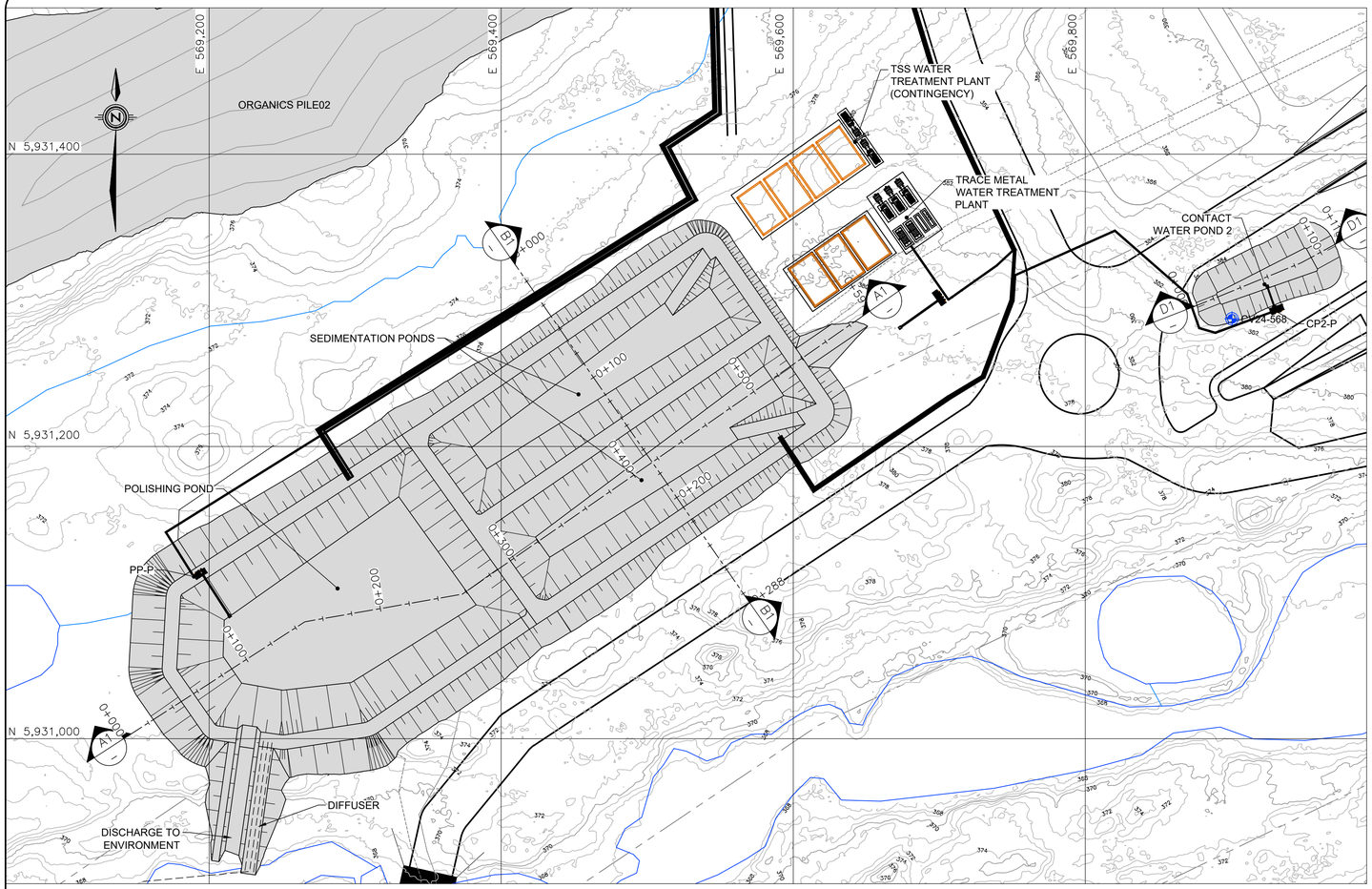
PLAN, PROFILE AND SECTION
-

DESSIN NUM./DRAWING NO.: CASN - A

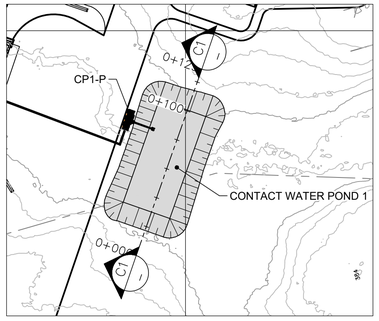
327 - WM - DWG - 0003 - C
AREA DISC. TYPE SEQ. REV.

SAVED ON: 25-10-01 12:09 PM BY Silvio, Mak
PATH: C:\Users\SYKEM\Desktop\New folder\Patriot\Shared Documents - 702381 PB Metals Shaakichiwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-327-WM-DWG-0003_C.dwg

PAPER SIZE FORMAT : A1



WATER MANAGEMENT PONDS - PLAN
SCALE=1:2000



WATER MANAGEMENT PONDS - PLAN
SCALE=1:2000

NOTES

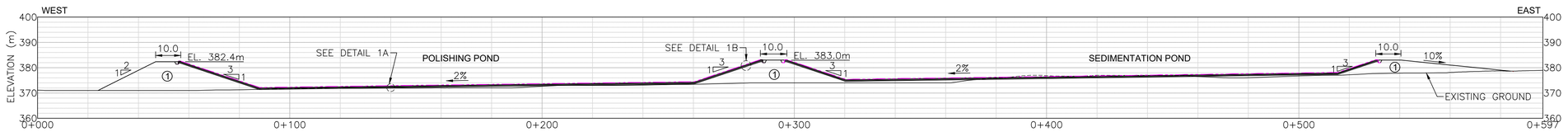
1. THE CO-ORDINATES, DIMENSIONS AND ELEVATIONS ARE IN METERS. ELEVATIONS ARE TIED TO MEAN SEA LEVEL. CO-ORDINATES ARE BASED ON UTM NAD83(CSRS) ZONE 18 METRIC GRID PROJECTION.
2. CONTOURS WERE DERIVED FROM LIDAR SURVEY FROM PATRIOT LIDAR DATED OCT 11, 2022.

LEGEND

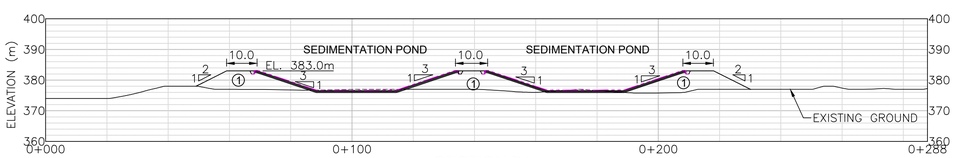
- CV24 - BOREHOLES FROM 2024 GORTECHNICAL INVESTIGATION
- OBSERVATION WELL

0 40 80 120m
40 SCALE= 1:2000

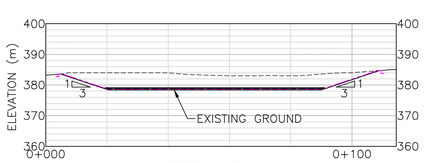
0 20 40 60m
20 SCALE= 1:1000



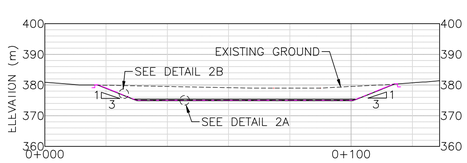
SECTION A1
SCALE=1:1000



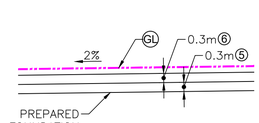
SECTION B1
SCALE=1:1000



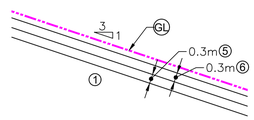
SECTION D1
SCALE=1:1000



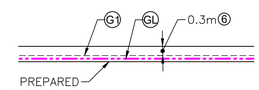
SECTION A1
SCALE=1:1000



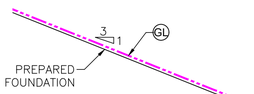
DETAIL 1A
WATER MANAGEMENT POND FLOOR
SCALE=1:100



DETAIL 1B
WATER MANAGEMENT POND SLOPE
SCALE=1:100



DETAIL 2A
CONTACT WATER POND FLOOR
SCALE=1:100



DETAIL 2B
CONTACT WATER POND SLOPE
SCALE=1:100

MATERIALS

1. CRUSHED STONE (-75mm)
2. WASTE ROCK (-450mm)
3. TILL / SAND BENTONITE CEMENT FILL
4. GRANULAR B TYPE II
5. FILTER / BEDDING SAND (-4.75mm)
6. TRANSITION SAND AND GRAVEL (-26.5mm)
7A. RIP-RAP EROSION PROTECTION (D_{50}=200mm)
7B. RIP-RAP EROSION PROTECTION (D_{50}=300mm)
7C. RIP-RAP EROSION PROTECTION (D_{50}=400mm)
8. SAND / SILT (OVERBURDEN)
9. CLEAR STONE (-19mm)
G1. NON-WOVEN GEOTEXTILE (500g/m²)
G2. NON-WOVEN NEEDLE PUNCHED GEOTEXTILE (300g/m²)
GL. 1.5mm DOUBLE TEXTURED LLDPE GEOMEMBRANE

ATKINSRÉALIS #: 702381-0000-4GDD00-0011

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25/09/10
B	CLIENT REVIEW / COMMENT	A.C.	B.M.	25/07/28
A	INTERNAL REVIEW	A.C.	B.M.	25/04/12

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN:	P. ADDIS	25-09-10
DESSINATEUR/DRAWN:	M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED:	R. ALAM	25-09-10
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE:	AS SHOWN	DATE

PROJET/PROJECT:

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

TITLE
WATER TREATMENT PONDS
PLANS, SECTIONS AND DETAILS
-
-

DESSIN NUM./DRAWING NO.: CASN - A

320 - WM - DWG - 0004 - C
AREA DISC. TYPE SEQ. REV.

SAVED ON: 25-10-07 7:46 PM BY: Sykes, Mark
PATH: C:\Users\SYKEM\Desktop - Autodesk\Autodesk Shared Documents - 702381 PB Metals Stuaakchiwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-327-WM-DWG-0004_C.dwg

PAPER SIZE FORMAT : A1

E 568,000
E 569,000
E 570,000
E 571,000
N 5,933,000
N 5,932,000

LAKE 334 EL. ±375
LAKE 300 EL. ±373
LAKE 309 EL. ±376
LAKE 301 EL. ±374
LAKE 305 EL. ±380
LAKE 302 EL. ±376
LAKE 306 EL. ±392
LAKE 605 EL. ±365
LAKE 223 EL. ±36
LAKE 219 EL. ±389
LAKE 217 EL. ±377
LAKE 216 EL. ±377
LAKE 218 EL. ±370
LAKE 218 EL. ±367
LAKE 212 EL. ±371
LAKE 10 EL. ±366
LAKE 12 EL. ±380
LAKE 03 EL. ±374
LAKE 05 EL. ±370
LAKE 04 EL. ±374
LAKE 06 EL. ±370
LAKE 09 EL. ±369
LAKE 07 EL. ±367
LAKE 01 EL. ±373

PROPOSED SPILLWAY LOCATION (TYP.)
COLLECTION DAM 1 CREST EL. 373.0m
COLLECTION DAM 1A CREST EL. 378.0m
COLLECTION DITCH 01-01
COLLECTION DITCH 01-02
STOCKPILE01
ORGANICS PILE 01
ORGANICS PILE 02
3.25H:1V
3.25H:1V (AVG. GLOBAL SLOPE)
5H:1V
CAMP
PROCESS PLANT
CONTACT WATER POND 1
CONTACT WATER POND 2
TSS WATER TREATMENT PLANT (CONTINGENCY)
TRACE METAL WATER TREATMENT PLANT
SEDIMENTATION PONDS
POLISHING POND
DIFFUSER

CV24-557
CV24-658
CV24-656
CV24-653
CV24-560
CV24-580
CV24-553
CV24-552
CV24-548
CV24-673
CV24-665
CV24-670
CV24-544
CV24-729
CV24-657
CV24-673
CV24-537
CV24-547
CV24-562
CV24-782
CV24-780
CV24-779

0+000
0+200
0+400
0+600
0+800
0+862

NOTES

1. THE CO-ORDINATES, DIMENSIONS AND ELEVATIONS ARE IN METERS. ELEVATIONS ARE TIED TO MEAN SEA LEVEL. CO-ORDINATES ARE BASED ON UTM NAD83(CSRS) ZONE 18 METRIC GRID PROJECTION.
2. CONTOURS WERE DERIVED FROM LiDAR SURVEY FROM PATRIOT LiDAR DATED OCT 11, 2022.

LEGEND

CV24 - BOREHOLES FROM 2024 GORTECHNICAL INVESTIGATION

OBSERVATION WELL

ATKINSRÉALIS #: 702381-0000-4GDD00-0003

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25-09-10
B	ISSUED FORCLIENT REVIEW	P.A.	B.M.	25-04-10
A	ISSUED FOR INTERNAL REVIEW	P.A.	B.M.	25-01-10

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN:	P. ADDIS	25-09-10
DESSINATEUR/DRAWN:	M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED:	R. ALAM	25-09-10
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE:	1:5,000	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

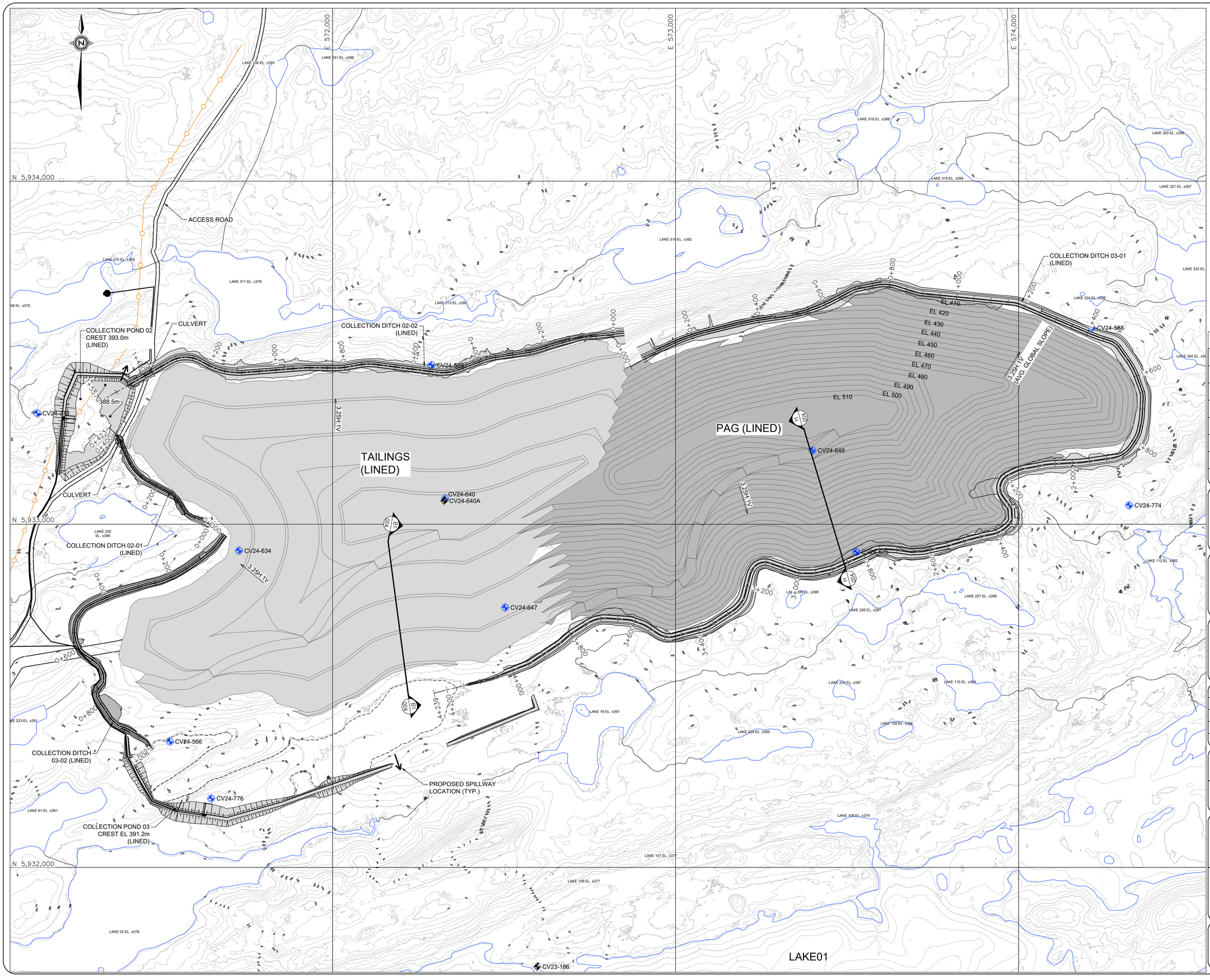
TITLE
STOCKPILE 001, ORGANICS PILES AND WATER MANAGEMENT AT INDUSTRAIL AREA PLAN
-

DESSIN NUM./DRAWING NO.: CASN - A

370	GT	DWG	0001	C
AREA	DISC.	TYPE	SEQ.	REV.

SAVED ON: 25-10-02 12:29 PM BY Sykes, Mark
PATH: C:\Users\SYKES\Desktop\Work\Atkins Shared Documents - 702381 PB Metals Shaakichiuwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-370-GT-DWG-0001_C.dwg

PAPER SIZE FORMAT: A1



NOTES

1. THE CO–ORDINATES, DIMENSIONS AND ELEVATIONS ARE IN METERS. ELEVATIONS ARE TIED TO MEAN SEA LEVEL. CO–ORDINATES ARE BASED ON UTM NAD83(CSRS) ZONE 18 METRIC GRID PROJECTION.
2. CONTOURS WERE DERIVED FROM LiDAR SURVEY FROM PATRIOT LiDAR DATED OCT 11, 2022.

LEGEND

- CV24 - BOREHOLES FROM 2024 GORTECHNICAL INVESTIGATION
- OBSERVATION WELL

0 100 200 300m

100 SCALE= 1:5000

ATKINSRÉALIS #: 702381-0000-4GDD00-0004

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	P.A.	B.M.	25-09-10
B	ISSUED FOR PROJECT REVIEW/APPROVAL/COMMENTS	P.A.	B.M.	25-01-24
A	ISSUED FOR INTERNAL REVIEW	P.A.	B.M.	25-01-10

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN: P. ADDIS	25-09-10
DESSINATEUR/DRAWN: M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED: R. ALAM	25-09-10
INGÉNIEUR/ENGINEER: B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE: 1:5,000	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

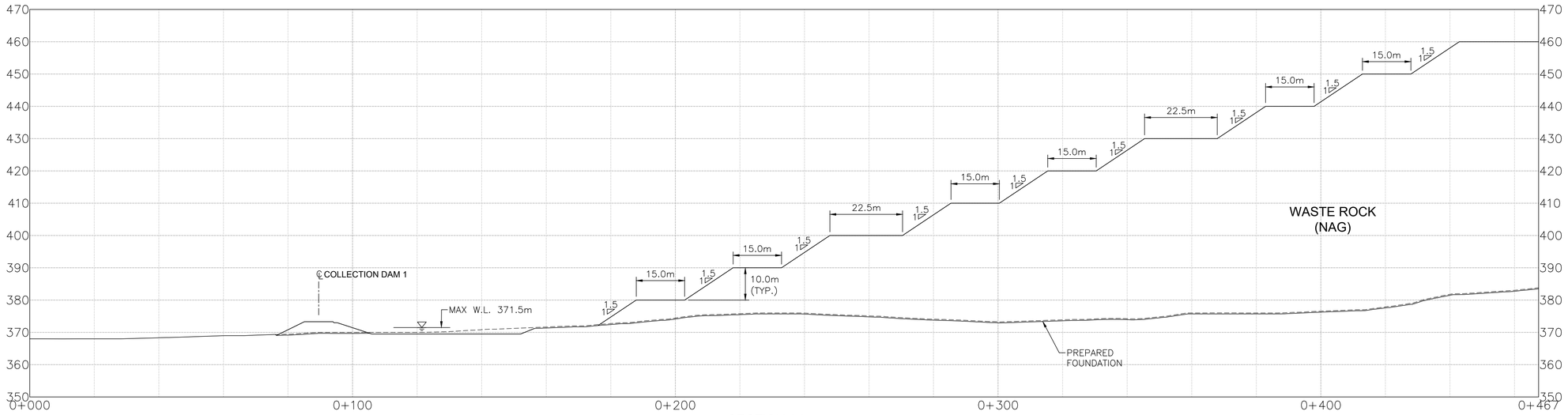
TITLE
STOCKPILE 002
PLAN
-
-

DESSIN NUM./DRAWING NO.: CASN – A

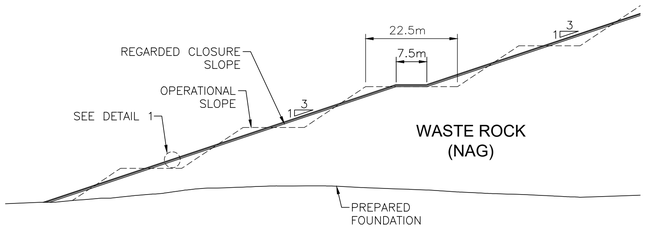
370	GT	DWG	0002	C
AREA	DISC.	TYPE	SEQ.	REV.

SAVED ON: 25-10-01 12:25 PM BY Shea, Mark
PATH: C:\Users\SVKEM\Desktop\Archive_F Atkins\Mark\Shared Documents - 702381 PB Metals Shaakichiuwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-370-GT-DWG-0002_C.dwg

PAPER SIZE FORMAT : A1



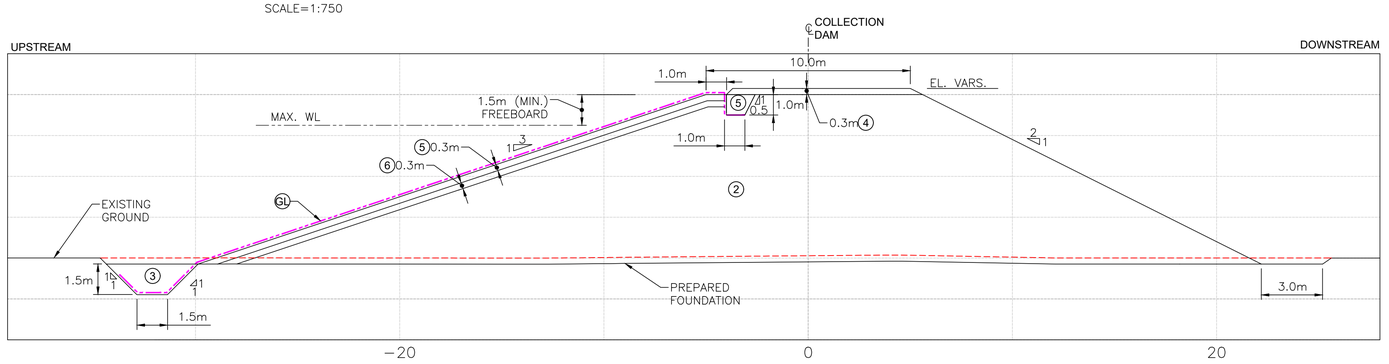
SECTION A1
STOCKPILE01 WASTE ROCK - OPERATION
SCALE=1:750



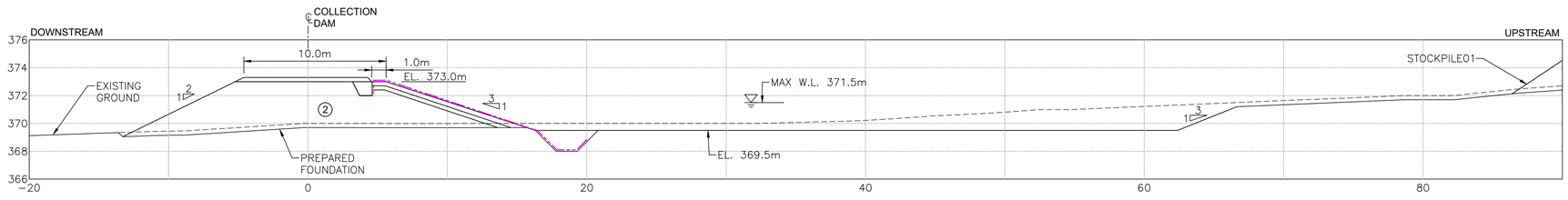
TYPICAL STOCKPILE01 SECTION CLOSURE
SCALE=1:750



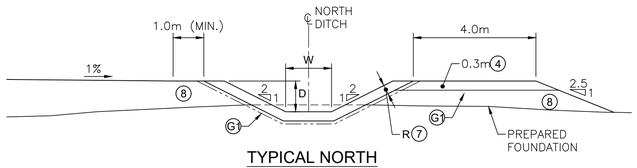
DETAIL 1 CLOSURE
SCALE=1:100



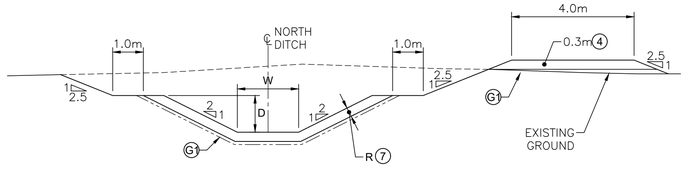
TYPICAL COLLECTION POND DAM SECTION
POND 1 AND 1A
SCALE=1:150



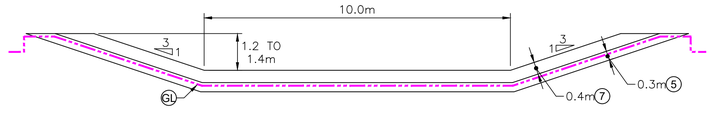
TYPICAL COLLECTION POND DAM SECTION
POND 1
SCALE=1:200



TYPICAL NORTH COLLECTION DITCH
SCALE=1:100

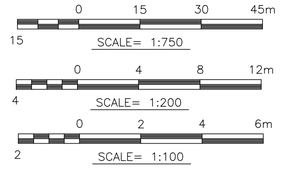


TYPICAL NORTH COLLECTION DITCH
SCALE=1:100



TYPICAL SPILLWAY SECTION
SCALE=1:100

DITCH	CHAINAGE START	CHAINAGE END	WIDTH (W)	DEPTH (D)	RIPRAP THICKNESS (R)
01–01	1+482	0+910	1.5 m	1.2 m	300 mm
	0+910	0+718			450 mm
	0+718	0+688			300 mm
	0+688	0+000	2.0 m	1.0 m	
01–02	0+000	0+846	1.5 m	1.0 m	300 mm
01A–01	0+000	1+068	2.0 m	1.0 m	300 mm
01A–02	0+000	0+863	1.5 m	1.0 m	300 mm



MATERIALS

1. CRUSHED STONE (–75mm)
2. WASTE ROCK (–450mm)
3. TILL / SAND BENTONITE CEMENT FILL
4. GRANULAR B TYPE II
5. FILTER / BEDDING SAND (–4.75mm)
6. TRANSITION SAND AND GRAVEL (–26.5mm)
7. RIP–RAP EROSION PROTECTION
8. SAND / SILT (OVERBURDEN)
9. CLEAR STONE (–19mm)

G1. NON–WOVEN GEOTEXTILE (500g/m²)
G2. NON–WOVEN NEEDLE PUNCHED GEOTEXTILE (300g/m²)
GL. 1.5mm DOUBLE TEXTURED LLDPE GEOMEMBRANE

ATKINSRÉALIS #: 702381-0000-4GDD00-0005

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25-09-10
B	ISSUED FORCLIENT REVIEW	P.A.	B.M.	25-04-10
A	ISSUED FOR INTERNAL REVIEW	P.A.	B.M.	25-01-10

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN:	P. ADDIS	25-09-10
DESSINATEUR/DRAWN:	M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED:	R. ALAM	25-09-10
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE:	AS SHOWN	DATE

PROJET/PROJECT:

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

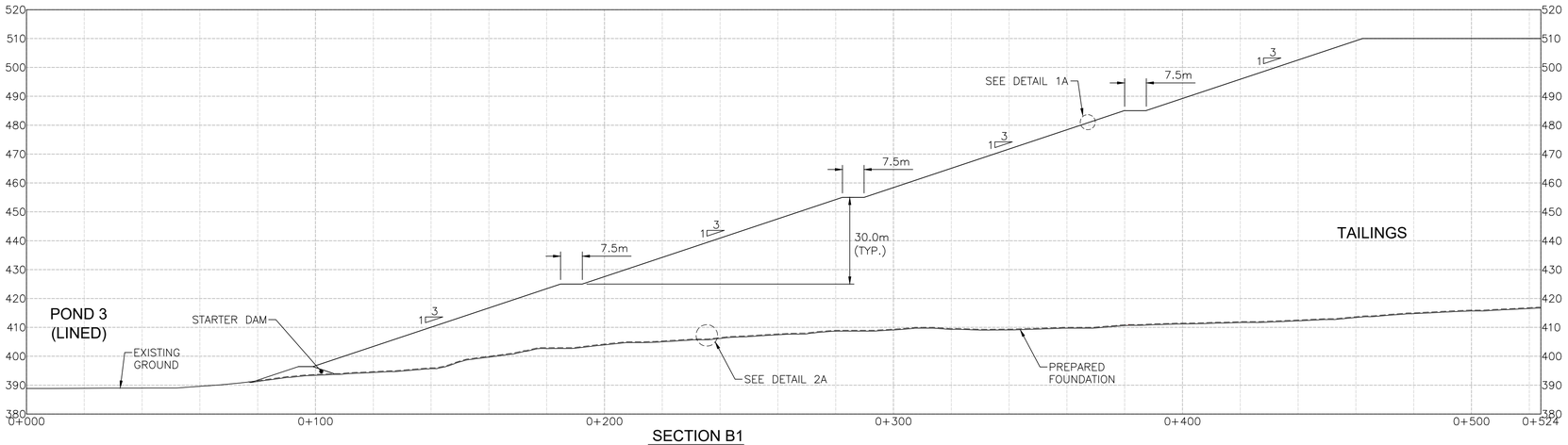
TITLE
STOCKPILE AND WATER MANAGEMENT
SECTIONS AND DETAILS
1 OF 2
-

DESSIN NUM./DRAWING NO.: CASN – A

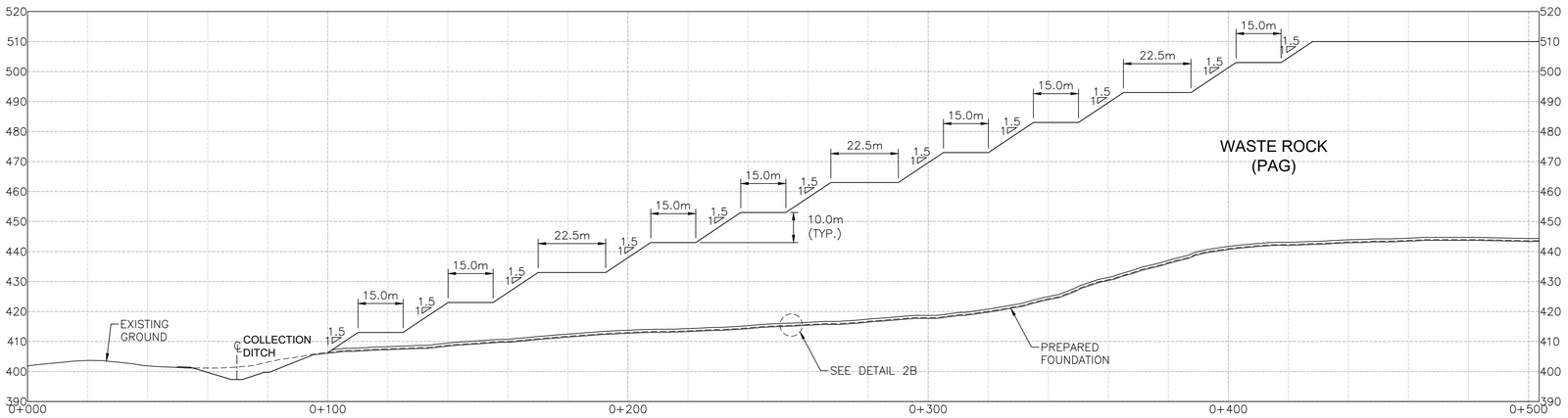
370	GT	DWG	0003	C
AREA	DISC.	TYPE	SEQ.	REV.

SAVED ON: 25-09-09 3:12 PM BY Sykes, Mark
PATH: C:\Users\SYKESM\OneDrive - AtkinsRéalis\Shared Documents - 702381 PB Metals Shaakichiwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-370-GT-DWG-0003_C.dwg

PAPER SIZE FORMAT : A1



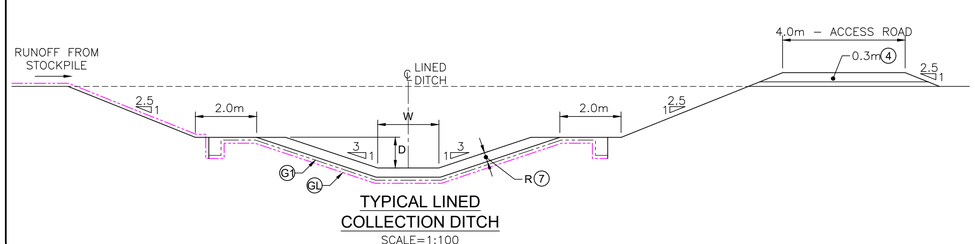
SECTION B1
STOCKPILE02 - TAILINGS - OPERATION
SCALE=1:1000



SECTION H
STOCKPILE02 - PAG - OPERATION
SCALE=1:1000

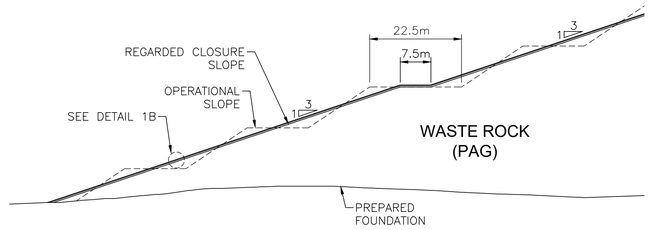


TYPICAL COLLECTION POND SECTION
LINED POND
SCALE=1:200

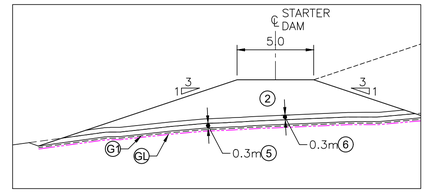


TYPICAL LINED
COLLECTION DITCH
SCALE=1:100

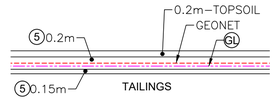
DITCH	CHAINAGE START	CHAINAGE END	WIDTH (W)	DEPTH (D)	RIPRAP THICKNESS (R)
02−01	0+000	0+423	2.5 m	1.2 m	300 mm
02−02	0+000	0+515	1.5 m	1.1 m	300 mm
	0+516	1+557	3.0 m	1.3 m	
03−01	0+000	0+508	2.0 m	1.2 m	300 mm
	0+508	0+706			450 mm
	0+706	1+786		1.5 m	300 mm
	1+786	4+036	3.0 m	2.2 m	
	4+036	4+239	5.0 m		
03−02	0+000	0+578	2.0 m	1.1 m	300 mm
	0+578	0+647			450 mm
	0+647	1+006			300 mm



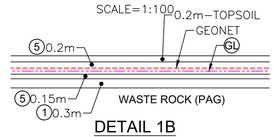
TYPICAL STOCKPILE01 SECTION
CLOSURE
SCALE=1:750



TYPICAL STARTER DAM
SCALE=1:200



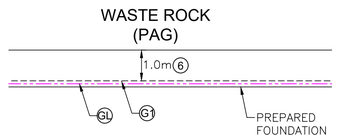
DETAIL 1A
CLOSURE-TAILINGS
SCALE=1:100



DETAIL 1B
CLOSURE-WASTE ROCK (PAG)
SCALE=1:100



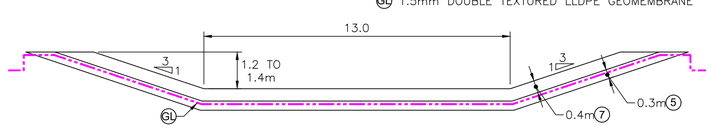
DETAIL 2A
BASIN GEOMEMBRANE - TAILINGS
SCALE=1:100



DETAIL 2B
BASIN GEOMEMBRANE - WASTEROCK (PAG)
SCALE=1:100

1. CRUSHED STONE (−75mm)
2. WASTE ROCK (−450mm)
3. TILL / SAND BENTONITE CEMENT FILL
4. GRANULAR B TYPE II
5. FILTER / BEDDING SAND (−4.75mm)
6. TRANSITION SAND AND GRAVEL (−26.5mm)
7. RIP−RAP EROSION PROTECTION
8. SAND / SILT (OVERBURDEN)
9. CLEAR STONE (−19mm)

G1 NON−WOVEN GEOTEXTILE (500g/m²)
G2 NON−WOVEN NEEDLE PUNCHED GEOTEXTILE (300g/m²)
GL 1.5mm DOUBLE TEXTURED LLDPE GEOMEMBRANE



TYPICAL SPILLWAY SECTION
SCALE=1:100

SCALE= 1:1000
SCALE= 1:200
SCALE= 1:100

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25-09-10
B	ISSUED FORCLIENT REVIEW	P.A.	B.M.	25-04-10
A	ISSUED FOR INTERNAL REVIEW	P.A.	B.M.	25-01-10

ATKINSRÉALIS #: 702381-0000-4GDD00-0006

CONCEPTEUR/DESIGN:	P. ADDIS	25-09-10
DESSINATEUR/DRAWN:	M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED:	R. ALAM	25-09-10
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE:	AS SHOWN	DATE

PROJET/PROJECT:

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

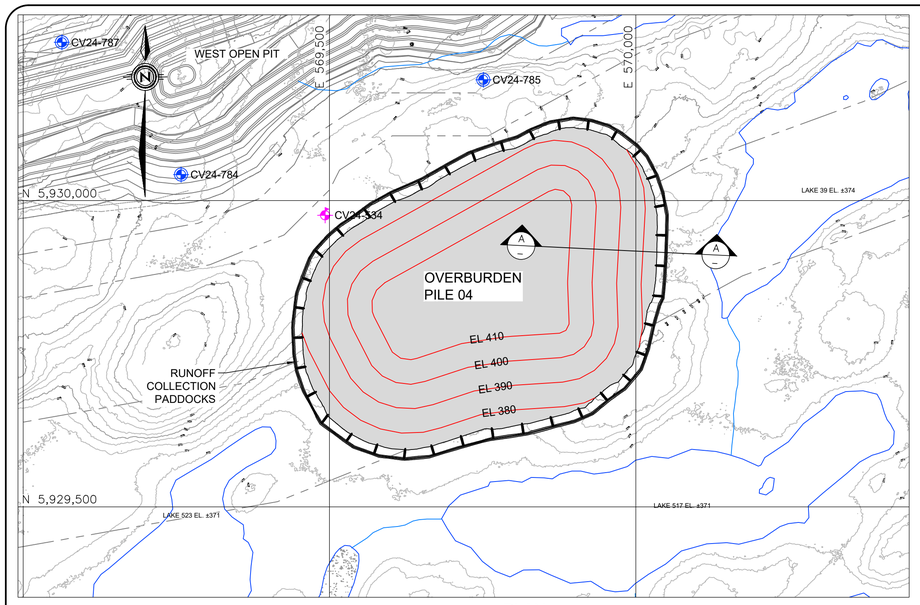
TITRE:
-
-
-
-

TITLE
STOCKPILE AND WATER MANAGEMENT SECTIONS AND DETAILS
2 OF 2
-

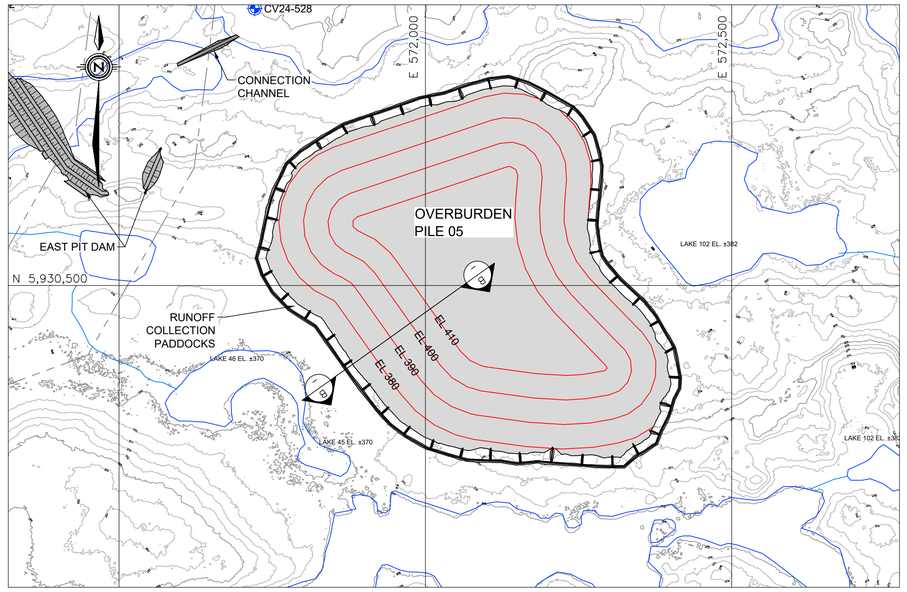
DESSIN NUM./DRAWING NO.: CASN − A

370 − GT − DWG − 0004 − C
AREA DISC. TYPE SEQ. REV.

SAVED ON: 25-09-09 3:15 PM BY Sykes, Mark
PATH: C:\Users\SYKESM\OneDrive - AtkinsRéalis\Shared Documents - 702381 PB Metals Shaakichiuwaanan project\40_Engineering\00_Drawings\0000\CASN-A-370-GT-DWG-0004_C.dwg



PLAN
OVERBURDEN PILE 04
SCALE=1:5000



PLAN
OVERBURDEN PILE 04
SCALE=1:5000

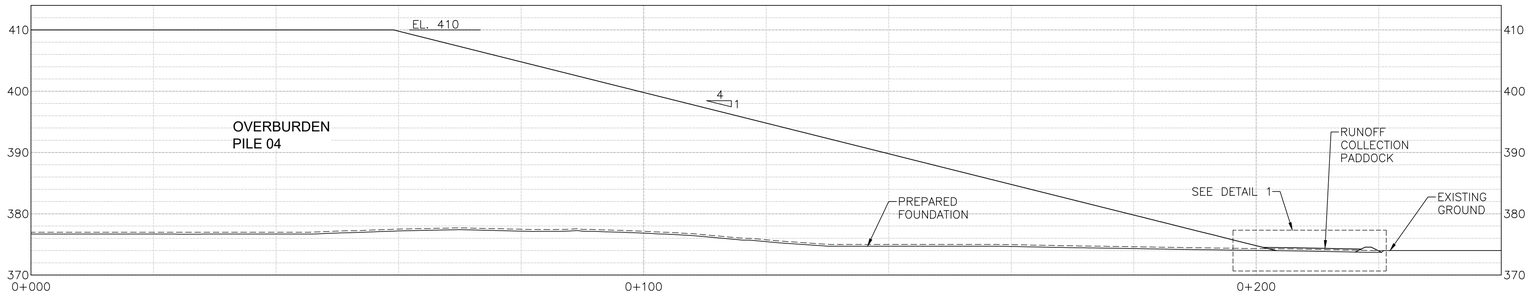
NOTES

1. THE CO-ORDINATES, DIMENSIONS AND ELEVATIONS ARE IN METERS. ELEVATIONS ARE TIED TO MEAN SEA LEVEL. CO-ORDINATES ARE BASED ON UTM NAD83(CSRS) ZONE 18 METRIC GRID PROJECTION.
2. CONTOURS WERE DERIVED FROM LiDAR SURVEY FROM PATRIOT LiDAR DATED OCT 11, 2022.

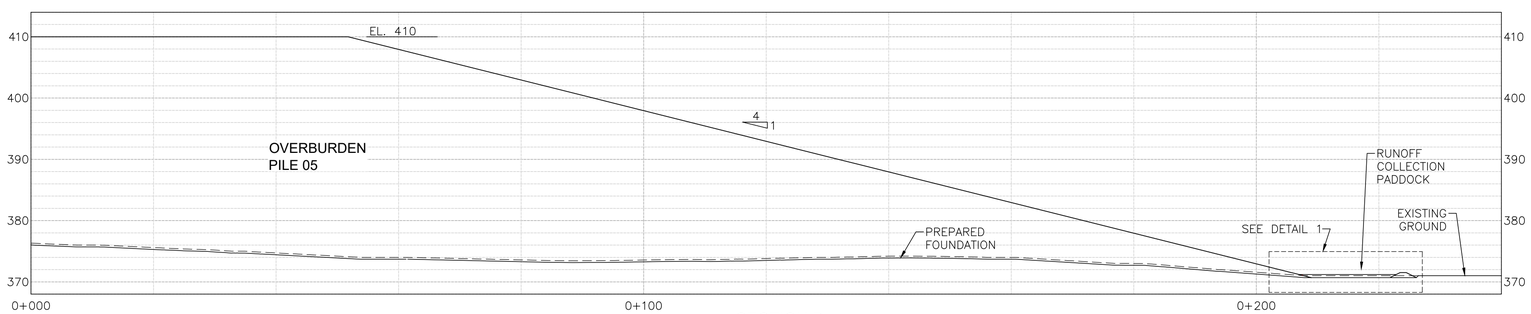
LEGEND

CV24 - BOREHOLES FROM 2024 GORTECHNICAL INVESTIGATION

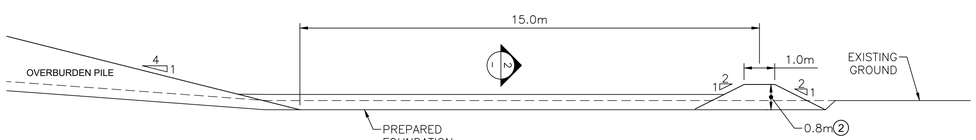
OBSERVATION WELL



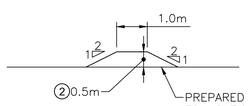
SECTION A
OVERBURDEN PILE 04
SCALE=1:500



SECTION B
OVERBURDEN PILE 05
SCALE=1:500

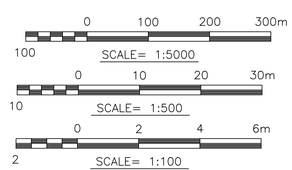


DETAIL 1
RUNOFF COLLECTION PADDOCK
SCALE=1:100



DETAIL 2
RUNOFF COLLECTION PADDOCK
SCALE=1:100

1. CRUSHED STONE (-75mm)
2. WASTE ROCK (-450mm)
3. TILL / SAND BENTONITE CEMENT FILL
4. GRANULAR B TYPE II
5. FILTER / BEDDING SAND (-4.75mm)
6. TRANSITION SAND AND GRAVEL (-26.5mm)
7. RIP-RAP EROSION PROTECTION
8. SAND / SILT (OVERBURDEN)
9. CLEAR STONE (-19mm)
- G1 NON-WOVEN GEOTEXTILE (500g/m²)
- G2 NON-WOVEN NEEDLE PUNCHED GEOTEXTILE (300g/m²)
- GL 1.5mm DOUBLE TEXTURED LLDPE GEOMEMBRANE



ATKINSRÉALIS #: 702381-0000-4GDD00-0007

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	ISSUED FOR FEASIBILITY STUDY	A.C.	B.M.	25-09-10
B	ISSUED FORCLIENT REVIEW	P.A.	B.M.	25-04-10
A	ISSUED FOR INTERNAL REVIEW	P.A.	B.M.	25-01-10

PATRIOT BATTERY METALS

AtkinsRéalis

Mining Services

CONCEPTEUR/DESIGN:	P. ADDIS	25-09-10
DESSINATEUR/DRAWN:	M. SYKES	25-09-10
VÉRIFIÉ PAR/CHECKED:	R. ALAM	25-09-10
INGÉNIEUR/ENGINEER:	B. MORRISSETTE	25-09-10
ÉCHELLE/SCALE:	1:3,000	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
-
-
-
-

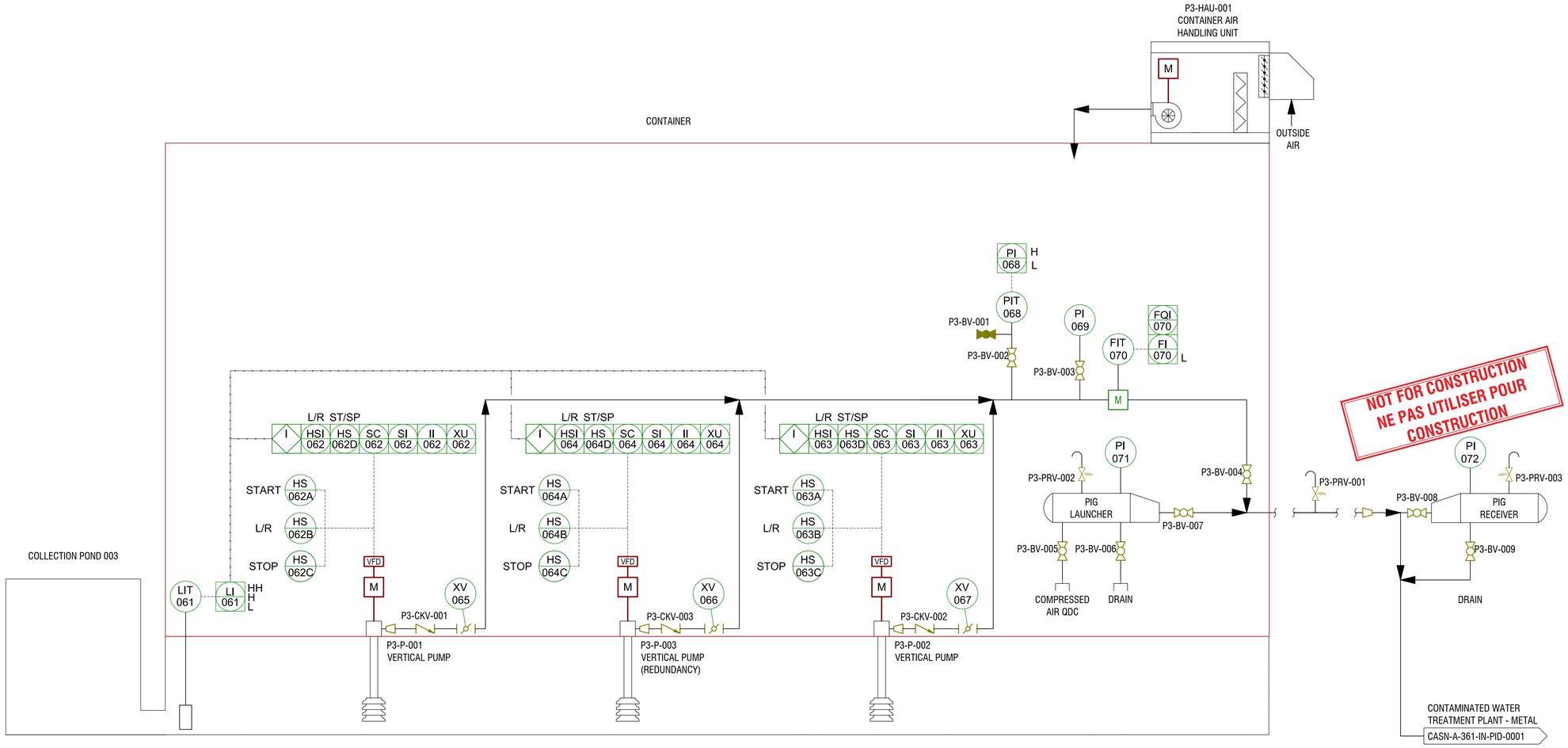
TITLE
OVERBURDEN PILES04 AND 05
PLANS, SECTIONS AND DETAIL
-
-

DESSIN NUM./DRAWING NO.: CASN - A

370	GT	DWG	0005	C
AREA	DISC.	TYPE	SEQ.	REV.

PAPER SIZE FORMAT - A1
SAVED ON: 25-10-01 12:02 PM BY Silvia, Mak
PATH: C:\Users\SYMAK\OneDrive - Atkins\Mak\Shared Documents - 702381 PB Metals Shaakichiuwaanaan project\40_Engineering\40_Drawings\0000\CASN-A-370-GT-DWG-0005_C.dwg

PAPER SIZE FORMAT - A1



NOT FOR CONSTRUCTION
NE PAS UTILISER POUR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	FINAL RELEASE FOR FEASIBILITY STUDY	D.K.	A.C.	25-09-15
B	INITIAL RELEASE ISSUED FOR CLIENT REVIEW	D.K.	A.C.	25-09-03
A	INITIAL RELEASE ISSUED FOR INTERNAL REVIEW	R.D.	A.C.	25-05-02

PATRIOT BATTERY METALS

AtkinsRéalis

702381-5100-45DG10-005

Mining Services

CONCEPTEUR/DESIGN:	A. COGULET	25-05-02
DESSINATEUR/DRAWN:	R. DIDIER	25-05-02
VÉRIFIÉ PAR/CHECKED:	AL NGUYEN	25-05-02
INGÉNIEUR/ENGINEER:	A. COGULET	25-05-02
ÉCHELLE/SCALE:	N.T.S.	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
BASSIN DE COLLECTE 003
SCHÉMA DE TUYAUTERIE
ET D'INSTRUMENTATION
FRANCAIS

TITLE
COLLECTION POND 003
PIPING AND INSTRUMENTATION DIAGRAM

ENGLISH

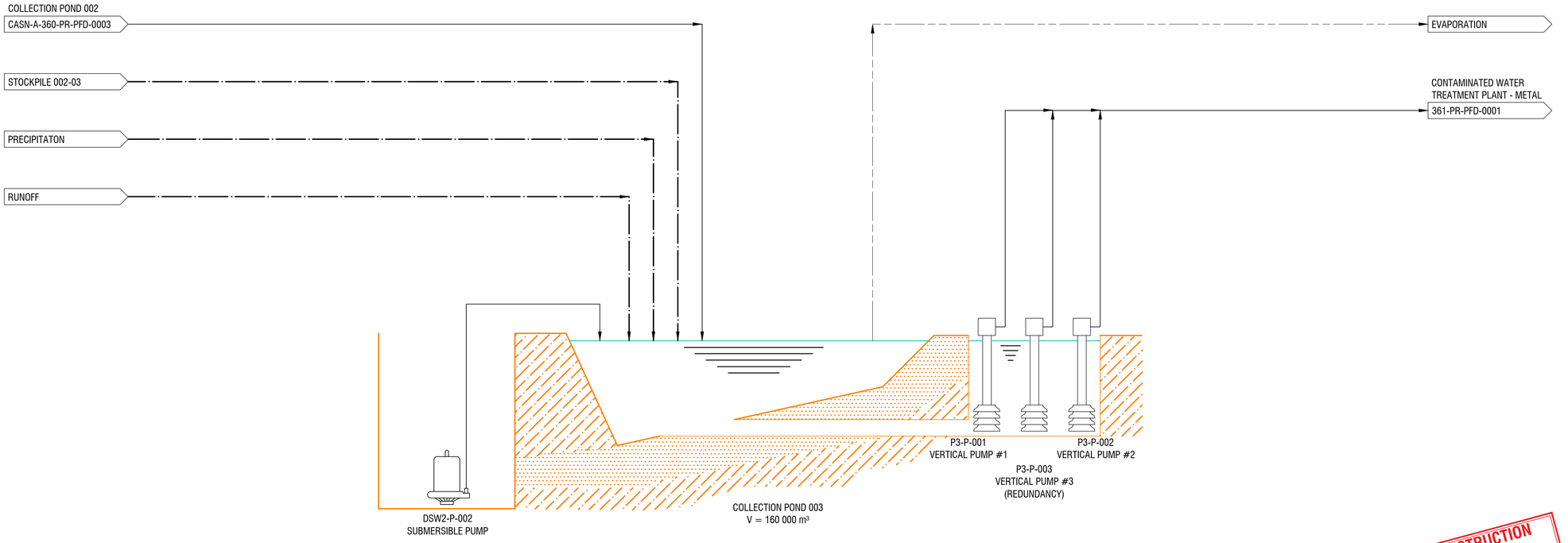
DESSIN NUM./DRAWING NO.: CASN - A

360	IN	PID	0004	C
AREA	DISC.	TYPE	SEQ.	REV.

INGÉNIEURE
Antoine Cogulet
6028243
QUÉBEC
Ing. PhD
6028243.

SAVED ON: 25-09-15 9:21 AM BY Kwanov, Dmitri
PATH: C:\Users\KR6353\OneDrive - AtkinsRéalis\702381 PB Metals Shaakichiuwaanaan project - 8. Drawings\C-Pumping_stations\PAID\CASN-A-360-IN-PID-0004.dwg

PAPER SIZE FORMAT - A1



LEGEND

PUMPED

GRAVITY

ALTERNATIVE

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	FINAL RELEASE FOR FEASIBILITY STUDY	D.K.	A.C.	25-09-15
B	INITIAL RELEASE ISSUED FOR CLIENT REVIEW	D.K.	A.C.	25-09-03
A	INITIAL RELEASE ISSUED FOR INTERNAL REVIEW	R.D.	A.C.	25-04-30

PATRIOT BATTERY METALS

AtkinsRéalis

702381-5100-45DG02-004

Mining Services

CONCEPTEUR/DESIGN:	A. Cogulet	25-04-30
DESSINATEUR/DRAWN:	R. DIDIER	25-04-30
VÉRIFIÉ PAR/CHECKED:	AL Nguyen	25-04-30
INGÉNIEUR/ENGINEER:	A. Cogulet	25-04-30
ÉCHELLE/SCALE:	N.T.S.	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
BASSIN DE COLLECTE 003
DIAGRAMME DE FLUX DE PROCESSUS
DESSIN ET NOTES
FRANCAIS

TITLE
COLLECTION POND 003
PROCESS FLOW DIAGRAM
DRAWING AND NOTES
ENGLISH

DESSIN NUM./DRAWING NO.: CASN - A

360	PR	PFD	0004	C
AREA	DISC.	TYPE	SEQ.	REV.

NOT FOR CONSTRUCTION
NE PAS UTILISER POUR CONSTRUCTION

INGÉNIEUR.E
Antoine Cogulet
6028243
QUÉBEC

Ing. PhD
OIQ 6028243.

SAVED ON: 25-09-15 9:29 AM BY Kiranraj, Pinnili
PATH: C:\Users\KRAJ5B\Desktop\Work\ AtkinsRéalis\702381 PB Metals Shaakichiuwaanaan project - 8. Drawings\2-Dumping_stations\PFD\CASN-A-360-PR-PFD-0004.dwg

PAPER SIZE FORMAT - A1

SODIUM HYPOHCLORITE

FIT 006

FW-GV-026

FW-GV-025

PT 003B

FIT 003B

FW-GV-018

FW-GV-017

FW-GV-019

FW-CHK-003

PT 003A

PT 003C

FW-CHK-004

FIT 003A

FW-GV-015

FW-P-005
BOOSTER PUMP

FW-GV-016

PT 001B

FW-GV-012

AE ORP

FW-XV-009

FW-GV-008

FW-XV-003

DRAIN

HEATER

FW-GV-001

FW-GV-002

FW-GV-003

FW-GV-011

FW-SV-004

AE TURB

FW-GV-013

FW-GV-014

FIT 001

PT 001A

FW-XV-002

FW-YS-001

FW-XV-001

FW-CHK-001

FW-P-003
BOOSTER PUMP

COMPRESSED AIR

FW-SV-001

ANTISCALANT

FW-XV-004

RAW WATER
LAKE 308
SEE DRAWING
CASN-A-310-IN-PID-0001

FW-XV-008

PT 002B

FW-SV-003

FW-GV-010

FW-GV-007

FW-GV-009

FW-GV-004

FW-GV-005

FW-GV-006

FIT 002

PT 002A

FW-XV-006

FW-XV-005

CWPM-P-004
BOOSTER PUMP

FW-CHK-002

FW-YS-002

ANTISCALANT

COMPRESSED AIR

FW-SV-002

FW-XV-007

PT 004B

FIT 004B

FW-GV-023

FW-GV-022

FW-GV-024

FW-CHK-005

PT 004A

PT 004C

FW-CHK-006

FIT 004A

FW-GV-020

FW-P-006
BOOSTER PUMP

FW-GV-021

FIT 005

FW-GV-027

UV

FW-GV-028

FW-CHK-007

FW-P-007
RECIRCULATION PUMP

FW-GV-027

HEATER

WASTE WATER TREATMENT
CASN-A-341-IN-PID-0001

LT 007A

TT 007A

POTABLE WATER
RESERVOIR #1

HEATER

FW-XV-010

FW-GV-029

FW-SV-005

AE CL2

AE PH

LT 007B

TT 007B

POTABLE WATER
RESERVOIR #2

HEATER

FW-XV-011

TREATED WATER DIST.

LT 007C

TT 007C

POTABLE WATER
RESERVOIR #3

HEATER

FW-XV-012

29 PSIG

PT 008

UF TRAINS

FW-GV-031

FW-RV-002

80 PSIG

SOLENOID PANEL

FW-GV-030

FW-RV-001

FW-GV-032

LEGEND

PUMPED

GRAVITY

ALTERNATIVE

FUTURE

BACKUP

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	FINAL RELEASE FOR FEASIBILITY STUDY	D.K.	A.C.	25-09-15
B	INITIAL RELEASE ISSUED FOR CLIENT REVIEW	D.K.	A.C	25-09-03
A	INITIAL RELEASE ISSUED FOR INTERNAL REVIEW	R.D.	A.C	25-06-05

PATRIOT BATTERY METALS

AtkinsRéalis

702381-5300-4KDG10-001

Mining Services

CONCEPTEUR/DESIGN:	A. Cogulet	25-06-05
DESSINATEUR/DRAWN:	R. DIDIER	25-06-05
VÉRIFIÉ PAR/CHECKED:	AL Nguyen	25-06-05
INGÉNIEUR/ENGINEER:	A. Cogulet	25-06-05
ÉCHELLE/SCALE:	N.T.S.	DATE

INGÉNIEUR E
Antoine Cogulet
6028243
QUÉBEC
Ing. P.D.

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
USINE D'EAU POTABLE
SYSTÈME DE FILTRATION
DIAGRAMME DE FLUX DE PROCESSUS
DESSIN ET NOTES

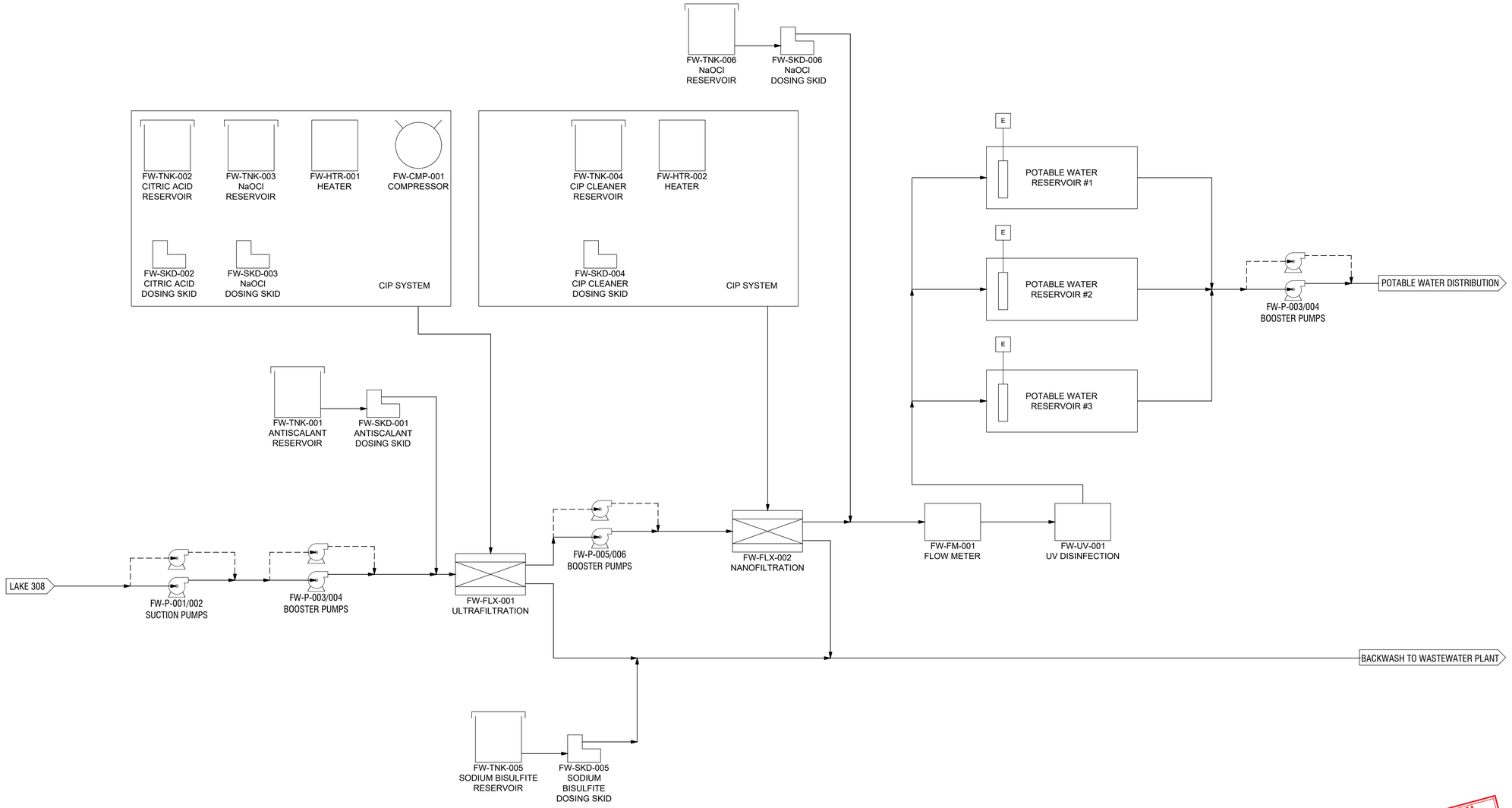
TITLE
POTABLE WATER TREATMENT PLANT
FILTRATION SYSTEM
PROCESS FLOW DIAGRAM
DRAWING AND NOTES

DESSIN NUM./DRAWING NO.: CASN – A 331 – IN – PID – 0001 – C
AREA – DISC. – TYPE – SEQ. – REV.

NOT FOR CONSTRUCTION
NE PAS UTILISER POUR CONSTRUCTION

SAVED ON: 25-06-16 9:37 AM BY Vicenzo Dinhli
PATH: C:\Users\KR6833\OneDrive - AtkinsRéalis\702381 PB Metals Shaakichiuwaanaan project - 8. Drawings\C\Water_treatment\PAID\CASN-A-331-IN-PID-0001.dwg

PAPER SIZE FORMAT - A1



LEGEND

- PUMPED
- GRAVITY
- ALTERNATIVE
- FUTURE
- BACKUP

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	FINAL RELEASE FOR FEASIBILITY STUDY	D.K.	A.C.	25-09-15
B	INITIAL RELEASE ISSUED FOR CLIENT REVIEW	D.K.	A.C	25-09-03
A	INITIAL RELEASE ISSUED FOR INTERNAL REVIEW	R.D.	A.C	25-05-13

PATRIOT BATTERY METALS

AtkinsRéalis

702381-5300-4KDG02-001

Mining Services

CONCEPTEUR/DESIGN:	A. COGULET	25-05-13
DESSINATEUR/DRAWN:	R. DIDIER	25-05-13
VÉRIFIÉ PAR/CHECKED:	AL NGUYEN	25-05-13
INGÉNIEUR/ENGINEER:	A. COGULET	25-05-13
ÉCHELLE/SCALE:	N.T.S.	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
STATION DE TRAITEMENT D'EAU POTABLE
DIAGRAMME DE FLUX DE PROCESSUS
DESSIN ET NOTES
FRANCAIS

TITLE
POTABLE WATER TREATMENT PLANT
PROCESS FLOW DIAGRAM
DRAWING AND NOTES
ENGLISH

DESSIN NUM./DRAWING NO.: CASN – A

331	PR	PFD	0001	C
AREA	DISC.	TYPE	SEQ.	REV.

NOT FOR CONSTRUCTION
NE PAS UTILISER POUR CONSTRUCTION

INGÉNIEUR.E
Antoine Cogulet
6028243
QUÉBEC

Ing. PhD. #6028243.

SAVED ON: 25-09-15 9:50 AM BY Kiyanna Dreihl
PATH: C:\Users\KR6533\OneDrive - AtkinsRéalis\702381 PR Metals Shaakichiuwaanaan project - 8. Drawings\C\Water_treatment\PFD\CASN-A-331-PR-PFD-0001.dwg

PAPER SIZE FORMAT - A1

NOT FOR CONSTRUCTION
NE PAS UTILISER POUR CONSTRUCTION

PERMANENT CAMP KITCHEN WASTEWATER

GREASE TRAP

PERMANENT CAMP DOMESTIC WASTEWATER

DRY BUILDING DOMESTIC WASTEWATER

COLD SERVICE WATER

SWT-FLX-001
ROTARY
STRAINER

LIC 001
LI 001
HH H L LL
LAH 001
LAL 001
LT 001
LSL 001
LSH 001
PI 001
FIT 001
SWT-BV-003
SWT-BV-002
SWT-PRS-001
CASN-A-341-IN-PID-0002
SWT-BV-001
SWT-CHK-001
SWT-CHK-002

SWT-EQ-001
EQUALIZATION
TANK

SWT-P-001/002
SUBMERSIBLE
PUMPS

BAKING SODA

SWT-BLW-001
BLOWER

LIC 002
LI 002
HH H L LL
LAH 002
LAL 002
LT 002
LSL 002
LSH 002

SWT-BV-004
SWT-BV-006
SWT-BV-005

SWT-MBR-001
MOVING BED BIOFILM
REACTOR

ANTIFOAM
COAGULANT
POLYMER
MCC
M
VFD

SWT-BV-007

SWT-AGX-001
COAGULATION
CHAMBER

SWT-AGX-002
FLOCULATION
CHAMBER

MCC
M

SWT-DAF-001
DISSOLVED AIR
FLOATATION TANK

SWT-BV-022
SWT-BV-021
SWT-BV-008
SWT-BV-011

SWT-XV-002
LSH 003
LAH 003
SWT-XV-001
LSL 003
LAL 003

COLD SERVICE WATER

SWT-TNK-006
EFFLUENT HOLDING
TANK

SWT-CHK-005
SWT-CHK-004

POLISHING POND
CASN-A-360-PR-PFD-0008

SWT-MBR-002
CASN-A-341-IN-PID-0002

SWT-BV-020
SWT-BV-019
SWT-BV-018
SWT-BV-017
SWT-CHK-003

PI 004
SWT-GV-011
SWT-GV-012
SWT-BV-010
SWT-BV-009

SWT-P-007
DAF RECIRCULATION
PUMP

PI 005
SWT-GV-015
SWT-GV-016
SWT-BV-014
SWT-BV-013

SWT-P-008
DAF RECIRCULATION
PUMP

SWT-BLW-002
BLOWER

SWT-MBR-002
CASN-A-341-IN-PID-0002

LEGEND

- PUMPED
- GRAVITY
- ALTERNATIVE
- FUTURE
- BACKUP

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	FINAL RELEASE FOR FEASIBILITY STUDY	D.K.	A.C.	25-09-15
B	INITIAL RELEASE ISSUED FOR CLIENT REVIEW	D.K.	A.C	25-09-03
A	INITIAL RELEASE ISSUED FOR INTERNAL REVIEW	R.D.	A.C	25-06-10

PATRIOT BATTERY METALS

AtkinsRéalis

702381-5300-4KDG10-002

Mining Services

CONCEPTEUR/DESIGN:	A. COGULET	25-06-10
DESSINATEUR/DRAWN:	R. DIDIER	25-06-10
VÉRIFIÉ PAR/CHECKED:	AL. NGUYEN	25-06-10
INGÉNIEUR/ENGINEER:	A. COGULET	25-06-10
ÉCHELLE/SCALE:	N.T.S.	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
STATION DE TRAITEMENT DES EAUX USÉES
DIAGRAMME DE FLUX DE PROCESSUS
DESSIN ET NOTES
FRANCAIS

TITLE
SEWAGE WATER TREATMENT PLANT
PROCESS FLOW DIAGRAM
DRAWING AND NOTES
ENGLISH

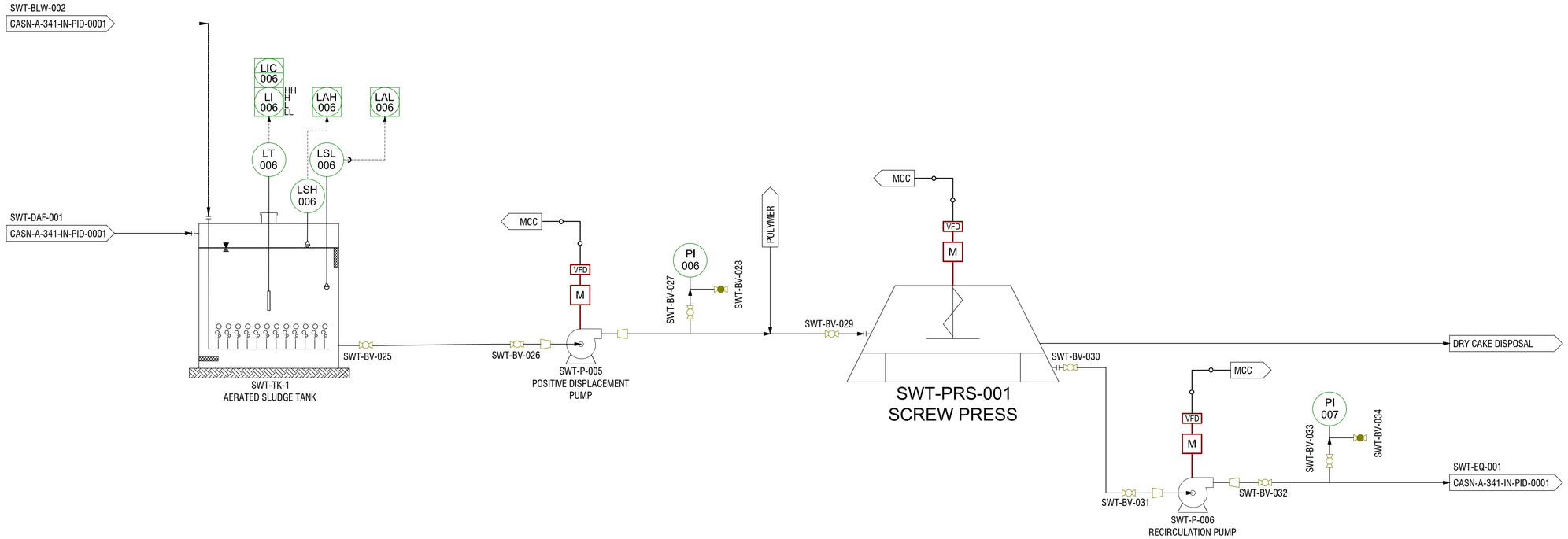
DESSIN NUM./DRAWING NO.: CASN – A

341	IN	PID	0001	C
AREA	DISC.	TYPE	SEQ.	REV.

INGÉNIEUR·E
Antoine Cogulet
6028243
QUÉBEC

SAVED ON: 25-09-15 9:36 AM BY Kronon, Dmitri
PATH: C:\Users\KRONSD\Downloads\Kronon • Kronon@atkinsr702381 PB Metals Shaakichiuwaanaan project - 8. Drawings\Civil\Water_treatment\PKID\CASN-A-341-IN-PID-0001.dwg

PAPER SIZE FORMAT - A1



LEGEND

- PUMPED
- GRAVITY
- ALTERNATIVE
- FUTURE
- BACKUP

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	FINAL RELEASE FOR FEASIBILITY STUDY	D.K.	A.C.	25-09-15
B	INITIAL RELEASE ISSUED FOR CLIENT REVIEW	D.K.	A.C	25-09-03
A	INITIAL RELEASE ISSUED FOR INTERNAL REVIEW	R.D.	A.C	25-06-10

PATRIOT BATTERY METALS

AtkinsRéalis

702381-5300-4KDG10-003

Mining Services

CONCEPTEUR/DESIGN:	A. COGULET	25-06-10
DESSINATEUR/DRAWN:	R. DIDIER	25-06-10
VÉRIFIÉ PAR/CHECKED:	AL. NGUYEN	25-06-10
INGÉNIEUR/ENGINEER:	A. COGULET	25-06-10
ÉCHELLE/SCALE:	N.T.S.	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
STATION DE TRAITEMENT DES EAUX USÉES
DIAGRAMME DE FLUX DE PROCESSUS
DESSIN ET NOTES
FRANCAIS

TITLE
SEWAGE WATER TREATMENT PLANT
PROCESS FLOW DIAGRAM
DRAWING AND NOTES
ENGLISH

DESSIN NUM./DRAWING NO.: CASN - A

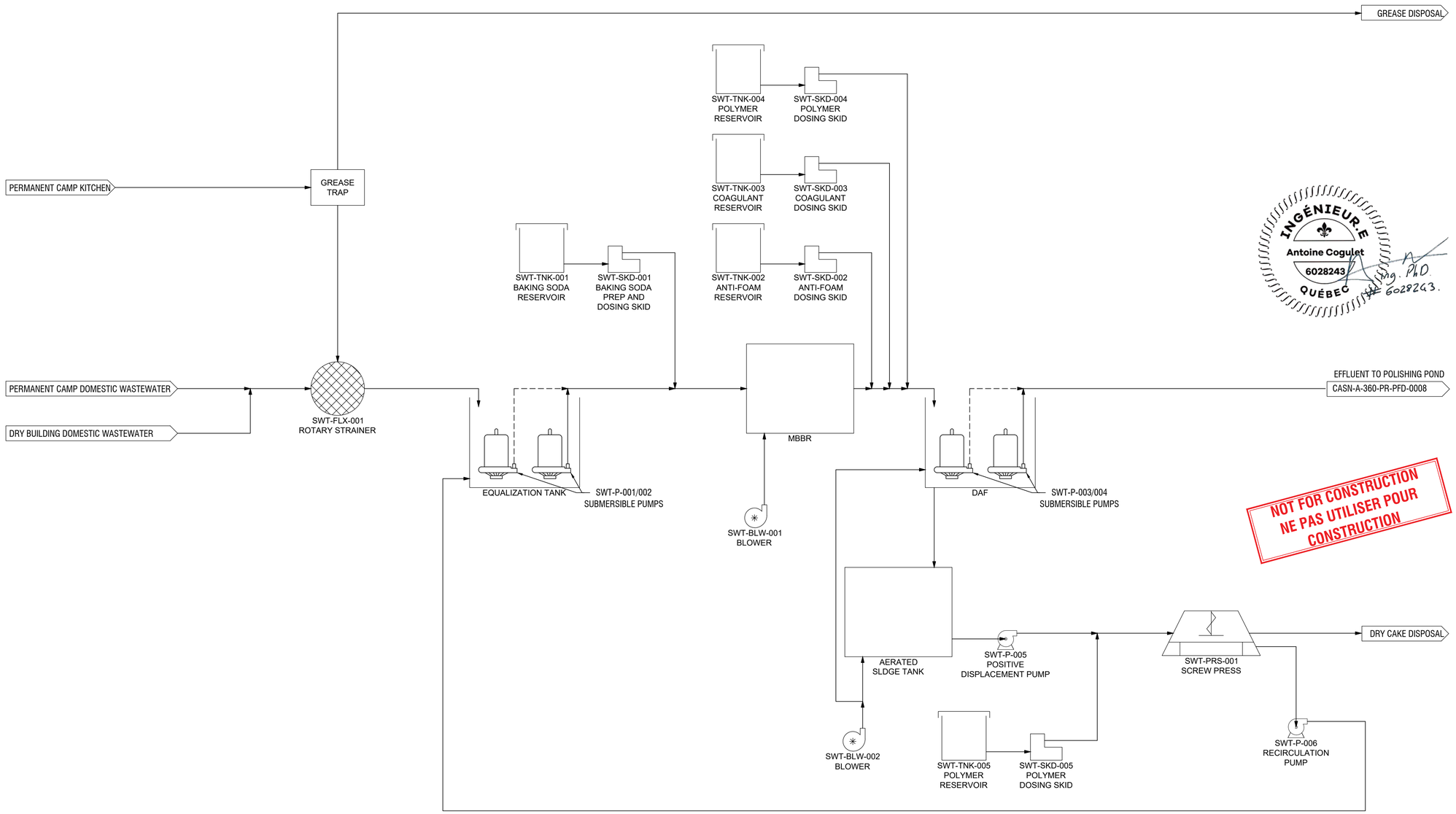
341	IN	PID	0002	C
AREA	DISC.	TYPE	SEQ.	REV.

INGÉNIEUR·E
Antoine Cogulet
6028243
QUÉBEC
Ing. PhD. 6028243

NOT FOR CONSTRUCTION
NE PAS UTILISER POUR CONSTRUCTION

SAVED ON: 25-06-15 8:36 AM BY Kristine Pimbili
PATH: C:\Users\KRIS\ISO\OneDrive - AtkinsRéalis\702381 PB Metals Shaakichiuwaanaan project - 8. Drawings\Civ\Water_treatment\PA\DWG\CASN-A-341-IN-PID-0002.dwg

PAPER SIZE FORMAT - A1



LEGEND

- PUMPED
- GRAVITY
- ALTERNATIVE
- FUTURE
- BACKUP

INGÉNIEUR.E
Antoine Cogulet
6028243
QUÉBEC
Eng. PhD
6028243.

REV	DESCRIPTION	PAR BY	ING ENG	DATE
C	FINAL RELEASE FOR FEASIBILITY STUDY	D.K.	A.C.	25-09-15
B	INITIAL RELEASE ISSUED FOR CLIENT REVIEW	D.K.	A.C	25-09-03
A	INITIAL RELEASE ISSUED FOR INTERNAL REVIEW	R.D.	A.C	25-05-13

PATRIOT BATTERY METALS

AtkinsRéalis

702381-5300-4KDG02-002

Mining Services

CONCEPTEUR/DESIGN:	A. COGULET	25-05-13
DESSINATEUR/DRAWN:	R. DIDIER	25-05-13
VÉRIFIÉ PAR/CHECKED:	AL NGUYEN	25-05-13
INGÉNIEUR/ENGINEER:	A. COGULET	25-05-13
ÉCHELLE/SCALE:	N.T.S.	DATE

PROJET/PROJECT:
SHAAKICHIUWAANAAN

PHASE:
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE:
STATION DE TRAITEMENT DES EAUX USÉES
DIAGRAMME DE FLUX DE PROCESSUS
DESSIN ET NOTES
FRANCAIS

TITLE
SEWAGE WATER TREATMENT PLANT
PROCESS FLOW DIAGRAM
DRAWING AND NOTES
ENGLISH

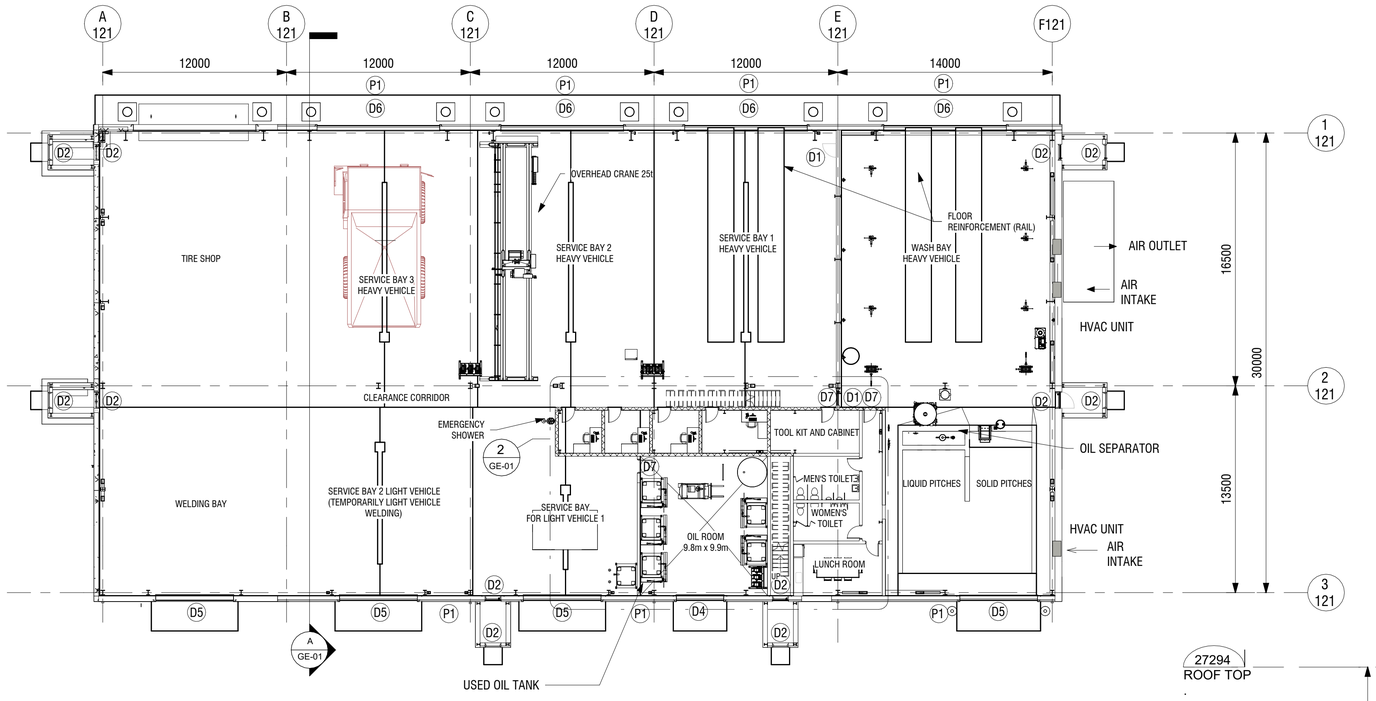
DESSIN NUM./DRAWING NO.: CASN - A

341	PR	PFD	0001	C
AREA	DISC.	TYPE	SEQ.	REV.

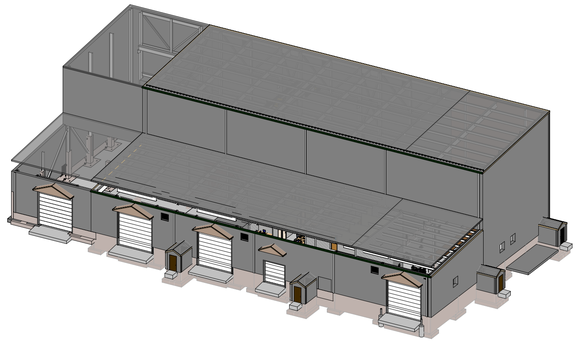
SAVED ON: 25-09-15 9:41 AM BY Vicenzo Dinelli
PATH: C:\Users\KHASSO\OneDrive - AtkinsRéalis\702381 PB Metals Shaakichiuwaanaan project - 8. Drawings\C\Water_treatment\PFD\CASN-A-341-PR-PFD-0001.dwg

B6. Plans – Bâtiments

PAPER SIZE FORMAT - A1



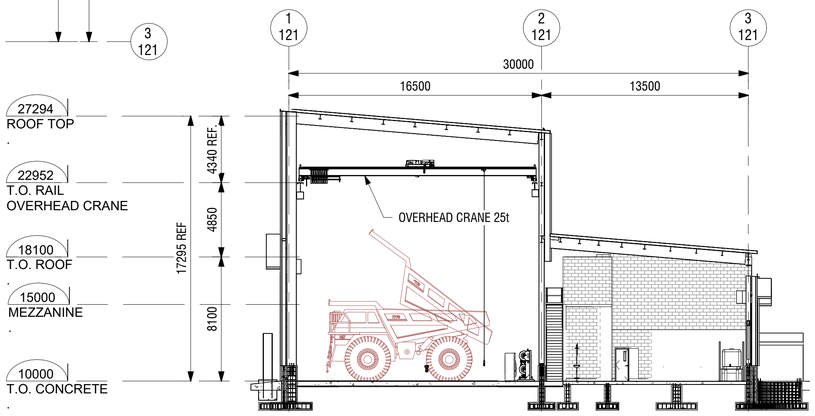
1 PLAN VIEW
1 : 200



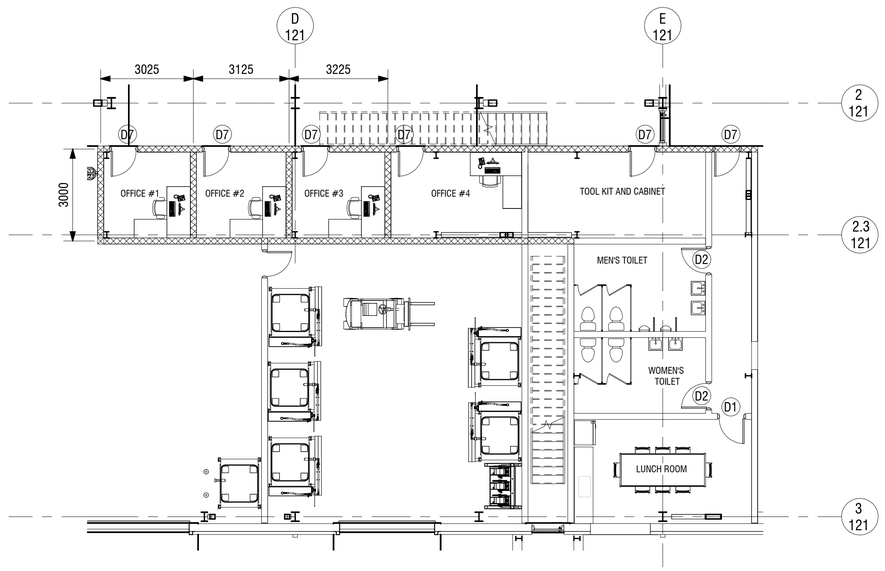
4 3D VIEW

NE PAS UTILISER POUR CONSTRUCTION

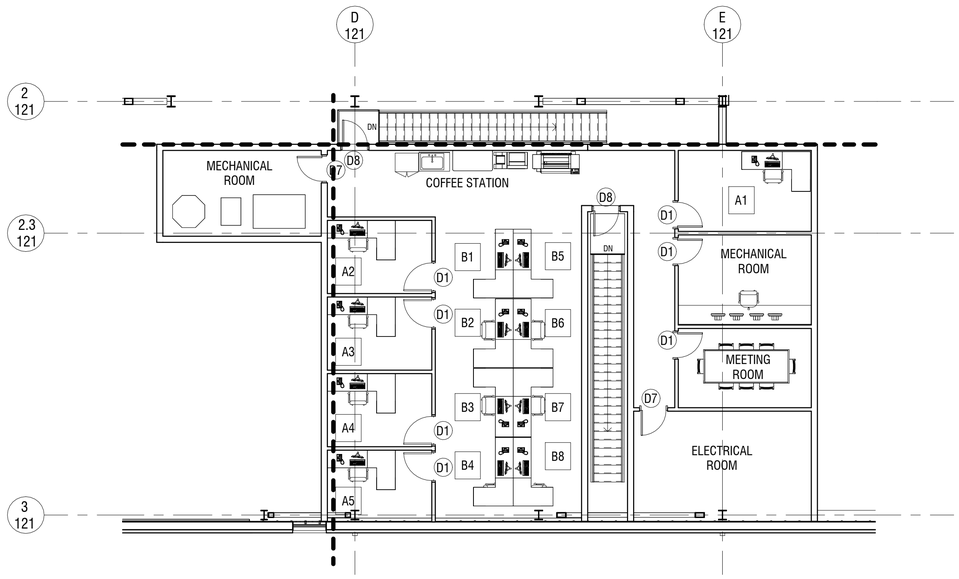
NOT FOR CONSTRUCTION



A SECTION
1 : 200



2 PLAN VIEW - OFFICES
1 : 100



3 MEZZANINE
1 : 100

REV	DESCRIPTION	BY	ENG	DATE
B	ISSUED FOR PROJECT REVIEW	T.M.	L.A.	24-11-18
A	INTERNAL REVIEW	Y.B.	L.A.	24-10-24

PATRIOT BATTERY METALS

Mining Services

CONCEPTEUR/DESIGN:	L. ALEMAN	24-10-24
DESSINATEUR/DRAWN:	Y. BERGER	24-10-24
VÉRIFIÉ PAR/CHECKED:	M. GALAN	24-10-24
INGÉNIEUR/ENGINEER:	L. ALEMAN	24-10-24
ÉCHELLE/SCALE:	As indicated	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

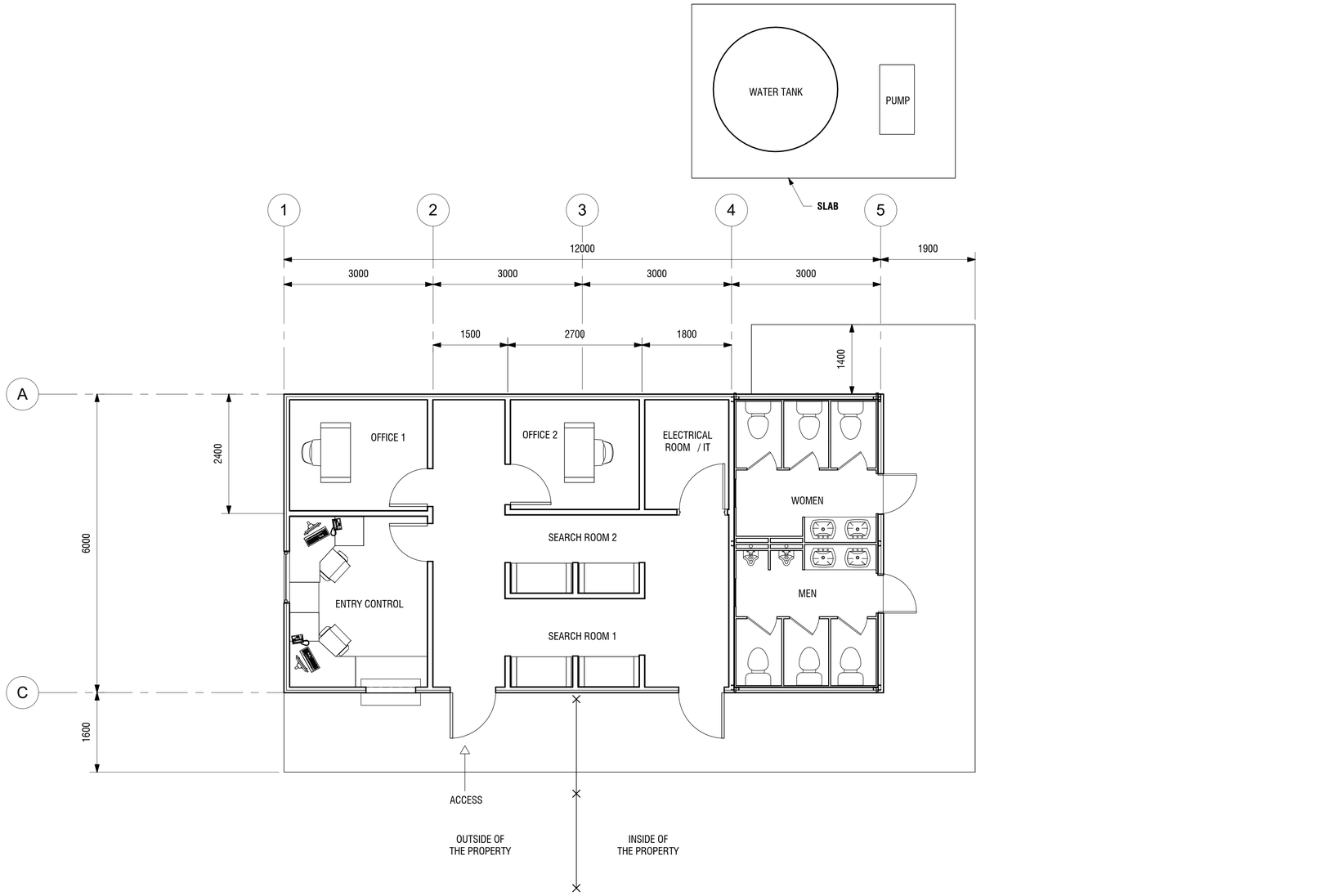
TITRE :
GARAGE
ARRANGEMENT GÉNÉRAL
VUE DE PLAN, SECTIONS & 3D

TITLE :
TRUCK SHOP
GENERAL ARRANGEMENT
PLAN VIEW, SECTIONS & 3D

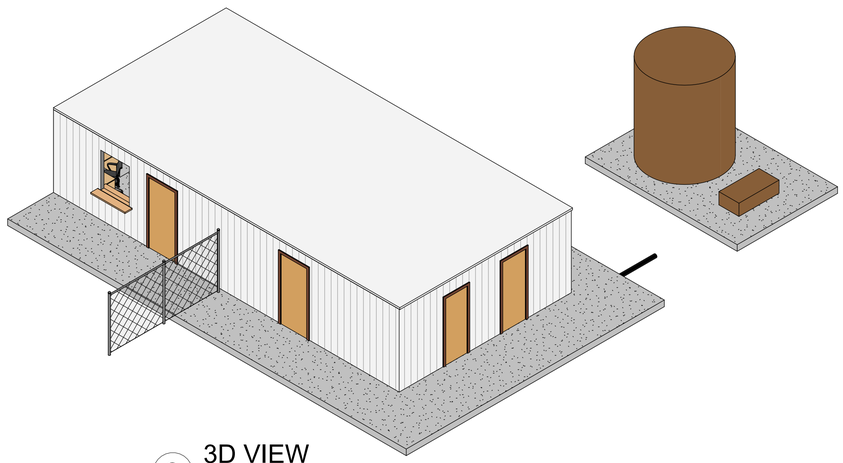
DESSIN NUM. / DRAWING NO. :
CASN-A
121-GE-GA-0001 B
AREA - DISC. - TYPE - SEQ. NO. REV.

SAVED ON: 2024-11-25 1:58:46 PM
Path: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METAL\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\121 Truckshop\GE General\CASN-A-121-GE-3DM-0001.rvt

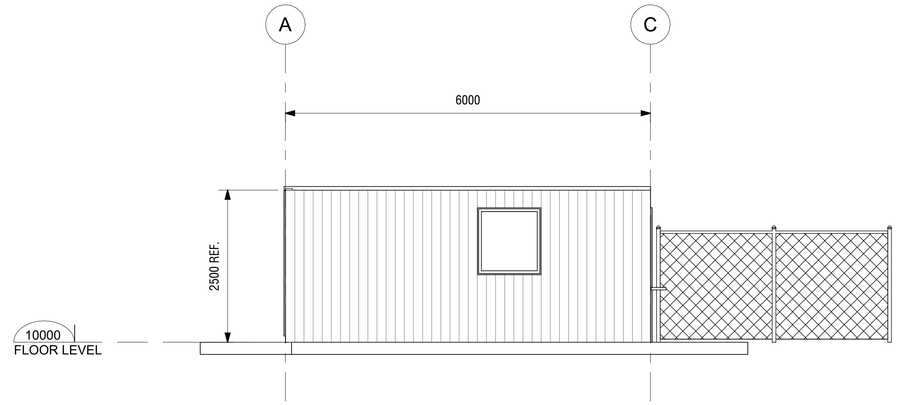
PAPER SIZE FORMAT - A1



1 PLAN VIEW
1 : 50



2 3D VIEW



3 ELEVATION VIEW
1 : 50

NOT FOR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B	ISSUED FOR PROJECT REVIEW	T.M.	L.A.	24-11-01
A	INTERNAL REVIEW	T.M.	L.A.	24-10-31

PATRIOT BATTERY METALS

Mining Services

CONCEPTEUR/DESIGN: L. ALEMAN	24-10-28
DESSINATEUR/DRAWN: T. MANSUR	24-10-28
VÉRIFIÉ PAR/CHECKED: M. GALAN	24-10-28
INGÉNIEUR/ENGINEER: E. SHAMMA	24-10-28
ÉCHELLE/SCALE: 1 : 50	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE :
GUÉRITE DE CHANTIER
ARRANGEMENT GÉNÉRAL
VUE EN PLAN, ÉLÉVATION
VUE 3D

TITLE :
SITE GUARD HOUSE
GENERAL ARRANGEMENT
PLAN VIEW AND 3D

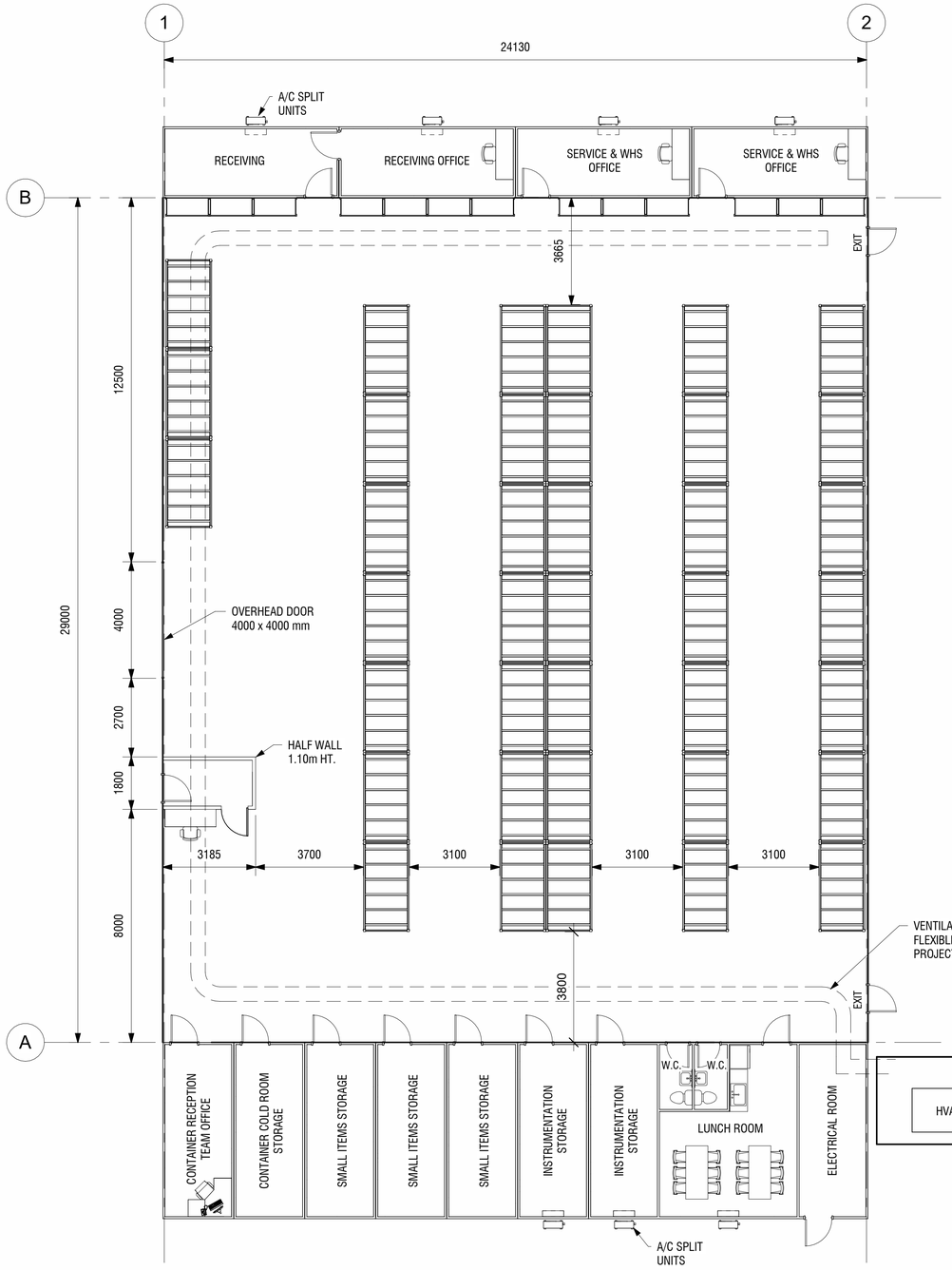
DESSIN NUM. / DRAWING NO. : CASN-A

132-GE-GA-0001 B

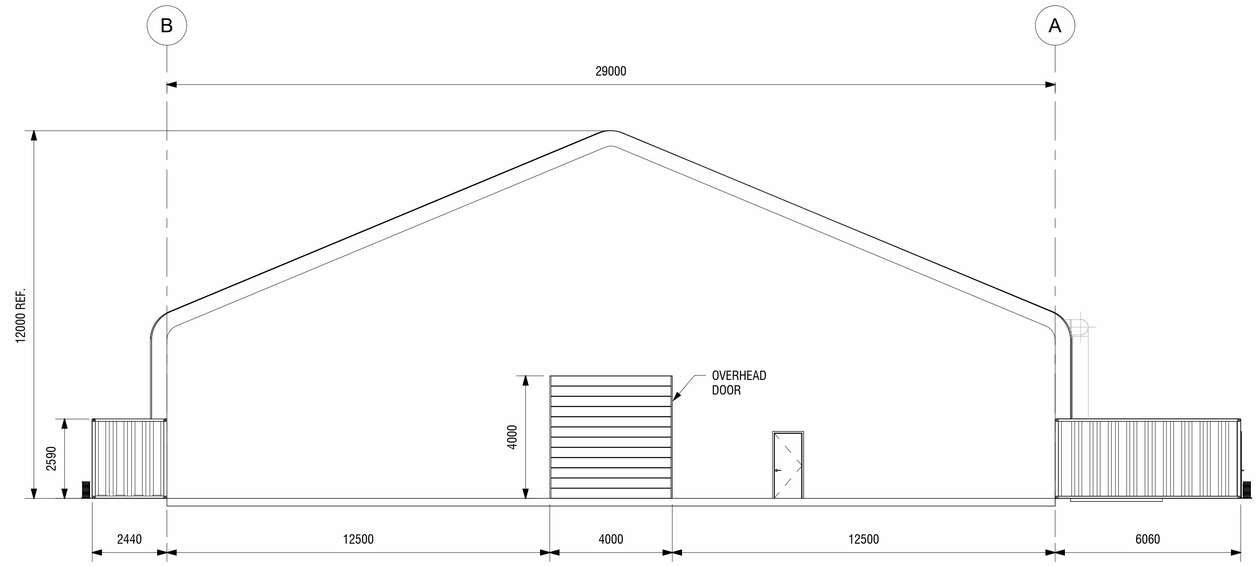
AREA - DISC. - TYPE - SEQ. NO. REV.

SAVED ON: 11/1/2024 3:18:32 PM
PATH: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\001 General\GE General\CASN-A-132-GE-3DM-0001.rvt

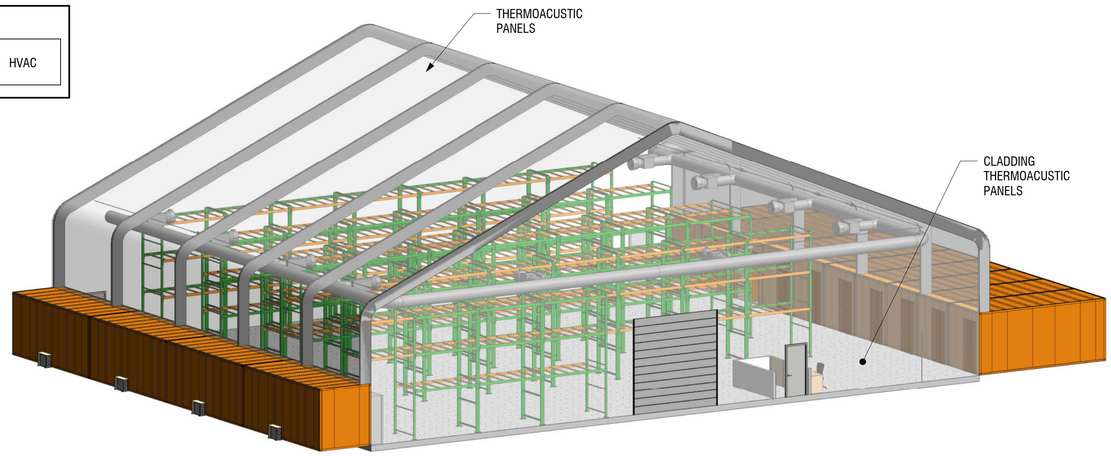
PAPER SIZE FORMAT - A1



1 PLAN VIEW
1 : 100



2 ELEVATION VIEW
1 : 100



3 OUTSIDE 3D VIEW

NE PAS UTILISER POUR CONSTRUCTION

NOT FOR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B	ISSUED FOR PROJECT REVIEW	T.M.	L.A.	24-11-20
A	INTERNAL REVIEW	T.M.	L.A.	24-10-31

PATRIOT BATTERY METALS

Mining Services

CONCEPTEUR/DESIGN: L. ALEMAN	24-10-28
DESSINATEUR/DRAWN: T. MANSUR	24-10-28
VÉRIFIÉ PAR/CHECKED: M. GALAN	24-10-28
INGÉNIEUR/ENGINEER: E. SHAMMA	24-10-28
ÉCHELLE/SCALE: 1 : 100	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

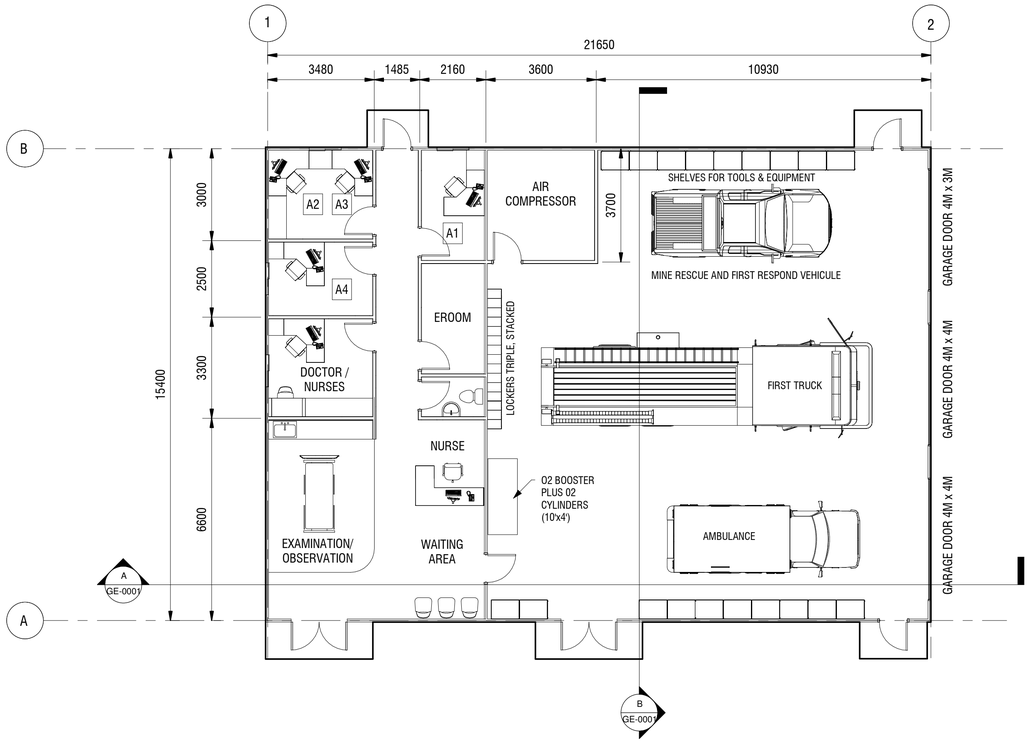
TITRE :
ENTREPOT
ARRANGEMENT GÉNÉRAL
VUE EN PLAN, ÉLÉVATION
VUE EN 3D

TITLE :
WAREHOUSE
GENERAL ARRANGEMENT
PLAN VIEW, ELEVATION
3D VIEW

DESSIN NUM. / DRAWING NO. :
CASN-A
134-GE-GA-0001 B
AREA - DISC. - TYPE - SEQ. NO. REV.

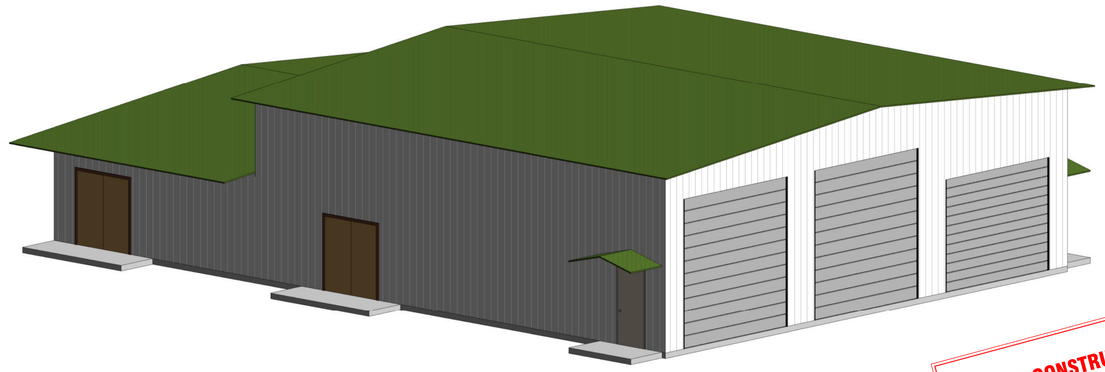
SAVED ON: 2024-11-20 3:11:34 PM
PATH: \\CORP.GMINING.COM\corporate_data\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\001 General\GE General\CASN-A-134-GE-3DM-0001.rvt

PAPER SIZE FORMAT : A1



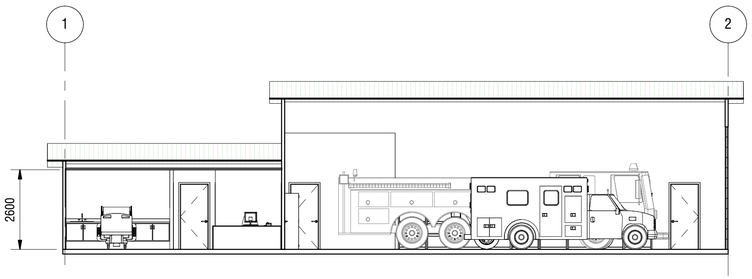
1 PLAN VIEW
1 : 100

WORKERS - CLOSED OFFICE	
ID	**DESCRIPTION**
A1	H&S MANAGER
A2	H&S CORDINATOR
A3	H&S CORDINATOR
A4	H&S SUPERVISOR

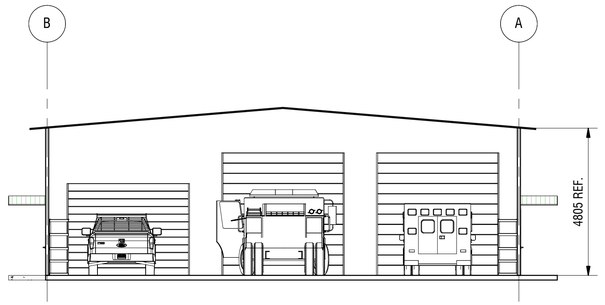


2 3D VIEW

NOT FOR CONSTRUCTION



A SECTION VIEW A
1 : 100



B SECTION VIEW B
1 : 100

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B1	ISSUED FOR PROJECT REVIEW	Y.B.	L.A.	24-12-19
B	ISSUED FOR PROJECT REVIEW	T.M.	L.A.	24-11-01
A	INTERNAL REVIEW	T.M.	L.A.	24-10-31

PATRIOT BATTERY METALS

Mining Services

CONCEPTEUR/DESIGN: L. ALEMAN	24-10-31
DESSINATEUR/DRAWN: T. MANSUR	24-10-31
VÉRIFIÉ PAR/CHECKED: M. GALAN	24-10-31
INGÉNIEUR/ENGINEER: E. SHAMMA	24-10-31
ÉCHELLE/SCALE: As indicated	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

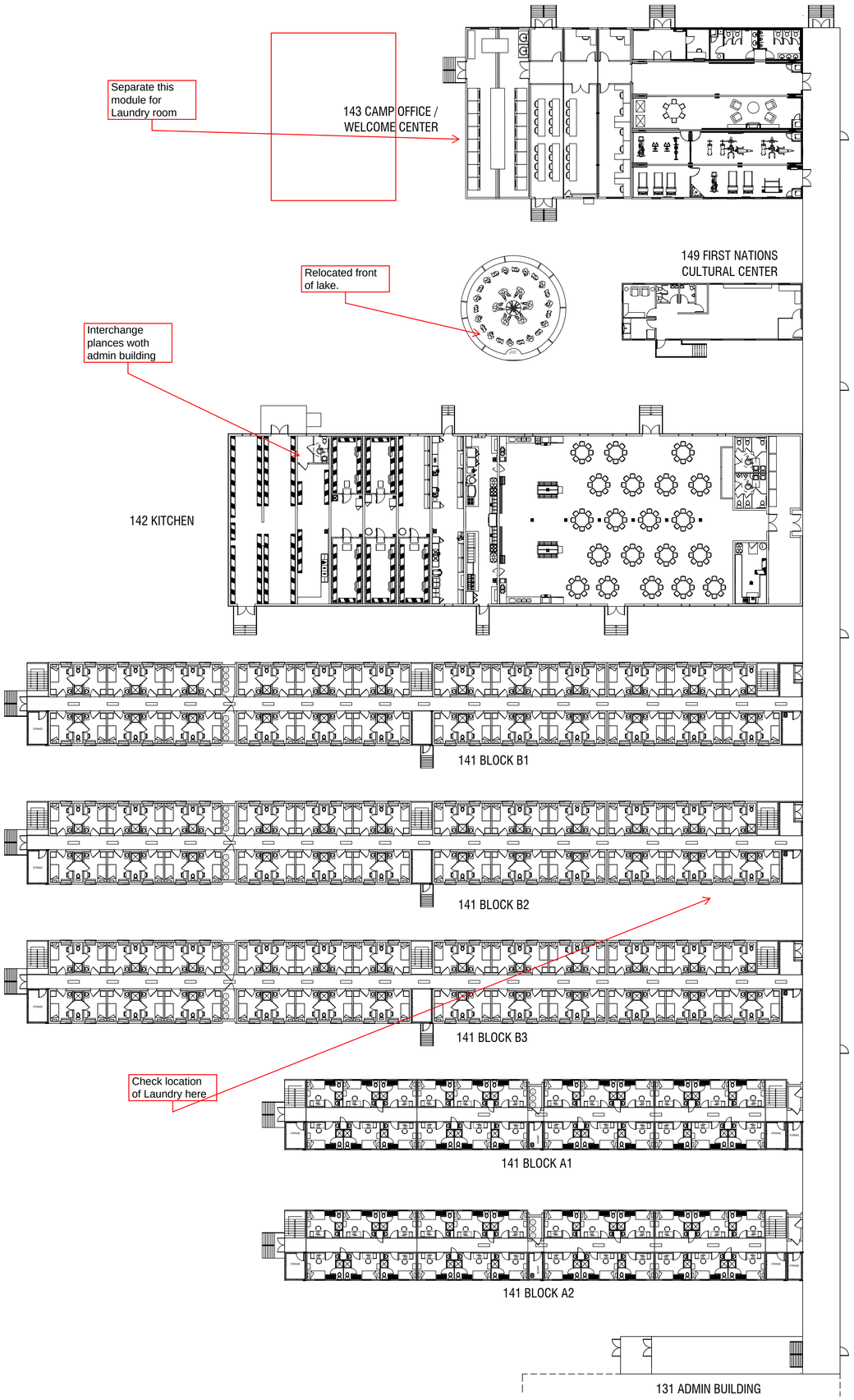
TITRE :
CASERNE DE POMPIERS
ARRANGEMENT GÉNÉRAL
BÂTIMENT PRÉFABRIQUÉ
VUE EN PLAN, EN COUPE ET 3D

TITLE :
FIRE HALL
GENERAL ARRANGEMENT
PREFAB BUILDINGS
PLAN VIEW / SECTION & 3D VIEW

DESSIN NUM. / DRAWING NO. :
CASN-A
139-GE-GA-0001 B1
AREA - DISC. - TYPE - SEQ. NO. REV.

SAVED ON: 2024-12-19 13:42:00
PATH: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\139 Fire Hall\CASN-A 139-GE-3DM-0001.rvt

PAPER SIZE FORMAT - A1



NOT FOR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B	ISSUED FOR PROJECT REVIEW	Y.B.	L.A.	24-11-28
A	INTERNAL REVIEW	L.A	P.D.	24-11-21

CONCEPTEUR/DESIGN: L. ALEMAN	24-11-21
DESSINATEUR/DRAWN:Y. BERGER	24-11-21
VÉRIFIÉ PAR/CHECKED:M. GALAN	24-11-21
INGÉNIEUR/ENGINEER: L. ALEMAN	24-11-21
ÉCHELLE/SCALE: NO SCALE	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE :
INSTALLATIONS DU CAMP
ARRANGEMENT GÉNÉRAL
VUE EN PLAN

TITLE :
CAMP FACILITIES
GENERAL ARRANGEMENT
PLAN VIEW

DESSIN NUM./DRAWING NO.:
CASN – A
140-GE-GA-0001 B
AREA - DISC. - TYPE - SEQ. NO. REV.

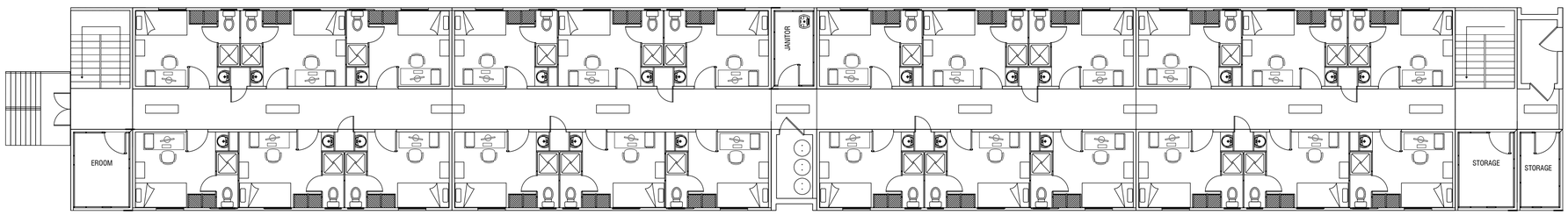
SAVED ON: 24-11-28 8:08 BY Yannick Berger
PATH: E:\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\140 Camp Facilities\GE General\CASN-A-140-GE-GA-0001.dwg

PAPER SIZE FORMAT - A1



B PLAN VIEW - CAMP TYPE B

EACH BLOCK HAS 2 STORIES
47 PERSON PER STORY
TOTAL PER BLOCK 94 PERSON



A PLAN VIEW - CAMP TYPE A

EACH BLOCK HAS 1 STORY
48 PERSON PER STORY
TOTAL PER BLOCK 48 PERSON

NOT FOR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B1	ISSUED FOR PROJECT REVIEW	Y.B.	E.S.	24-12-19
B	ISSUED FOR PROJECT REVIEW	Y.B.	E.S.	24-11-28
A	INTERNAL REVIEW	L.A.	P.D.	24-10-30

CONCEPTEUR/DESIGN: L. ALEMAN		24-11-28
DESSINATEUR/DRAWN:Y. BERGER		24-11-28
VÉRIFIÉ PAR/CHECKED:M. GALAN		24-11-28
INGÉNIEUR/ENGINEER: E. SHAMMA		24-11-28
ÉCHELLE/SCALE:	NO SCALE	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE :
DORTOIR (CAMP)
ARRANGEMENT GÉNÉRAL
VUE EN PLAN ET
ÉLÉVATION

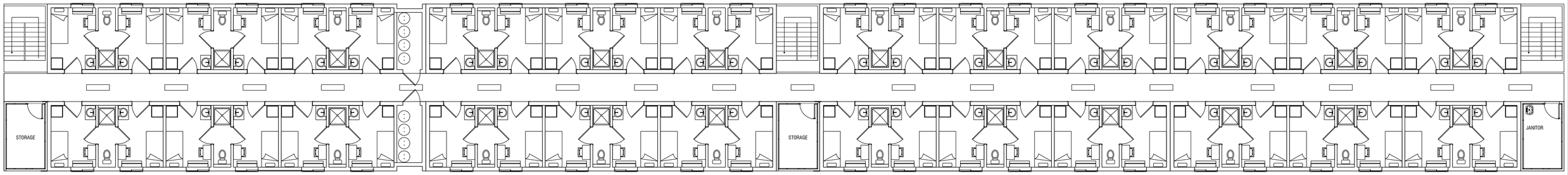
TITLE :
CAMP DORMITORIES
GENERAL ARRANGEMENT
PLAN VIEW &
ELEVATIONS

DESSIN NUM./DRAWING NO.:
CASN - A
141-GE-GA-0001 B1
AREA - DISC. - TYPE - SEQ. NO. REV.

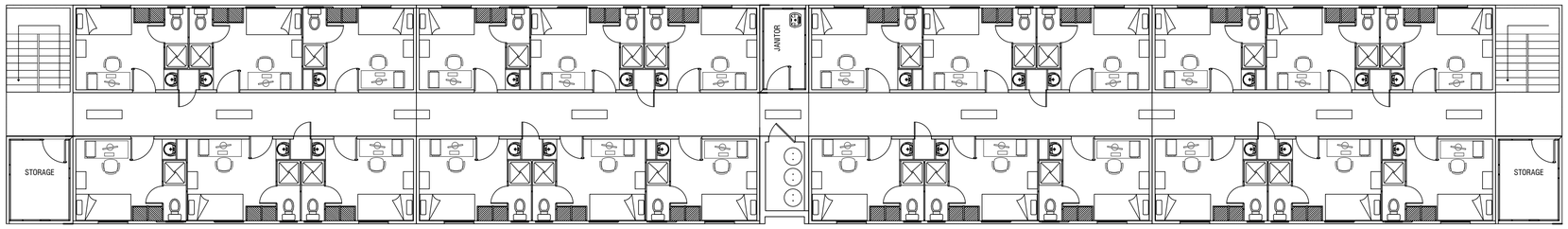
SAVED ON: 24-11-28 8:44 BY Yannick Berger
PATH: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METAL\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\141 Camp Dorm\GE General\CASN-A-141-GE-DWG-0001-A.dwg

PAPER SIZE FORMAT - A1

EACH BLOCK HAS 2 STORIES
48 PERSON PER STORY
TOTAL PER BLOCK 96 PERSON



EACH BLOCK HAS 1 STORY
48 PERSON PER STORY
TOTAL PER BLOCK 48 PERSON



PRELIMINARY

NOT FOR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B	PROJECT REVIEW	L.A	P.D.	24-10-30
A	INTERNAL REVIEW	L.A.	P.D.	24-10-30

CONCEPTEUR/DESIGN: L. ALEMAN		24-10-30
DESSINATEUR/DRAWN:L. ALEMAN		24-10-30
VÉRIFIÉ PAR/CHECKED:M. GALAN		24-10-30
INGÉNIEUR/ENGINEER: P. DROZ		24-10-30
ÉCHELLE/SCALE:	NO SCALE	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

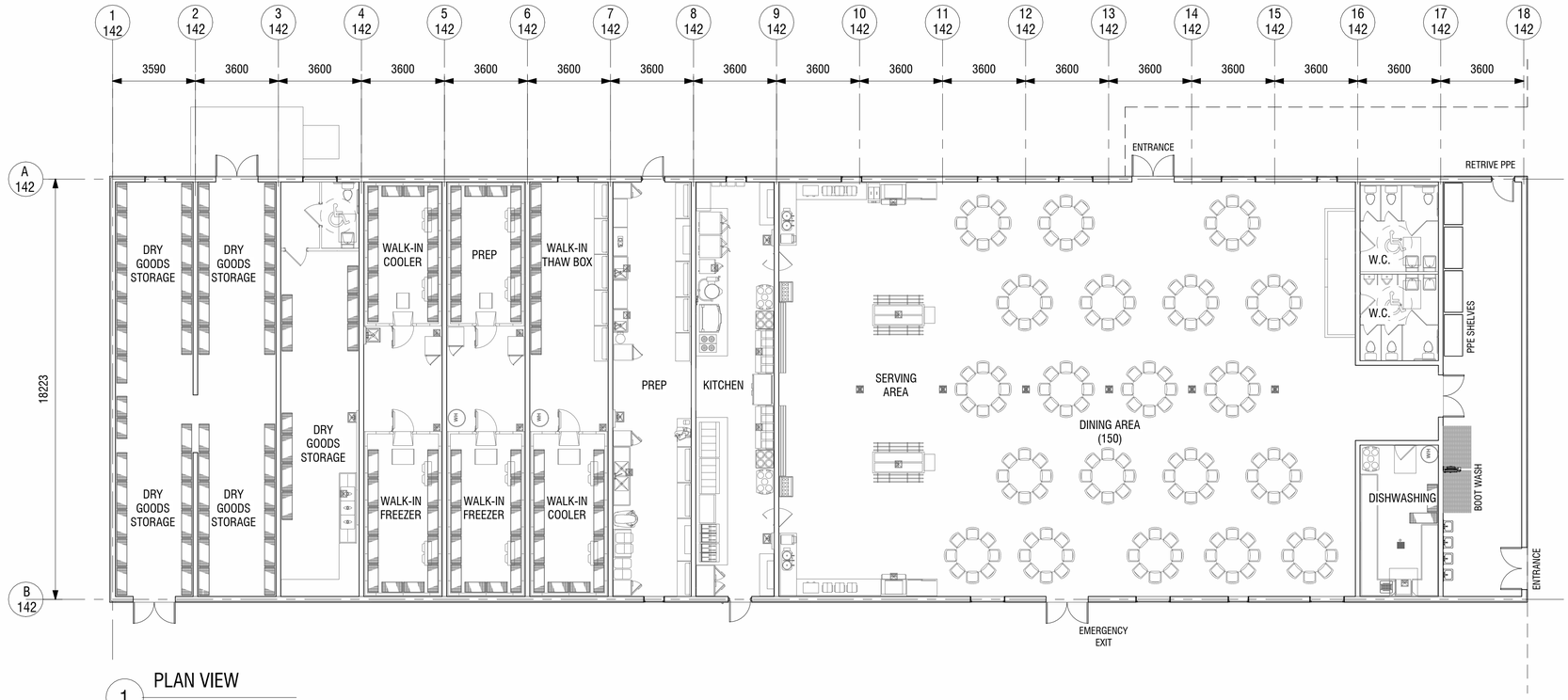
TITRE :
DORTOIR (CAMP)
ARRANGEMENT GÉNÉRAL
VUE EN PLAN ET
ÉLÉVATION

TITLE :
CAMP DORMITORIES
GENERAL ARRANGEMENT
PLAN VIEW &
ELEVATIONS

DESSIN NUM./DRAWING NO.:
CASN – A
141-GE-DWG-0002 B
AREA - DISC. - TYPE - SEQ. NO. REV.

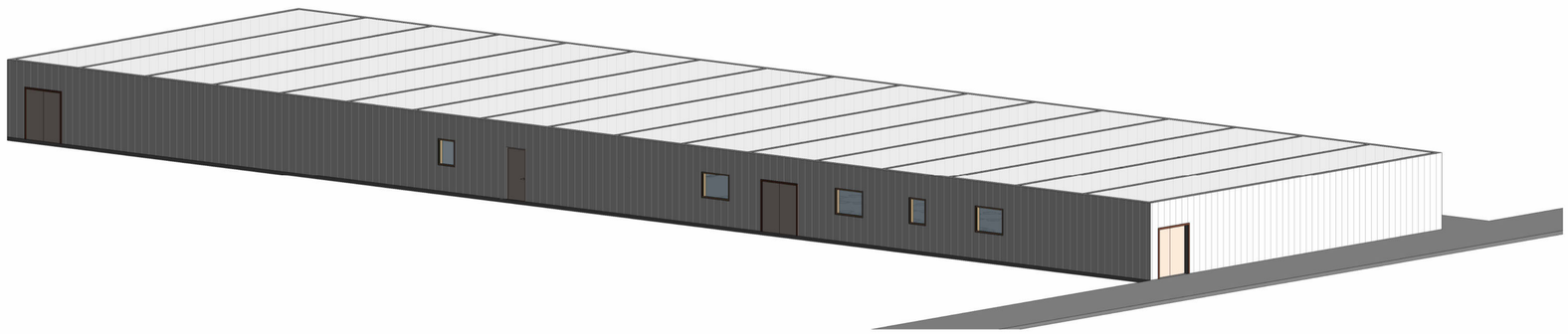
SAVED ON: 24-11-13 4:17 PM BY Luis Aleman
PATH: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\141 Camp Dorm\GE Element\CASN-A-141-GE-DWG-0001-A.dwg

PAPER SIZE FORMAT - A1



1 PLAN VIEW

1 : 125



2 3D VIEW

NE PAS UTILISER POUR CONSTRUCTION

NOT FOR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B	ISSUED FOR PROJECT REVIEW	T.M.	L.A.	24-11-20
A	INTERNAL REVIEW	T.M.	L.A.	24-10-31

PATRIOT BATTERY METALS

Mining Services

CONCEPTEUR/DESIGN: L. ALEMAN	24-10-08
DESSINATEUR/DRAWN: T. MANSUR	24-10-08
VÉRIFIÉ PAR/CHECKED: M. GALAN	24-10-08
INGÉNIEUR/ENGINEER: E. SHAMMA	24-10-08
ÉCHELLE/SCALE: 1 : 125	DATE

PROJET/PROJECT :

SHAAKICHIUWAANAAN

PHASE :

ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE :

CUISINE
ARRANGEMENT GÉNÉRAL
BÂTIMENT PREFABRIQUÉ
VUE EN PLAN ET 3D

TITLE :

KITCHEN & DINING
GENERAL ARRANGEMENT
PREFAB BUILDING
PLAN VIEW & 3D VIEW

DESSIN NUM. / DRAWING NO. :

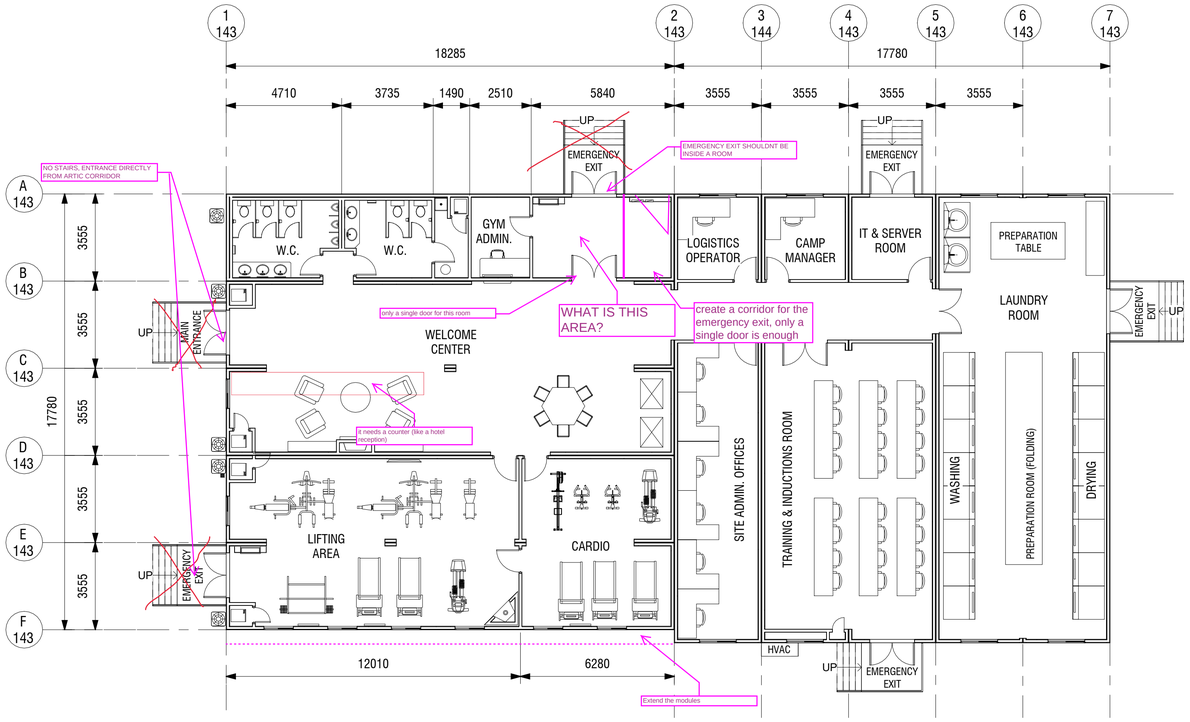
GYOW-B

142-GE-GA-0001 B

AREA - DISC. - TYPE - SEQ. NO. REV.

SAVED ON: 2024-11-20 3:05:09 PM
PATH: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\SHAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\001 General\GE General\CASN-A-142-GE-3DM-0001.rvt

PAPER SIZE FORMAT - A1



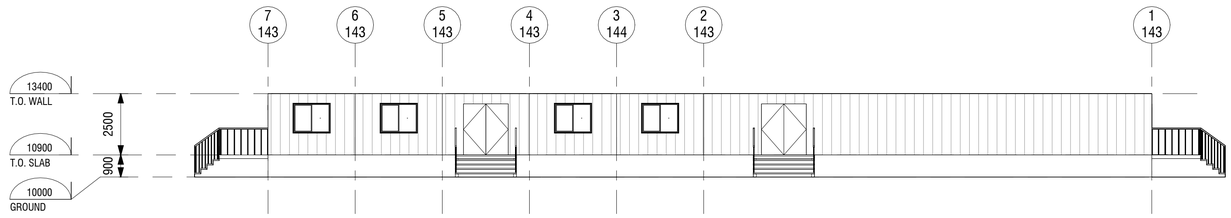
2 PLAN VIEW
1 : 125



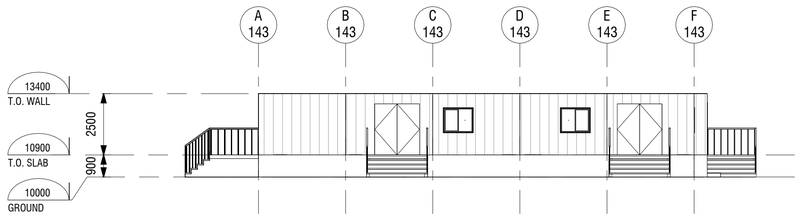
3 3D VIEW

NE PAS UTILISER POUR CONSTRUCTION

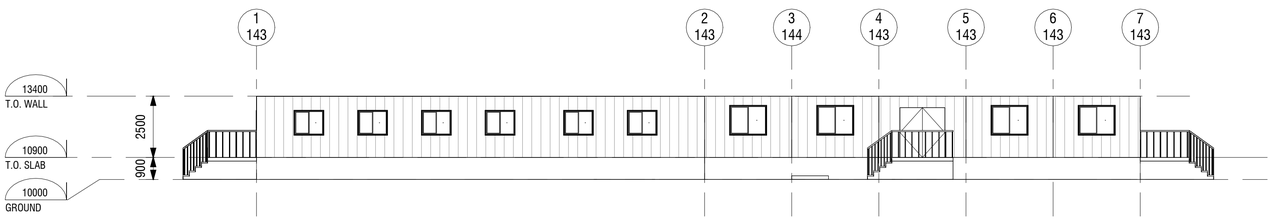
NOT FOR CONSTRUCTION



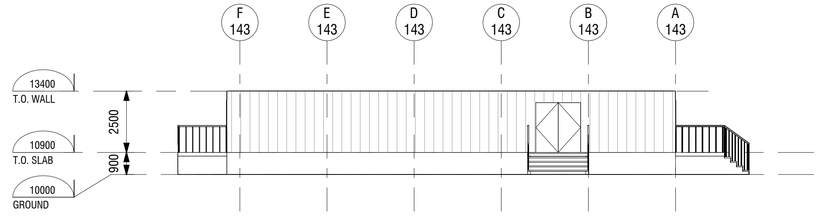
A AXIS
1 : 125



1 AXIS
1 : 125



F AXIS
1 : 125



7 AXIS
1 : 125

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B	ISSUED FOR PROJECT REVIEW	T.M.	L.A.	24-11-25
A	INTERNAL REVIEW	T.M.	L.A.	24-11-22

PATRIOT BATTERY METALS

Mining Services

CONCEPTEUR/DESIGN:	L. ALEMAN	24-11-22
DESSINATEUR/DRAWN:	T. MANSUR	24-11-22
VÉRIFIÉ PAR/CHECKED:	M. GALAN	24-11-22
INGÉNIEUR/ENGINEER:	E. SHAMMA	24-11-22
ÉCHELLE/SCALE:	1 : 125	DATE

PROJET/PROJECT :
SHAAKICHIUWAANAAN

PHASE :
ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE :
BUREAU DU CAMPS / RÉCEPTION
ARRANGEMENT GÉNÉRAL
BÂTIMENT PRÉFABRIQUÉ
VUE EN PLAN ET 3D

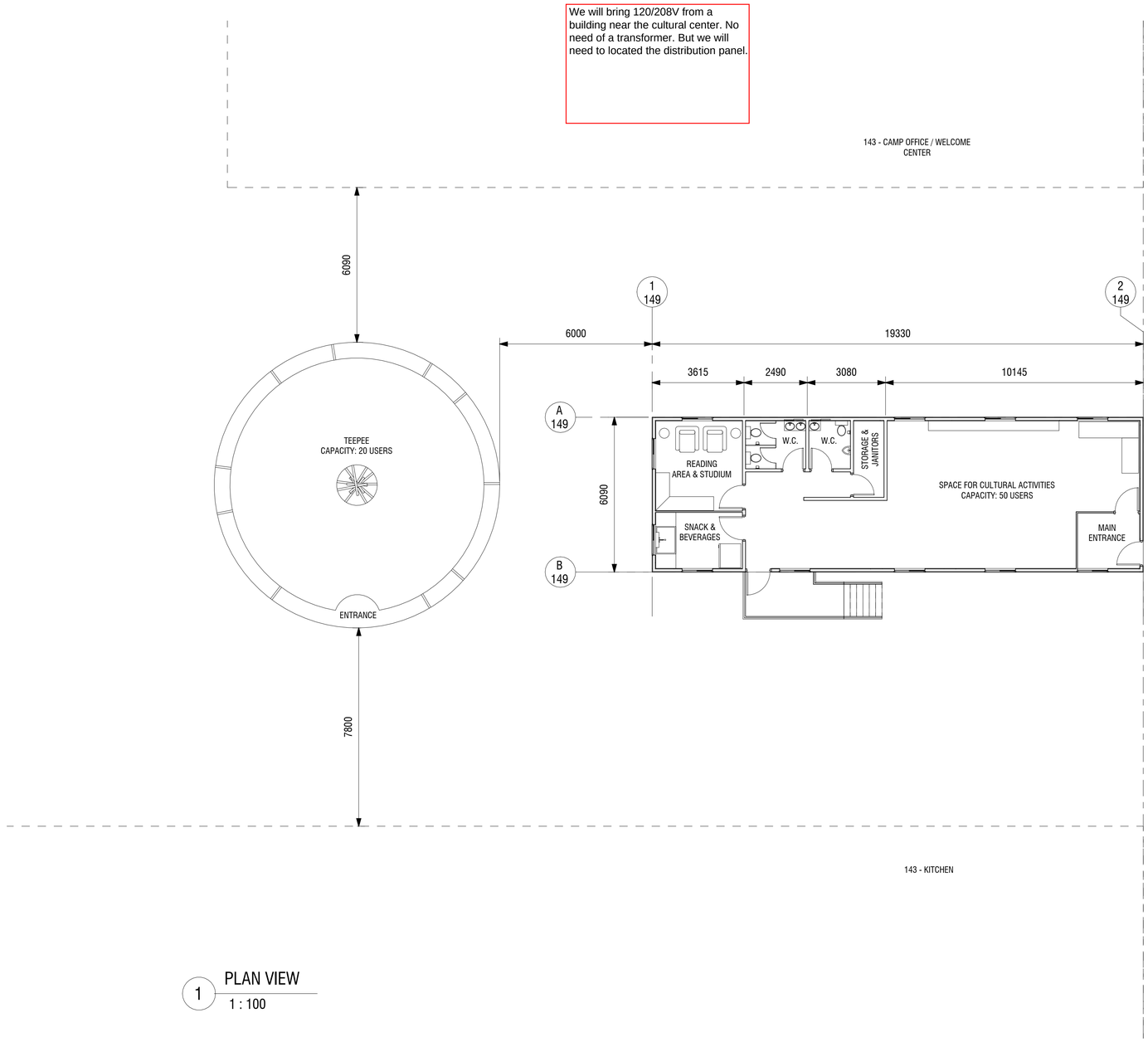
TITLE :
CAMP OFFICEL / WELCOME CENTER
GENERAL ARRANGEMENT
PREFAB BUILDING
PLAN VIEW

DESSIN NUM. / DRAWING NO. :
GYOW-B
143-GE-GA-0001 B
AREA - DISC. - TYPE - SEQ. NO. REV.

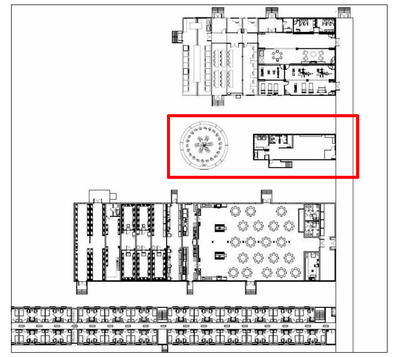
SAVED:ON: 2024-11-25 4:53:14 PM
PATH: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\HAAKICHIUWAANAAN (CASN-A) Feasibility Study\03-Drawing\140 Camp Facilities\GE General\CASN-A-143-GE-3DM-0001.rvt

PAPER SIZE FORMAT - A1

We will bring 120/208V from a building near the cultural center. No need of a transformer. But we will need to located the distribution panel.



1 PLAN VIEW
1 : 100



KEY PLAN

NE PAS UTILISER POUR CONSTRUCTION

NOT FOR CONSTRUCTION

REV	DESCRIPTION	PAR BY	ING ENG	DATE
B	ISSUED FOR PROJECT REVIEW	T.M.	E.S.	24-11-27
A	INTERNAL REVIEW	T.M.	E.S.	24-11-26

CONCEPTEUR/DESIGN: L. ALEMAN		24-11-26
DESSINATEUR/DRAWN: T. MANSUR		24-11-26
VÉRIFIÉ PAR/CHECKED: M. GALAN		24-11-26
INGÉNIEUR/ENGINEER: E. SHAMMA		24-11-26
ÉCHELLE/SCALE: 1 : 100		DATE

PROJET/PROJECT :

SHAAKICHIUWAANAAN

PHASE :

ÉTUDE DE FAISABILITÉ
FEASIBILITY STUDY

TITRE :

CENTRE CULTUREL
PREMIÈRES NATIONS
ARRANGEMENT GÉNÉRAL
VUE EN PLAN

TITLE :

FIRST NATIONS
CULTURAL CENTER
GENERAL ARRANGEMENT
PLAN VIEW

DESSIN NUM. / DRAWING NO. :

CASN-A

149-GE-GA-0001 B

AREA - DISC. - TYPE - SEQ. NO. REV.

SAVED ON: 2024-11-27 2:56:30 PM
PATH: Z:\ACTIVE_PROJECTS\PATRIOT BATTERY METALS\SHAAKICHIUWAANAAN (CASN-A)\Feasibility Study\03-Drawing\149 First Nations Cultural Center\CASN-A-149-GE-3DM-0001.rvt

Annexe C

Grille de validation du MRNF

B. Projet d'exploitation minière

Projet d'exploitation minière	✓*	S.O.**	Renseignements disponibles (référence)***
Renseignements généraux			
Résumé du plan de restauration : ▪ brève description des activités minières, travaux de restauration envisagés, échéancier, total des coûts.	X		Section 'Résumé du plan de restauration'
Sommaire exécutif du plan de restauration (en annexe).	X		Annexe A
Identification du requérant.	X		Section 2.1
Résolution du conseil d'administration (en annexe).	X		Annexe D
Lettre identifiant la firme externe mandatée pour la rédaction du plan de restauration (en annexe).	X		Annexe E
Emplacement du terrain avec plans annexés.	X		Section 2.3, annexe B
Géologie et minéralogie : ▪ tableaux synthèses des résultats et conclusions des différents essais géochimiques réalisés.	X		Section 2.6 et 2.7, annexe G
Historique du site visé par le plan de restauration.	X		Section 2.5
Autorisations diverses.	X		Section 2.9
Description des activités minières			
Description des activités d'exploitation actuelles et futures, notamment :	X		Section 3.1
▪ taux moyens d'extraction et de traitement de minerai ;	X		Section 3.1
▪ durée de vie estimée de la mine ;	X		Section 3.1
▪ taux de production des résidus ;	X		Section 3.1
▪ superficie et capacité des aires d'accumulation ;	X		Section 3.1
▪ quantités (tonnage et volume) de résidus miniers, de stériles miniers, de mort-terrain et de sol végétal.	X		Section 3.1
Nature des activités minières d'exploitation.	X		Section 3.2
Description et emplacement des bâtiments et des infrastructures de surface avec plans annexés, notamment :	X		Section 3.4
▪ bâtiments et infrastructures d'extraction ;	X		Section 3.4.1
▪ usine de traitement de minerai et bâtiments connexes ;	X		Section 3.4.2
▪ infrastructures électriques, de transport et de soutien ;	X		Section 3.4.3
▪ autres bâtiments (bâtiments administratifs et d'hébergement, cafétéria, etc.).	X		Section 3.4.4

Projet d'exploitation minière	✓*	S.O.**	Renseignements disponibles (référence)***
Aires d'accumulation, notamment :			Section 3.5, Annexe H
■ plan de la topographie actuelle du site montrant l'emplacement et la géométrie détaillée des différentes aires d'accumulation ;	X		Annexe B5
■ géologie des dépôts de surface et de l'assise rocheuse ;	X		Section 3.5, Annexe H
■ description des haldes à stériles ;	X		Section 3.5.1 et 3.5.2, Annexe H
■ description du parc à résidus miniers ;	X		Section 3.5.2, Annexe H
■ description des haldes de minerais, de concentrés et de mort-terrain.	X		Section 3.5.3 et 3.5.4, Annexe H
Description de la gestion de l'eau sur le site, notamment :	X		Section 3.6 et 3.7, Annexe H et I
■ système hydrologique et bassins versants ;	X		Annexe I1 (section 2)
■ carte hydrogéologique ;	X		Annexe I2 (figure 18)
■ emplacement des installations de gestion des eaux avec plans annexés ;	X		Section 3.6, Annexe B5, H et I
■ évaluation de la qualité des eaux souterraines et emplacements des puits d'observation ;	X		Section 3.6, Annexe H et I
■ ouvrages de captage pour la gestion des eaux autour des aires d'accumulation ;	X		Section 3.6, Annexe H et I
■ bilan hydrique du site minier (incluant aires d'accumulation et usine de traitement du minerai) ;	X		Section 3.6, Annexe H et I
■ schéma de gestion des eaux et emplacement de l'effluent final ;	X		Section 3.6, Annexe B5, H et I
■ station d'échantillonnage et mesures de contrôle à l'effluent final.	X		Section 3.6, Annexe B5, H et I
Description du site de traitement des eaux usées, notamment :	X		Section 3.6, annexe H
■ procédés de traitement, besoins en matière d'entretien et d'opération, capacité de l'usine de traitement des eaux et période d'utilisation ;	X		Section 3.6, annexe H
■ boues produites (volume et caractéristiques physiques et chimiques) ;	X		Section 3.6, annexe H
■ traitement passif (le cas échéant) ;	X		Section 3.6, annexe H
■ description des bassins de sédimentation.	X		Section 3.6, annexe H
Lieux d'entreposage et d'élimination :	X		Section 3.8
■ produits chimiques, pétroliers et explosifs ;	X		Section 3.8.1 et 3.8.2
■ matières résiduelles non dangereuses ;	X		Section 3.8.3
■ matières résiduelles dangereuses.	X		Section 3.8.4

Projet d'exploitation minière	✓*	S.O.**	Renseignements disponibles (référence)***
Mesures de protection, de réaménagement et de restauration			
Sécurité des aires de travail, des ouvertures au jour et des piliers de surface :	X		Section 4.1
■ description des mesures de sécurisation des ouvertures au jour ;	X		Section 4.1
■ étude de stabilité des ouvrages de surface (fosse à ciel ouvert) ou souterrains (piliers de surface).	X		Annexe J
Démantèlement des bâtiments et des infrastructures de surface, notamment :	X		Section 4.2
■ bâtiments et infrastructures d'extraction ;	X		Section 4.2
■ usine de traitement de minerai et bâtiments connexes ;	X		Section 4.2
■ infrastructures électriques, de transport et de soutien ;	X		Section 4.2
■ autres bâtiments (bâtiments administratifs et d'hébergement, cafétéria, etc.).	X		Section 4.2
Disposition des équipements et de la machinerie lourde.	X		Section 4.3
Aires d'accumulation, notamment :	X		Section 4.4 et 4.5
■ analyse comparative des scénarios de restauration ;	X		Section 4.4, annexe L
■ scénario de restauration choisi :	X		
• type de recouvrement : épaisseur et caractéristiques physiques et chimiques des matériaux employés ;	X		Section 4.5
• évaluation de la performance anticipée du scénario de restauration à court, à moyen et à long terme ;	X		Section 4.5, annexe H
• études de stabilité physique et structurale des ouvrages ;	X		Section 4.5, annexe H
• plans et devis du scénario de restauration ;		X	
• description du système de gestion des eaux de crue ;	X		Annexe H
• évaluation des besoins en entretien pour tous les ouvrages ;	X		Annexe H
• échéancier et description de toute activité de restauration progressive (le cas échéant).		X	
Infrastructures de gestion des eaux :	X		
■ travaux de restauration des infrastructures qui ne seront plus nécessaires après la cessation définitive des activités ;	X		Section 4.6

Projet d'exploitation minière	✓*	S.O.**	Renseignements disponibles (référence)***
■ infrastructures demeurant sur le site après la cessation définitive des activités ;	X		Section 4.6
■ mode de restauration des infrastructures sanitaires.	X		
Plan de végétalisation, notamment :	X		Section 4.10, Annexe M
■ planification ;	X		Section 4.10, Annexe M
■ conception et mise en œuvre ;	X		Section 4.10, Annexe M
■ entretien, suivi et correctifs.	X		Section 4.10, Annexe M
Changements climatiques, notamment :	X		Section 4.8
■ identification des aléas climatiques ;	X		Section 4.8
■ identification des composantes du projet de restauration susceptibles d'être touchées par les aléas identifiés et conséquences ;	X		Section 4.8
■ évaluation des impacts et des risques pour le projet de restauration;	X		Section 4.8
■ identification de mesures d'adaptation aux changements climatiques.	X		Section 4.8
Réhabilitation du terrain (terrains contaminés).	X		Section 4.9
Mode de gestion des produits chimiques, pétroliers et explosifs.	X		Section 4.7.1 à 4.7.3
Mode de gestion de matières résiduelles dangereuses et non dangereuses.	X		Section 4.7.4 et 4.7.5
Programme de suivi et d'entretien postexploitation et postrestauration			
Suivi environnemental.	X		Section 5.1
Suivi de la performance des techniques de restauration.	X		Section 5.2
Suivi et entretien de l'intégrité des ouvrages.	X		Section 5.3
Suivi et entretien après la végétalisation.	X		Section 5.4
Plan d'urgence	X		Section 6, Annexe N
Considérations économiques et temporelles	X		
Évaluation détaillée des coûts des travaux de restauration.	X		Section 8.1 à 8.3, Annexe O
Calendrier de réalisation des travaux de restauration.	X		Section 8.5
Mesures applicables en cas de cessation temporaire des activités d'exploitation	X		Section 7, annexe B4

* Élément inclus.

** Sans objet.

*** Si les renseignements ne sont pas inclus dans la révision du plan de restauration soumis, indiquer l'endroit où ils peuvent être trouvés (référence et page).

C. Exigences normatives du document

Exigences normatives	✓
Trois copies papier et une copie numérique du document.	X
Format papier	✓
Présentation du document sur papier de dimensions standard de 216 mm sur 279 mm (8,5 po sur 11 po) sans les annexes volumineuses.	X
Présentation des plans sur un support papier de 216 mm sur 356 mm (8,5 po sur 14 po) ou de 279 mm sur 432 mm (11 po sur 17 po), ou sur papier plus grand, si annexé.	X
Présentation des annexes volumineuses sur un support numérique.	X
Le document papier doit être relié.	X
Format numérique	
Présentation sur un support numérique en format PDF.	X
Volet navigation activé.	X
Table des matières liée.	X
Présentation en plusieurs fichiers si la taille du document est trop volumineuse.	X
Simplifier les noms donnés aux fichiers.	X
Unité de mesure et échelle	
Unités de mesure des plans exprimées selon le Système international d'unités (SI).	X
Présentations graphiques qui respectent les critères d'échelle assurant leur clarté.	X
Contenu du plan	✓
Plans certifiés, datés et signés par un ingénieur.	X
Nom et coordonnées de l'entreprise, et noms, professions et fonctions des personnes ayant réalisé le document.	X
Signatures des rédacteurs et des réviseurs.	X

GCM
ENVIRO
SYNERGIES

Annexe D

Résolution du conseil d'administration

Docusign Envelope ID: EB69838F-5B49-43E1-8C10-CF2237E3137A

RÉSOLUTION ÉCRITE DES ADMINISTRATEURS
LITHIUM INNOVA INC. (la « Société »)

WRITTEN RESOLUTION OF THE DIRECTORS OF
INNOVA LITHIUM INC. (the"Corporation")

DEMANDE D'AUTORISATION MINISTÉRIELLE OU DE TOUT AUTRE TYPE DE BAIL, PERMIS OU AUTORISATION AUPRÈS DU MINISTÈRE DES RESSOURCES NATURELLES ET FORÊTS, ET/OU AUPRÈS DU MINISTÈRE DE L'ENVIRONNEMENT, DE LA LUTTE CONTRE LES CHANGEMENTS CLIMATIQUES, DE LA FAUNE ET DES PARCS

REQUEST OF A MINISTERIAL AUTHORIZATION OR ANY TYPE OF LEASE, PERMIT OR AUTHORIZATION FROM THE MINISTÈRE DES RESSOURCES NATURELLES ET FORÊTS AND/OR FROM THE MININSTÈRE DE L'ENVIRONNEMENT, DE LA LUTTE CONTRE LES CHANGEMENTS CLIMATIQUES, DE LA FAUNE ET DES PARCS

ATTENDU QUE la Société a besoin de baux, permis et autorisations pour accomplir ses activités.

WHEREAS the Corporation needs leases, permits and authorizations to carry out its activities.

PAR CONSÉQUENT IL EST RÉSOLU d'autoriser l'un de Cathryn Moffett, Darren Smith ou Kenneth Brinsden à agir au nom de la Société et de signer toute demande d'autorisation ministérielle ou toute autre demande de bail, permis ou autorisation auprès du Ministère des Ressources naturelles et Forêts, et/ou auprès du Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs.

one of Cathryn M or Kenneth Brinsden be authorized to act on behalf of the Corporation to sign any request for ministerial authorization or any request for leases, permits or authorizations from the Ministère des Ressources naturelles et Forêts, et/ou auprès du Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs.

VALIDITÉ
Cette résolution écrite, effective le 12 mars 2025, est signée par tous les administrateurs habiles à voter sur cette résolution conformément à l'article 140 de la *Loi sur les sociétés par actions* (Québec).

VALIDITY
This written resolution, effective March 12, 2025, is signed by all the directors entitled to vote on that resolution as provided in Section 140 of the *Business Corporations Act* (Québec).

DocuSigned by:
Blair Way AE6F27FCA851489...

DocuSigned by:
Ken Brinsden
Ken Brinsden BE68738928 1C457...

Signed by:
Brian Jennings
Brian Jennings 879FB97494...

DocuSigned by:
Pierre Boivin
Pierre Boivin 7D617B3491...

Signé par :
Mélissa Desrochers C4114AC...

Annexe E

Lettre mandat de Ressources PMET inc. à GCM Enviro

Le 11 mars 2026

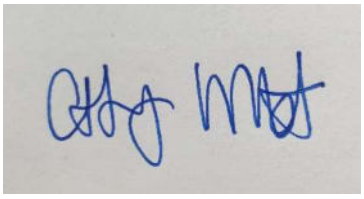
Direction de la restauration des sites miniers
Ministère des Ressources naturelles et des Forêts
400, boul. Lamaque, local 1.02
Val d'Or (Québec) J9P 3L4

Objet : Lettre mandat – Plan de restauration du projet minier Shaakichiuwaanaan

Madame,

J'atteste que Ressources PMET Inc., par l'entremise de sa filiale Innova Lithium Inc., a mandaté la firme GCM Enviro Synergies le 10 janvier 2025 pour la réalisation du plan de restauration conceptuel de la propriété Shaakichiuwaanaan.

Veuillez agréer, Madame, Monsieur, nos salutations distinguées.



Cathryn Moffett
Vice-Présidente – Environnement et autorisations
cmoffett@pmet.ca

Annexe F

Liste des claims constituant la propriété Shaakichiuwaanaan

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	FCI-West	33G09	CDC	58090
Shaakichiuwaanaan	FCI-West	33G09	CDC	58091
Shaakichiuwaanaan	FCI-West	33G09	CDC	58092
Shaakichiuwaanaan	FCI-West	33G09	CDC	58093
Shaakichiuwaanaan	FCI-West	33G09	CDC	58094
Shaakichiuwaanaan	FCI-West	33G09	CDC	58098
Shaakichiuwaanaan	FCI-West	33G09	CDC	58099
Shaakichiuwaanaan	FCI-West	33G09	CDC	58100
Shaakichiuwaanaan	FCI-West	33G09	CDC	58101
Shaakichiuwaanaan	FCI-West	33G09	CDC	58102
Shaakichiuwaanaan	FCI-West	33G09	CDC	58103
Shaakichiuwaanaan	FCI-East	33H12	CDC	58108
Shaakichiuwaanaan	FCI-East	33H12	CDC	58109
Shaakichiuwaanaan	FCI-East	33H12	CDC	58110
Shaakichiuwaanaan	FCI-East	33H12	CDC	58111
Shaakichiuwaanaan	FCI-East	33H12	CDC	58166
Shaakichiuwaanaan	FCI-East	33H12	CDC	58171
Shaakichiuwaanaan	FCI-East	33H12	CDC	58175
Shaakichiuwaanaan	FCI-East	33H12	CDC	58176
Shaakichiuwaanaan	FCI-East	33H12	CDC	58177
Shaakichiuwaanaan	FCI-East	33H12	CDC	58178
Shaakichiuwaanaan	FCI-East	33H12	CDC	58179
Shaakichiuwaanaan	FCI-East	33H12	CDC	58181
Shaakichiuwaanaan	FCI-East	33H12	CDC	58182
Shaakichiuwaanaan	FCI-West	33G09	CDC	58231
Shaakichiuwaanaan	FCI-West	33G09	CDC	58232
Shaakichiuwaanaan	FCI-West	33G09	CDC	58233
Shaakichiuwaanaan	FCI-West	33G09	CDC	58234
Shaakichiuwaanaan	FCI-West	33G09	CDC	58235
Shaakichiuwaanaan	FCI-West	33G09	CDC	58236
Shaakichiuwaanaan	FCI-West	33G09	CDC	58237
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021045
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021046
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021047
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021048
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021049
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021050
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021051
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021052
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021053
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021054
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021055
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021056
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021057
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021058

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021059
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021060
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021061
Shaakichiuwaanaan	FCI-West	33G09	CDC	2021062
Shaakichiuwaanaan	FCI-West	33G09	CDC	2024264
Shaakichiuwaanaan	FCI-West	33G09	CDC	2024265
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099380
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099382
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099384
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099386
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099388
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099390
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099392
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099393
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099395
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099398
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099399
Shaakichiuwaanaan	FCI-West	33G08	CDC	2099401
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120677
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120678
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120679
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120680
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120681
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120682
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120683
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120684
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120685
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120686
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120687
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120688
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120689
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120690
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120691
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120692
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120694
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120696
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120697
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120698
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120699
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120700
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120701
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120702
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120703
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120704
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120705

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120711
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120712
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120713
Shaakichiuwaanaan	FCI-West	33G08	CDC	2120714
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120717
Shaakichiuwaanaan	FCI-West	33G09	CDC	2120719
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125067
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125068
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125069
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125070
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125073
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125075
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125076
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125079
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125080
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125081
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125091
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125092
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125093
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125094
Shaakichiuwaanaan	FCI-East	33H12	CDC	2125095
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461438
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461439
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461440
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461441
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461442
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461443
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461444
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461445
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461446
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461447
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461448
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461449
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461450
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461451
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461452
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461453
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461454
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461455
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461456
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461457
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461458
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461459
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461460
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461461

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461462
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2461463
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468204
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468205
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468206
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468207
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468208
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468209
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468210
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468211
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468212
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468213
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468214
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468215
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468216
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468217
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468218
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468219
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468220
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468221
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468222
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468223
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468224
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468225
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468226
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468227
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468228
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468229
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468230
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468231
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468232
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468233
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468234
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468235
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468236
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468237
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468238
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468239
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468240
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468241
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468242
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468243
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468244
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468245
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468246

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468247
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2468248
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2497825
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2497826
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2497827
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2497828
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2497829
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2510220
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520593
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520594
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520595
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520596
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520597
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520598
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520599
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520600
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520601
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520602
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520603
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520604
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520605
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520606
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520607
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520608
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520609
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520610
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520611
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520612
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520613
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520614
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520615
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520616
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520617
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520618
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520619
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520620
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520621
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520622
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520623
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520624
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520625
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520626
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520627
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520628
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520629

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520630
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520631
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520632
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520633
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520634
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520635
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520636
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520637
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520638
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520639
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520640
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520641
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520642
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520643
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520644
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520645
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520646
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520647
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520648
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520649
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520650
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520651
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520652
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520653
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520654
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520655
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520656
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520657
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520658
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520659
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520660
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520661
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520662
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520663
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520664
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520665
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520666
Shaakichiuwaanaan	Corvette-Main	33H12	CDC	2520667
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520668
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520669
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520670
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520671
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520672
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520673
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520674

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520675
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520676
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520677
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520678
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520679
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520680
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520681
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520682
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520683
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520684
Shaakichiuwaanaan	Corvette-Main	33G08	CDC	2520685
Shaakichiuwaanaan	Corvette-Main	33H05	CDC	2520686
Shaakichiuwaanaan	Corvette-Main	33H05	CDC	2520687
Shaakichiuwaanaan	Corvette-Main	33H05	CDC	2520688
Shaakichiuwaanaan	Felix	33G09	CDC	2531732
Shaakichiuwaanaan	Felix	33G09	CDC	2531733
Shaakichiuwaanaan	Felix	33G09	CDC	2531734
Shaakichiuwaanaan	Felix	33G09	CDC	2531735
Shaakichiuwaanaan	Felix	33G09	CDC	2531736
Shaakichiuwaanaan	Felix	33G09	CDC	2531737
Shaakichiuwaanaan	Felix	33G09	CDC	2531738
Shaakichiuwaanaan	Felix	33G09	CDC	2531739
Shaakichiuwaanaan	Felix	33G09	CDC	2531740
Shaakichiuwaanaan	Felix	33G09	CDC	2531741
Shaakichiuwaanaan	Felix	33G09	CDC	2531742
Shaakichiuwaanaan	Felix	33G09	CDC	2531743
Shaakichiuwaanaan	Felix	33G09	CDC	2531744
Shaakichiuwaanaan	Felix	33G09	CDC	2531745
Shaakichiuwaanaan	Felix	33G09	CDC	2531746
Shaakichiuwaanaan	Felix	33G09	CDC	2531747
Shaakichiuwaanaan	Felix	33G09	CDC	2531748
Shaakichiuwaanaan	Felix	33G09	CDC	2531749
Shaakichiuwaanaan	Felix	33G09	CDC	2531750
Shaakichiuwaanaan	Felix	33G09	CDC	2531751
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2536272
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2536273
Shaakichiuwaanaan	Deca-Goose	33H12	CDC	2536274
Shaakichiuwaanaan	Deca-Goose	33H12	CDC	2536275
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2536296
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2536297
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2536298
Shaakichiuwaanaan	Deca-Goose	33G08	CDC	2536477
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2574882
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2574883
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2574884

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2574885
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2574886
Shaakichiuwaanaan	Corvette East	33H12	CDC	2621215
Shaakichiuwaanaan	Corvette East	33H12	CDC	2621216
Shaakichiuwaanaan	Corvette East	33H12	CDC	2621217
Shaakichiuwaanaan	Corvette East	33H12	CDC	2621218
Shaakichiuwaanaan	Corvette East	33H12	CDC	2621219
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623807
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623808
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623809
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623810
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623811
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623812
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623813
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623814
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623815
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623816
Shaakichiuwaanaan	Corvette East	33H12	CDC	2623817
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626748
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626749
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626750
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626751
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626752
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626753
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626754
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626755
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626756
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626757
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626758
Shaakichiuwaanaan	Deca-Goose	33G09	CDC	2626759
Shaakichiuwaanaan	Deca-Goose	33H12	CDC	2626760
Shaakichiuwaanaan	Deca-Goose	33H12	CDC	2626761
Shaakichiuwaanaan	Deca-Goose	33H12	CDC	2626762
Shaakichiuwaanaan	Deca-Goose	33H12	CDC	2626763
Shaakichiuwaanaan	Deca-Goose	33H12	CDC	2626764
Shaakichiuwaanaan	JBN57	33H12	CDC	2627351
Shaakichiuwaanaan	JBN57	33H12	CDC	2627352
Shaakichiuwaanaan	JBN57	33H12	CDC	2627353
Shaakichiuwaanaan	JBN57	33H12	CDC	2627354
Shaakichiuwaanaan	JBN57	33H12	CDC	2627355
Shaakichiuwaanaan	JBN57	33H12	CDC	2627356
Shaakichiuwaanaan	JBN57	33H12	CDC	2627357
Shaakichiuwaanaan	JBN57	33H12	CDC	2627358
Shaakichiuwaanaan	JBN57	33H12	CDC	2627359
Shaakichiuwaanaan	JBN57	33H12	CDC	2627360

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	JBN57	33H12	CDC	2627361
Shaakichiuwaanaan	JBN57	33H12	CDC	2627362
Shaakichiuwaanaan	JBN57	33H12	CDC	2627363
Shaakichiuwaanaan	JBN57	33H12	CDC	2627364
Shaakichiuwaanaan	JBN57	33H12	CDC	2627365
Shaakichiuwaanaan	JBN57	33H12	CDC	2627366
Shaakichiuwaanaan	JBN57	33H12	CDC	2627367
Shaakichiuwaanaan	JBN57	33H12	CDC	2627368
Shaakichiuwaanaan	JBN57	33H12	CDC	2627369
Shaakichiuwaanaan	JBN57	33H12	CDC	2627370
Shaakichiuwaanaan	JBN57	33H12	CDC	2627371
Shaakichiuwaanaan	JBN57	33H12	CDC	2627372
Shaakichiuwaanaan	JBN57	33H12	CDC	2627373
Shaakichiuwaanaan	JBN57	33H12	CDC	2627374
Shaakichiuwaanaan	JBN57	33H12	CDC	2627375
Shaakichiuwaanaan	JBN57	33H12	CDC	2627376
Shaakichiuwaanaan	JBN57	33H12	CDC	2627377
Shaakichiuwaanaan	JBN57	33H12	CDC	2627378
Shaakichiuwaanaan	JBN57	33H12	CDC	2627379
Shaakichiuwaanaan	JBN57	33H12	CDC	2627380
Shaakichiuwaanaan	JBN57	33H12	CDC	2627381
Shaakichiuwaanaan	JBN57	33H12	CDC	2627382
Shaakichiuwaanaan	JBN57	33H12	CDC	2627383
Shaakichiuwaanaan	JBN57	33H12	CDC	2627384
Shaakichiuwaanaan	JBN57	33H12	CDC	2627385
Shaakichiuwaanaan	JBN57	33H12	CDC	2627386
Shaakichiuwaanaan	JBN57	33H12	CDC	2627387
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628013
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628014
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628015
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628016
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628017
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628018
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628019
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628020
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628021
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628022
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628023
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628024
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628025
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628026
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628027
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628028
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628029
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628030

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628031
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628032
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628033
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628034
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628035
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628036
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628037
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628038
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628039
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628040
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628041
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628042
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628043
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628044
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628045
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628046
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628047
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628048
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628049
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628050
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628051
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628052
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628053
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628054
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628055
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628056
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628057
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628058
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628059
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628060
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628061
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628062
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628063
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628064
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628065
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628066
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628067
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628068
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628069
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628070
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628071
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628072
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628073
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628074
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628075

Property	Block	FEU_NO	TER_CODE	TIT_NO
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628076
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628077
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628078
Shaakichiuwaanaan	Corvette East	33H12	CDC	2628079
Shaakichiuwaanaan	KCG	33H12	CDC	2636839
Shaakichiuwaanaan	KCG	33H12	CDC	2636840
Shaakichiuwaanaan	KCG	33H12	CDC	2636841
Shaakichiuwaanaan	KCG	33H12	CDC	2636843
Shaakichiuwaanaan	KCG	33H12	CDC	2636844
Shaakichiuwaanaan	KCG	33H12	CDC	2636845
Shaakichiuwaanaan	KCG	33H12	CDC	2636846
Shaakichiuwaanaan	JBN57	33H12	CDC	2655998
Shaakichiuwaanaan	JBN57	33H12	CDC	2655999

Annexe G

Études de caractérisation géochimique

G1. Caractérisation géochimique et modélisation des matériaux de résidus miniers pour le projet Shaakichiuwaanaan (Vision Geochemistry, 2025)

G2. Note technique portant sur la caractérisation géochimique (Atkins, 2026a)

G1. Caractérisation géochimique et modélisation des matériaux de résidus miniers pour le projet Shaakichiuwaanaan (Vision Geochemistry, 2025)



VISION GEOCHEMISTRY

Caractérisation géochimique et modélisation des matériaux de résidus miniers pour le projet Shaakichiuwaanaan (pegmatite CV5) : mise à jour de l'étude de faisabilité

Rapport technique

Ressources PMET Inc.

ID du projet : VGL-24-05-007

Référence : 2405007-TR1-FR

3 décembre 2025

Préparé par :



Nicolas Rey, Ph.D., EurGeol

Chargé des aspects modélisation hydrogéochimique

Vision Geochemistry Ltd.

Révisé par :



Neal Sullivan, Ph.D., géo.

OGQ#: 2399

Président et géochimiste principal

Vision Geochemistry Ltd.

Déclaration de limites

Ce rapport a été préparé par Vision Geochemistry Ltd. pour PMET Resources Inc. dans le cadre de l'Étude de faisabilité du projet Shaakichiuwaanaan (pegmatite CV5) et fournit une caractérisation géochimique ainsi qu'une modélisation des rejets miniers.

Lors de la préparation de ce rapport, Vision Geochemistry Ltd. s'est appuyé sur des informations provenant de tiers et n'a pas vérifié l'exactitude de celles-ci de manière indépendante. Les résultats, interprétations et conclusions présentés dans ce rapport sont destinés uniquement à une évaluation de niveau faisabilité et ne constituent pas une prédiction définitive des conditions futures. Les interprétations et conclusions relatives à la caractérisation géochimique et à la modélisation des rejets miniers doivent être mises à jour au fur et à mesure de la disponibilité de nouvelles données ou informations.

Bien qu'une attention raisonnable ait été portée à la préparation du rapport, aucune garantie n'est donnée quant à l'exactitude ou l'exhaustivité des données ou des conclusions. Ce rapport doit être utilisé uniquement par PMET Resources Inc. et ses conseillers, en tenant compte et en intégrant pleinement les limites énoncées.

Résumé exécutif

Vision Geochemistry Ltd. (« Vision ») a été mandaté par PMET Resources Inc. (« PMET ») pour réaliser une évaluation géochimique dans le cadre de l'Étude de faisabilité (FS) et de l'Étude d'impact environnemental et social (ESIA) du projet de lithium Shaakichiuwaanaan, situé dans la région administrative du Nord-du-Québec, à environ 345 km à l'est de la baie James. L'objectif principal de cette étude est de caractériser le comportement géochimique des différents matériaux miniers devant être gérés sur le site, d'évaluer les risques environnementaux associés et de soutenir la conception environnementale du site. Au stade de la faisabilité, l'accent a été mis sur l'évaluation des risques liés aux matériaux destinés à être disposés dans les haldes Stockpile-001 (stériles), Stockpile-002 (stériles et résidus) et au parc à minerai.

Un total de 350 échantillons environnementaux, incluant 316 échantillons de stériles provenant de quatre lithologies — amphibolite (n=128), métasédiment (n=101), pegmatite stérile (n=33) et ultramafique (n=54) — ainsi que du minerai (pegmatite à spodumène ; n=25) et des résidus (n=15), ont été soumis à des essais statiques afin d'évaluer leur potentiel de génération d'acide et leur potentiel de lixiviation des métaux.

Les résultats de du bilan acide-base (acid-base accounting, ABA) ont indiqué que 28,2 % des stériles, 88,0 % du minerai (pegmatite à spodumène) et 77,8 % des résidus pouvaient être classés Non-PAG. Globalement, 26,7 % des échantillons de stériles ont été classés PAG, incluant 12,5 % de l'amphibolite (n=16), 35,6 % des métasédiment (n=36), 3,0 % de la pegmatite stérile (n=1) et 5,6 % de l'ultramafique (n=3). En comparaison, le minerai (pegmatite à spodumène) et les résidus ne comptaient que 4,0 % d'échantillons PAG. Tous les échantillons de résidus ont été classés Non-PAG.

Sur la base de l'analyse des données ABA, il a été recommandé d'envisager une ségrégation des matériaux présentant une teneur totale en soufre supérieure à 0,3 % et de les placer dans la halde Stockpile-002 afin de constituer la halde Non-PAG, Stockpile-001.

L'analyse des teneurs extractibles par eau régale a révélé une large gamme d'éléments enrichis par rapport aux concentrations de fond du Province géologique du Supérieur, l'arsenic étant l'élément le plus fréquemment enrichi, avec 79,4 % des échantillons dépassant dix fois la concentration de fond. Les autres éléments enrichis identifiés comprennent le cuivre (40,8 % de dépassements) et le nickel (30,9 % de dépassements).

Les essais de lixiviation SPLP et CTEU-9 ont partiellement reflété les enrichissements observés lors des extractions à l'eau régale, mettant en évidence des éléments similaires. Ces procédures ont permis d'identifier des risques potentiels de lixiviation associés à l'aluminium, l'antimoine, l'arsenic, le cuivre, le nickel, le lithium et l'uranium dans les stériles, le minerai et les résidus. Toutefois, aucun des 350 échantillons testés ne présentait de caractéristiques de « risque élevé » selon la directive 019 (D019).

Les essais cinétiques comprenaient la poursuite de 16 essais en cellules d'humidité (HCT, incluant un doublon) sur les stériles et le minerai, ainsi que le lancement de 5 essais en colonnes sur les résidus. Les données issues des essais cinétiques ont été utilisées pour affiner le criblage des COPC, permettant de confirmer ou d'écarter les risques potentiels de lixiviation. Notamment, les

résultats indiquent que si des conditions acides venaient à se développer dans le Stockpile-002, des métaux de base tels que l'aluminium, le cuivre et le nickel seraient susceptibles d'être lixiviés. De plus, les essais en colonnes sur les résidus ont montré que des dépassements en arsenic, antimoine et, dans une moindre mesure, lithium, pourraient être anticipés dans le Stockpile-002.

Le modèle géochimique des haldes a été élaboré à partir des données cinétiques extrapolées aux conditions de terrain et couplées à une distribution aléatoire des caractéristiques des stériles provenant de la base de données de forage (drillhole database, DHDB ; 4 678 échantillons de stériles). Les modèles visaient à prédire les concentrations en COPC dans les eaux de contact des stériles et des résidus au Stockpile-001 et au Stockpile-002, à soutenir la conception de la halde Stockpile-001 (Non-PAG/Non-ML ; classification D019 – Faible risque), et à éclairer la conception de la halde Stockpile-002 (PAG/ML ; classification D019 – Acidogène/Lessivable) ainsi que du système de traitement des eaux associé.

Les résultats de modélisation indiquent que la mise en place d'un protocole de ségrégation — notamment la séparation de la lithologie ultramafique et de tout matériau présentant une concentration en arsenic supérieure à 30 ppm — devrait prévenir la lixiviation à partir du Stockpile-001, maintenant les concentrations d'arsenic sous le Critère de la Vie Aquatique, Aigu (CVAA) du MELCCFP, ainsi qu'au-dessous des critères du Règlement sur les effluents des mines de métaux et de diamants (MDMER) et de la D019. À l'inverse, des conditions de lixiviation ont été identifiées dans le Stockpile-002, avec des concentrations d'arsenic dépassant les critères MDMER/D019 de jusqu'à deux ordres de grandeur, principalement en raison de la contribution des résidus. De même, l'antimoine et, dans une moindre mesure, le lithium devraient être lixiviés du Stockpile-002, en grande partie en raison des résidus.

Les prédictions de la qualité de l'eau à la halde Stockpile-002 indiquent que l'infiltration des eaux de percolation vers le système d'eau souterraine pourrait se produire si aucune mesure d'atténuation n'est mise en œuvre. Pour prévenir un éventuel retour des contaminants vers les eaux de surface, des mesures de contrôle de l'infiltration seront nécessaires. Par ailleurs, les eaux de drainage provenant de la halde devraient nécessiter une collecte et un traitement avant leur rejet afin de minimiser tout impact environnemental potentiel. Des mesures d'ingénierie et des contrôles opérationnels appropriés seront conçus conformément aux réglementations environnementales applicables et aux meilleures pratiques.

Résumé exécutif ..... **i**
1.0 Introduction **1**
2.0 Matériel et méthode **2**
2.1 Conception du programme 2
2.2 Méthodologie d'échantillonnage 2
2.3 Inventaire des échantillons 3
2.4 Bilan acide-base 5
2.5 Composition chimique globale 6
2.6 Essais de lixiviation 6
2.7 Critères de classification 7
2.7.1 Classification par bilan acide-base 7
2.7.2 Potentiel de lixiviation 7
2.8 Essais cinétiques 8
2.8.1 Essais en cellules humides 8
2.8.2 Essais en colonne 9
2.9 Modélisation géochimique 10
2.9.1 Modèle conceptuel et hypothèses 11
2.9.2 Développement des termes sources 12
2.9.3 Facteurs d'échelle 15
2.9.4 Autres mécanismes à l'échelle du terrain influençant la mobilisation de l'arsenic 18
2.9.5 Conception technique 19
2.9.6 Simulations de modèles 24
3.0 Résultats de la caractérisation géochimique **26**
3.1 Bilan acide-base 26
3.1.1 Analyse de la spéciation du carbone 26
3.1.2 Analyse de la spéciation du soufre 27
3.1.3 Évaluation du potentiel de neutralisation et d'acidification 28
3.1.4 Résumé et interprétation 31
3.2 Constituants extractibles et potentiel de lixiviation 35
3.2.1 Constituants extractibles 36
3.2.2 Essais SPLP 42

3.2.3 essais de lixiviation CTEU-9 45
3.2.4 Essais de lixiviation TCLP 49
3.2.5 Résumé et interprétation 49
3.3 Essais cinétiques 51
3.3.1 Essais en cellules humides 51
3.3.2 Essai sur colonne 67
3.3.3 Résumé et interprétation 77
3.4 Résultats de la modélisation géochimique 81
3.4.1 Charge en arsenic des stériles 81
3.4.2 Tendances modélisées de la concentration en arsenic dans le Stockpile-001 82
3.4.3 Tendances modélisées de la concentration des COPC dans le Stockpile-002 83
3.5 Limites du modèle 85
3.6 Criblage des COPC 86
3.6.1 Criblage des COPC par essais statiques 86
3.6.2 Criblage des COPC par essais cinétiques 89
3.6.3 Sélection finale 93
4.0 Conclusion 95
4.1 Recommandations et poursuite des essais géochimiques 96
4.1.1 Essais en barils de terrain 96
4.1.2 Essais en colonne confirmatoires sur les matériaux de Stockpile-001 97
4.1.3 Remblayage de la fosse avec les matériaux PAG de Stockpile-002 97
4.1.4 Analyse comparative entre HCT et les essais en colonnes de l'UQAT 97
4.1.5 Essais sur les matériaux de remblayage des résidus miniers 98
4.1.6 Modèle cinétique de qualité de l'eau dans les fosses 98
5.0 Bibliographie 99

1.0 Introduction

Le projet Shaakichiuwaanaan, mené par PMET Resources Inc. (PMET) et situé dans la région administrative du Nord-du-Québec, à environ 345 km à l'est de la baie James, constitue le plus important projet de développement du lithium en Amérique. Il comprend un gisement principal (CV5) de 77 Mt de pegmatite à spodumène présentant une teneur de 1,44 % Li_2O. Une partie de l'extraction sera réalisée à ciel ouvert, générant un volume substantiel de stériles estimé à 155 Mt, répartis en quatre grands types lithologiques : amphibolites, métasédiment, pegmatites stériles et roches ultramafiques. La gestion adéquate de ces matériaux nécessite de prendre en compte les risques géochimiques liés à la lixiviation de constituants d'intérêt environnemental (constituents of potential concern, COPC), comme l'arsenic en conditions de pH neutre, c'est-à-dire dans le cadre d'un drainage neutre contaminé (neutral rock drainage, NRD), ainsi que la génération de drainage rocheux acide (DRA) résultant de l'oxydation des minéraux sulfurés.

L'objectif principal de cette étude est de caractériser le comportement géochimique des différents matériaux miniers qui seront gérés sur le site, d'évaluer les risques environnementaux associés et de soutenir la conception environnementale du projet. À l'étape de faisabilité, une attention particulière a été portée sur l'évaluation des risques liés aux matériaux destinés à être entreposés dans le Stockpile-001 (stériles), le Stockpile-002 (stériles et résidus), ainsi que dans la halde à minerai.

Ce rapport s'inscrit dans la continuité du programme préliminaire de caractérisation géochimique BBA/Vision (2024a), basé sur un jeu de données limité (n = 84 échantillons). Il intègre également les travaux exploratoires de modélisation réalisés par BBA/Vision (2024b), qui visaient à simuler le comportement géochimique de haldes de stériles présentant diverses géométries et compositions. La présente étude affine ces travaux en fournissant des prédictions géochimiques cinétiques fondées sur la conception ingénierique actuelle et en soutenant les stratégies de gestion de l'eau, des stériles, du minerai et des résidus, ainsi que les estimations correspondantes des coûts en capital (CAPEX), d'exploitation (OPEX) et de restauration.

Le programme de caractérisation géochimique présenté ici a été élaboré pour répondre aux exigences des instances provinciales et fédérales. Plus spécifiquement, l'étude est alignée sur les lignes directrices relatives à la lixiviation des métaux et drainage rocheux acide (ML/DRA) définies dans le Guide de caractérisation des résidus miniers et du minerai (MELCC, 2020), désormais MELCCFP (Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs), tout en tenant compte du Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials – Report 1.20.1 (MEND, 2009).

2.0 Matériel et méthode

2.1 Conception du programme

La caractérisation géochimique a été menée selon un programme en trois phases. Cette approche séquentielle, itérative et adaptative a été conçue pour permettre d'ajuster chaque phase en fonction des résultats obtenus lors des phases précédentes.

- La phase 1 comprenait la caractérisation géochimique statique des principaux matériaux miniers (stériles, minerai, résidus DMS préliminaires) afin d'établir une première caractérisation, d'identifier les CIE et d'évaluer la variabilité géochimique.
- La phase 2 a été conçue à partir des résultats de la Phase 1, elle portait sur la caractérisation cinétique au moyen d'essais en cellules humides (HCT), afin de mieux comprendre la lixiviation des métaux, la génération de drainage rocheux acide (DRA) et la mobilité des éléments dans le temps. Ces résultats ont servi d'intrants pour les exercices de modélisation géochimique et de qualité de l'eau.
- La phase 3 comprenait la caractérisation statique sur une taille de population d'échantillons conforme aux lignes directrices réglementaires (MELCC, 2020 ; SRK, 1989) (Phase 3a), ainsi que la réalisation d'essais cinétiques d'échelle intermédiaire comprenant colonnes de laboratoire et des essais en barils sur le terrain (Phase 3b).

2.2 Méthodologie d'échantillonnage

La stratégie ayant guidé la sélection des échantillons de stériles miniers et de minerai visait à capturer à la fois la variabilité géochimique et spatiale en ciblant les aspects suivants :

- Un échantillonnage pondéré des unités de stériles en fonction des proportions lithologiques prévues dans le plan d'extraction ;
- La variabilité spatiale le long de la minéralisation ainsi qu'en profondeur ;
- La proximité avec la zone minéralisée ;
- La variabilité géochimique basée sur un premier examen des COPC, notamment l'arsenic, l'antimoine et le lithium ;
- La variabilité des teneurs en sulfures.

Les échantillons ont été sélectionnés dans la base de données DHDB pour constituer des échantillons composites regroupant de 2 à 8 carottes individuelles, représentant idéalement des intervalles continus de 10 m, bien que la longueur réelle des composites varie entre 2 et 12 m selon la disponibilité. Ce niveau de résolution est approprié pour la ségrégation des stériles, car il correspond généralement à la hauteur de banquette d'environ 10 m prévue dans la conception de la future fosse à ciel ouvert. Il contribue également à améliorer la représentativité spatiale en réduisant le poids des intervalles atypiques.

Les échantillons sélectionnés pour les essais statiques des phases 1 et 3 proviennent de rejets d'analyses déjà existants, conservés aux laboratoires SGS de Burnaby (C.-B.). Ces rejets ont été expédiés au laboratoire SGS de Lakefield (ON), où la préparation des échantillons composites a été réalisée. Les échantillons destinés aux essais cinétiques de la phase 2 ont été prélevés dans les archives de carottes, découpés en quarts de carottes, puis expédiés à SGS pour concassage et tamisage à 6,3 mm.

Les échantillons de résidus utilisés dans cette étude ont été fournis par Primero et sélectionnés afin de représenter les principaux flux de traitement attendus du concentrateur. L'approche d'échantillonnage visait à capturer la variabilité géochimique associée aux différents produits de résidus générés au cours du procédé. Des échantillons représentatifs ont ainsi été obtenus pour chacun des flux principaux :

- DMS Flottation ;
- DMS Middlings ;
- Magnétiques (fraction grossière) ;
- Magnétiques (fraction fine) ;
- Résidus de flottation (fraction grossière) ;
- Résidus de flottation (fraction fine) ;
- Bypass fins.

2.3 Inventaire des échantillons

Au total, 316 échantillons de stériles ont été sélectionnés pour les programmes d'essais statiques des phases 1 et 3. Ces échantillons représentaient quatre lithologies généralisées de stériles : amphibolite, métasédiment, pegmatite stérile et roche ultramafique. De plus, 25 échantillons de minerai provenant de la lithologie pegmatite spodumène et 15 échantillons de résidus provenant de divers flux de traitement ont été inclus dans le programme d'essais. Tous les échantillons ont été soumis aux laboratoires SGS pour des essais statiques. De plus, un sous-ensemble de ces échantillons a été soumis à des essais cinétiques.

Le résumé des échantillons par type de matériau, présenté dans le **Tableau 1**, indique que le nombre d'échantillons de stériles collectés représente environ la moitié de la quantité recommandée par les lignes directrices de la SRK (1989). Ce niveau d'échantillonnage est conforme aux pratiques courantes de l'industrie. De plus, la base de données DHDB exhaustive compilée pour ces matériaux dans toute la zone d'extraction pendant la phase d'exploration contribuera à réduire considérablement l'incertitude de l'évaluation.

Tableau 1. Résumé des échantillons prélevés par lithologie et types de matériaux associés

Lithologie	Masse[1] (Mt)	Nombre recommandé d'échantillons[2]	Échantillons de phase 1	Échantillons de phase 3	Total des échantillons
Amphibolite	61	203	30	98	128
Métasédiment	60,5	202	25	76	101
Pegmatite stérile	10,4	84	13	20	33
Ultramafique	23,1	125	6	48	54
Total des stériles	**155,0**	**614**	**74**	**242**	**316**
Minerai (pegmatite spodumène)	77,0	175	8	17	25
Résidus miniers	54,0	123	2	13	15
Total minerai et résidus[3]	**131,0**	**298**	**10**	**30**	**40**

[1]Estimation de l'étude de faisabilité ; [2]SRK (1989) et MELCC (2020) ; [3]Taille de l'échantillon calculée pour le minerai et les résidus combinés, car les deux produits proviennent de la même lithologie.

Le programme de caractérisation géochimique mené sur les échantillons sélectionnés comprenait des méthodes d'essai statiques telles que le bilan acide-base (acid-base accounting ABA) et l'analyse de la teneur en métaux extractibles par digestion partielle à l'eau régale. Il comprenait également des essais de lixiviation statiques, tels que la procédure de lixiviation par précipitation synthétique (SPLP), la CTEU-9 et la procédure de lixiviation caractéristique de la toxicité (TCLP) (**Tableau 2**).

De plus, des essais cinétiques ont été réalisés. Ceux-ci comprenaient des essais en cellules humide (humidity cell test, HCT) effectués sur une sélection d'échantillons énumérés ci-dessus, ainsi que des essais en colonne et des essais sur le terrain (FBT), qui ont été réalisés à partir d'échantillons composites provenant de la sélection et d'échantillons de carottes supplémentaires prélevés dans les archives du projet. Les certificats d'analyse de tous les essais réalisés dans le cadre du présent programme géochimique sont présentés à l'**Annexe A**.

Tableau 2. Résumé des échantillons soumis aux essais statiques

Lithologie	Total des échantillons	ABA	Eau régale	SPLP et CTEU-9	TCLP
Amphibolite	128	128	128	128	41
Métasédiment	101	101	101	101	50
Pegmatite stérile	33	33	33	33	13
Ultramafique	54	54	54	54	8
Total des stériles	**316**	**316**	**316**	**316**	**112**
Minerai (pegmatite spodumène)	25	25	25	25	8
Résidus miniers	9	9	9	9	9

2.4 Bilan acide-base

L'ABA comprend un ensemble de procédures d'essais en laboratoire et un cadre d'interprétation des données conçu pour déterminer si un matériau doit être qualifié de potentiellement générateur d'acide (potentially acid generating, PAG) ou non potentiellement générateur d'acide (non-potentially acid-generating, Non-PAG) en quantifiant et en comparant le potentiel de neutralisation (neutralization potential, NP) et le potentiel d'acidité (acidity potential, AP).

L'ABA a été réalisé conformément à la méthode CEAEQ MA.110 ACISOL1.0, comme recommandé par le Ministère de l'Environnement, de la Lutte contre le Changement Climatique, de la Faune et des Parcs (MELCCFP) dans le *Guide de caractérisation des résidus miniers et du minerai* (2020).

Le NP d'un matériau, exprimé en kg$CaCO_3$/tonne, dépend généralement de la teneur et de la disponibilité en calcite ($CaCO_3$) et en dolomite ($Ca,Mg(CO_3)_2$), car ces minéraux ont tendance à se dissoudre rapidement et à fournir du NP en libérant du CO_3^{2-} lorsqu'ils sont exposés à l'acidité, tout en maintenant un pH neutre dans l'eau de contact. En outre, certains minéraux silicatés peuvent également représenter une partie du NP, bien que leur participation ait tendance à être plus faible en raison de leur vitesse de dissolution plus lente.

La NP d'un matériau peut être mesuré soit directement à l'aide d'une procédure de laboratoire inspirée de la méthode Sobek (Sobek, 1978, appelée ici Sobek-NP), soit théoriquement, sur la base de la teneur en carbone carbonaté (CO_3-NP) de l'échantillon (MEND, 2009).

Le Sobek-NP est estimé en acidifiant un échantillon pulvérisé de matière solide à l'aide d'une solution d'HCl afin d'épuiser tout son potentiel de neutralisation, avant de le titrer à nouveau à un pH de 7 à l'aide d'une solution de Na(OH). La différence entre le HCl et le Na(OH) utilisés pendant l'essai peut être utilisée pour dériver le Sobek-NP du matériau, qui inclut la contribution des minéraux carbonatés et la partie la plus réactive des minéraux silicatés.

Le CO_3-NP est une estimation théorique basée sur l'hypothèse que le NP du matériau repose essentiellement sur la présence de minéraux carbonatés. Le CO_3-NP peut être calculé à partir de la teneur en carbonate ou de la teneur totale en carbone, si la teneur en carbone de l'échantillon s'avère représentative de la teneur en carbonate. L'équation utilisée pour calculer le CO_3-NP est la suivante :

$$CO_3\text{-}NP\ (kgCaCO_3/tonne) = \%C \times (M_{CaCO_3}/M_C) \times 10$$

Où $\%C$ est le pourcentage de carbone carbonaté ou de carbone total, M_{CaCO_3} est la masse molaire du carbonate (= 100,086 g/mol), et M_C est la masse molaire du carbone (= 12,011 g/mol).

Le potentiel d'acidification (PA) des échantillons peut être estimé par un calcul théorique à partir de la teneur en soufre sous forme de sulfure, ou de la teneur totale en soufre, en supposant qu'il est principalement présent sous forme de sulfures similaires à la pyrite. L'équation utilisée pour le calcul du PA est la suivante :

$$AP\ (kgCaCO_3/tonne) = \%S \times (M_{CaCO_3}/M_S) \times 10$$

Où $\%S$ est la teneur en soufre sous forme de sulfure ou la teneur totale en soufre, et M_S la masse molaire du soufre (= 32,065 g/mol).

2.5 Composition chimique globale

Les constituants extractibles (ou environnementalement disponibles) ont été mesurés conformément à la méthode MA du CEAEQ. 200 - Mét. 1.2. Les extraits d'eau régale (digestion partielle) ont été analysés par ICP-MS pour les éléments majeurs, mineurs et traces. Cette méthode d'extraction est conçue pour fournir une estimation des éléments qui peuvent être lessivés sur une longue période par des processus naturels tels que la dissolution et l'oxydation. Les teneurs des extraits d'eau régale ont été comparées aux concentrations moyennes de la croûte continentale.

Il convient de noter que la teneur moyenne de la croûte continentale fait référence à la teneur totale (digestion totale) et que la teneur extractible fait référence à la teneur partielle (digestion partielle). Par conséquent, les comparaisons directes doivent être considérées avec prudence.

Le contenu extractible peut être comparé aux critères A pour les sols présentés dans le « Guide d'intervention – Protection des sols et réhabilitation des terrains contaminés » du MELCCFP (2021).

De plus, des analyses élémentaires totales ont été effectuées sur tous les échantillons de carottes prélevés dans le pit shell via le fusion au peroxyde de sodium. Les données obtenues ont été compilées dans une base de données DHDB comprenant 4 678 échantillons. La DHDB a ensuite été utilisée pour extrapoler les résultats des échantillons environnementaux à l'ensemble de la zone d'extraction.

2.6 Essais de lixiviation

Conformément aux directives du MELCCFP, les échantillons ont été soumis à la méthode CEAEQ MA. 100 – Lix.Com. 1.1. Une partie de l'échantillon sélectionné a été soumise à une série de procédures de lixiviation afin d'évaluer si les matériaux testés sont susceptibles de libérer des COPC dans l'environnement récepteur. Tous les échantillons ont été soumis à la procédure de lixiviation SPLP EPA 1312 (SPLP) et CTEU-9, et une sélection d'échantillons a également été soumise à la procédure TCLP EPA 1311 (TCLP). Les échantillons sélectionnés pour les essais TCLP comprennent 84 échantillons de la phase 1 du programme de caractérisation géochimique, ainsi que les 38 échantillons de stériles classés comme PAG et 7 échantillons de résidus de la phase 3.

Les procédures SPLP, CTEU-9 et TCLP sont conçues pour évaluer la concentration des espèces susceptibles d'être lessivées lorsqu'un matériau est mis en contact avec de l'eau. La méthode SPLP utilise de l'eau acide à un pH de 4,2 afin de simuler des conditions environnementales légèrement acides telles que les pluies acides, tandis que la méthode CTEU-9 utilise simplement de l'eau déionisée et le matériau est broyé à une granulométrie plus fine, exposant ainsi une plus grande surface.

Tous les extraits des essais de lixiviation ont été soumis à une analyse ICP-MS des éléments majeurs, mineurs et traces. De plus, les lixiviats TCLP, SPLP et CTEU-9 ont été analysés pour

déterminer leur teneur en fluorure (F-), sulfate (SO42-), chlorure (Cl-), bromure (Br-), nitrite (NO2-) et nitrate (NO3-) par chromatographie ionique, ainsi que par titrage de l'acidité/alcalinité et par mesure du pH et de la conductivité électrique (CE).

2.7 Critères de classification

2.7.1 Classification par bilan acide-base

Les échantillons dont la teneur totale en soufre est supérieure à 5 % sont de facto qualifiés de PAG, tandis que les échantillons dont la teneur totale en soufre est inférieure à 0,04 % sont classés comme non-PAG. Tous les échantillons intermédiaires sont qualifiés de PAG si le potentiel de neutralisation net (NNP = NP-AP) est inférieur à 20 ou si le rapport de potentiel de neutralisation (NPR = NP/AP) est inférieur à 2. Cependant, les échantillons classés comme PAG sur la base d'essais statiques peuvent être requalifiés comme non-PAG sur la base des résultats d'essais cinétiques. Les critères de sélection pour l'ABA sont résumés dans **Tableau 3**.

Selon MEND (2009), les échantillons présentant un NPR compris entre 1 et 2 peuvent être qualifiés d'incertains en ce qui concerne leur potentiel de génération d'acide et des investigations supplémentaires, telles que des essais cinétiques, peuvent être menées afin d'affiner l'évaluation des risques liés à la génération d'acide.

Tableau 3. Résumé des échantillons soumis à des essais statiques

Paramètres	Valeur	Classification ABA	Procédure
Total S	Moins de 0,04 % en poids de S	Non-PAG	Aucun autre essai
Total S	0,04 % en poids de S	Des essais supplémentaires sont nécessaires.	Essais de prédiction ARD statiques
Total S	>5 % en poids de S	Des essais supplémentaires sont nécessaires.	PAG de facto ; ou essais cinétiques pour valider
NNP	Moins de 20 kg par tonne de CaCO3	PAG	Si l'une des valeurs NNP ou NPR est inférieure à la valeur de classification, l'échantillon est PAG.
NPR	<2	PAG	

2.7.2 Potentiel de lixiviation

Les résultats des essais de lixiviation effectués sur les échantillons sélectionnés ont été évalués conformément aux lignes directrices du MELCCFP.

Afin de mettre en évidence les enrichissements potentiels des matériaux en certains constituants, les résultats des essais de lixiviation à l'eau régale ont été comparés à la

concentration moyenne de la croûte continentale (Rudnick et Gao, 2014) ainsi qu'aux teneurs de fond de la province géologique du Supérieur fournies à l'annexe 1 du Guide d'intervention - protection des sols et réhabilitation des terrains contaminés du MELCCFP.

Les résultats des essais de lixiviation SPLP et CTEU-9 ont été comparés au critère de qualité pour la protection de la vie aquatique – effet aigu (CVAA) du critère de qualité des eaux de surface fourni par le MELCCFP. Les valeurs réglementaires pour certains éléments (par exemple, le cadmium (Cd), le manganèse (Mn)) dépendent de la dureté du réseau hydrographique récepteur, tandis que pour l'aluminium (Al), elles dépendent également de la concentration en carbone organique dissous (dissolved organic carbon, DOC) et du pH. Les valeurs réglementaires ont été calculées en supposant une concentration en DOC de 5 mg/L, un pH de 6 et une dureté de 10 mg/L.

Les résultats du essais de lixiviation TCLP ont été comparés à la directive 019 – Annexe 2 sur les caractéristiques des résidus miniers (à haut risque).

2.8 Essais cinétiques

Différentes approches de essais cinétiques ont été entreprises dans le cadre de ces travaux afin d'étudier la mobilité du COPC au fil du temps. Trois types de essais ont été réalisés, notamment les HCT, les essais en colonne et les FBT, dans le but d'évaluer le comportement géochimique des matériaux dans différentes conditions de taille des particules, de rapport liquide/solide et de température.

Les échantillons d'eau prélevés dans le cadre des essais cinétiques ont été soumis à une série d'analyses, notamment la récupération du volume, le pH et conductivité électrique, titrage de l'acidité/alcalinité, analyse ICP-MS des éléments majeurs, mineurs et traces, ainsi que la caractérisation du fluorure (F^-), du sulfate (SO_4^{2-}), du chlorure (Cl^-), bromure (Br^-), nitrite (NO_2^-) et nitrate (NO_3^-) à l'aide de la chromatographie ionique.

2.8.1 Essais en cellules humides

Les échantillons HCT ont été sélectionnés sur la base des données des essais statiques afin de couvrir tous les types de lithologie et de matériaux, tout en tenant compte de la variabilité des concentrations en arsenic et en soufre documentée dans la DHDB (**Tableau 4**).

La procédure d'essai (ASTM D5744-18) a été réalisée par SGS. Elle consistait à placer 1 kg de matière sèche, broyée à une granulométrie de 6,3 mm, dans une cellule humide, puis à effectuer des cycles hebdomadaires consistant à rincer avec 1 litre d'eau déionisée et à exposer alternativement à de l'air humide et à de l'air sec.

Le rapport liquide/solide de 1 utilisé dans le HCT favorise la lixiviation de tous les composés dissous, permettant ainsi une quantification précise des taux de charge.

Ce rapport présente les résultats des 108 premières semaines du programme HCT, mais les essais devraient se poursuivre jusqu'en octobre 2025.

Le **Tableau 4** présente la liste des quinze HCT (et un doublon), lancés le 27 avril 2023, ainsi que leurs identifiants (ID) correspondants, leurs types lithologiques et leurs caractéristiques en termes d'arsenic et de soufre total.

Table 4. Inventaire des HCT réalisés et lithologie ou types de matériaux correspondants

# HCT	Lithologie
CV5-WR-HCT-2	Amphibolite
CV5-WR-HCT-5	Amphibolite
CV5-WR-HCT-5 (DUP)	Amphibolite
CV5-WR-HCT-14	Amphibolite
CV5-WR-HCT-22	Amphibolite
CV5-WR-HCT-33	Amphibolite
CV5-WR-HCT-36	Ultramafique
CV5-WR-HCT-39	Métasédiment
CV5-WR-HCT-50	Métasédiment
CV5-WR-HCT-56	Métasédiment
CV5-WR-HCT-59	Ultramafique
CV5-WR-HCT-62	Ultramafique
CV5-WR-HCT-64	Pegmatite stérile
CV5-WR-HCT-69	Pegmatite stérile
CV5-WR-HCT-74	Minerai (pegmatite spodumène)
CV5-WR-HCT-76	Minerai (pegmatite spodumène)

2.8.2 Essais en colonne

Cinq essais en colonne (plus un essai en duplicata) utilisant des résidus ont été mis en place le 7 mai 2025 dans le cadre de ce programme de caractérisation géochimique.

Les colonnes de résidus ont été construites de manière à obtenir une couche de 30 cm de matériau, conformément aux directives de l'UQAT (UQAT, 2015), ce qui correspond à environ 8,5 kg de matériau par colonne. En revanche, les colonnes de stériles ont été constituées de 15 kg de matériau. Les colonnes de résidus ont été assemblées à partir de résidus provenant de différents flux de traitement, ainsi que d'un composite maître représentant la composition globale prévue des résidus sortant de l'usine. Les colonnes de stériles ont été construites à partir de diverses lithologies et de matériaux composites correspondants qui devraient être placés dans le Stockpile-001 non lixiviable.

Les six colonnes de résidus sont utilisées comme colonnes de lixiviation, ce qui signifie qu'elles sont rincées toutes les deux semaines en ajoutant 2 L d'eau par le haut. Les colonnes sont ensuite laissées à s'égoutter complètement pendant la nuit par l'orifice inférieur, à partir duquel des échantillons de lixiviat sont prélevés.

Les différents identifiants (#) des essais en colonnes et les configurations expérimentales correspondantes sont résumés dans **Tableau 5**.

Tableau 5. Inventaire des essais sur colonne et configuration expérimentale correspondante

# Essai en colonne	Description des colonnes
CV5-CL-1	Colonne non-saturée installée avec 30 cm de résidus flottants
CV5-CL-2	Colonne non-saturée équipée de 30 cm de résidus moyens
CV5-CL-3	Colonne non-saturée équipée de 30 cm de résidus magnétiques
CV5-CL-4	Colonne non-saturée configurée avec 30 cm de résidus de dérivation
CV5-CL-5	Colonne non-saturée équipée de 30 cm de résidus composites
CV5-CL-6	Colonne non-saturée configurée avec 30 cm de résidus composites

Une modélisation a été réalisée afin de fournir des prévisions des concentrations de COPC dans les eaux d'infiltration et d'exsudation des stériles et des résidus miniers entreposés dans les zones Stockpile-001 et Stockpile-002.

Les modèles géochimiques ont été élaborés à partir des données géochimiques présentées à la section 3.0 ainsi que des données produites dans le cadre d'un programme exhaustif d'analyse de la composition chimique des stériles mené pendant la phase de forage d'exploration du projet. Ce programme visait à créer une base de données géochimiques DHDB afin de faciliter les travaux géométallurgiques et environnementaux futurs. Cette base de données contenant 4 968 analyses d'échantillons de stériles a été utilisée pour soutenir le programme de caractérisation environnementale et les efforts de modélisation présentés dans cette section.

2.9 Modélisation géochimique

La caractérisation géochimique des matériaux présentés dans les sections 3.2 et 3.3 ci-après a permis d'identifier les COPC associés aux matériaux testés (par exemple, l'antimoine, l'arsenic et le lithium), et un effort de modélisation géochimique a été entrepris pour évaluer les risques associés et soutenir une conception technique visant à les atténuer. Plus précisément, la conception du modèle avait trois objectifs principaux qui peuvent être résumés comme suit :

1. Prévision des concentrations d'arsenic dans les eaux de drainage provenant du Stockpile-001 afin d'étayer l'option de séparation des stériles visant à atténuer les risques de lixiviation de l'arsenic associés à la construction du Stockpile-001.
2. Aidez à définir la valeur limite d'arsenic qui permettra de séparer efficacement les matériaux lixiviables des matériaux non lixiviables.
3. Évaluer le potentiel de lixiviation de l'antimoine, de l'arsenic et du lithium des matériaux du Stockpile-002 (roches stériles et résidus miniers) au fil du temps afin d'appuyer la conception technique et le traitement de manière à atténuer efficacement les effets négatifs potentiels sur l'environnement récepteur.

L'approche choisie et développée dans le cadre de l'effort de modélisation peut être résumée selon la séquence en trois étapes suivante :

1. Déterminer l'évolution cinétique des taux de lixiviation du COPC dans les stériles et les résidus miniers et, dans le cas des stériles, établir une corrélation cinétique entre les taux de

lixiviation de l'arsenic mesurés à partir des essais cinétiques et la teneur totale en solides fournie par la DHDB afin d'élaborer des termes sources d'arsenic pour tous les échantillons de la DHDB.

2. Développer et appliquer des facteurs d'échelle pour ajuster les taux de lixiviation calculés à partir des essais cinétiques à l'échelle du terrain.
3. Construire un modèle géochimique temporel simulant la construction progressive des haldes avec, dans le cas des rejets miniers, une distribution aléatoire des lithologies et des teneurs en arsenic, et tester le seuil de coupure de l'arsenic afin d'étudier les taux de lixiviation correspondants.

2.9.1 Modèle conceptuel et hypothèses

Le modèle correspond à une étude préliminaire visant à caractériser le comportement des tas de stériles en matière de lixiviation de l'arsenic. Certaines hypothèses devront être affinées à mesure que la compréhension des caractéristiques physicochimiques du matériau et des conditions sur le terrain progressera avec les développements futurs. La conception du modèle repose sur quatre (4) hypothèses principales :

1. On suppose un état stable. L'effet de la saisonnalité sur le transport réactif géochimique est négligé dans le modèle actuel. Cette hypothèse repose sur le fait que la grande taille du tas et le mouvement relativement lent de l'eau dans la matrice de stériles tendent à compenser l'influence des fluctuations climatiques telles que l'alternance des périodes humides et sèches et les variations interannuelles. De plus, on suppose que les vitesses de réaction sont réparties uniformément dans tout le tas et restent stables tout au long de l'année. Cette hypothèse est étayée par le fait que l'épaisseur des roches stériles formant le tas atténue les variations saisonnières de température à moins de ±1 °C au-delà de 5 m dans le tas.
2. Toutes les précipitations – 591 mm/an, selon le modèle climatique fourni par AtkinsRéalis (AtkinsRéalis, 2025) – sont supposées s'infiltrer dans le tas, et l'évaporation est considérée comme négligeable. Ces hypothèses sont étayées par le fait que des ouvrages d'art seront construits pour limiter les ruissellements, et que la conductivité hydraulique élevée du matériau favorisera une infiltration rapide et une remontée capillaire minimale.
3. Les propriétés physiques telles que la distribution granulométrique, la température et la conductivité hydraulique sont considérées comme homogènes dans l'ensemble du tas, et les lithologies et les taux de lixiviation de l'arsenic associés sont répartis de manière aléatoire dans le modèle. En plus d'être une hypothèse simplificatrice, la répartition aléatoire des propriétés géochimiques permet une analyse statistique de l'influence de l'emplacement des matériaux de stériles de différentes lithologies à l'intérieur du tas sur la concentration des lixiviats d'arsenic.
4. Le modèle ne prend en compte que le transport vertical 1D et ignore les flux latéraux. Cette hypothèse simplifie la modélisation et est étayée par le fait que la conductivité hydraulique des stériles est relativement élevée, ce qui permet au matériau de se drainer rapidement.

2.9.2 Développement des termes sources

Les données cinétiques présentées dans la **Section 3.3** du présent rapport ont été utilisées pour élaborer les termes sources cinétiques pour les stériles et les résidus miniers.

Des équations exponentielles de Weibull ont été utilisées pour ajuster les résultats des essais cinétiques et calculer l'évolution des termes sources des COPC au fil du temps.

Où $R_{(t)}$ est le taux de lixiviation à un moment donné t après le début de l'altération du matériau, k est la constante de vitesse et n est un paramètre de forme contrôlant la courbure de la fonction.

Le modèle de type Monte Carlo a été développé uniquement pour le modèle de stériles et a été appliqué spécifiquement à l'arsenic, qui s'est révélé être le COPC le plus problématique identifié dans ce projet en raison de sa forte lixiviabilité à pH neutre. Le modèle de type Monte Carlo a été conçu pour simuler le placement de types de matériaux de lithologie différente et de teneur totale en arsenic différente.

Une équation exponentielle de type Weibull a été utilisée pour calculer l'évolution du rapport entre le taux de lixiviation de l'arsenic HCT et la teneur en arsenic (totale) obtenue par fusion au peroxyde de sodium à partir du DHDB. Ce rapport, appelé ici paramètre cinétique $K_{(t)}$ et exprimé en semaine^{-1} diminue au fil du temps à mesure que les rejets miniers s'altèrent, suivant la tendance décrite dans l'**Équation 1** :

$$K_{(t)} = K_0 \exp\left(-|k \cdot t|^n\right) \qquad \textbf{Équation 1}$$

Dans lequel K_0 est la valeur du facteur cinétique à $t = 0$, k est la constante de vitesse et n est un paramètre de forme contrôlant la courbure de la fonction. Les paramètres k et n être ajusté manuellement jusqu'à ce que l'ajustement approprié de la mesure expérimentale soit obtenu.

Le graphique présenté dans la **Figure 1** illustre l'équation de Weibull utilisée pour ajuster la décroissance mesurée du rapport entre le taux de lixiviation HCT et la teneur totale en arsenic des stériles.

Le taux de lixiviation de l'arsenic $R_{(t)}$ (mg/kg/semaine) est ensuite calculé pour une période t (semaine) en utilisant le paramètre cinétique (semaine^{-1}) une teneur totale initiale en arsenic C_0 comme décrit dans l'**Équation 2** :

$$R_{(t)} = C_0 \times K_{(t)} \qquad \textbf{Équation 2}$$

Les équations exponentielles de Weibull ont également été utilisées pour ajuster les résultats des essais cinétiques sur les colonnes de résidus et pour calculer l'évolution des termes sources COPC (c'est-à-dire l'antimoine, l'arsenic et le lithium) au fil du temps. Comme un seul type de matériau a été simulé, l'**Équation 3** a été directement appliquée aux tendances de charge en COPC pour calculer le taux de lixiviation $R_{(t)}$ au fil du temps t.

$$R_{(t)} = R_0 \exp\left(-|k \cdot t|^n\right)$$ **Équation 3**

Tableau 6 résume les constantes de vitesse (k) et les paramètres de forme (n) utilisés pour ajuster les courbes du modèle aux données expérimentales, avec les ajustements obtenus pour les charges d'arsenic (**a**), d'antimoine (**b**) et de lithium (**c**) indiqués dans la **Figure 2**.

Tableau 6. Résumé des valeurs des paramètres d'ajustement des courbes de modélisation

Type de matériau	COPC	K_0/C_0[1]	k	n
Roche stérile	Arsenic	$1{,}2\times10^{-2}$	0,08	0,40
Résidus miniers	Arsenic	0,53	0,15	0,35
	Antimoine	0,16	0,30	0,30
	Lithium	0,16	0,25	0,40

[1]Facteur cinétique à $t_0(K_0)$ pour les stériles/Concentration à $t_0(C_0)$ pour les résidus miniers

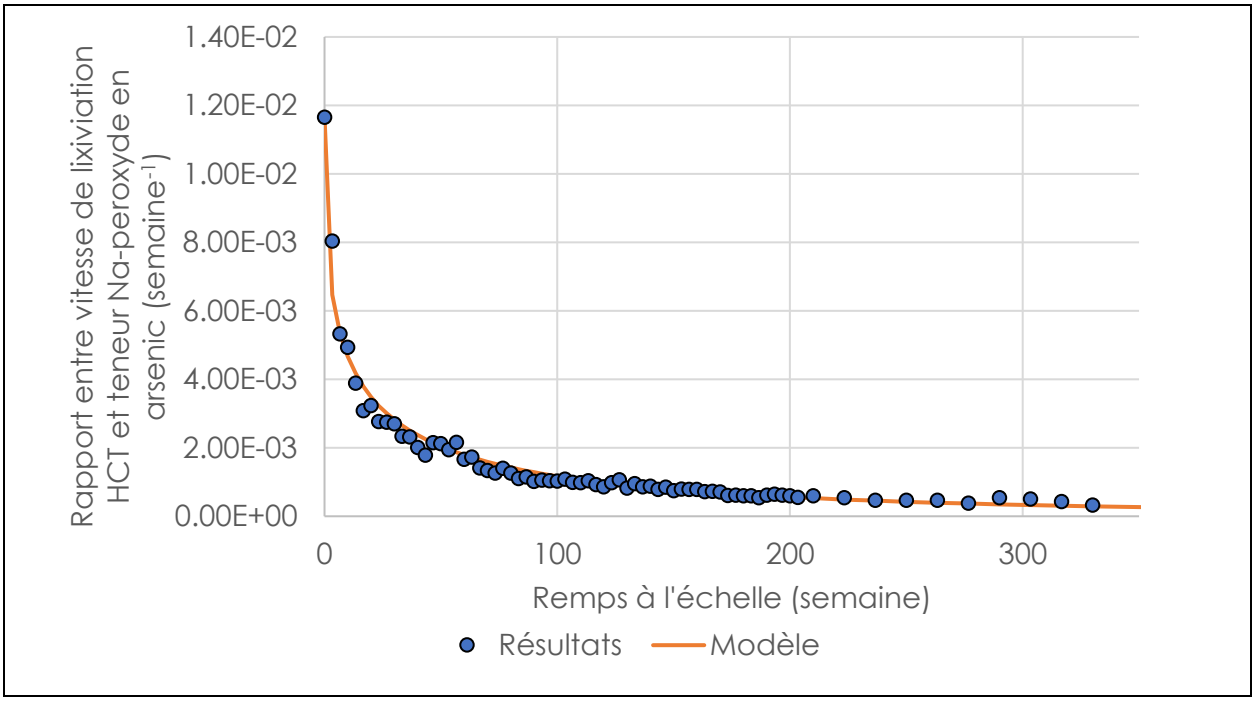


Figure 1. Diminution du taux de lixiviation de l'arsenic dans les stériles au fil du temps

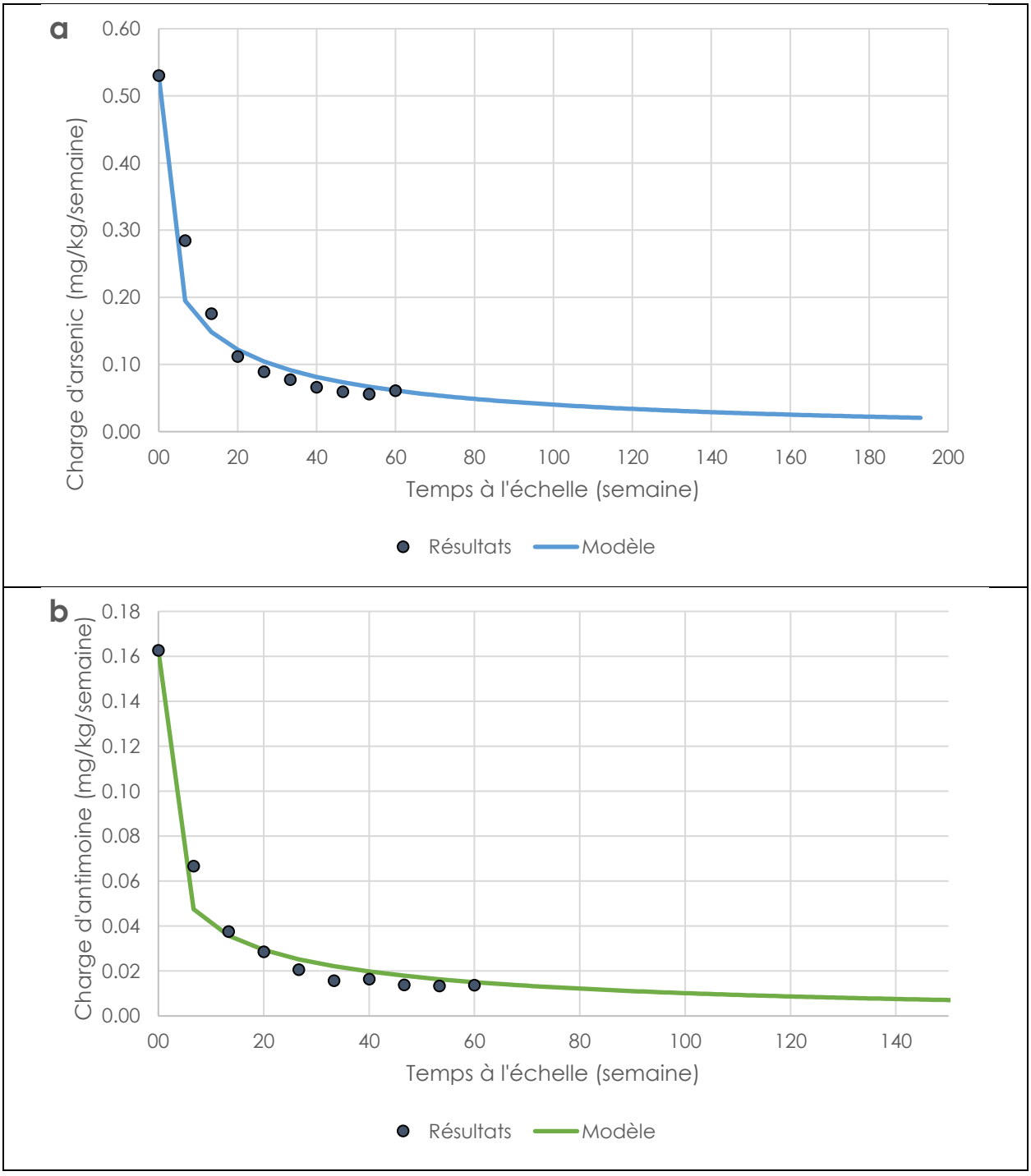


Figure 2. Diminution du taux de lixiviation des résidus miniers COPC au fil du temps (1 sur 2)

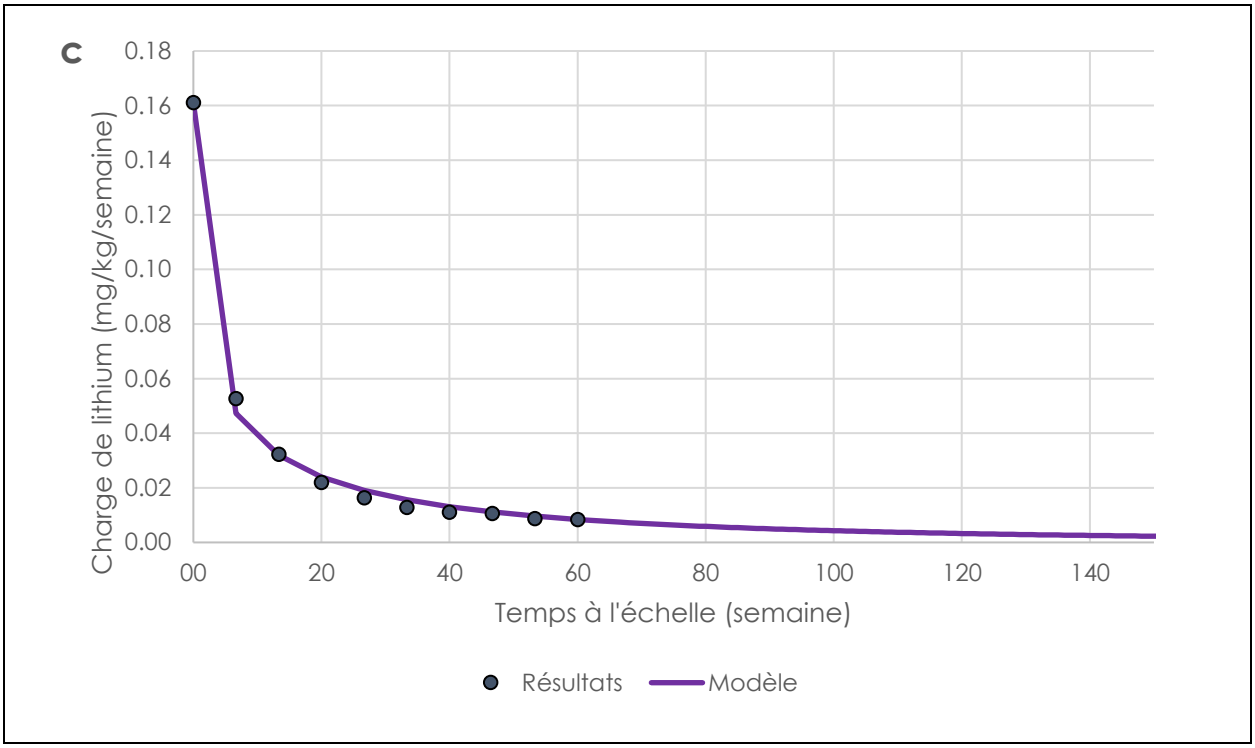


Figure 2. Diminution du taux de lixiviation des résidus miniers COPC au fil du temps (2 de 2)

2.9.3 Facteurs d'échelle

Les conditions d'essai dans lesquelles les taux de lixiviation HCT sont mesurés en laboratoire ne sont pas représentatives du terrain. Trois (3) phénomènes principaux sont généralement reconnus comme expliquant les écarts entre le comportement géochimique dans une halde à stériles et les HCT. Il s'agit de la distribution granulométrique (particle size distribution, PSD), de la température et de l'isolation hydraulique. Des facteurs d'échelle sont généralement utilisés pour ajuster le taux de lixiviation mesuré en laboratoire et dériver des termes sources qui seront plus représentatifs des conditions sur le terrain.

Pour le modèle utilisé dans cette étude, le taux de lixiviation des tas de stériles a été calculé à l'aide de l'**équation 4** suivante. (Kempton, 2012):

$$R_{WRP} = R_{HCT} \times S_{PSD} \times S_{Temp.} \times S_{Salut}$$ **Équation 4**

Tel que :

R_{WRP} est le taux de lixiviation dans le tas de stériles (mg/kg/semaine)

R_{HCT} est le taux de lixiviation dans le HCT (mg/kg/semaine)

S_{PSD} est le facteur d'échelle PSD (sans unité)

$S_{Temp.}$ est le facteur d'échelle de température (sans unité)

S_{Salut} est le facteur d'échelle d'isolation hydraulique (sans unité)

2.9.3.1 *Granulométrie des matériaux*

Sur un site minier, la distribution granulométrique des stériles varie généralement entre l'échelle micrométrique et l'échelle métrique. Cependant, à des fins de normalisation et pour des raisons pratiques, ces matériaux doivent être tamisés avant d'être testés en laboratoire. Les particules plus petites ayant un rapport surface/volume plus élevé que les particules plus grosses, la lixiviabilité dépend fortement de la surface spécifique. Par conséquent, afin de garantir la représentativité, le taux de chargement des stériles dans les conditions de laboratoire doit être adapté pour refléter les conditions sur le terrain. Dans les essais en cellule humide (HCT), les particules sont généralement tamisées et/ou broyées jusqu'à un diamètre maximal de 6,4 mm.

Une analyse documentaire menée par Stockwell et al. (2006) a conclu que plus de 80 % de l'altération géochimique provient de particules de moins de 25 mm, une fraction qui ne représente elle-même que 10–40 % du total des stériles, selon les méthodes de dynamitage et le type de roche. La fraction inférieure à 6,4 mm en représente une part encore plus faible. De plus, les roches ignées et les sédiments fortement métamorphisés—tels que ceux que l'on trouve dans le projet Corvette Lithium—sont connus pour générer moins de fines lorsqu'ils sont dynamités (Dawson, 1994). Par exemple, le projet Goliath, où les stériles sont principalement composés de granit, de métasédiments et de schistes, rapporte qu'environ 5 % des particules sont inférieures à 2,5 mm (Ecometrix, 2014).

L'équipe d'ingénieurs miniers de G Mining Services Inc., chargée de la conception des opérations, y compris le dynamitage, a fourni à Vision la courbe caractéristique de la taille des particules attendue (G Mining, 2025) pour les différentes lithologies extraites sur le site (**Figure 3**).

En supposant une sphéricité homogène et une densité spécifique constante pour toute la distribution granulométrique, il est possible d'estimer le rapport surface/volume des matériaux en fonction de leur granulométrie. En comparant le rapport surface/volume des stériles in situ prévus avec celui du matériau HCT à l'échelle du laboratoire, on peut dériver un facteur d'échelle granulométrique. En suivant cette approche, un facteur d'échelle de 0,05 a été appliqué dans le cadre de la modélisation.

Étant donné que la distribution granulométrique des résidus soumis à des essais en colonne n'a pas été modifiée et qu'elle est représentative du matériau qui sera placé dans le Stockpile-002, aucun facteur d'échelle granulométrique n'a été appliqué dans le cadre de la modélisation des résidus.

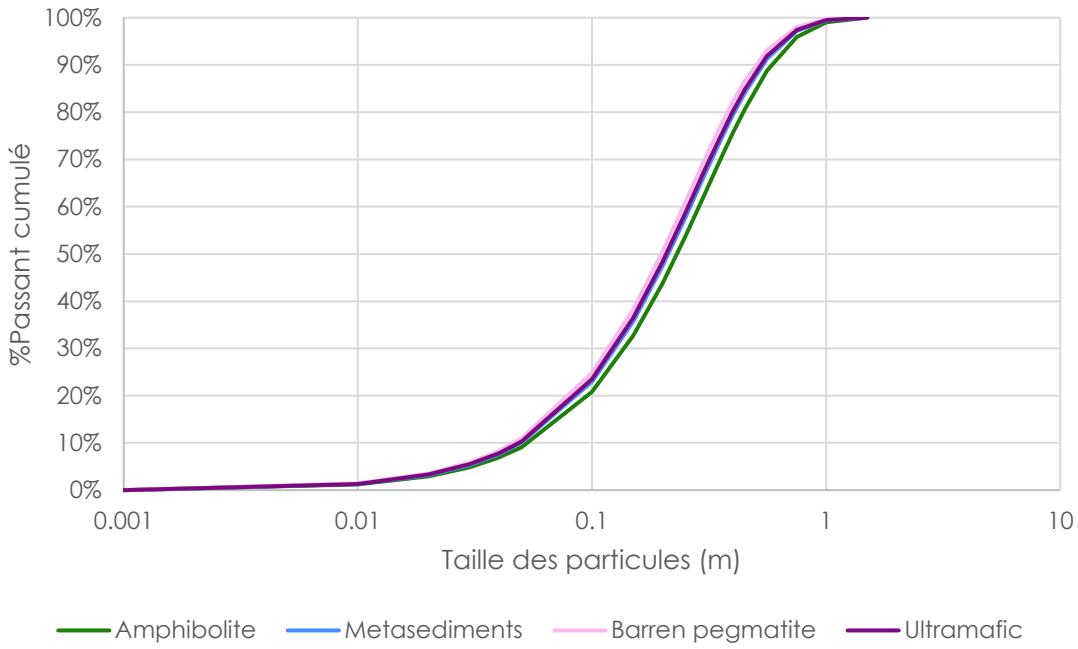


Figure 3. Granulométrie anticipée des stériles

2.9.3.2 *Température*

L'analyse minéralogique effectuée sur des échantillons de stériles a montré que l'arsenic est associé à des minéraux contenant de l'arsénopyrite, tels que la nickeline, la gersdorffite et l'arsénopyrite. La lixiviation de l'arsenic à partir de ces minéraux peut se produire par divers processus dépendants de la température, notamment l'altération oxydative et la dissolution minérale. Ainsi, les vitesses de réaction devraient varier en fonction de la température et peuvent être décrites à l'aide de la loi d'Arrhenius. L'**équation 5**, dérivée de la loi d'Arrhenius, a été utilisée pour déterminer le facteur d'échelle de température pour les vitesses de lixiviation modélisées :

$$SF_{Temp} = \mathrm{Exp}\left(\frac{E_a(T_{terrain} - T_{Laboratoire})}{RT_{Terrain}T_{Laboratoire}}\right)$$ **Équation 5**

Telle que :

- E_a est l'énergie d'activation de la réaction d'oxydation de la pyrite susceptible d'être responsable de la libération des métaux (42 kJ/mol ; (Nicholson, et al. 1988))
- $T_{Terrain}$ et $T_{Laboratoire}$ sont respectivement la température moyenne sur le terrain et en laboratoire (K)
- R est la constante universelle des gaz (8,314 J/mol/K)

L'énergie d'activation apparente de 40 kJ/mol qui a été utilisée dans le modèle cinétique pour décrire la dépendance à la température de la libération d'arsenic à partir de minéraux contenant de l'arsenic, en particulier l'arsénopyrite (FeAsS), la nickeline (NiAs) et la gersdorffite (NiAsS). Cette valeur se situe dans la partie inférieure de la fourchette généralement rapportée pour la mobilisation de l'arsenic dans des conditions acides à quasi neutres (Neil et al. 2015).

Une température moyenne de l'air de -2 °C a été appliquée sur la base de méthodes de télédétection (Wang et al., 2013) reflétant les conditions du site. Cette valeur a été ajustée de manière conservatrice à 2 °C afin de tenir compte de la différence naturelle entre les températures de l'air et du sol, et une température de 22,5 °C a été utilisée pour les vitesses de réaction HCT en laboratoire. Ces valeurs ont donné lieu à un facteur d'échelle de température de 0,30. Cette valeur est corroborée par MEND (2006). Elle a été appliquée à la modélisation des stériles et des résidus miniers.

2.9.3.3 *Isolation hydraulique*

Le facteur d'isolation hydraulique est lié à la structure interne des haldes, qui présentent une grande variabilité en termes de conductivité hydraulique non saturée. Le facteur de contact explique une réduction de la lixiviation, car certaines parties des piles devraient devenir hydrauliquement isolées en raison du développement de voies d'écoulement préférentielles, ce qui se traduit par un rinçage partiel ou moins fréquent par l'eau interstitielle par rapport aux conditions HCT.

Ce facteur est influencé par la faible proportion de particules fines, car l'eau dans les milieux hétérogènes a tendance à s'écouler préférentiellement à travers les zones à grains plus fins. Compte tenu de la rareté prévue des fines dans les stériles de ce projet, l'isolation hydraulique de nombreux amas de matériaux est probable.

Une analyse documentaire des études de modélisation géochimique a permis d'identifier un large éventail de facteurs d'isolation hydraulique, allant de 0,03 à 0,77, les valeurs les plus couramment rapportées se situant entre 0,05 et 0,20 (Rescan, 2013 ; Lorax, 2014 ; Stantec, 2017).

En raison de la faible proportion prévue de fines dans les stériles et du risque associé de formation de grappes isolées de fines, une valeur de 0,10 a été choisie pour cette étude de modélisation.

Étant donné que les résidus miniers sont de taille plus homogène, un facteur d'échelle hydraulique de 0,30 a été appliqué à la modélisation géochimique du tas de résidus Stockpile-002.

2.9.4 *Autres mécanismes à l'échelle du terrain influençant la mobilisation de l'arsenic*

Au-delà de la température, de la taille des grains et de l'isolation hydraulique, plusieurs mécanismes géochimiques peuvent exercer un contrôle sur la mobilisation de l'arsenic dans des conditions réelles. L'un des processus clés est la reprécipitation de l'arsenic dans des phases minérales secondaires, telles que les arsénates de fer (par exemple, la scorodite), ou son incorporation dans des oxyhydroxydes de fer nouvellement précipités, qui peuvent réduire considérablement les concentrations d'arsenic dissous. De plus, la sorption de l'arsenic sur les minéraux ferreux (par exemple la ferrihydrite, la goethite, l'hématite et la magnétite) joue un rôle

essentiel dans l'atténuation de l'arsenic ; ces minéraux forment des complexes solides avec l'As(III) et l'As(V), immobilisant efficacement l'arsenic dans de nombreuses conditions environnementales.

Il est important de noter que le rapport liquide/solide de 1:1 (1 l/kg/semaine) du HCT qui a servi de base à cette évaluation est généralement supérieur de plusieurs ordres de grandeur à celui observé dans les conditions réelles, où les rapports sont généralement de l'ordre de 10^{-3}l/kg/semaine. Ce rapport artificiellement élevé est conçu pour évaluer le taux maximal d'altération des minéraux primaires contenant de l'arsenic et conduit à des estimations très conservatrices des taux de charge en arsenic, car les mécanismes contrôlés par la solubilité (par exemple, la précipitation secondaire ou la libération limitée par sorption) sont submergés. À ce stade des travaux de modélisation, ces mécanismes n'ont pas encore été pris en compte et l'approche reste conservatrice à cet égard. L'affinement de l'évaluation de l'impact environnemental et social (EIES) intégrera les résultats des essais en colonne et sur le terrain, qui utilisent des rapports liquide/solide plus réalistes, permettant une modélisation explicite de la formation de la phase secondaire et des processus de sorption afin de mieux limiter les prévisions de libération d'arsenic.

2.9.5 Conception technique

Un protocole de séparation a été élaboré afin de séparer les stériles PAG/ML des stériles non PAG/non ML dans le but de concevoir une halde à stériles non PAG/non ML (classification D019 : faible risque).

Comme déterminé précédemment, la lithologie ultramafique a été identifiée comme étant plus susceptible de présenter une teneur en arsenic plus élevée associée à une lixiviation de l'arsenic, et une corrélation entre la teneur en arsenic et le taux de lixiviation de l'arsenic a pu être établie. En outre, l'analyse ABA a permis d'identifier une valeur seuil pour la teneur totale en soufre à partir de laquelle les matériaux peuvent être classés comme non PAG, à condition que la concentration totale en soufre soit inférieure à la valeur seuil. Sur la base de ces observations, un processus de modélisation itératif a été engagé entre les équipes d'ingénierie de Vision, Atkins et G Mining afin de proposer une conception répondant à la fois aux réglementations environnementales et à la faisabilité économique. Ce processus itératif a finalement conduit à l'élaboration d'un protocole de ségrégation visant à réduire la dépendance à l'égard de mesures telles que la mise en place d'une membrane géomembrane à grande échelle pour toutes les haldes à stériles.

2.9.5.1 Approche de ségrégation et efficacité

Tous les matériaux ultramafiques feront l'objet d'une séparation. Cependant, une efficacité de séparation conservatrice de 94 % a été supposée pour la lithologie ultramafique, sur la base des informations fournies par G Mining, la société responsable du modèle géologique en blocs. Cette valeur reflète la précision spatiale avec laquelle cette lithologie peut être délimitée dans la zone d'excavation modélisée. Dans le modèle de blocs, les matériaux ultramafiques sont enfermés dans une enveloppe géologique distincte qui capture environ 94 % de leur volume total. En raison de sa continuité, de ses limites bien définies et de ses caractéristiques visuelles distinctives, la lithologie ultramafique se prête à une identification visuelle et à une manipulation

sélective sur le terrain. Ces attributs confirment la faisabilité d'une séparation opérationnelle pendant l'excavation et le placement, permettant ainsi d'exclure la plupart des matériaux ultramafiques des haldes non lixiviables. Les 6 % restants sont supposés représenter soit des matériaux mal classés, soit un mélange aux marges lithologiques, et sont explicitement pris en compte dans le modèle.

En plus de la séparation des matériaux ultramafiques, il a été recommandé de mettre en œuvre un traitement sélectif basé sur une concentration limite d'arsenic de 30 ppm. Des travaux supplémentaires sont nécessaires pour affiner la manutention sélective, mais la séparation peut être effectuée pendant le processus de dynamitage en mesurant les concentrations d'arsenic à l'aide d'un analyseur portable à fluorescence X (pXRF) sur les déblais de forage générés pendant le forage des trous de mine. Cette méthode permet un criblage géochimique en temps réel de la roche dans la fosse avant l'excavation. Sur la base de la distribution spatiale prévue de l'arsenic dans le gisement et de la résolution offerte par l'échantillonnage des trous de mine, cette approche devrait permettre d'exclure environ 90 % des matériaux dépassant le seuil de 30 ppm. Un taux d'erreur de classification d'environ 10 % est supposé, en raison de l'hétérogénéité inhérente à la roche et des limites de la représentativité des échantillons à l'échelle du dynamitage. Cette incertitude sera intégrée dans le modèle et évaluée plus en détail grâce à une validation continue pendant les opérations.

Enfin, il est recommandé de mesurer la teneur totale en soufre des déblais de forage générés lors du forage de trous de mine à l'aide d'une analyse par combustion LECO, une méthode de pyrolyse à haute température. Sur la base de cette analyse, les stériles dont la teneur totale en soufre dépasse 0,30 % doivent être séparés afin d'éviter l'inclusion de matériaux PAG dans le haldes non lixiviable. Ce seuil a été sélectionné sur la base de l'analyse ABA.

2.9.5.2 Conceptions de haldes

Au-delà de la température, de la taille des grains et de l'isolation hydraulique, plusieurs mécanismes géochimiques peuvent exercer un contrôle sur la mobilisation de l'arsenic.

Deux stockages ont été conçus par Atkins (AtkinsRéalis, 2025) sur la base de la stratégie proposée pour la gestion des stériles, des données provenant de la DHDB, du plan d'extraction pour la durée de vie de la mine (life of mine, LOM) et des contraintes liées à la superficie du site. Le premier, appelé Stockpile-001, accueillera les matériaux classés comme non lixiviables, tandis que le second, appelé Stockpile-002, recevra les matériaux classés comme lixiviables. En outre, le Stockpile-002 sera utilisé pour accumuler environ 54 Mt de résidus qui seront déposés sous forme de piles sèches à la périphérie du tas. Une fois le Stockpile-001 terminé, les matériaux non lixiviables restants seront envoyés au Stockpile-002 jusqu'à ce que le tas soit complet.

La **Figure 4** présente la fréquence cumulative des teneurs en arsenic (**a**) et en soufre total (**b**).

a. Le premier graphique confirme la prédominance des matériaux ultramafiques dont la teneur en arsenic est supérieure à 30 ppm (76 %), tandis que l'amphibolite, les métasédiments et la pegmatite stérile présentent 20 % ou moins de matériaux dont la teneur en arsenic est de 30 ppm.

b. Le deuxième graphique montre que les métasédiments présentent la plus forte proportion d'échantillons dépassant le seuil de 0,30 % de soufre total (29 %), suivis par les amphibolites et les matériaux ultramafiques avec respectivement 14 % et 11 %, et enfin la pegmatite stérile, qui présente moins de 0,2 % de matériaux dépassant le seuil de 0,30 %.

La proportion des dépassements des seuils d'arsenic et de soufre total par lithologie est résumée dans le **Tableau 7** et la composition des haldes est présentée dans le **Tableau 8**.

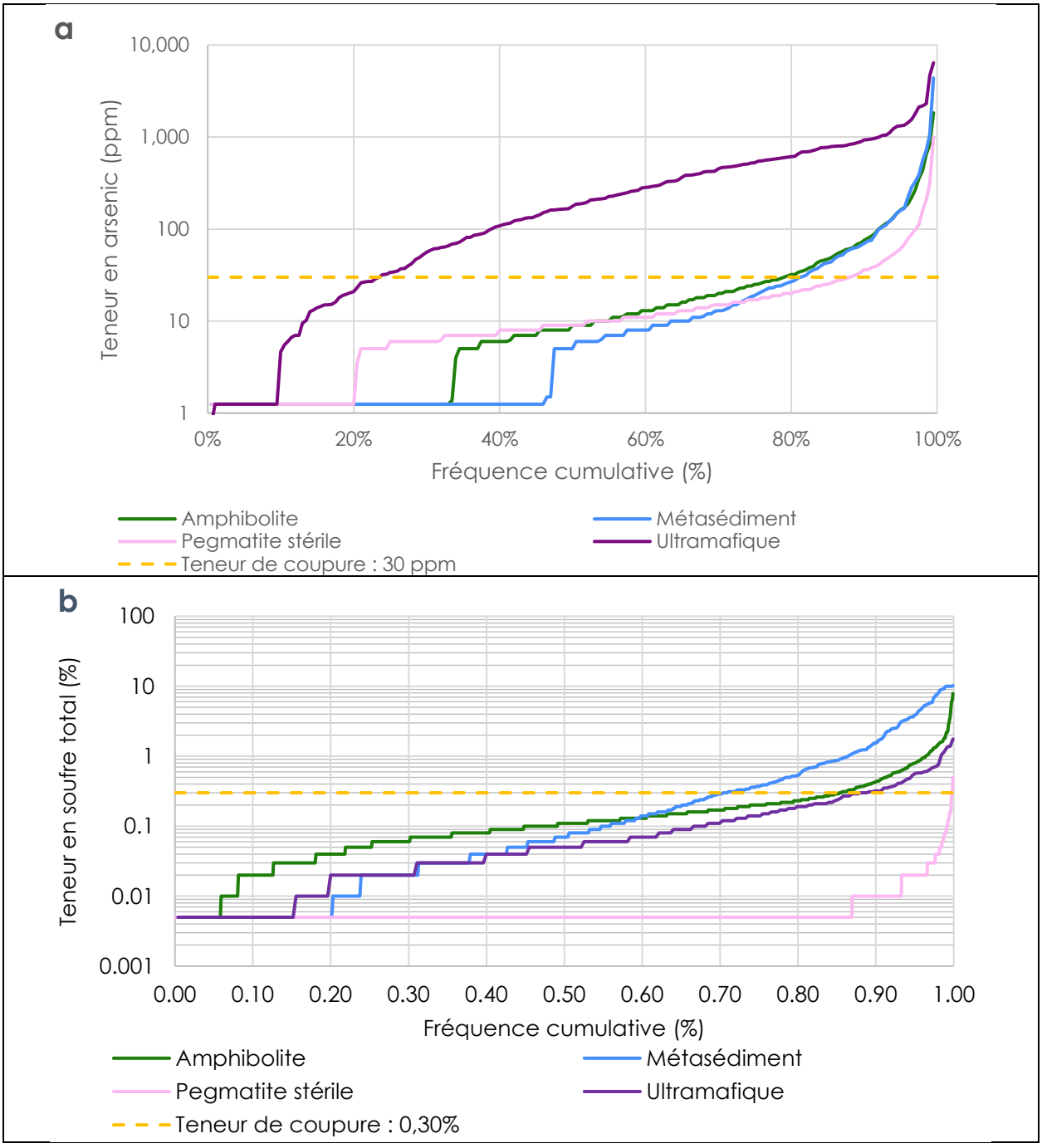


Figure 4. Fréquence cumulative des teneurs en arsenic et en soufre total des roches stériles dans la base de données des trous de forage

Tableau 7. Résumé des matériaux dépassant les seuils limites pour l'arsenic et le soufre total

Lithologie	Total des stériles (Mt)[1]	Dépassement du seuil limite d'arsenic		Dépassement de la limite totale de soufre	
		Masse (Mt)	%	Masse (Mt)	%
Amphibolite	61,0	12,8	21 %	8,8	14 %
Métasédiments	60,5	11,2	19 %	17,6	29 %
Pegmatite stérile	10,4	1,25	12 %	0,02	0 %
Ultramafique	23,1	17,6	77 %	2,6	11 %
Total	**155**	**42,9**	**28 %**	**29,0**	**19 %**

[1]Les quantités de stériles par lithologie ont été extraites du plan d'extraction LOM fourni par G Mining (G Mining, 2025).

Tableau 8. Résumé des caractéristiques de Stockpile-001 et Stockpile-002

Composition des haldes[1]		Stockpile-001	Stockpile-002
Masse (Mt)	**Amphibolite**	21,2	27,4
	Métasédiments	19,5	25,4
	Pegmatite stérile	3,32	5,12
	Ultramafique	0,214	22,6
	Résidus miniers	-	54
	Masse totale	**44,2**	**80,6**
Bassin versant (ha)		**80**	**218**

[1]Les capacités de stockage des haldes ont été fournies par Atkins, et les quantités par lithologie ont été déterminées sur la base du calendrier d'exploitation fourni par G Mining (G Mining, 2025).

2.9.6 *Simulations de modèles*

Des modèles géochimiques ont été développés pour prédire les concentrations de COPC dans les Stockpile-001 et -002 au fil du temps. Comme décrit dans la section précédente, le Stockpile-001 est composé uniquement de stériles, tandis que le Stockpile-002 contiendra un mélange de stériles et de résidus. Le comportement géochimique des deux types de matériaux a été simulé. Le modèle géochimique a été simulé à l'aide des paramètres des facteurs d'ajustement supposés résumés dans **Tableau 9**.

Table 9. Résumé des valeurs des paramètres d'ajustement du modèle, justification et références

Paramètre (symbole ; unités)	Stériles	Résidus	Justification/Référence
Taux de percolation (q_p; l/m²/an)	591		Hypothèse technique tirée de la conception d'Atkins (AtkinsRéalis, 2025) : toutes les précipitations incidentes sont supposées s'infiltrer à travers le matériau et être entièrement récupérées dans le bassin de collecte.
Densité apparente (Gs ; kg/m³)	2000		Conforme aux estimations d'Atkins (AtkinsRéalis, 2025)
Facteur d'échelle de taille des particules (S_{PSD}; sans unité)	0,05	1	Calculé sur la base des estimations de G Mining concernant la taille des particules des matériaux dynamités (G Mining, 2025) ; conforme à la littérature (Stockwell et al., 2006 ; Dawson, 1994 ; Ecometrix, 2014).
Facteur d'échelle de température ($S_{Temp.}$; sans unité)	0,3	0,3	Calculé selon la loi d'Arrhenius (**équation 5**), à partir d'estimations conservatrices de la température, conformément aux recommandations du MEND.
Facteur d'échelle d'isolation hydraulique (S_{HI}; sans unité)	0,1	0,3	Estimations basées sur la littérature (Rescan, 2013 ; Lorax, 2014 ; Stantec, 2017)

2.9.6.1 *Modélisation des stériles*

Un modèle basé sur Monte Carlo intégrant les hypothèses et les facteurs d'échelle décrits dans la section 4.3 ci-dessus a été développé à partir de la conception de la halde, du modèle de ressources dans la fosse et du calendrier fournis par Atkins et G Mining (AtkinsRéalis, 2025 ; G Mining, 2025), ainsi que par la DHDB contenant 4 678 échantillons de carottes de roches stériles.

Cette approche a permis une distribution spatiale aléatoire des lithologies et des caractéristiques de lixiviation de l'arsenic associées, d'une manière qui reflète la variabilité et les proportions observées dans le modèle de ressources dans la fosse. En conséquence, le modèle capture la gamme probabiliste et la distribution des paramètres géochimiques. La méthode Monte Carlo s'appuie sur l'ensemble complet des données de la DHDB et pondère chaque valeur en fonction de sa fréquence et de son occurrence lithologique telles qu'observées sur le terrain.

Le modèle a simulé le placement progressif des stériles dans les haldes conformément au calendrier d'extraction de la durée de vie de la mine (LOM) fourni par G Mining, en supposant une distribution aléatoire des teneurs totales en arsenic et en soufre dans le modèle de bloc d'extraction, avec une ségrégation appliquée selon le seuil précédemment défini.

Le modèle a été exécuté dans 1 000 simulations, ce qui a permis d'évaluer la variabilité probabiliste des résultats en fonction de la distribution hétérogène des types lithologiques et des caractéristiques de lixiviation.

2.9.6.2 *Modélisation des résidus miniers*

La modélisation des résidus miniers est appliquée un seul type de matériau, par conséquent, une simulation de type Monte Carlo n'était pas nécessaire.

Les caractéristiques de résidus simulées ont été obtenues en combinant les charges COPC provenant de CV5-CL-1 (flottants), CV5-CL-2 (moyens) et CV5-CL-4 (dérivation), avec des proportions pondérées de 52 %, 26 % et 22 %, respectivement.

La quantité de matériaux simulée a été progressivement augmentée entre 2030 et 2049 afin de reproduire le calendrier de production minière sur la durée de vie de la mine (LOM) élaboré par G Mining, pour atteindre une capacité maximale de 54 Mt.

Les trois constituants simulés – l'antimoine, l'arsenic et le lithium – correspondent aux COPC les plus mobiles identifiés lors de la phase de criblage, c'est à dire ceux qui sont non soumis à des contrôles de solubilité liés au pH ou à l'alcalinité. L'absence de contrôle de la solubilité est une hypothèse conservatrice du modèle, car d'autres contrôles, tels que le mécanisme de sorption, peuvent avoir lieu sur le terrain.

3.0 Résultats de la caractérisation géochimique

3.1 Bilan acide-base

Des essais ABA ont été effectués sur les 350 échantillons collectés afin de déterminer leur AP et leur NP et d'identifier les matériaux pouvant être identifiés comme PAG. Les tableaux résumant les résultats ABA sont fournis dans l'**Annexe B**.

3.1.1 Analyse de la spéciation du carbone

Figure 5 montre que la relation entre le carbone CO_3 et le carbone total est bien corrélée (R^2 = 0,97) et généralement bien en dessous de la ligne de référence 1:1 (en pointillés), avec une pente de la ligne de régression de 0,90, ce qui suggère que la majeure partie du carbone se présente sous forme de carbonate qui participe probablement au NP. Deux échantillons de métasédiments se distinguent comme des valeurs aberrantes avec des rapports CO_3/carbone total de 60 % ou moins, ce qui suggère la présence d'espèces de carbone autres que les carbonates et qui ne participeront pas efficacement au NP. Dans l'ensemble, la teneur totale en carbone des échantillons constitue un prédicteur valable de la teneur en carbonate et pourrait être utilisée pour la caractérisation ABA des échantillons.

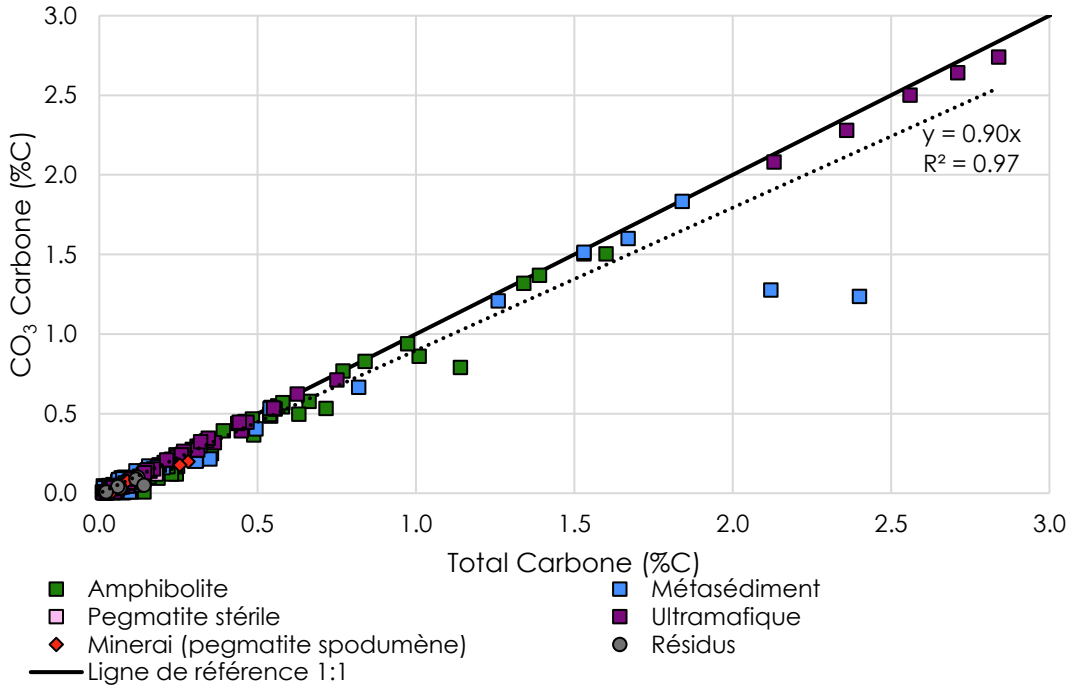


Figure 5: Relation entre le carbone carbonaté et le carbone total

L'analyse des carbonates a montré que 81 échantillons se situaient à la limite inférieure ou en dessous de la limite de détection de l'instrument (0,025 % ou 0,04 % en CO_3, selon la mesure). Les matériaux dont la teneur en carbone était inférieure à la limite de détection comprenaient 9 échantillons d'amphibolite (7,0 %), 17 échantillons de métasédiments (16,8 %), 22 échantillons de

pegmatite stérile (66,7 %), 8 échantillons d'ultramafique (14,8 %), 21 échantillons de minerai de pegmatite spodumène (84,0 %) et 4 échantillons de résidus (30,8 %). Pour ces échantillons, les valeurs de carbone total , qui ont une limite de détection plus faible, ont été utilisées à des fins de classification.

3.1.2 Analyse de la spéciation du soufre

Figure 6 montre la corrélation entre la concentration totale en soufre et le soufre sous forme de sulfure. L'analyse de régression entre le soufre total et le soufre sous forme de sulfure a un R^2 = 0,99 et une pente de 0,89, ce qui indique une bonne concordance entre les teneurs en soufre sous forme de sulfure et en soufre total. Ce résultat suggère que la majeure partie du soufre présent dans les échantillons se trouve probablement sous forme de sulfure et, par conséquent, que les teneurs totales en soufre constituent une approximation appropriée du soufre sous forme de sulfure.

Bien que la teneur totale en soufre varie considérablement, allant d'une limite de détection de 0,005 % à un maximum de 7,39 %, elle reste généralement faible, avec une moyenne de 0,35 %. Cela correspond à une teneur moyenne en soufre sous forme de sulfure de 0,29 %, allant d'une valeur inférieure à la limite de détection de 0,01 % à un maximum de 7,15 %.

Le type lithologique pegmatite, à savoir les stériles pegmatitiques, le minerai et les résidus, présente une forte proportion d'échantillons dont la teneur totale en soufre est inférieure à 0,04 %, avec respectivement 87,9 %, 88,0 % et 76,9 % des échantillons. Ces matériaux sont donc classés par défaut comme non PAG (non potentiellement générateurs d'acide). En revanche, les autres lithologies de stériles, à savoir l'amphibolite, le métasédiment et les matériaux ultramafiques, présentent des proportions nettement inférieures d'échantillons dont la teneur totale en soufre est inférieure à 0,04 %, avec respectivement 8,6 %, 32,7 % et 29,6 % (**Tableau 10**).

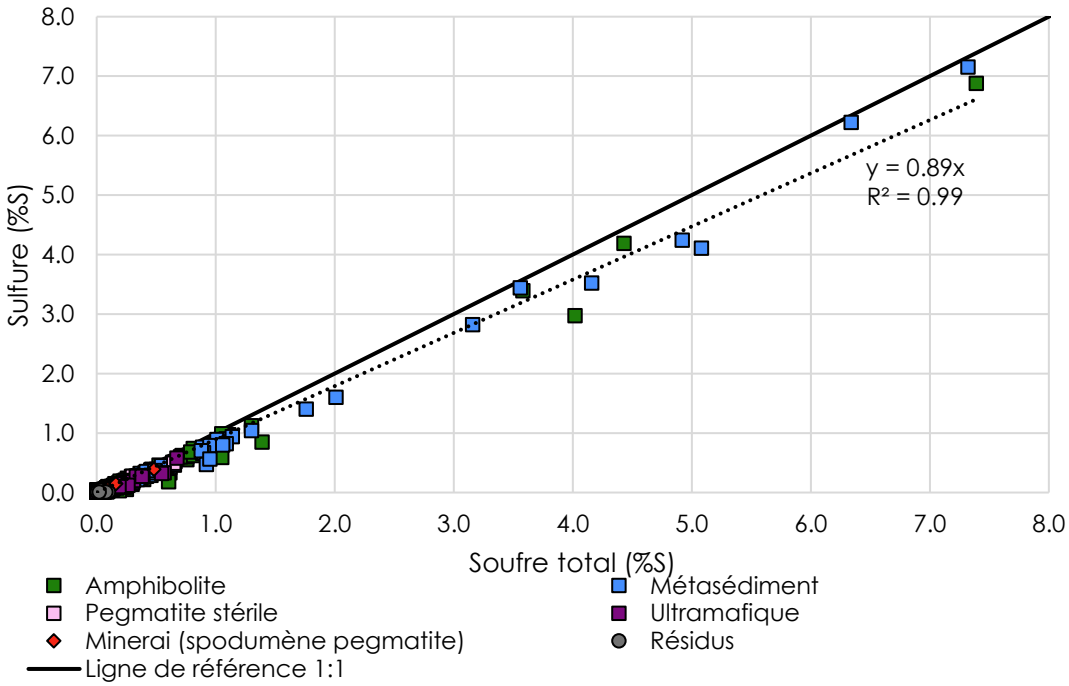


Figure 6. Relation entre soufre sulfure et soufre total

Table 10. Résumé des échantillons présentant une concentration totale en soufre inférieure à 0,04 % par type de matériau

Type de matériau	Total des échantillons	<0,04 % de soufre total (%)	
		n	%
Amphibolite	128	11	8,6 %
Métasédiment	101	33	32,7 %
Pegmatite stérile	33	29	87,9 %
Ultramafique	54	16	29,6 %
Total des stériles	**316**	**89**	**28,2 %**
Minerai (pegmatite spodumène)	25	22	88,0 %
Résidus miniers	9	7	77,8 %

3.1.3 Évaluation du potentiel de neutralisation et d'acidification

Figure 7 montre que, malgré une corrélation relativement bonne entre Sobek-NP et CO_3-NP (R^2=0,78), la plupart des points de données se situent en dessous de la ligne de référence 1:1 (en pointillés), avec une pente de la ligne de régression de 0,80. Le rapport CO_3-NP/Sobek-NP pour les échantillons de la plupart des types de matériaux est bien inférieur à ce coefficient de pente : 0,55 pour l'amphibolite, 0,60 pour les métasédiments, 0,27 pour la pegmatite stérile et le minerai de pegmatite spodumène, et 0,36 pour les résidus miniers.

Ces résultats suggèrent qu'une partie importante du potentiel de neutralisation des échantillons est due à des phases minérales autres que les carbonates. En revanche, les échantillons ultramafiques se distinguent par un rapport CO_3-NP/Sobek-NP moyen de 0,88, ce qui indique que les carbonates jouent un rôle plus important dans le potentiel de neutralisation de cette lithologie.

De plus, deux échantillons ultramafiques et un échantillon métasédimentaire présentent des valeurs de CO_3-NP nettement supérieures à leurs valeurs Sobek-NP respectives. Cette observation suggère la présence, dans ces échantillons particuliers, d'espèces carbonatées (par exemple, sidérite, ankérite ou calcite ou dolomite encapsulée) qui ne fournissent pas de NP efficace.

Compte tenu des rapports CO_3-NP/Sobek-NP généralement plus faibles observés dans la plupart des types de matériaux, ainsi que de la présence d'espèces carbonatées qui ne contribuent pas efficacement à la neutralisation de l'acide, Sobek-NP a été retenu comme indicateur privilégié du potentiel de neutralisation pour la présente analyse géochimique.

Représentation graphique de Sobek-NNP en fonction de Sobek-NPR (**Figure 8**) montre que tous les échantillons sauf un dépassant le critère NNP (NNP < 20 $kgCaCO_3/t$; ligne verte) dépassent également le critère NPR (NPR < 2 ; ligne orange). Cependant, une grande partie des échantillons qui satisfont au critère NPR (83,7 % de tous les échantillons) ne satisfont pas au critère NNP (27,4 % de tous les échantillons). Cette divergence s'explique par le fait que de nombreux échantillons présentent à la fois des valeurs NP et AP inférieures à 20, ce qui les classe comme PAG selon le critère NNP, à moins que leur teneur totale en soufre ne soit inférieure à 0,04 %.

Contrairement au NNP, qui tend à classer par défaut les matériaux présentant à la fois un faible NP et un faible AP comme PAG, le NPR fournit une mesure relative de la capacité de neutralisation acide qui reste significative même à des valeurs absolues faibles. Compte tenu de cette divergence, le NPR a été retenu comme mesure privilégiée pour la classification ABA, car il fournit des informations à la fois sur le NP et l'AP des échantillons, contrairement au NNP, qui ne fournit que des informations sur le NP.

Représentation graphique de Sobek-NPR en fonction du soufre total (**Figure 9**) révèle une tendance générale à la baisse des valeurs NPR avec l'augmentation de la teneur en soufre. Tous les échantillons dont la teneur totale en soufre est inférieure à 0,04 % (n = 118 ; 33,7 %) présentent des valeurs Sobek-NPR bien supérieures au seuil critique de 2. En outre, 99,7 % des échantillons dont la teneur en soufre est inférieure à 0,30 % présentent également des valeurs NPR supérieures à 2 et peuvent donc être classés comme non PAG. Au total, 57 échantillons (16,3 %) entrent dans la catégorie PAG, c'est-à-dire qu'ils se situent en dessous du seuil NPR de 2 et sont mis en évidence dans l'encadré orange.

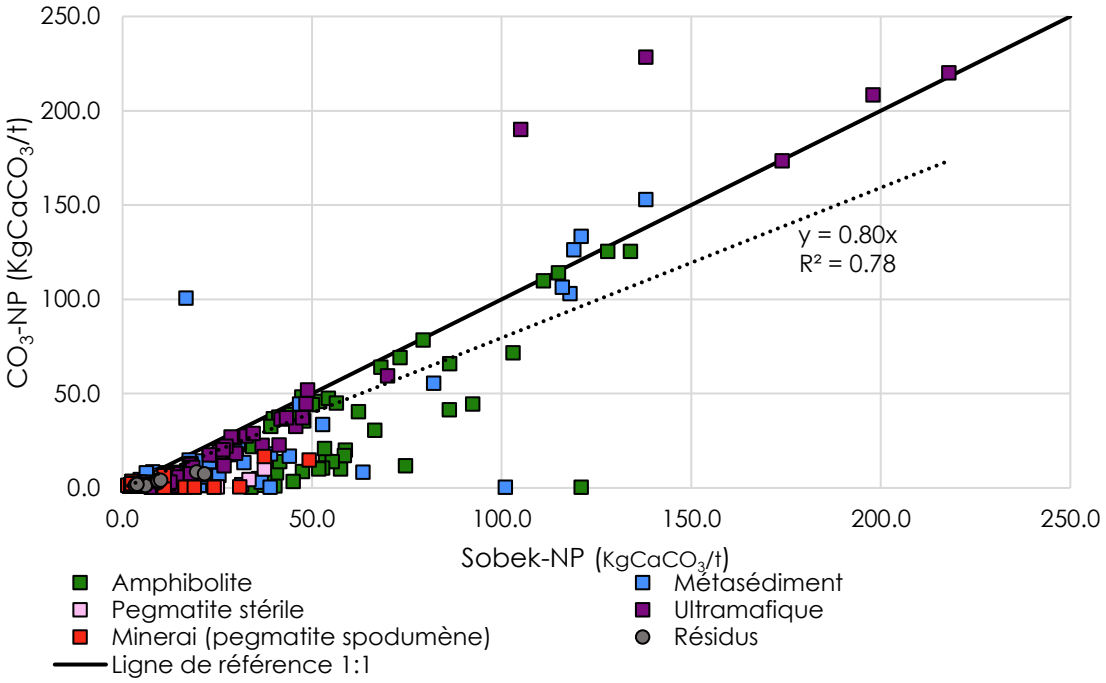


Figure 7: Relation entre Sobek-NP et CO3-NP

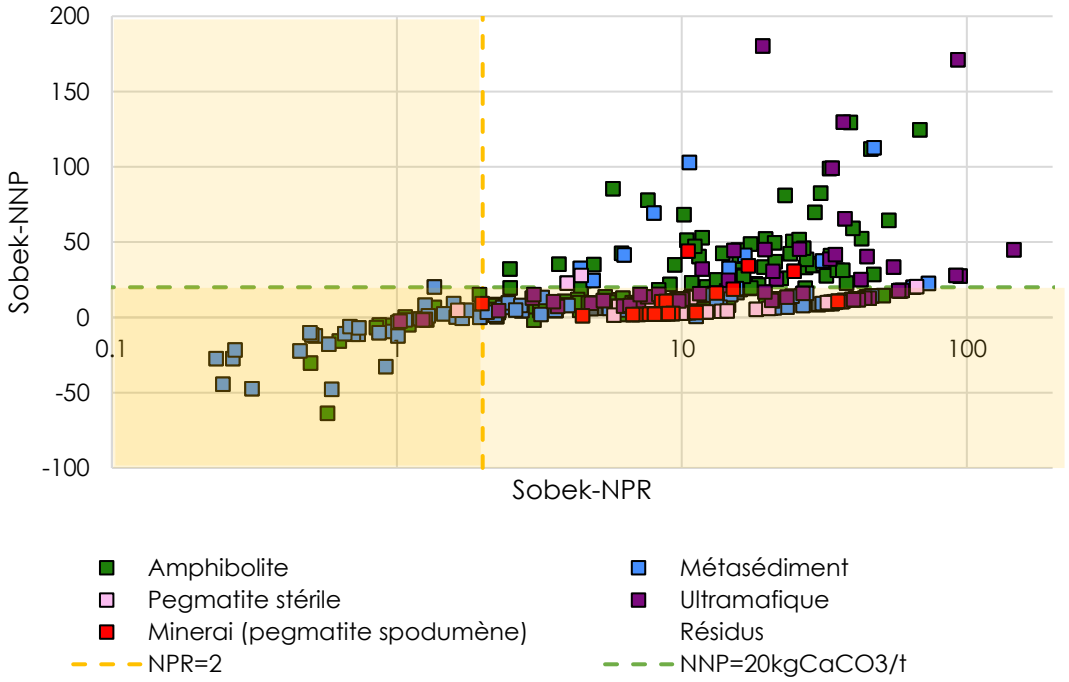


Figure 8: Relation entre Sobek-NNP et Sobek-NRP

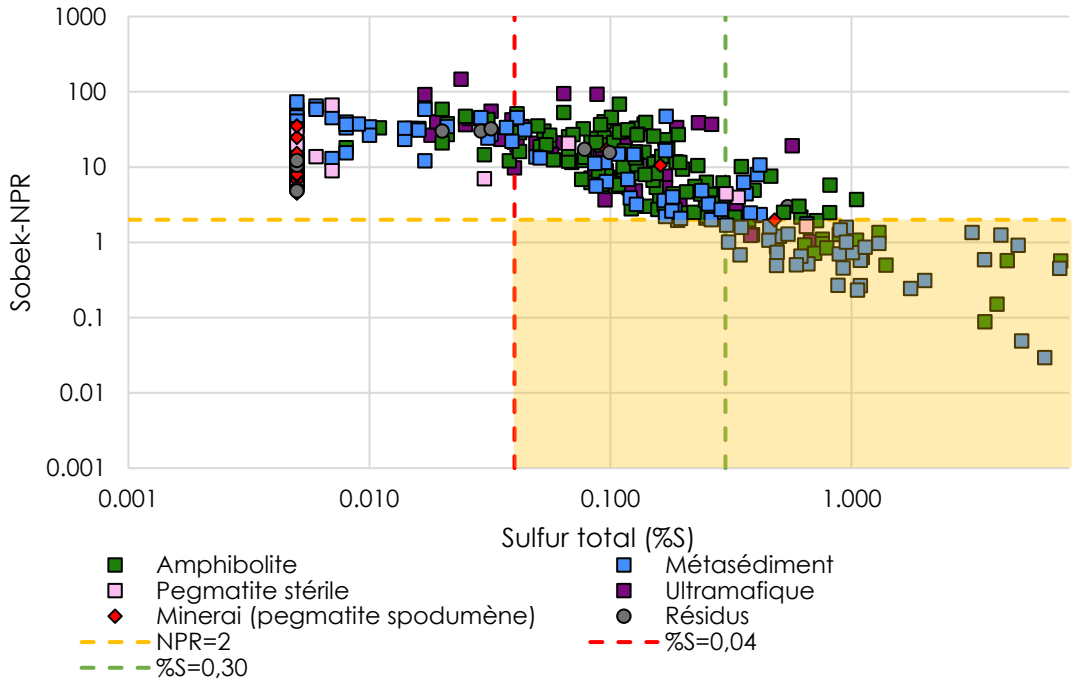


Figure 9: Relation entre NPR et soufre total

3.1.4 Résumé et interprétation

Afin d'étayer l'interprétation ABA des résultats des essais statiques, un tableau récapitulatif complet a été établi, compilant les paramètres clés pour tous les types de matériaux (**Tableau 11**). Ce tableau comprend une distribution statistique des valeurs totales de soufre, de soufre sulfuré, de carbone total, de teneur en carbonate, Sobek-NP, Sulfide-AP et Sobek-NPR.

L'analyse ABA a montré que le carbone total était fortement corrélé à la teneur en carbonate (R^2 = 0,97), ce qui suggère qu'il pourrait servir de bon indicateur du CO_3-NP. Cependant, le CO_3-NP n'était pas systématiquement corrélé au Sobek-NP (R^2 = 0,78 ; pente de régression = 0,80), les rapports CO_3-NP/Sobek-NP variant de 0,27 à 0,88 selon la lithologie. Cela indique qu'une partie importante des NP est probablement associée à des minéraux non carbonatés, tels que les silicates (par exemple, l'olivine, le feldspath, le pyroxène, l'amphibole) (Lawrence et Scheske, 1997 ; Jambor et al., 2002). Par conséquent, le carbone total et le carbone carbonaté semblent être de mauvais prédicteurs du NP. Dans les futurs essais statiques, le Sobek-NP devrait rester la méthode privilégiée pour la caractérisation du NP.

À l'inverse, le soufre total s'est révélé être un indicateur fiable, bien que légèrement prudent, du soufre sulfuré (R^2 = 0,99 ; pente de régression = 0,89), avec une moyenne de 83 % du soufre présent sous forme de sulfures. Les concentrations totales en soufre étaient généralement faibles, avec une moyenne de 0,35 % pour tous les types de matériaux. De plus, 28,2 % des échantillons de stériles, 88,0 % des échantillons de minerai et 77,8 % des échantillons de résidus miniers présentaient une teneur totale en soufre inférieure au seuil de 0,04 %.

De plus, une grande partie des échantillons qui répondaient au critère NPR (83,7 % de tous les échantillons) ne répondaient pas au critère NNP (seulement 27,4 % de tous les échantillons). Cette divergence s'explique par le fait que de nombreux échantillons avaient des valeurs NP inférieures à 20, ce qui les classait automatiquement comme PAG selon le critère NNP. Compte tenu de cette incohérence, le NPR a été retenu comme mesure privilégiée pour la classification ABA. Cette approche est considérée comme plus appropriée pour l'ensemble de données actuel, dans lequel de nombreux échantillons présentent une faible teneur en soufre et un potentiel de neutralisation modéré.

Parmi les 350 échantillons prélevés, 57 (16,3 %) ont été classés comme PAG. Les lithologies de roches stériles amphibolites (n = 16 ; 12,5 %) et métasédimentaires (n = 36 ; 35,6 %) présentaient les proportions les plus élevées d'échantillons PAG, tandis que les roches stériles pegmatitiques et ultramafiques ne présentaient respectivement qu'un (3,0 %) et trois (5,6 %) échantillons PAG. De plus, tous les échantillons de résidus ont été classés comme non PAG en raison de leur teneur totale en soufre négligeable (0,04 %), et un seul échantillon de minerai (4,0 %) a été classé comme PAG. **Tableau 12** résume le nombre d'échantillons PAG par type de lithologie.

L'interprétation des résultats a montré que les échantillons de stériles contenant moins de 0,30 % de soufre total étaient à 99,7 % exempts de PAG. Une valeur seuil de 0,30 % de soufre total pourrait donc être envisagée pour la séparation des matériaux contenant des PAG.

Table 11. Résumé des principales caractéristiques ABA des matériaux Shaakichiuwaanaan

Type de matériau	Paramètre statistique	Soufre total (%)	Sulfure (%)	Carbone total (%)	Carbonate (en %C)	Sobek-NP (kgCaCO3/t)	Sulfure-AP (kgCaCO3/t)	Sobek-NPR
Amphibolite	Moyenne	0,46	0,38	0,25	0,22	34,51	11,83	14 h 30
	Maximum	7,39	7,15	1,60	1,50	134,00	223,18	68,35
	0,75 centile	0,28	0,20	0,29	0,25	47,35	6,24	22,52
	Médiane	0,14	0,09	0,12	0,10	23,25	2,81	9,25
	0,25 centile	0,09	0,04	0,07	0,04	14,98	1,25	2,97
	Minimum	0,01	0,01	0,02	0,01	8,60	0,31	0,09
Métasédiments	Moyenne	0,53	0,43	0,19	0,16	20,93	13,35	14,64
	Maximum	6,34	6,22	2,40	1,84	138,00	194,15	73,37
	0,75 centile	0,50	0,39	0,12	0,10	18,95	12,02	26,99
	Médiane	0,17	0,10	0,06	0,05	12,70	3,12	4,88
	0,25 centile	0,02	0,01	0,03	0,02	8,60	0,31	1,27
	Minimum	0,01	0,01	0,01	0,01	3,50	0,31	0,03
Pegmatite stérile	Moyenne	0,04	0,05	0,05	0,03	10,36	1,47	12,60
	Maximum	0,65	0,49	0,28	0,20	49,20	15,29	66,64
	0,75 centile	0,01	0,04	0,04	0,02	11,65	1,25	12,98
	Médiane	0,01	0,01	0,03	0,01	6,30	0,31	9,93
	0,25 centile	0,01	0,01	0,02	0,01	3,15	0,31	7,29
	Minimum	0,01	0,01	0,01	0,01	1,80	0,31	1,63
Ultramafique	Moyenne	0,12	0,08	0,31	0,29	32,25	2,59	24,39
	Maximum	0,68	0,58	2,71	2,64	218,00	18,10	146,41
	0,75 centile	0,13	0,09	0,33	0,30	33,55	2,81	34,80
	Médiane	0,06	0,04	0,11	0,07	16,60	1,25	15,62
	0,25 centile	0,03	0,02	0,05	0,02	12,50	0,62	6,81
	Minimum	0,01	0,01	0,01	0,01	3,30	0,31	1,03

Type de matériau	Paramètre statistique	Soufre total (%)	Sulfure (%)	Carbone total (%)	Carbonate (en %C)	Sobek-NP (kgCaCO3/t)	Sulfure-AP (kgCaCO3/t)	Sobek-NPR
Minerai (pegmatite spodumène)	Moyenne	0,12	0,08	0,31	0,29	32,25	2,59	24,39
	Maximum	0,68	0,58	2,71	2,64	218,00	18,10	146,41
	0,75 centile	0,13	0,09	0,33	0,30	33,55	2,81	34,80
	Médiane	0,06	0,04	0,11	0,07	16,60	1,25	15,62
	0,25 centile	0,03	0,02	0,05	0,02	12,50	0,62	6,81
	Minimum	0,01	0,01	0,01	0,01	3,30	0,31	1,03
Résidus miniers	Moyenne	0,03	0,02	0,06	0,04	9,93	0.73	17,57
	Maximum	0,10	0,04	0,14	0,10	21,60	1,25	32,36
	0,75 centile	0,06	0,04	0,12	0,07	14,80	1,25	30,11
	Médias	0,02	0,01	0,06	0,03	9,40	0,31	15,62
	0,25 centile	0,01	0,01	0,02	0,01	4,90	0,31	7,81
	Minimum	0,01	0,01	0,02	0,01	3,30	0,31	4,81

Table 12: Classification des échantillons PAG par type de matériau et de lithologie

Type de matériau	n	Nombre d'échantillons PAG	Proportion d'échantillons PAG (%)
Amphibolite	128	16	12,5 %
Métasédiment	101	36	35,6 %
Pegmatite stérile	33	1	3,0 %
Ultramafique	54	3	5,6 %
Total des stériles	**316**	**56**	**17,7 %**
Minerai (pegmatite spodumène)	25	1	4,0 %
Résidus miniers	9	0	0,0 %

3.2 Constituants extractibles et potentiel de lixiviation

Les résultats des essais de lixiviation effectués sur les échantillons sélectionnés ont été évalués conformément aux lignes directrices du MELCCFP.

Afin de mettre en évidence les enrichissements potentiels en COPC des matériaux, les résultats du essais de lixiviation à l'eau régale ont été comparés à la concentration moyenne de la croûte continentale. (Rudnick et Gao, 2014) ainsi qu'aux informations générales sur la province géologique supérieure fournies à l'annexe 1 du *Guide d'intervention – protection des sols et réhabilitation des terrains contaminés* (MELCCFP, 2021).

Comme indiqué précédemment, il convient de noter que les teneurs moyennes de la croûte terrestre se réfèrent à la teneur totale (digestion totale) et que les teneurs extractibles se réfèrent à la teneur partielle (digestion partielle). Par conséquent, les comparaisons doivent être effectuées avec prudence. Cependant, les teneurs extractibles peuvent être comparées aux critères A présentés dans le guide MELCCFP (2021).

Les résultats des essais de lixiviation SPLP et CTEU-9 ont été comparés aux *Critères de qualité pour la protection de la vie aquatique – effet aigu* (CVAA) tirés des Critères de qualité des eaux de surface (CQES) fournis par le MELCCFP. Les valeurs réglementaires pour certains éléments (par exemple, le cadmium, le manganèse) dépendent de la dureté du système aquatique récepteur, tandis que pour l'aluminium (Al), elles dépendent également du carbone organique dissous (concentration en COD) et du pH. Les valeurs réglementaires ont été calculées en supposant une concentration en COD de 5 mg/L, un pH de 6 et une dureté de 5 mg/L.

Les résultats des essais de lixiviation TCLP ont été comparés à la directive 019 – annexe 2 sur les caractéristiques des résidus miniers (à haut risque).

Les tableaux récapitulatifs des résultats des essais de lixiviation et des réglementations figurent à l'**Annexe C**.

3.2.1 Constituants extractibles

Une comparaison des éléments enrichis par rapport à 10 fois la teneur moyenne de la croûte continentale est fournie dans **Tableau 13** pour mettre en évidence les enrichissements en métaux et métalloïdes supérieurs aux niveaux naturels.

L'arsenic était l'élément le plus enrichi, avec 59 % des échantillons de stériles dépassant 10 fois l'abondance crustale. Un enrichissement élevé en arsenic a été particulièrement observé dans les stériles ultramafiques (n = 54 ; 100 %), les amphibolites (n = 73 ; 57 %) et les métasédiments (n = 11 ; 33 %).

L'antimoine et le lithium étaient également très enrichis, les échantillons enrichis correspondant respectivement à 50 % et 40 % du total des échantillons de stériles. L'enrichissement en antimoine était particulièrement notable dans les roches ultramafiques (n = 48 ; 89 %), les amphibolites (n = 65 ; 51 %) et les stériles pegmatitiques (n = 33 ; 33 %). Le lithium était le plus abondant dans les roches stériles pegmatitiques (n = 69 ; 68 %), suivies des roches stériles ultramafiques (n = 17 ; 31 %) et amphibolites (n = 38 ; 30 %).

D'autres éléments ont dépassé 10 fois leur abondance dans la croûte terrestre uniquement dans un nombre limité d'échantillons. Le bismuth a atteint 45 % des métasédiments (n = 15), le nickel a dépassé le seuil dans 22 % des stériles ultramafiques (n = 12) et le bore l'a dépassé dans 6 % des échantillons ultramafiques (n = 3 ; 6 %). Les autres éléments, notamment le cadmium, le cuivre, le plomb, le mercure, le molybdène, l'étain, l'uranium et le zinc, ont montré un enrichissement limité dans l'ensemble des stériles.

Le minerai de pegmatite spodumène et les résidus miniers présentent généralement moins d'échantillons dépassant 10 % d'abondance crustale, à l'exception notable de l'arsenic (n = 13 ; 52 % dans le minerai ; n = 5 ; 56 % dans les résidus miniers) et de l'antimoine (n = 13 ; 52 % dans le minerai ; n=8 ; 89 % dans les résidus), et pour le bore à la fois dans le minerai (n=13 ; 52 %) et dans les résidus (n=4 ; 44 %).

Il convient de noter que les résultats de la digestion à l'eau régale ne représentent qu'une partie du contenu total, les dépassements de la teneur moyenne de la croûte terrestre sont susceptibles d'être plus importants et présents dans un plus grand nombre d'échantillons.

Une comparaison des concentrations en métaux et métalloïdes obtenues par extraction à l'eau régale par rapport aux critères A de la province géologique supérieure est fournie dans **Tableau 14** pour mettre en évidence les contenus extractibles au-dessus des niveaux naturels de fond.

L'arsenic était l'élément le plus enrichi, avec 78 % des échantillons de stériles dépassant le critère A. Un enrichissement élevé en arsenic a été particulièrement observé dans les stériles ultramafiques (n=54 ; 100 %), les stériles de pegmatite (n=25 ; 76 %), les amphibolites (n=98 ; 77 %) et les métasédiments (n=70 ; 69 %).

Le cuivre et le nickel étaient également fréquemment enrichis, observés respectivement dans 45 % et 32 % des échantillons de stériles totaux. L'enrichissement en cuivre était particulièrement notable dans l'amphibolite (n = 98 ; 77 %), l'ultramafique (n = 24 ; 44 %) et les métasédiments (n =

18 ; 18 %). Le nickel dépassait le critère A principalement dans les roches ultramafiques (n = 53 ; 98 %), suivies par l'amphibolite (n = 36 ; 28 %) et les métasédiments (n = 12 ; 12 %).

Le chrome et le cobalt ont montré un enrichissement significatif dans les stériles ultramafiques, 98 % des échantillons ultramafiques dépassant le critère A pour le chrome (n = 53) et 65 % pour le cobalt (n = 35).

D'autres éléments n'ont dépassé les critères A que dans un nombre limité d'échantillons. Mis à part l'arsenic, le cuivre, le nickel et le chrome, des éléments tels que l'étain, le baryum, le cadmium, le plomb, le manganèse, le mercure, le molybdène, l'argent et le zinc ont montré un enrichissement plus limité dans l'ensemble des stériles. L'étain était particulièrement enrichi dans les métasédiments (n = 12 ; 12 %) et l'amphibolite (n = 7 ; 5 %).

Le minerai de pegmatite spodumène et les résidus miniers présentaient généralement peu d'échantillons dépassant les critères A, à l'exception de l'arsenic (n = 22 ; 88 % dans le minerai ; n = 9 ; 100 % dans les résidus miniers), du chrome (n = 3 ; 12 % dans le minerai ; n = 5 ; 56 % dans les résidus miniers) et du nickel dans les résidus miniers (n = 3 ; 33 %).

Table 13Résumé des résultats obtenus avec l'eau régale dépassant 10 fois la teneur moyenne de la croûte continentale par lithologie

Paramètres	Abondance crustale 10X (ppm)[1]	Amphibolite	Pegmatite stérile	Métasédiments	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
Antimoine	**2 ppm**	65	33	12	48	158	13	8
		51 %	33 %	36 %	89 %	50 %	52 %	89 %
Arsenic	**13 ppm**	73	50	11	54	188	13	5
		57 %	50 %	33 %	100 %	59 %	52 %	56 %
Bismuth	**1,8 ppm**	2	2	15	1	20	12	8
		2 %	2 %	45 %	2 %	6 %	48 %	89 %
Bore	**110 ppm**	0	1	0	3	4	13	4
		0 %	1 %	0 %	6 %	1 %	52 %	44 %
Cadmium	**0,8 ppm**	2	6	0	1	9	0	0
		2 %	6 %	0 %	2 %	3 %	0 %	0 %
Cuivre	**370 ppm**	1	1	0	0	2	0	0
		1 %	1 %	0 %	0 %	1 %	0 %	0 %
Plomb	**110 ppm**	0	2	0	0	2	0	0
		0 %	2 %	0 %	0 %	1 %	0 %	0 %
Lithium	**160 ppm**	38	69	2	17	126	2	0
		30 %	68 %	6 %	31 %	40 %	8 %	0 %
Mercure	**0,3 ppm**	1	1	0	0	2	0	0
		1 %	1 %	0 %	0 %	1 %	0 %	0 %
Molybdène	**8 ppm**	0	0	0	1	1	0	0
		0 %	0 %	0 %	2 %	0 %	0 %	0 %
nickel	**590 ppm**	0	0	0	12	12	0	0
		0 %	0 %	0 %	22 %	4 %	0 %	0 %
Étain	**17 ppm**	2	3	0	1	6	0	0

Paramètres	Abondance crustale 10X (ppm)[1]	Amphibolite	Pegmatite stérile	Métasédiments	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
		2 %	3 %	0 %	2 %	2 %	0 %	0 %
Uranium	**13 ppm**	0	0	2	0	2	0	0
		0 %	0 %	6 %	0 %	1 %	0 %	0 %
Zinc	**710 ppm**	2	2	0	0	4	0	0
		2 %	2 %	0 %	0 %	1 %	0 %	0 %

[1]Abondances de la croûte continentale obtenues à partir de Rudnick et Gao, 2014

Table 14. Résumé des résultats d'analyses à l'eau régale dépassant les seuils réglementaires

Paramètres	Critères A[1]	Amphibolite	Métasédiments	Pegmatite stérile	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
Arsenic	**5 ppm**	98	70	25	54	**247**	22	9
		77 %	69 %	76 %	100 %	**78 %**	88 %	100 %
Baryum	**240 ppm**	1	1	0	0	**2**	0	0
		1 %	1 %	0 %	0 %	**1 %**	0 %	0 %
Cadmium	**0,9 ppm**	2	5	0	1	**8**	0	0
		2 %	5 %	0 %	2 %	**3 %**	0 %	0 %
Chrome	**100 ppm**	9	8	4	53	**74**	3	5
		7 %	8 %	12 %	98 %	**23 %**	12 %	56 %
Cobalt	**30 ppm**	3	2	0	35	**40**	0	0
		2 %	2 %	0 %	65 %	**13 %**	0 %	0 %
Cuivre	**65 ppm**	98	18	3	24	**143**	0	0
		77 %	18 %	9 %	44 %	**45 %**	0 %	0 %
Plomb	**40 ppm**	2	3	1	1	**7**	0	0
		2 %	3 %	3 %	2 %	**2 %**	0 %	0 %
Manganèse	**1000 ppm**	0	2	0	0	**2**	0	0
		0 %	2 %	0 %	0 %	**1 %**	0 %	0 %
Mercure	**0,3 ppm**	1	1	0	0	**2**	0	0
		1 %	1 %	0 %	0 %	**1 %**	0 %	0 %
Molybdène	**8 ppm**	0	0	0	1	**1**	0	0
		0 %	0 %	0 %	2 %	**0 %**	0 %	0 %
nickel	**50 ppm**	36	12	1	53	**102**	0	3
		28 %	12 %	3 %	98 %	**32 %**	0 %	33 %
Argent	**0,5 ppm**	1	3	0	1	**5**	1	0
		1 %	3 %	0 %	2 %	**2 %**	4 %	0 %

Paramètres	Critères A[1]	Amphibolite	Métasédiments	Pegmatite stérile	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
Étain	**5 ppm**	7	12	3	5	**27**	4	0
		5 %	12 %	9 %	9 %	**9 %**	16 %	0 %
Zinc	**150 ppm**	2	6	0	1	**9**	0	0
		2 %	6 %	0 %	2 %	**3 %**	0 %	0 %

[1]Annexe 1 – Critères génériques A (niveaux de fond) pour les métaux et métalloïdes dans les sols de la province géologique du Supérieur (MELCC, 2021)

3.2.2 Essais SPLP

Les résultats du pH obtenus lors des essais de lixiviation SPLP ont présenté une valeur finale moyenne de 8,10 et sont restés conformes aux directives sur la qualité des eaux de surface pour les effluents miniers (6,0 à 9,5) en cas d'exposition chronique du CQES pour tous les échantillons, à l'exception d'un échantillon de métasédiments (CV5-MS-202) présentant une valeur de 5,72.

Une comparaison des résultats des essais de lixiviation SPLP avec les critères CVAA est fournie dans **Tableau 16** pour mettre en évidence les éléments dépassant les seuils réglementaires spécifiques au site.

L'aluminium était l'élément qui dépassait le plus souvent le critère de la CVAA, avec 79 % des échantillons de stériles totales dépassant 0,18 ppm. Des dépassements élevés de la teneur en aluminium ont été observés dans tous les types de stériles, y compris l'amphibolite (n = 121 ; 95 %), les métasédiments (n = 89 ; 88 %), la pegmatite stérile (n = 28 ; 85 %) et les roches ultramafiques (n = 12 ; 22 %).

L'arsenic a dépassé le critère de la CVAA dans une petite partie des échantillons (6 % du total des stériles), principalement dans les stériles ultramafiques (n = 17 ; 31 %), avec des dépassements très limités dans l'amphibolite (n = 2 ; 2 %) et la stérile pegmatitique (n = 1 ; 1 %).

Les autres éléments dépassant les critères CVAA dans un nombre limité d'échantillons comprennent l'antimoine, le cuivre, le béryllium, le plomb, l'uranium et le zinc. L'antimoine dépassait le critère dans les échantillons de métasédiments (n = 1 ; 1 %) et d'ultramafiques (n = 1 ; 2 %), tandis que le cuivre dépassait le critère dans 3 % des échantillons de roches stériles, notamment dans les amphibolites (n = 3 ; 2 %), les métasédiments (n = 4 ; 4 %) et la pegmatite stérile (n = 4 ; 12 %). Les dépassements de béryllium ont été observés essentiellement dans la pegmatite stérile (n = 4 ; 12 %). Le plomb et le fer ont dépassé les critères dans très peu d'échantillons, avec seulement quelques occurrences isolées, l'uranium a dépassé le critère de la CVAA dans deux échantillons de pegmatite stérile (n=2; 6 %) et le zinc a dépassé le seuil de la CVAA dans 3 % des échantillons de stériles, principalement dans l'amphibolite (n=5; 4 %), la pegmatite stérile (n=3; 9 %) et les métasédiments (n=2; 2 %).

Le minerai et les résidus ont présenté globalement moins de dépassements, à l'exception notable de l'aluminium (n = 15 ; 60 % dans le minerai ; n = 8 ; 89 % dans les résidus) et du cuivre (n = 3 ; 12 % dans le minerai ; n = 3 ; 33 % dans les résidus), ainsi que du zinc dans les résidus (n = 2 ; 22 %).

Tableau 16 présente les résultats des essais SPLP comparés aux critères MDMER et D019. Des dépassements des critères MDMER/D019 ont été observés uniquement pour l'arsenic et le fer. L'arsenic (0,10 mg/L) a été dépassé dans 12 échantillons d'amphibolite (n = 128 ; 9 %), 5 métasédiments (n = 101 ; 5 %), 1 échantillon de pegmatite stérile (n = 33 ; 3 %) et 36 échantillons ultramafiques (n = 54 ; 67 %). Au total, 54 échantillons de stériles (n = 316 ; 17 %) dépassaient le critère, ainsi que 4 échantillons de minerai de pegmatite spodumène (n = 25 ; 16 %) et 3 échantillons de résidus (n = 9 ; 33 %). Le fer (3 mg/L) dépassait le critère dans un seul échantillon de métasédiment (n = 101 ; 1 %). Le fer, dont le critère est de 3 mg/L, n'a dépassé la limite que dans un seul échantillon de métasédiment (n = 101 ; 1 %). Aucun dépassement n'a été enregistré dans les autres types de matériaux.

Table 15. Résumé des échantillons présentant des résultats des essais de lixiviation SPLP dépassant les valeurs réglementaires de la CVAA

Paramètres	CVAA[3]	Amphibolite	Métasédiments	Pegmatite stérile	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
Aluminium[1, 2]	0,28 mg/l	121	89	28	12	250	12	5
		95 %	88 %	85 %	22 %	79 %	48 %	56 %
Antimoine	0,31 mg/l	0	1	0	1	2	0	0
		0 %	1 %	0 %	2 %	1 %	0 %	0 %
Arsenic	0,34 mg/l	2	1	0	17	20	0	0
		2 %	1 %	0 %	31 %	6 %	0 %	0 %
Béryllium[1]	0,0012 mg/l	0	0	4	0	4	2	0
		0 %	0 %	12 %	0 %	1 %	8 %	0 %
Cuivre[1]	0,0016 mg/l	3	4	4	0	11	3	3
		2 %	4 %	12 %	0 %	3 %	12 %	33 %
Fer	3,4 mg/l	0	1	0	0	1	0	0
		0 %	1 %	0 %	0 %	0 %	0 %	0 %
Plomb[1]	0,004 mg/l	0	0	1	0	1	0	0
		0 %	0 %	3 %	0 %	0 %	0 %	0 %
Uranium	0,017 mg/l	0	0	2	0	2	0	0
		0 %	0 %	6 %	0 %	1 %	0 %	0 %
Zinc	0,017 mg/l	5	2	3	0	10	2	2
		4 %	2 %	9 %	0 %	3 %	8 %	22 %

[1]Les valeurs des paramètres de qualité de l'eau de l'environnement récepteur utilisées pour déterminer les seuils réglementaires de la CVAA sont les suivantes : un pH de 6, une dureté de 5 mg/L, [2]et une concentration en carbone organique dissous (COD) de 5 mg/L. [3]Critère de qualité des eaux de surface – Protection de la vie aquatique (effet aigu).

Table 16. Résumé des échantillons présentant des résultats des essais de lixiviation SPLP dépassant les valeurs réglementaires MDMER et D019.

Paramètres	MDMER / Directive 019	Amphibolite	Métasédiments	Pegmatite stérile	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus miniers
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
Arsenic	0,10 mg/l	12	5	1	36	54	4	3
		9 %	5 %	3 %	67 %	17 %	16 %	33 %
Fer	3 mg/l	0	1	0	0	1	0	0
		0 %	1 %	0 %	0 %	0 %	0 %	0 %

3.2.3 essais de lixiviation CTEU-9

Les résultats de pH obtenus à partir des essais de lixiviation CTEU-9 se situaient entre 4,67 et 9,77, avec 16 échantillons de stériles et un échantillon de minerai dépassant la limite supérieure de pH de 9,5, et deux échantillons, dont un amphibolite (VIS-CV5-AMP-106) et un métasédiment (VIS-CV5-MS-202), dépassant la limite inférieure avec des valeurs de pH respectives de 5,67 et 4,67.

Une comparaison des résultats des essais de lixiviation SPLP avec les critères CVAA est fournie dans **Tableau 17** pour mettre en évidence les éléments dépassant les seuils réglementaires spécifiques au site.

L'aluminium était l'élément qui dépassait le plus souvent le critère de la CVAA, avec 70 % des échantillons de stériles totales dépassant 0,28 ppm. Des dépassements élevés de la teneur en aluminium ont été observés dans tous les types de stériles, y compris les métasédiments (n = 84 ; 83 %), l'amphibolite (n = 97 ; 76 %), la pegmatite stérile/granite (n = 33 ; 100 %) et les roches ultramafiques (n = 8 ; 15 %). L'aluminium dépassait également le critère dans tous les échantillons de minerai de pegmatite spodumène (n = 25 ; 100 %) et dans la plupart des résidus (n = 8 ; 89 %).

L'arsenic dépassait le critère de la CVAA dans 37 % des échantillons de stériles, principalement dans les stériles ultramafiques (n = 50 ; 93 %) et les stériles pegmatitiques (n = 24 ; 73 %), avec des dépassements supplémentaires dans les amphibolites (n = 26 ; 20 %) et les métasédiments stériles (n = 16 ; 16 %). L'arsenic était présent dans tous les échantillons de résidus (n = 9 ; 100 %) et dans la plupart des échantillons de minerai (n = 19 ; 76 %).

D'autres éléments dépassant les critères CVAA dans une plus petite fraction des échantillons comprennent le cuivre, le béryllium, le lithium, l'antimoine, le fer, le cadmium et le plomb. Le cuivre dépassait le critère dans 33 % des échantillons de stériles, notamment dans les stériles pegmatitiques (n = 19 ; 58 %), les amphibolites (n = 37 ; 29 %), les stériles pegmatitiques/granitiques (n = 34 ; 34 %) et les roches ultramafiques (n = 13 ; 24 %). Le lithium dépassait le critère dans 51 % des échantillons de stériles, en particulier dans l'amphibolite (n = 69 ; 54 %), la pegmatite stérile (n = 63 ; 62 %) et les roches ultramafiques (n = 21 ; 39 %). L'antimoine dépassait le critère dans 21 % des échantillons de stériles, notamment dans les stériles ultramafiques (n = 36 ; 67 %), dans le minerai (n = 10 ; 40 %) et dans les résidus (n = 5 ; 86 %). Le béryllium dépassait le seuil principalement dans la pegmatite stérile (n = 13 ; 39 %), tandis que l'antimoine le dépassait principalement dans les roches ultramafiques (n = 21 ; 39 %). Le fer dépassait le critère dans 8 % des échantillons de roches stériles, principalement dans l'amphibolite (n = 7 ; 5 %) et la pegmatite stérile/granite (n = 12 ; 12 %). Le cadmium et le plomb dépassaient le critère CVAA dans très peu d'échantillons. Les dépassements pour le manganèse étaient négligeables.

Tableau 18 présente les résultats des essais CTEU-9 comparés aux critères MDMER/D019. Des dépassements ont été observés pour l'arsenic, le fer et le nickel. L'arsenic (0,10 ppm) a dépassé le critère dans 62 échantillons d'amphibolite (n = 128 ; 48 %), 37 échantillons de stériles pegmatitiques (n = 101 ; 37 %), 31 échantillons de stériles pegmatitiques (n = 33 ; 94 %) et 53 échantillons ultramafiques (n = 54 ; 98 %). Au total, 183 échantillons de stériles (n = 316 ; 58 %) dépassaient le critère, en plus de 25 échantillons de minerai de spodumène de

pegmatite (n = 25 ; 100 %) et 9 échantillons de résidus (n = 9 ; 100 %). Le fer (3 ppm) dépassait le critère dans 8 échantillons d'amphibolite (n = 128 ; 6 %), 15 échantillons de métasédiments (n = 101 ; 15 %), 3 échantillons de pegmatite stérile (n = 33 ; 9 %) et 6 échantillons ultramafiques (n = 54 ; 11 %). Cela représentait 32 échantillons de roches stériles (n = 316 ; 10 %) ainsi que 15 échantillons de minerai de pegmatite spodumène (n = 25 ; 60 %). Le nickel (0,25 ppm) dépassait le critère dans un seul échantillon ultramafique (n = 54 ; 2 %), sans dépassement dans les autres matériaux.

Table 17: Résumé des échantillons présentant des valeurs CTEU-9 dépassant les valeurs réglementaires CVAA

Paramètres	CVAA[3]	Amphibolite	Métasédiments	Pegmatite stérile	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus miniers
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
Aluminium[1, 2]	0,28 mg/l	97	84	33	8	222	25	8
		76 %	83 %	100 %	15 %	70 %	100 %	89 %
Antimoine	0,31 mg/l	20	9	2	36	67	10	5
		16 %	9 %	6 %	67 %	21 %	40 %	56 %
Arsenic	0,34 mg/l	26	16	24	50	116	19	9
		20 %	16 %	73 %	93 %	37 %	76 %	100 %
Béryllium[1]	0,0012 mg/l	0	1	13	0	14	7	0
		0 %	1 %	39 %	0 %	4 %	28 %	0 %
Cadmium[1]	0,0002 mg/l	1	2	0	0	3	0	0
		1 %	2 %	0 %	0 %	1 %	0 %	0 %
Cuivre[1]	0,0016 mg/l	37	34	19	13	103	6	5
		29 %	34 %	58 %	24 %	33 %	24 %	56 %
Fer	3,4 mg/l	7	12	2	5	26	15	0
		5 %	12 %	6 %	9 %	8 %	60 %	0 %
Plomb[1]	0,004 mg/l	1	5	3	0	9	0	0
		1 %	5 %	9 %	0 %	3 %	0 %	0 %
Lithium	0,91 mg/l	69	63	8	21	161	25	5
		54 %	62 %	24 %	39 %	51 %	100 %	56 %
Manganèse	0,55 mg/l	0	1	0	0	1	0	0
		0 %	1 %	0 %	0 %	0 %	0 %	0 %
Nickel[1]	0,067 mg/l	0	0	0	8	8	0	0
		0 %	0 %	0 %	15 %	3 %	0 %	0 %
Uranium	0,32 mg/l	1	1	21	0	23	19	7

Paramètres	CVAA[3]	Amphibolite	Métasédiments	Pegmatite stérile	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus miniers
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
		1 %	1 %	64 %	0 %	7 %	76 %	78 %
Vanadium	0,11 mg/l	1	2	1	0	4	0	0
		1 %	2 %	3 %	0 %	1 %	0 %	0 %
Zinc	0,017 mg/l	0	3	1	0	4	0	2
		0 %	3 %	3 %	0 %	1 %	0 %	22 %

[1]Les valeurs des paramètres de qualité de l'eau du milieu récepteur utilisées pour déterminer les seuils réglementaires de la CVAA sont les suivantes : un pH de 6, une dureté de 5 mg/L, [2]et une concentration en carbone organique dissous (COD) de 5 mg/L.
[3]Critère de qualité des eaux de surface – Protection de la vie aquatique (effet aigu)

Table 18: Résumé des échantillons présentant des résultats CTEU-9 dépassant les valeurs réglementaires MDMER et D019.

Paramètres	MDMER / Directive 019	Amphibolite	Métasédiments	Pegmatite stérile	Ultramafique	Total des stériles	Minerai (pegmatite spodumène)	Résidus miniers
		n = 128	n = 101	n = 33	n = 54	n = 316	n = 25	n=9
Arsenic	0,10 ppm	62	37	31	53	183	25	9
		48 %	37 %	94 %	98 %	58 %	100 %	100 %
Fer[1]	3 ppm	8	15	3	6	32	15	0
		6 %	15 %	9 %	11 %	10 %	60 %	0 %
Nickel[1]	0,25 ppm	0	0	0	1	1	0	0
		0 %	0 %	0 %	2 %	0 %	0 %	0 %

3.2.4 Essais de lixiviation TCLP

Des essais de lixiviation TCLP ont été réalisés selon les critères D019 pour les rejets miniers à haut risque, et les deux dépassements identifiés provenaient des stériles ultramafiques.

Deux échantillons ultramafiques, analysés au cours de la phase 1, ont affiché des résultats TCLP-arsenic supérieurs au critère D019 de 5 mg/L, avec des valeurs respectives de 5,80 et 7,58 mg/L. Cependant, comme ces échantillons ont été classés comme non PAG, ils ne sont pas soumis à la classification « à haut risque » selon les critères du Québec. Ces deux échantillons avaient été sélectionnés spécifiquement dans la DHDB en raison de leur teneur élevée en arsenic sous forme de peroxyde de sodium.

3.2.5 Résumé et interprétation

Un résumé des métaux (métalloïdes) enrichis et des COPC identifiés à partir des différents essais statiques réalisés dans le cadre de l'étude sur les essais statiques est présenté dans **Tableau 19**.

L'analyse des composants extractibles à l'eau régale a permis d'identifier un large éventail de composants enrichis par rapport à la teneur de la croûte continentale 10X et aux seuils de teneur extractible de la province géologique supérieure. Dans les deux cas, l'arsenic (As) a été identifié comme le composant le plus enrichi.

Les essais de lixiviation SPLP et CTEU-9 ont partiellement reflété les enrichissements observés dans les analyses extractibles à l'eau régale, avec des variations résumées dans **Tableau 19**. par exemple, le cobalt, l'étain, l'argent et le mercure ont été exclus de la liste des constituants mis en évidence par les essais de lixiviation SPLP et CTEU-9. L'aluminium a présenté le plus grand nombre de dépassements, avec respectivement 267 et 255 occurrences dans les essais SPLP et CTEU-9, suivi par l'arsenic dans les essais SPLP (20 occurrences) et le lithium (191 occurrences), puis l'arsenic (144 occurrences) dans les essais CTEU-9. Plusieurs autres métaux ont également été mis en évidence dans les deux essais, notamment le cuivre, le zinc et le béryllium, tandis que des dépassements supplémentaires n'ont été identifiés que dans les essais CTEU-9, notamment pour le fer, le cadmium, le manganèse et le nickel. Enfin, l'antimoine et l'uranium ont également été mis en évidence, ainsi qu'un seul dépassement pour le vanadium dans les essais CTEU-9.

Les résultats contrastés des essais SPLP et CTEU-9 en termes de dépassements et de constituants identifiés suggèrent que la taille des particules et le temps d'agitation ont été les principaux facteurs de mobilisation : le SPLP utilise des matériaux broyés à moins de 1 cm avec une agitation de 18 heures, tandis que le CTEU-9 utilise des matériaux broyés à 100 mesh (~150 µm) avec une agitation de 7 jours. En revanche, le pH plus faible du lixiviant SPLP (pH 4,2) par rapport au CTEU-9 (eau déionisée, pH 5,5-6) n'a pas amélioré de manière significative la mobilisation des constituants, ce qui indique que la plupart des échantillons ont conservé une capacité tampon suffisante pour limiter la lixiviation rapide des constituants sensibles au pH, tels que les métaux répertoriés.

Enfin, aucun échantillon ou composant « à haut risque » n'a été identifié sur la base de la classification ABA et des essais TCLP.

Table 19: Résumé des dépassements provenant des différents procédures d'essais statiques

Essai statique	Critère	paramètres
Eau régale	10 fois la teneur en croûte continentale	Arsenic (n=206), Antimoine (n=179), Lithium (n=128), Bismuth (n=40), Nickel (n=12), Cadmium (n=9), Argent (n=6), Zinc (n=4), Cuivre (n=2), Plomb (n=2), Mercure (n=2))
	Critères A	Arsenic (n=278), cuivre (n=143), nickel (n=105), cobalt (n=40), étain (n=31), zinc (n=9), cadmium (n=8), plomb (n=7), argent (n=6), mercure (n=2)
SPLP	CVAA	Aluminium (n=267), arsenic (n=20), cuivre (n=17), zinc (n=14), béryllium (n=6), antimoine (n=3), uranium (n=2), plomb (n=1)
	MDMER / D019	Arsenic (n=20), Fer (n=1)
CTEU-9	CVAA	Aluminium (n=255), Lithium (n=191), Arsenic (n=144), Cuivre (n=114), Zinc (n=102), Antimoine (n=82) ; Plomb (n=59), Uranium (n=49), Fer (n=26), Béryllium (n=21), Cadmium (n=3), Nickel (n=2), Manganèse (n=1), Vanadium (n=1)
	MDMER / D019	Arsenic (n=183), fer (n=32), nickel (n=1)
TCLP	D019 – Critères de risque élevé	Aucun[1]

[1]Deux échantillons de roches stériles ultramafiques non PAG sélectionnés dans le DHDB pour leur teneur élevée en arsenic sous forme de peroxyde de sodium présentaient des concentrations en arsenic TCLP supérieures au seuil D019 pour l'arsenic.

3.3 Essais cinétiques

Un programme d'essais cinétiques comprenant 15 HCT (plus un duplicata) et 5 colonnes de résidus (plus un duplicata) a été lancé à ce jour dans le cadre de ce programme de caractérisation géochimique. Les HCT ont été réalisés pendant plus de 100 semaines depuis avril 2023 et se poursuivent encore en juillet 2025. Les résultats présentés dans ce rapport s'appliquent aux 100 premières semaines. Le programme d'essais sur colonnes de résidus a été lancé en février 2025, et 20 semaines de données (11 rinçages) sont présentées dans le présent rapport.

Les échantillons soumis à l'essai HCT ont été sélectionnés sur la base des résultats des essais statiques afin d'inclure les différentes lithologies et types de matériaux et de couvrir un large éventail de potentiels de génération d'acide et de taux de lixiviation. Les paramètres chimiques présentés et interprétés dans cette section comprennent :

- Les critères physicochimiques tels que le pH et la conductivité électrique (conductivité) ;
- Les produits d'oxydation et de neutralisation, notamment le sulfate, le calcium et le magnésium – pour les HCT uniquement en tant que résidus miniers – ne présentaient aucun risque de génération d'acide ;
- Les COPC identifiés dans le cadre criblage via essais statiques et cinétiques.

Les tableaux récapitulant les résultats relatifs aux HCT et aux colonnes publicitaires sont présentés à l'**Annexe D**.

3.3.1 Essais en cellules humides

Figure 10 affiche la variation cinétique des paramètres physicochimiques, à savoir le pH (a) et la conductivité électrique (b).

a. Au départ, tous les HCT présentent des conditions alcalines modérées avec des valeurs de pH comprises entre 7,31 et 9,09. Au fil du temps, on observe une baisse générale du pH dans tous les HCT. À la semaine 100, les HCT CV5-WR-HCT-59, CV5-WR-HCT-39 et CV5-WR-HCT-36 tombent en dessous du seuil réglementaire de 6,0, avec des valeurs minimales atteignant 5,67 (CV5-WR-HCT-59) et 5,69 (CV5-WR-HCT-39). Les autres HCT se stabilisent dans une fourchette comprise entre 6,0 et 7,5.

b. La figure montre l'évolution de la conductivité (µS/cm) sur 100 semaines pour les 15 HCT. Au départ, les valeurs varient entre 27 (CV5-WR-HCT-59) et 154 µS/cm (CV5-WR-HCT-74), mais une forte baisse se produit au cours des 20 premières semaines, la conductivité tombant à 4-60 µS/cm selon la cellule. Au fil du temps, une stabilisation s'opère, mais à des niveaux variables : CV5-WR-HCT-50 (métasédiments) et CV5-WR-HCT-2 (amphibolite) se stabilisent à des valeurs plus élevées (~30-50 µS/cm), tandis que CV5-WR-HCT-64, CV5-WR-HCT-69 (pegmatite stérile) et CV5-WR-HCT-74, CV5-WR-HCT-76 (pegmatite spodumène, minerai) se stabilisent à des niveaux beaucoup plus bas (2-10 µS/cm). Une diminution de la conductivité indique généralement la libération de charges ioniques facilement disponibles à la surface des matériaux.

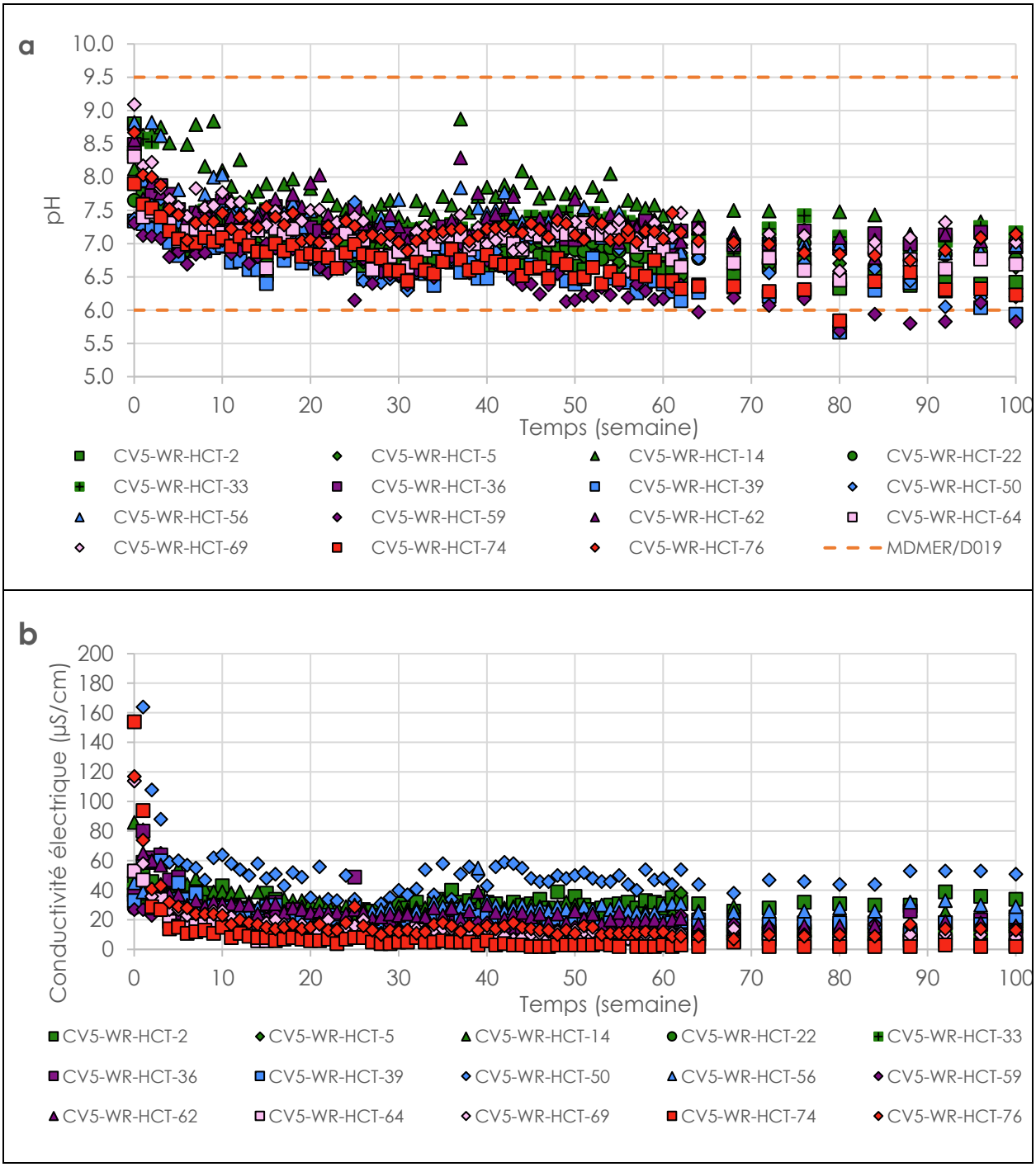


Figure 10. Tendances de la conductivité et du pH dans les essais en cellules humides

Les graphiques affichés dans **Figure 11** présenter les mesures d'alcalinité (a) et d'acidité (b) surveillées tout au long des 100 semaines d'essai.

a. Au départ, les valeurs d'alcalinité varient entre 27 (CV5-WR-HCT-59) et 164 mg $CaCO_3$/L (CV5-WR-HCT-50). Une baisse rapide se produit au cours des 20 premières semaines, les valeurs chutant à 4–60 mg $CaCO_3$/L selon la cellule. Au fil du temps, l'alcalinité se stabilise à différents niveaux : CV5-WR-HCT-50 (Métasédiments) reste plus élevé (~30–50 mg $CaCO_3$/L), tandis que CV5-WR-HCT-74 et CV5-WR-HCT-64 (pegmatite spodumène et pegmatite stérile, respectivement) se stabilisent à des niveaux beaucoup plus bas (2–10 mg $CaCO_3$/L). Une diminution de l'alcalinité indique une réduction du taux de tamponnage du matériau, reflétant une neutralisation acide continue.

b. L'acidité reste faible dans la plupart des HCT, avec des valeurs principalement égales ou inférieures à 2 mg $CaCO_3$/L pendant la majeure partie de la période de surveillance. Quelques cellules présentent de légères augmentations au fil du temps : CV5-WR-HCT-50 (Métasédiments) présente une augmentation progressive après la semaine 60, atteignant jusqu'à 17 mg $CaCO_3$/L à la semaine 100, tandis que CV5-WR-HCT-59 (Ultramafique) présente des fluctuations mineures, avec un pic à 9 mg $CaCO_3$/L. Ces augmentations suggèrent une génération d'acide dans des lithologies spécifiques, en particulier dans les HCT Métasédiments et Ultramafique.

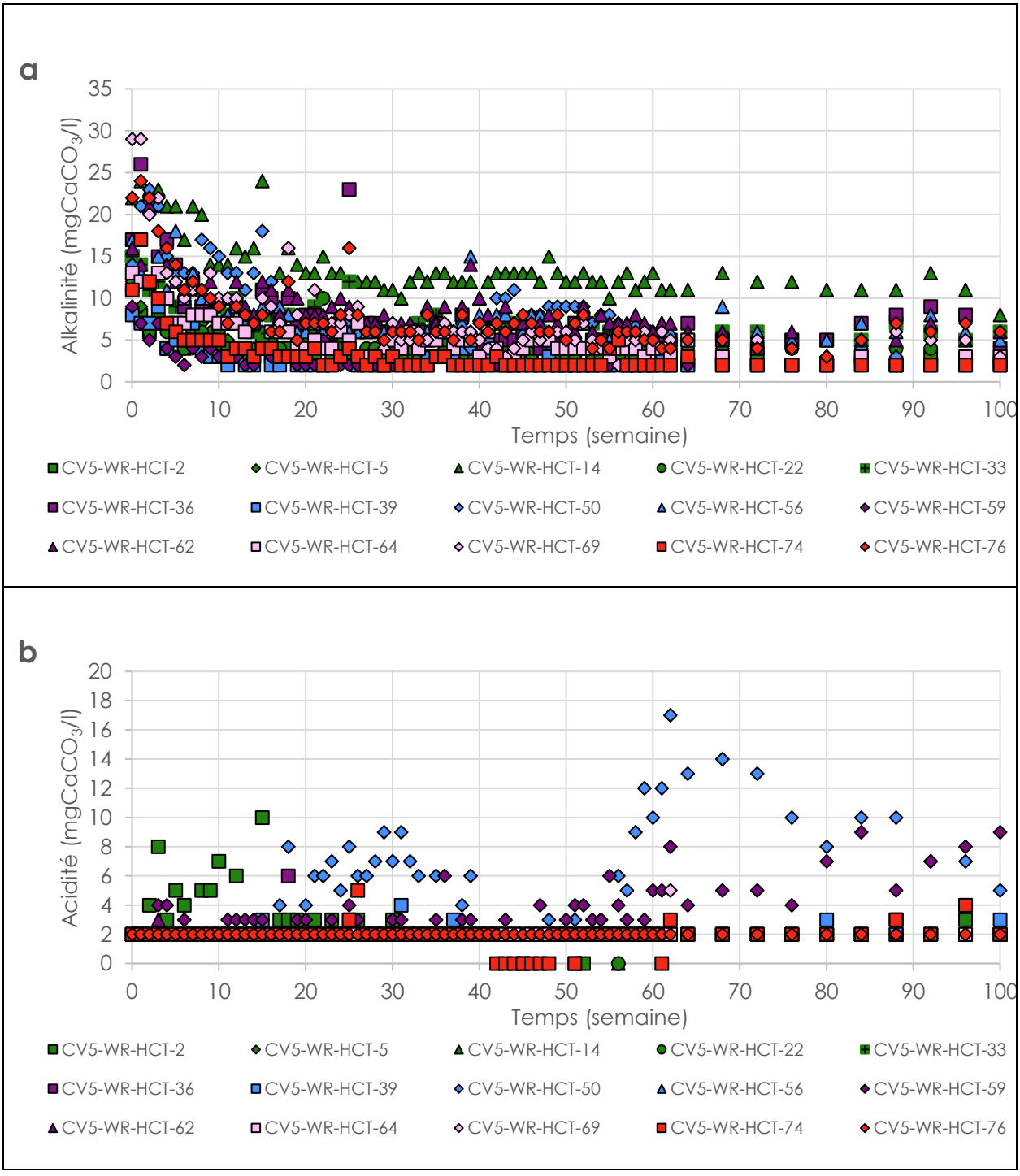


Figure 11. Tendances en matière d'alcalinité et d'acidité dans les essais en cellules humides

Les graphiques présentés dans la **Figure 12** illustrent le suivi des concentrations des produits de neutralisation et d'oxydation tout au long de l'expérience, à savoir le calcium (a) et le magnésium (b) d'une part, et le sulfate (c) d'autre part. Les tendances

de ces éléments étaient assez similaires d'un essai à l'autre et suivaient généralement une courbe descendante lente et régulière après un léger pic observé lors des premiers rinçages. Il convient de souligner que les résidus de DMS présentent des concentrations plus faibles pour tous ces éléments, ce qui suggère que les phénomènes d'oxydation et de neutralisation se produisent à un rythme plus lent dans ces matériaux.

a. Les concentrations en calcium présentent une variabilité initiale entre les HCT, avec des valeurs allant de 0,72 mg/L (CV5-WR-HCT-74) à 15,9 mg/L (CV5-WR-HCT-50). Au fil du temps, on observe une baisse générale, en particulier au cours des 20 premières semaines, car le calcium est libéré par la dissolution du carbonate due au tamponnage acide, soit par l'oxydation des minéraux sulfurés, soit par l'acidité inhérente à l'eau déionisée utilisée dans les HCT. À la semaine 100, le CV5-WR-HCT-50 (Métasédiments) garde des niveaux de calcium plus importants (~7-8 mg/L), reflétant des taux de neutralisation plus élevés, tandis que le CV5-WR-HCT-74 et le CV5-WR-HCT-64 (Pegmatite spodumène et Pegmatite stérile, respectivement) présentent des tendances à la baisse continue avec des valeurs comprises entre 0,2 et 0,8 mg/L. Les autres HCT se stabilisent généralement entre 2 et 5 mg/L, reflétant une dissolution continue mais diminuée des carbonates.

b. Les concentrations en magnésium suivent les mêmes tendances générales que celles du calcium, avec des valeurs comprises entre 5,73 mg/L et 0,05 mg/L, et semblent plus importantes dans les échantillons ultramafiques et plus faibles dans les résidus DMS.

c. Les concentrations en sulfate présentent une variabilité notable, allant de 2 mg/L dans plusieurs HCT à 53 mg/L dans le CV5-WR-HCT-50 (Métasédiments). Une baisse rapide est observée au cours des 20 premières semaines, en particulier pour le CV5-WR-HCT-50, qui passe de 53 mg/L à environ 10-15 mg/L, tandis que les autres HCT se stabilisent à des niveaux plus bas, généralement entre 2 et 10 mg/L. À la semaine 100, le CV5-WR-HCT-50 présente toujours les niveaux de sulfate les plus élevés (~19-21 mg/L), reflétant l'oxydation continue des minéraux sulfurés, tandis que le CV5-WR-HCT-2 (amphibolite) et le CV5-WR-HCT-59 (ultramafique) se stabilisent respectivement autour de 10 à 15 mg/L et 3 à 6 mg/L. La plupart des autres HCT, y compris CV5-WR-HCT-14, CV5-WR-HCT-22, CV5-WR-HCT-33, CV5-WR-HCT-64, CV5-WR-HCT-69, CV5-WR-HCT-74 et CV5-WR-HCT-76, maintiennent des concentrations de sulfate faibles (2 à 4 mg/L), ce qui indique une oxydation sulfureuse limitée.

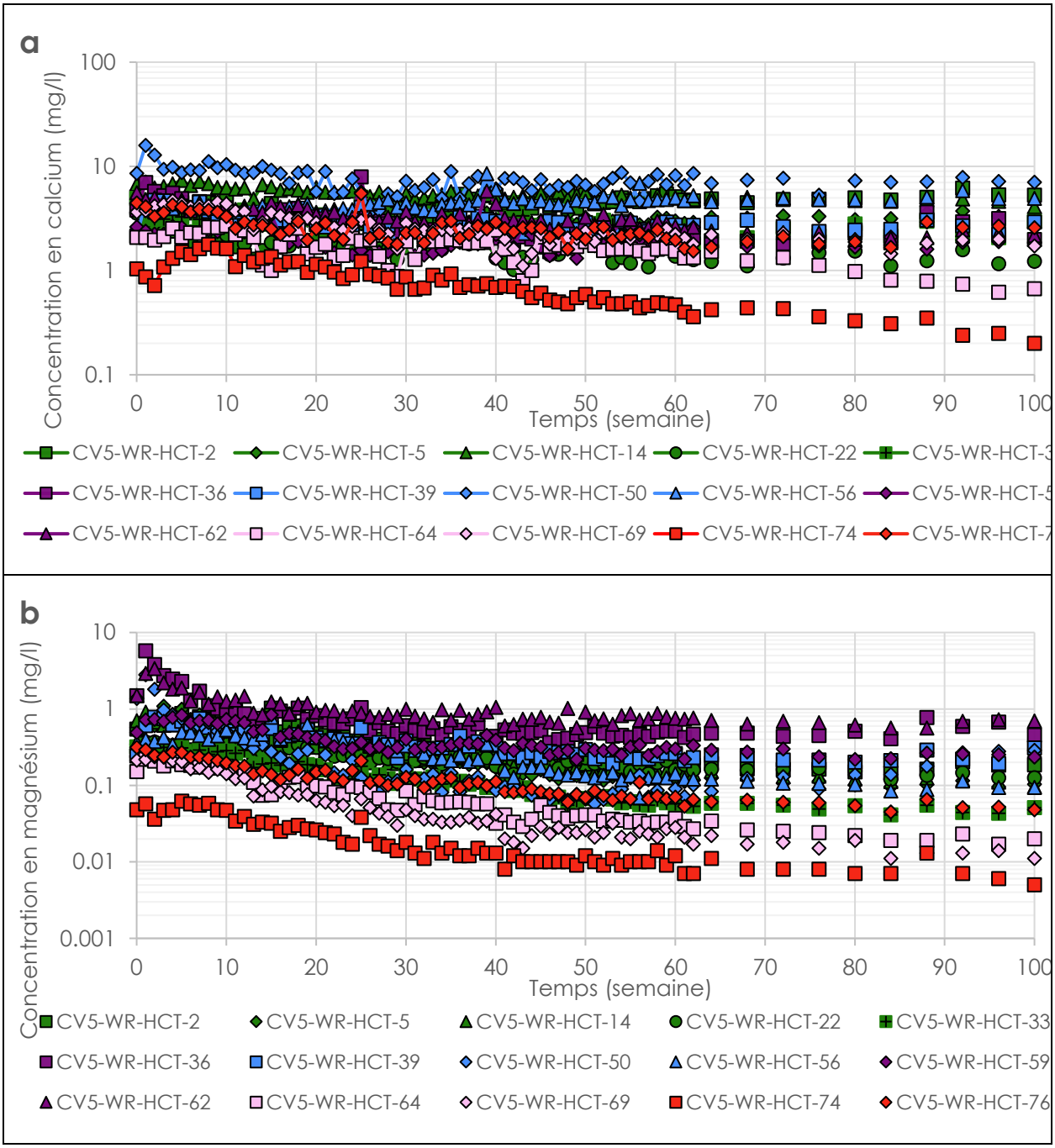


Figure 12. Tendances des produits d'oxydation et de neutralisation dans les essais en cellules humides (1 sur 2)

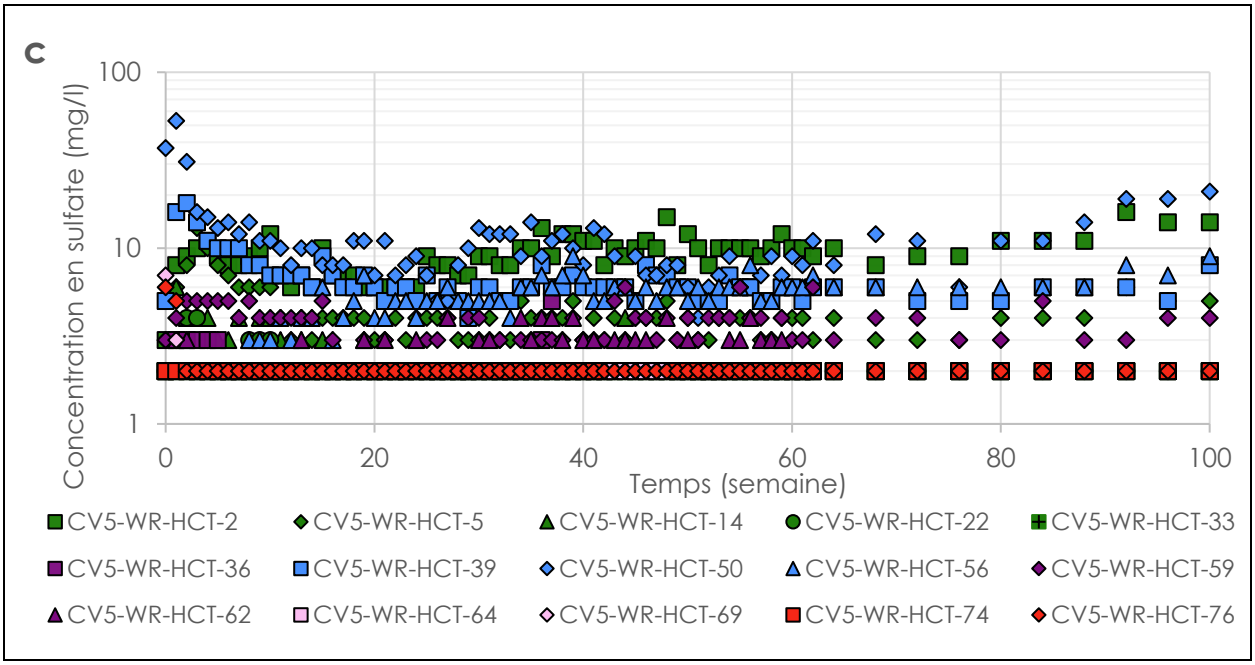


Figure 12. Tendances relatives aux produits d'oxydation et de neutralisation dans les essais en cellules humides (2 sur 2)

Les graphiques de la **Figure 13** présentent les résultats HCT du COPC qui ont été identifiés dans le cadre des essais de lixiviation.

a. Les concentrations d'aluminium commencent avec des valeurs initiales allant de 0,001 mg/L (CV5-WR-HCT-62) à 0,257 mg/L (CV5-WR-HCT-69), et diminuent rapidement au cours des 10 premières semaines dans tous les HCT. Au fil du temps, les concentrations se stabilisent à des niveaux faibles, généralement inférieurs à 0,05 mg/L pour la plupart des cellules. CV5-WR-HCT-14 (amphibolite) maintient des valeurs légèrement plus élevées (~0,08-0,1 mg/L), tandis que CV5-WR-HCT-36 (ultramafique) et CV5-WR-HCT-64 (pegmatite stérile) se stabilisent aux niveaux les plus bas, souvent inférieurs à 0,005 mg/L. CV5-WR-HCT-50 (métasédiments) et CV5-WR-HCT-69 (pegmatite stérile) présentent des fluctuations occasionnelles, mais restent inférieurs à 0,1 mg/L. La diminution de l'aluminium reflète une solubilité réduite à mesure que le pH se stabilise, limitant sa mobilité dans les cellules.

b. Les concentrations d'antimoine dans les échantillons de lixiviat variaient de 3,86 mg/L à la limite de détection (0,0009 mg/L). Les concentrations les plus élevées ont été observées dans les échantillons ultramafiques CV5-WR-HCT-36 (ultramafique) et CV5-WR-HCT-62 (ultramafique), avec des pics de 3,53 mg/L et 3,86 mg/L, respectivement, au cours des premières semaines. Les deux échantillons ultramafiques ont présenté des concentrations élevées constantes, CV5-WR-HCT-36 (ultramafique) dépassant 1,1 mg/L dans 47 occurrences et CV5-WR-HCT-62 (ultramafique) dans 52 occurrences au cours de la période de 100 semaines. Après les premiers rinçages, une tendance générale à la baisse a été observée pour ces échantillons, bien que les concentrations soient restées élevées pendant une période prolongée. L'échantillon de métasédiments CV5-WR-HCT-56 (métasédiments) a continué à présenter des concentrations égales ou proches de la limite de détection tout au long de l'essai. D'autres échantillons, tels que CV5-WR-HCT-5 (amphibolite) et CV5-WR-HCT-50 (métasédiments), ont présenté des concentrations élevées au début, mais celles-ci ont généralement diminué avec le temps, avec seulement quelques dépassements occasionnels de la limite de détection au cours des dernières semaines.

c. Les concentrations d'arsenic variaient entre 19,6 et 0,0024 mg/L dans tous les échantillons et toutes les chasses d'eau, affichant une tendance générale à la baisse depuis le début de l'essai. Dans les échantillons ultramafiques (CV5WR-HCT-36, CV5WR-HCT-59 et CV5WR-HCT-62), les concentrations étaient particulièrement élevées, atteignant 19,6 mg/L dans CV5WR-HCT-36 et 8,4 mg/L dans CV5WR-HCT-62 lors des premières chasses d'eau. Ces valeurs ont diminué de manière significative au cours des 20 premiers rinçages avant de se stabiliser progressivement entre 0,5 et 1,2 mg/L après la semaine 60. Les échantillons d'amphibolite présentaient des concentrations en arsenic beaucoup plus faibles que les stériles ultramafiques, avec une variabilité plus importante au début de l'essai, mais se stabilisant après la semaine 40 dans une fourchette d'environ 0,001 à 0,1 mg/L (par exemple, CV5WR-HCT-2). Les échantillons de stériles de pegmatite (CV5WR-HCT-64 et CV5WR-HCT-69) et l'échantillon de minerai de spodumène de pegmatite (CV5WRHCT-74) ont également présenté des concentrations élevées lors des premiers lavages (0,2 à 0,5 mg/L), qui ont rapidement diminué au cours des semaines

suivantes, pour atteindre de manière constante moins de 0,01 mg/L après la semaine 30 et rester stables par la suite.

d. Les concentrations de béryllium restent constamment faibles dans tous les HCT, avec des valeurs initiales généralement égales ou proches de la limite de détection de 0,000007 mg/L. CV5-WR-HCT-69 (pegmatite stérile) commence avec les concentrations les plus élevées, atteignant un pic de 0,000437 mg/L à la semaine 0, mais diminue rapidement pour se stabiliser en dessous de 0,0001 mg/L à la semaine 20. CV5-WR-HCT-64 (Pegmatite stérile) et CV5-WR-HCT-50 (Métasédiments) présentent des fluctuations mineures occasionnelles, CV5-WR-HCT-64 atteignant un maximum de 0,000365 mg/L à la semaine 68 et CV5-WR-HCT-50 atteignant un pic de 0,00012 mg/L à la semaine 100. Tous les autres HCT maintiennent des concentrations proches ou inférieures à la limite de détection (0,000007 mg/l) tout au long de la période de surveillance, ce qui indique une mobilité minimale du béryllium à partir de ces matériaux.

e. Les concentrations de cadmium restent faibles dans toutes les cellules HCT, avec des valeurs initiales généralement égales ou proches de la limite de détection de 0,000003 mg/L. La cellule CV5-WR-HCT-50 (métasédiments) présente des concentrations légèrement plus élevées que les autres cellules, avec un pic à 0,000132 mg/l à la semaine 100, tandis que les cellules CV5-WR-HCT-39 (Métasédiments) et CV5-WR-HCT-69 (Pegmatite stérile) présentent des fluctuations mineures occasionnelles, mais restent inférieures à 0,00006 mg/l. Tous les autres HCT maintiennent des concentrations proches ou inférieures à la limite de détection tout au long de la période de surveillance, ce qui indique une libération ou une mobilité minimale du cadmium dans ces cellules.

f. Les concentrations de cuivre sont restées très faibles tout au long des essais, fluctuant généralement près de la limite de détection analytique. Les valeurs ont montré une variabilité mineure sans tendance à la hausse soutenue. Il convient de noter que la limite de détection est passée de 0,0002 mg/L (jusqu'à la semaine 38) à 0,001 mg/L par la suite, ce qui explique en partie la stabilisation apparente des résultats dans les dernières phases.

g. Les concentrations en fer étaient initialement proches de la limite de détection (0,007 mg/L) dans la plupart des HCT, avec plusieurs augmentations transitoires observées entre les semaines 10 et 30, atteignant jusqu'à 0,15 mg/L. Après la semaine 40, les concentrations se sont généralement stabilisées près de la limite de détection, bien que l'échantillon de stériles métasédimentaires CV5-WR-HCT-50 ait montré une augmentation soutenue, dépassant 0,7 mg/L à la semaine 100, tandis que l'échantillon de stériles ultramafiques CV5-WR-HCT-59 a maintenu des pics récurrents modérés allant jusqu'à 0,03 mg/L. Dans l'ensemble, le comportement du fer a été caractérisé par des événements de mobilisation de courte durée suivis d'une stabilisation, seuls quelques cas isolés présentant des élévations persistantes.

h. Les concentrations de lithium dans les échantillons de lixiviat variaient entre 0,918 mg/L et la limite de détection (0,0002 mg/L), et toutes les lithologies ont suivi une tendance à la baisse au cours de la période de 100 semaines. Les échantillons de pegmatite spodumène (CV5-WR-HCT-74, CV5-WR-HCT-76), ainsi que l'échantillon de métasédiment CV5-WR-HCT-50, ont présenté les concentrations les plus élevées, en particulier au cours des premières semaines. Les échantillons de stériles de pegmatite (CV5-WR-HCT-64, CV5-WR-HCT-69) ont également présenté des concentrations élevées au début de l'essai, mais ont semblé diminuer plus rapidement que les autres lithologies. Les échantillons ultramafiques (CV5-WR-HCT-36, CV5-WR-HCT-62) sont restés parmi les plus faibles tout au long de l'essai.

i. Les concentrations en nickel étaient généralement faibles dans la plupart des HCT, avec des valeurs proches de la limite de détection (0,0001 mg/l) dans les échantillons d'amphibolite, de pegmatite stérile et de pegmatite spodumène. En revanche, les échantillons de stériles ultramafiques CV5-WR-HCT-36 et CV5-WR-HCT-62 ont présenté des concentrations élevées au début des essais, suivies d'une diminution progressive et d'une relative stabilisation, ce qui suggère un lavage initial des phases nickelifères facilement solubles. Les échantillons ultramafiques CV5-WR-HCT-59 et métasédimentaires CV5-WR-HCT-50 ont affiché une tendance différente, avec des concentrations augmentant régulièrement pour atteindre des valeurs proches de 0,1 mg/L à la semaine 100.

j. Les concentrations d'uranium variaient entre 0,000002 mg/L et 0,101 mg/L au cours de la période d'essai de 100 semaines. La plupart des échantillons, y compris les lithologies amphibolite, ultramafique, métasédimentaire et pegmatite, présentaient des concentrations d'uranium généralement égales ou proches de la limite de détection, avec des pics occasionnels. Il convient de noter que les échantillons CV5-WR-HCT-69 (pegmatite stérile) et CV5-WR-HCT-74 (pegmatite spodumène) ont présenté des concentrations plus élevées, avec des pics respectifs de 0,101 mg/L et 0,0539 mg/L au cours des premières semaines. CV5-WR-HCT-50 (métasédiment) et CV5-DMS-HCT-83 (métasédiment) ont également affiché des concentrations élevées, avec des pics de 0,0558 mg/L et 0,0166 mg/L, respectivement. Malgré ces augmentations occasionnelles, la lixiviation de l'uranium est restée relativement faible dans tous les échantillons, les concentrations revenant généralement à des niveaux proches de ceux du fond après les premières semaines.

k. Les concentrations de zinc sont restées très faibles dans presque tous les HCT, fluctuant généralement à la limite de détection (0,002 mg/L) ou juste au-dessus pendant toute la durée de l'essai. Ces variations reflètent probablement le bruit associé aux mesures proches de la limite de détection. L'échantillon de stériles Métasédiment CV5-WR-HCT-50 a été le seul à présenter une augmentation claire et soutenue, avec des concentrations augmentant régulièrement après la semaine 60 et dépassant 0,3 mg/L à la semaine 100.

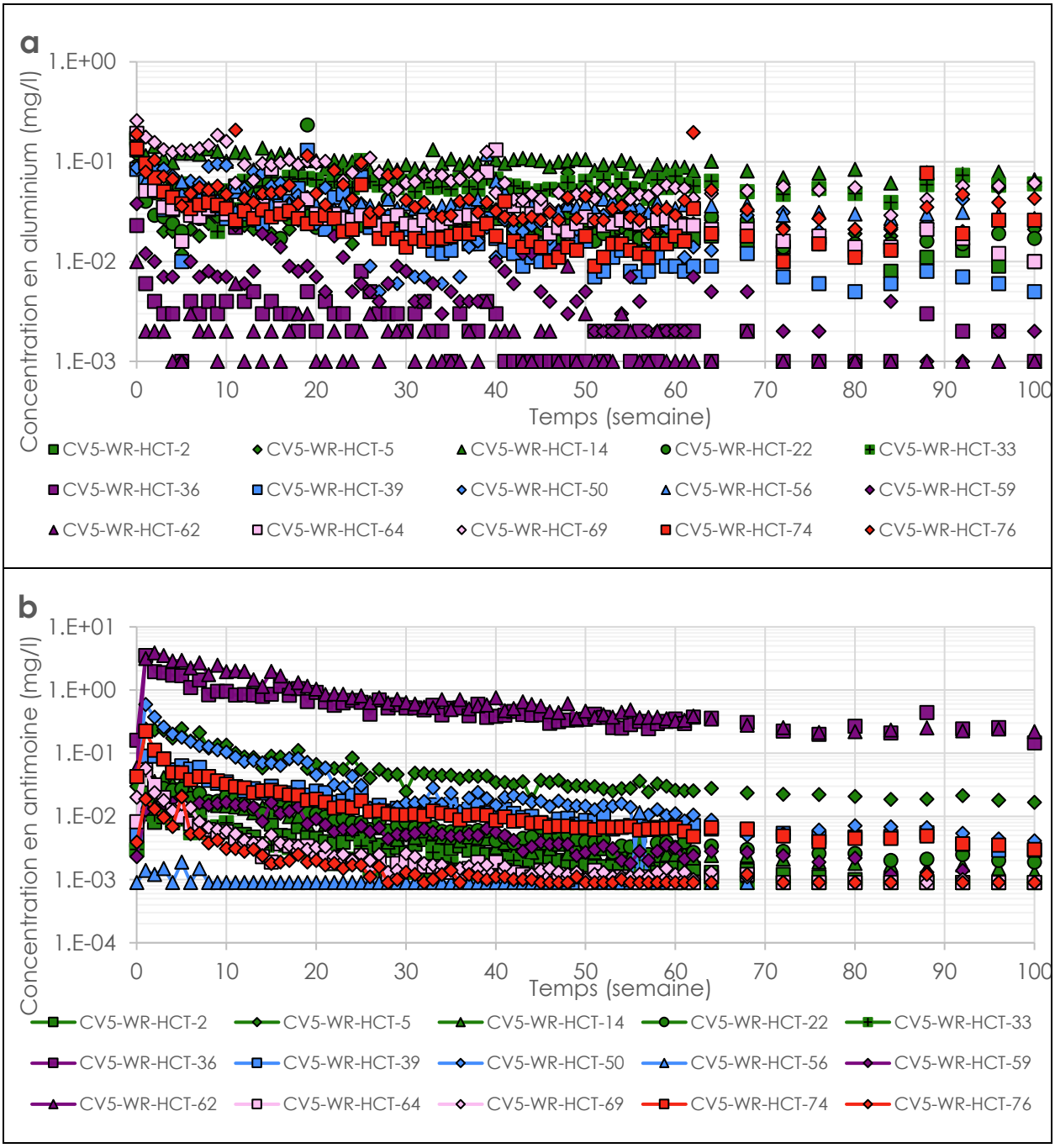


Figure 13. Tendances de concentration en COPC dans les essais en cellules humides (1 sur 6)

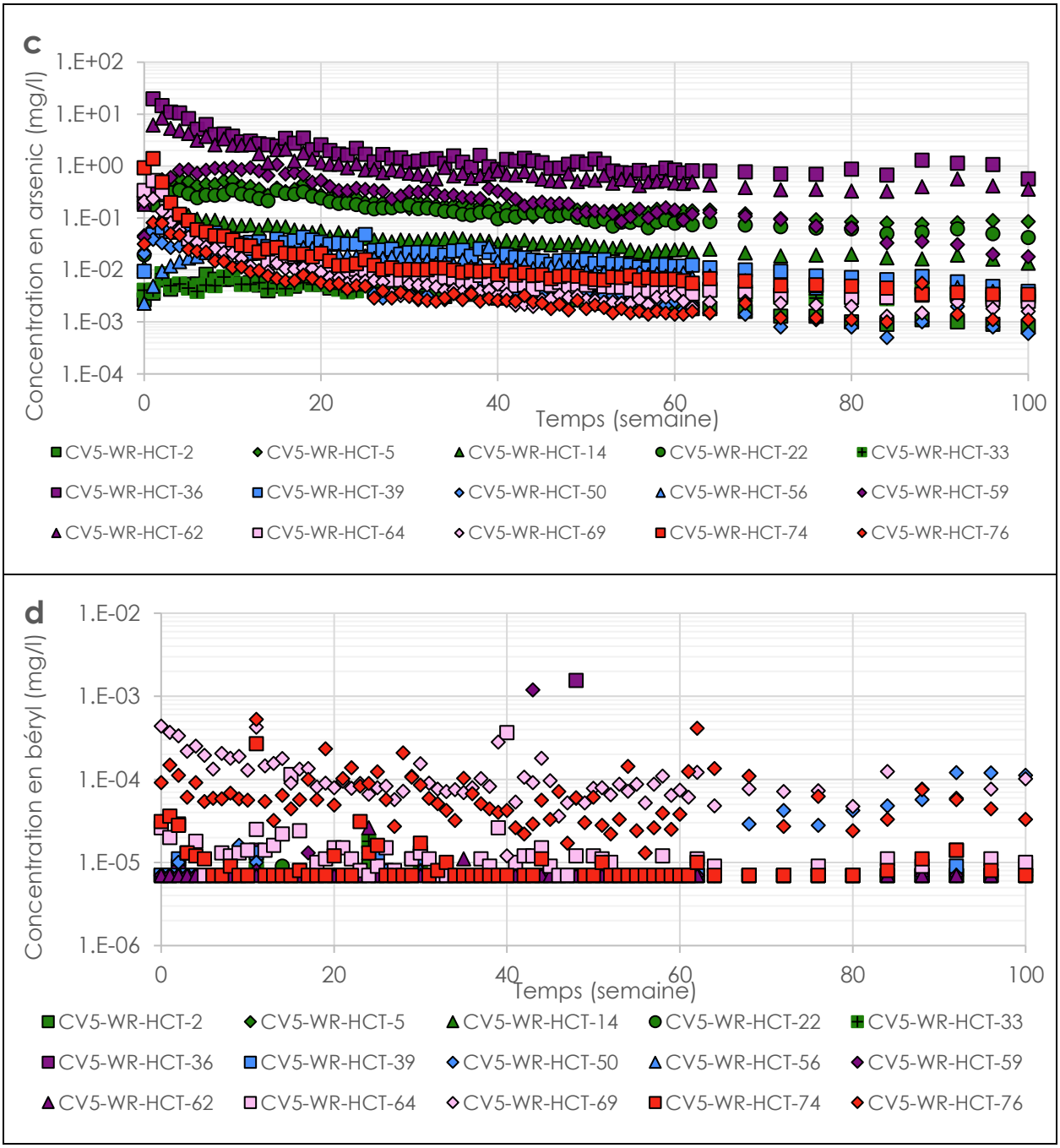


Figure 13. Tendances de concentration en COPC dans les essais en cellules humides (2 sur 6)

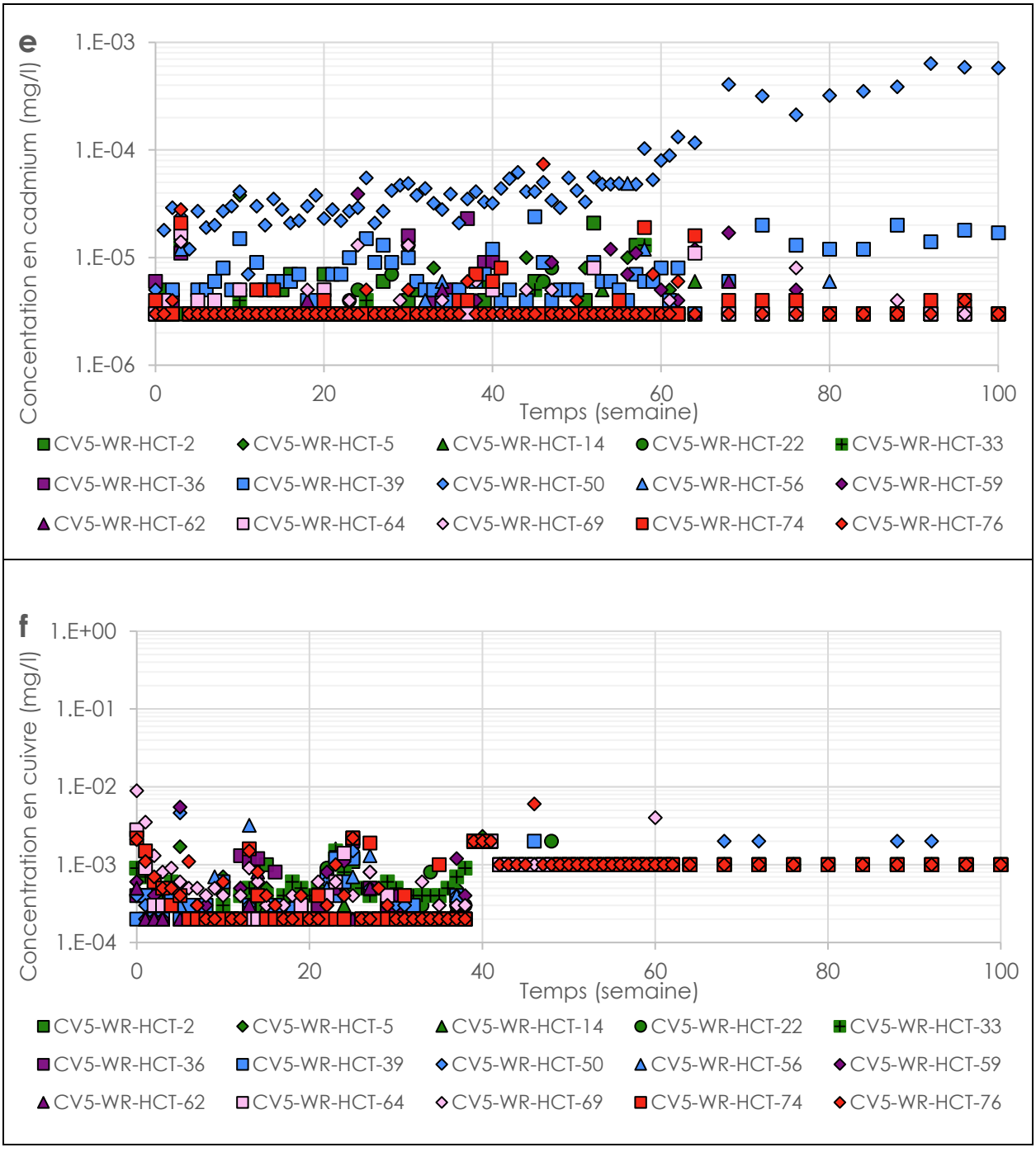


Figure 13. Tendances de concentration en COPC dans les essais en cellules humides (3 sur 6)

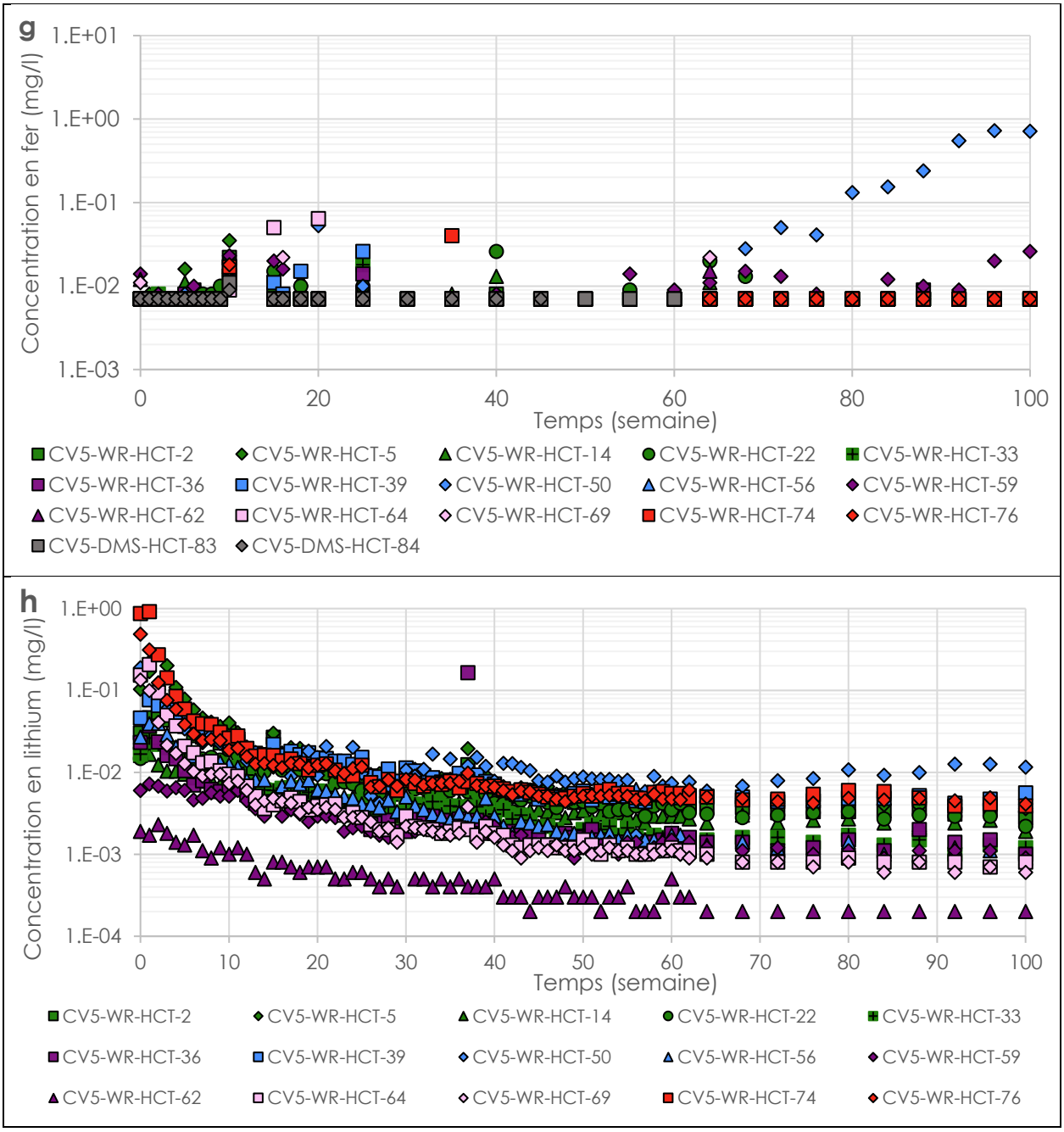


Figure 13. Tendances de concentration en COPC dans les essais en cellules humides (4 sur 6)

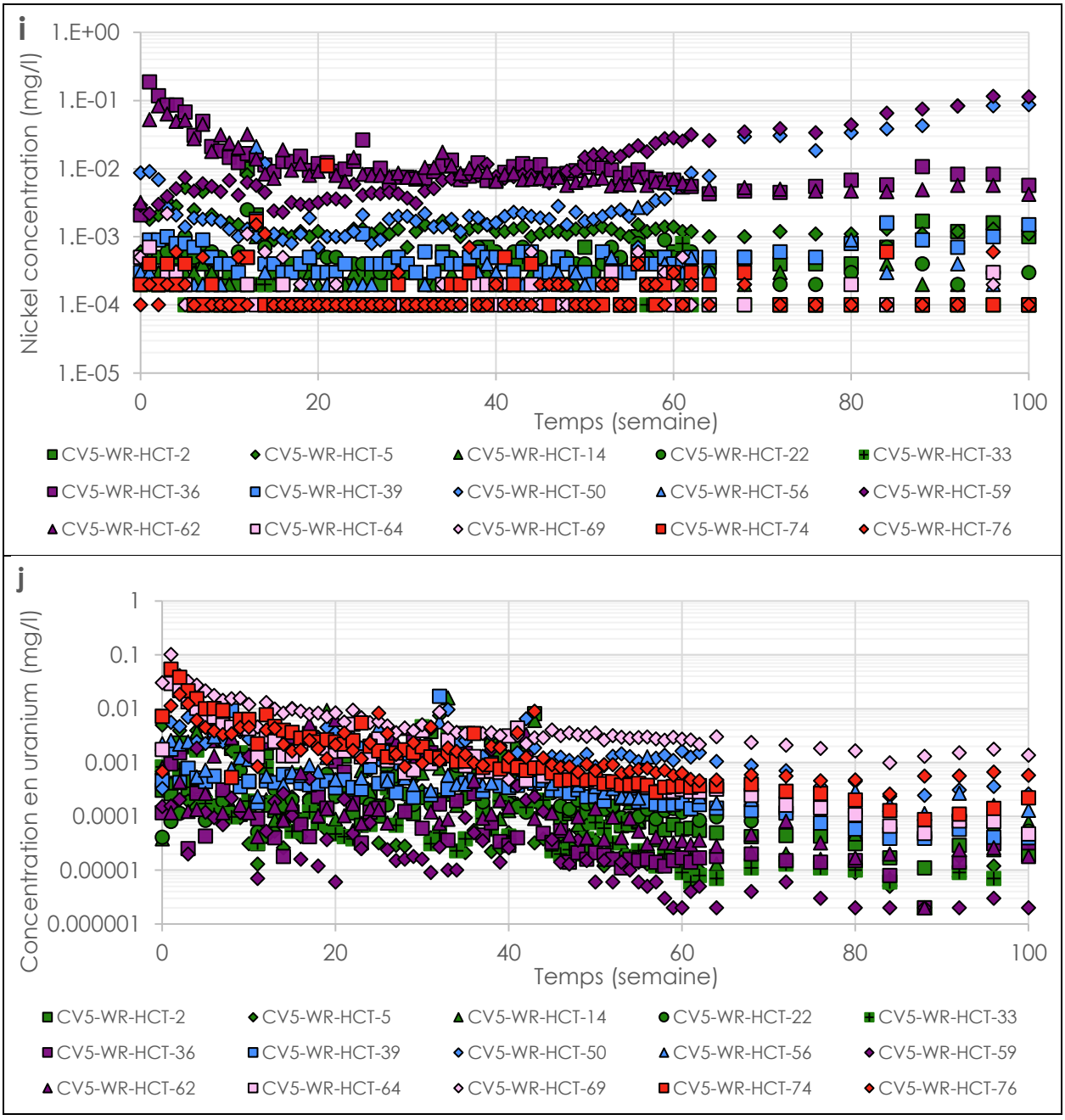


Figure 13. Tendances de concentration en COPC dans les essais en cellules humides (5 sur 6)

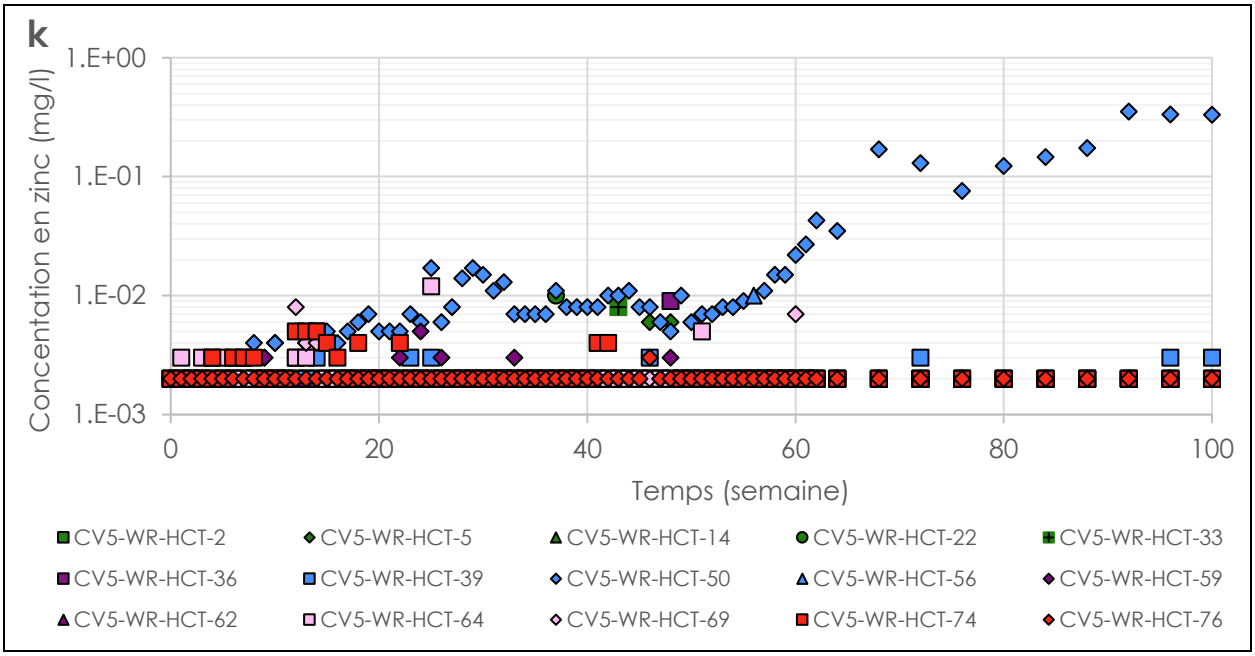


Figure 13. Tendances de concentration du COPC dans les essais en cellules humides (6 sur 6)

3.3.2 Essai sur colonne

Figure 14 affiche la variation cinétique des paramètres physicochimiques des essais sur colonne, à savoir le pH (a) et la conductivité électrique (b).

a. Les valeurs de pH pour tous les essais en colonne — Flottants (CV5-CL-1), Middlings (CV5-CL-2), Magnétiques (CV5-CL-3), Bypass (CV5-CL-4) et Composite maître (CV5-CL-5) — sont restées neutres à légèrement alcalines pendant la période de 20 semaines. Les valeurs initiales variaient entre 7,27 et 9,34, avec une tendance générale à la baisse dans toutes les colonnes. Les flottants et les middlings ont commencé avec les niveaux de pH les plus élevés (9,34 et 9,2) et ont progressivement diminué pour atteindre environ 7,5-8,0. Les résidus magnétiques ont commencé avec le pH initial le plus bas (7,27) et ont continué à baisser jusqu'à 6,93, tandis que les résidus de dérivation et les résidus composites ont affiché des baisses modérées, terminant respectivement à près de 7,5 et 7. Dans l'ensemble, les résultats reflètent une évolution progressive vers la neutralité pour tous les types de résidus.

b. Les valeurs de conductivité électrique dans les essais en colonne ont diminué de manière significative au cours de la période de 20 semaines pour tous les types de résidus. Les flottants (CV5-CL-1) ont commencé à 508 µS/cm et ont diminué à 30 µS/cm, tandis que les middlings (CV5-CL-2) ont chuté de 173 µS/cm à 34 µS/cm. Les résidus magnétiques (CV5-CL-3) ont affiché une réduction progressive de 223 µS/cm à 39 µS/cm. Les résidus de dérivation (CV5-CL-4) ont commencé avec la conductivité initiale la plus élevée, à 3490 µS/cm, mais ont connu une baisse substantielle, pour finir à 82 µS/cm. Le Master Composite (CV5-CL-5) a suivi une tendance à la baisse similaire, passant de 401 µS/cm à 46 µS/cm. Dans l'ensemble, les résultats indiquent une réduction constante de la conductivité dans toutes les colonnes, reflétant une diminution des taux de lixiviation au fil du temps, le Bypass présentant les valeurs initiales les plus significatives et la baisse la plus importante par la suite.

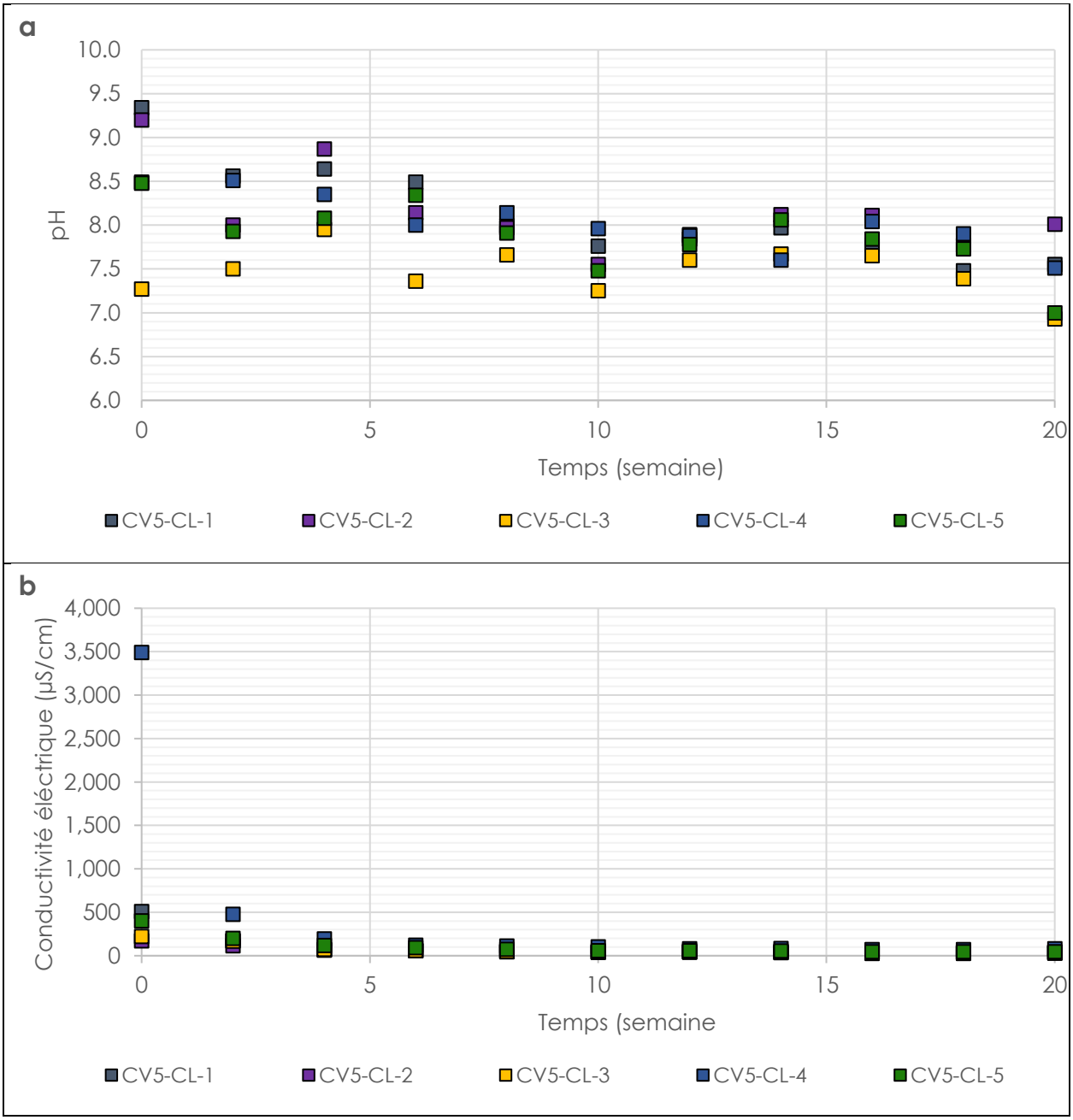


Figure 14. Évolution de la conductivité et du pH dans les essais en colonne

Les graphiques affichés dans **Figure 15** présenter les mesures d'alcalinité (a) et d'acidité (b) surveillées tout au long des 20 semaines d'essais sur colonne.

a. Les valeurs d'alcalinité dans les essais en colonne ont montré une tendance générale à la baisse sur la période de 20 semaines pour tous les types de résidus. Les flottants (CV5-CL-1) ont commencé à 75 mgCaCO3/ l et ont progressivement diminué pour atteindre 14 mgCaCO3/l, tandis que les middlings (CV5-CL-2) ont diminué de 59 mg/L à 20 mgCaCO3/l, avec quelques fluctuations au cours des dernières semaines. Le groupe Magnetics (CV5-CL-3) a présenté une alcalinité relativement faible et stable, comprise entre 11 mg/L et 26 mgCaCO3/l, pour finir à 13 mgCaCO3/l. Le Bypass (CV5-CL-4) présentait l'alcalinité initiale la plus élevée, à 448 mg/L, qui a considérablement diminué pour atteindre 37 mgCaCO3/l à la semaine 20. Le composite maître (CV5-CL-5) a suivi une tendance à la baisse similaire, passant de 53 mgCaCO3/l à 23 mgCaCO3/l. Dans l'ensemble, l'alcalinité a diminué dans toutes les colonnes, le by-pass présentant les valeurs initiales les plus prononcées et la réduction la plus importante.

b. Les valeurs d'acidité pour tous les types de résidus sont restées égales ou inférieures à la limite de détection de 2 mg$CaCO_3$/l tout au long de la période d'essai de 20 semaines, ce qui indique qu'aucune génération d'acide significative ne s'est produite dans aucune des colonnes. Cette cohérence confirme l'absence de potentiel de génération d'acide de ce matériau pendant cette période.

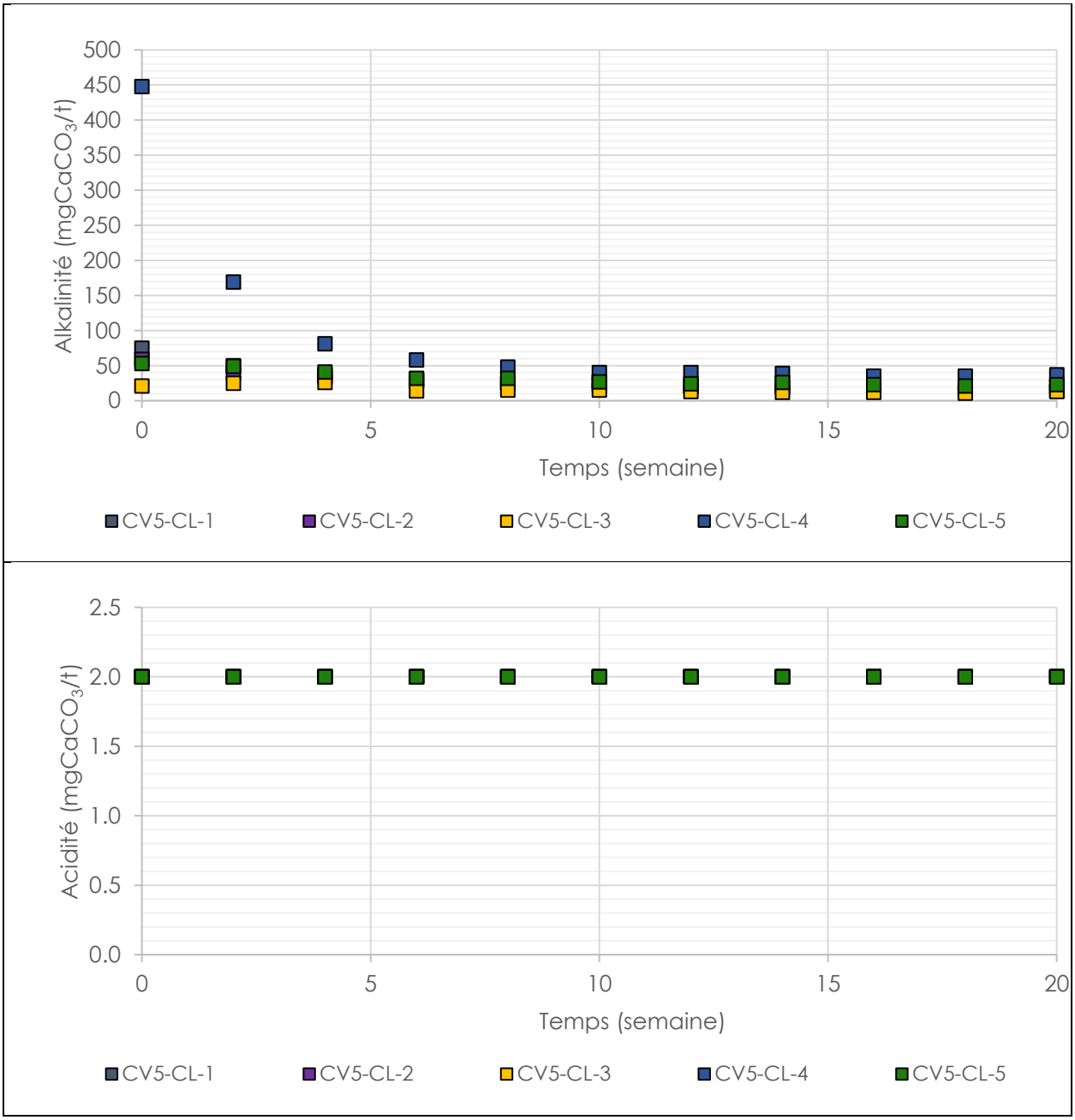


Figure 15. Évolution de l'alcalinité et de l'acidité dans les essais en colonne

Les graphiques de la **Figure 16** présentent les résultats des essais sur colonne des COPC identifiés dans le cadre des essais de lixiviation. Ceux-ci comprennent : l'aluminium (a), l'antimoine (b), l'arsenic (c), le cuivre (d), le lithium l et l'uranium (f).

a. Les concentrations d'aluminium dans les essais en colonne ont varié selon les types de résidus au cours de la période de 20 semaines. Les flottants (CV5-CL-1) ont montré une diminution progressive de 0,237 mg/l à 0,198 mg/l, maintenant des concentrations relativement stables après la baisse initiale. Les middlings (CV5-CL-2) ont commencé à 0,3 mg/l et ont diminué jusqu'à 0,168 mg/l, reflétant une réduction constante au fil du temps. Les résidus magnétiques (CV5-CL-3) ont constamment présenté les concentrations d'aluminium les plus faibles, commençant à 0,075 mg/l et se stabilisant autour de 0,04 mg/l. Les résidus de dérivation (CV5-CL-4) présentaient initialement de faibles concentrations à 0,024 mg/l, mais ont augmenté pour atteindre environ 0,142 mg/l, indiquant une légère tendance à la hausse. Le Master Composite (CV5-CL-5) a affiché une baisse de 0,206 mg/l à 0,114 mg/l, avec des fluctuations mineures. Dans l'ensemble, les concentrations d'aluminium ont eu tendance à se stabiliser à des niveaux plus bas à la fin de la période d'essai, Magnetics affichant systématiquement les valeurs les plus faibles.

b. Les concentrations d'antimoine dans les essais en colonne ont affiché des tendances variables selon les types de résidus au cours de la période de 20 semaines. Les flottants (CV5-CL-1) ont commencé à 0,0507 mg/l, ont atteint un pic de 0,302 mg/l à la deuxième semaine, puis ont diminué régulièrement pour atteindre 0,0607 mg/l. Les middlings (CV5-CL-2) ont suivi une tendance similaire, commençant à 0,0745 mg/l, atteignant un pic de 0,35 mg/l à la deuxième semaine, puis diminuant progressivement jusqu'à 0,12 mg/l. Les particules magnétiques (CV5-CL-3) ont affiché une augmentation constante, passant de 0,0845 mg/l à un pic de 0,778 mg/l à la semaine 6, suivi d'une légère baisse à 0,607 mg/l. Le Bypass (CV5-CL-4) a présenté la concentration initiale la plus élevée, à 1,68 mg/l, avec un pic à 5,47 mg/l à la deuxième semaine, avant de diminuer progressivement jusqu'à 0,247 mg/l. Le composite principal (CV5-CL-5) a commencé à 0,12 mg/l, a atteint un pic de 0,999 mg/l à la deuxième semaine, puis a diminué pour atteindre 0,226 mg/l. Dans l'ensemble, les niveaux d'antimoine ont généralement atteint leur pic au début de la période d'essai, puis ont diminué, Magnetics maintenant des concentrations relativement stables et Bypass affichant le pic initial le plus important.

c. Les concentrations d'arsenic dans les essais en colonne ont montré des tendances distinctes selon les types de résidus au cours de la période de 20 semaines. Pour les résidus flottants (CV5-CL-1), les niveaux d'arsenic ont commencé à 0,496 mg/l et ont diminué régulièrement jusqu'à 0,0864 mg/l, montrant une réduction constante au fil du temps. Les middlings (CV5-CL-2) ont commencé à 0,404 mg/l, ont atteint un pic de 1,51 mg/l à la deuxième semaine, puis ont progressivement diminué pour atteindre 0,458 mg/l. Les résidus magnétiques (CV5-CL-3) ont affiché les concentrations initiales les plus élevées, commençant à 0,561 mg/l et atteignant un pic de 5,08 mg/l à la quatrième semaine, avant de diminuer progressivement jusqu'à 2,6 mg/l. Le Bypass (CV5-CL-4) présentait les niveaux d'arsenic les plus élevés, commençant à 4,47 mg/l, atteignant un pic de 17,6 mg/l à la deuxième semaine, puis diminuant jusqu'à 1,67 mg/l à la vingtième

semaine. Le composite principal (CV5-CL-5) a présenté une tendance similaire, commençant à 0,548 mg/l, atteignant un pic de 4,47 mg/l à la deuxième semaine, puis diminuant jusqu'à 1,24 mg/l. Dans l'ensemble, les concentrations d'arsenic ont eu tendance à diminuer après les pics initiaux, le Bypass et les résidus magnétiques présentant les niveaux les plus élevés tout au long de la période d'essai.

d. Les concentrations de cuivre dans les essais en colonne sont restées faibles pour tous les types de résidus pendant toute la période de 20 semaines. Les résidus flottants (CV5-CL-1) ont commencé à 0,004 mg/l et ont rapidement chuté à 0,001 mg/l dès la deuxième semaine, maintenant ce niveau jusqu'à la fin de la période d'essai. Les middlings (CV5-CL-2), les magnétiques (CV5-CL-3) et le composite maître (CV5-CL-5) ont tous présenté des concentrations de cuivre stables, égales ou proches de la limite de détection de 0,001 mg/l pendant toute la durée de l'essai. Le Bypass (CV5-CL-4) a initialement présenté une concentration légèrement supérieure de 0,028 mg/l, mais celle-ci a rapidement diminué pour atteindre 0,001 mg/l à la quatrième semaine et est restée constante par la suite. Dans l'ensemble, la lixiviation du cuivre a été minime dans toutes les colonnes, les concentrations se stabilisant à 0,001 mg/l ou moins après les premières semaines.

e. Les concentrations de lithium dans les essais en colonne ont montré une baisse rapide et régulière pour tous les types de résidus miniers au cours de la période de 20 semaines. Les flottants (CV5-CL-1) ont commencé à 0,82 mg/l et ont fortement diminué pour atteindre 0,0174 mg/l à la semaine 20. Les middlings (CV5-CL-2) ont suivi une tendance similaire, commençant à 0,897 mg/l et diminuant jusqu'à 0,038 mg/l. Les résidus magnétiques (CV5-CL-3) ont affiché une tendance comparable, passant de 0,521 mg/l à 0,0335 mg/l. Les résidus de dérivation (CV5-CL-4) présentaient la concentration initiale la plus élevée, à 35,1 mg/l, qui a considérablement diminué pour atteindre 0,246 mg/l à la semaine 20. Le composite maître (CV5-CL-5) a également affiché une baisse constante, passant de 1,84 mg/l à 0,0887 mg/l. Dans l'ensemble, les concentrations de lithium dans toutes les colonnes ont suivi une tendance à la baisse parallèle, le Bypass présentant les concentrations initiales les plus élevées et la réduction la plus prononcée au fil du temps.

f. Les concentrations d'uranium dans les essais en colonne ont suivi des tendances à la baisse similaires pour tous les types de résidus au cours de la période de 20 semaines, mais à des niveaux d'amplitude différents. Les flottants (CV5-CL-1) ont commencé à 0,056 mg/l, ont atteint un pic de 1,27 mg/l à la deuxième semaine, puis ont progressivement diminué pour atteindre 0,131 mg/l. Les middlings (CV5-CL-2) ont commencé à 0,00115 mg/l, ont atteint un maximum de 0,383 mg/l à la quatrième semaine, puis ont diminué pour atteindre 0,136 mg/l. Les résidus magnétiques (CV5-CL-3) ont présenté des concentrations initiales plus faibles, commençant à 0,0165 mg/l, atteignant un pic de 0,109 mg/l à la deuxième semaine, puis diminuant jusqu'à 0,0286 mg/l. Le Bypass (CV5-CL-4) a présenté les concentrations les plus élevées, commençant à 0,0996 mg/l, atteignant un pic de 0,946 mg/l à la deuxième semaine, puis se stabilisant autour de 0,417 mg/l. Le composite principal (CV5-CL-5) a commencé à 0,00644 mg/l, a atteint un pic de 0,465 mg/l à la quatrième semaine, puis a diminué pour atteindre 0,259

mg/l. Dans l'ensemble, toutes les colonnes ont affiché des tendances parallèles à la baisse après les pics initiaux, le Bypass conservant les concentrations d'uranium les plus élevées tout au long de la période d'essai.

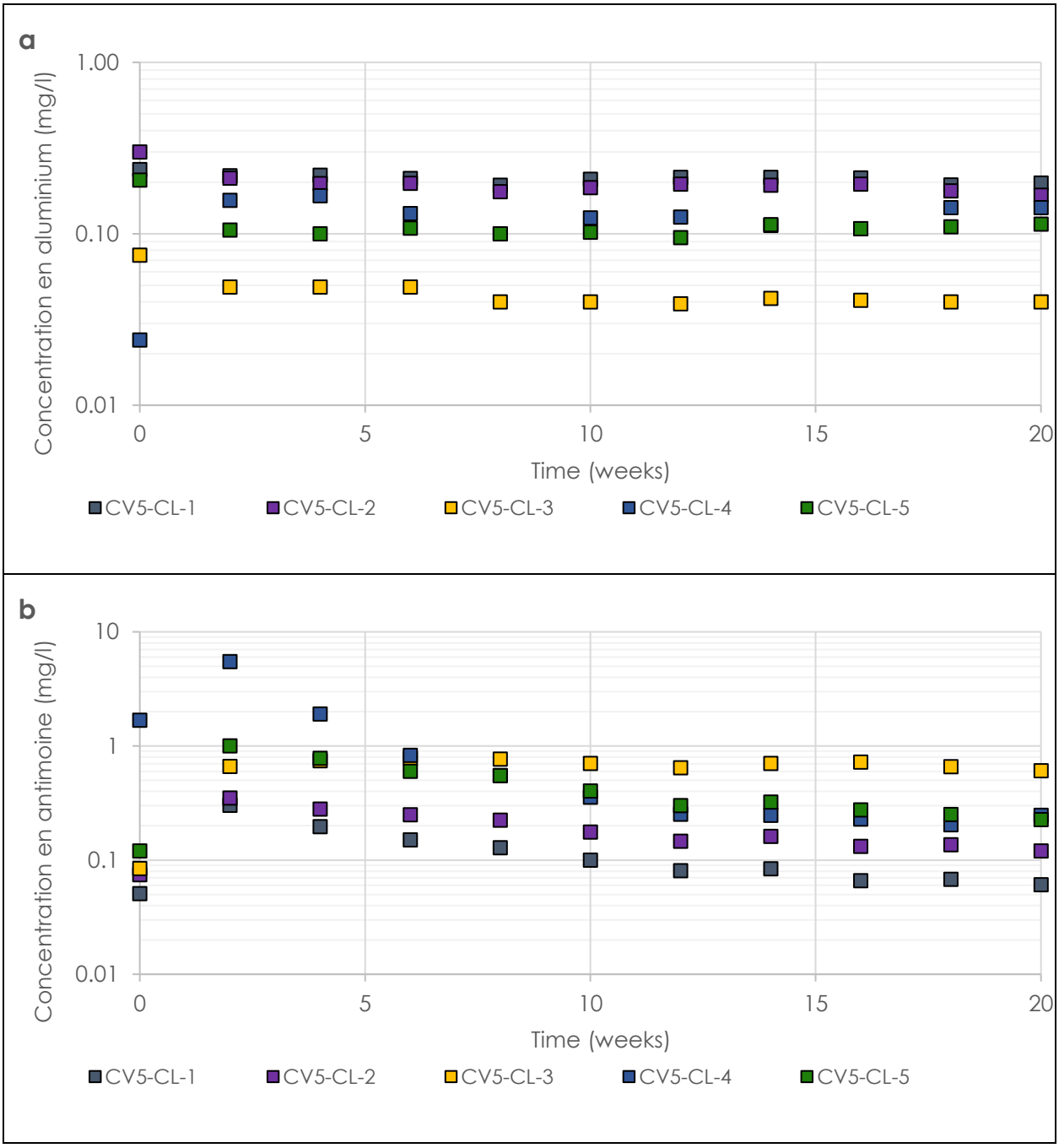


Figure 16. Représentation graphique de la concentration des COPC dans les essais en colonne (1 sur 3)

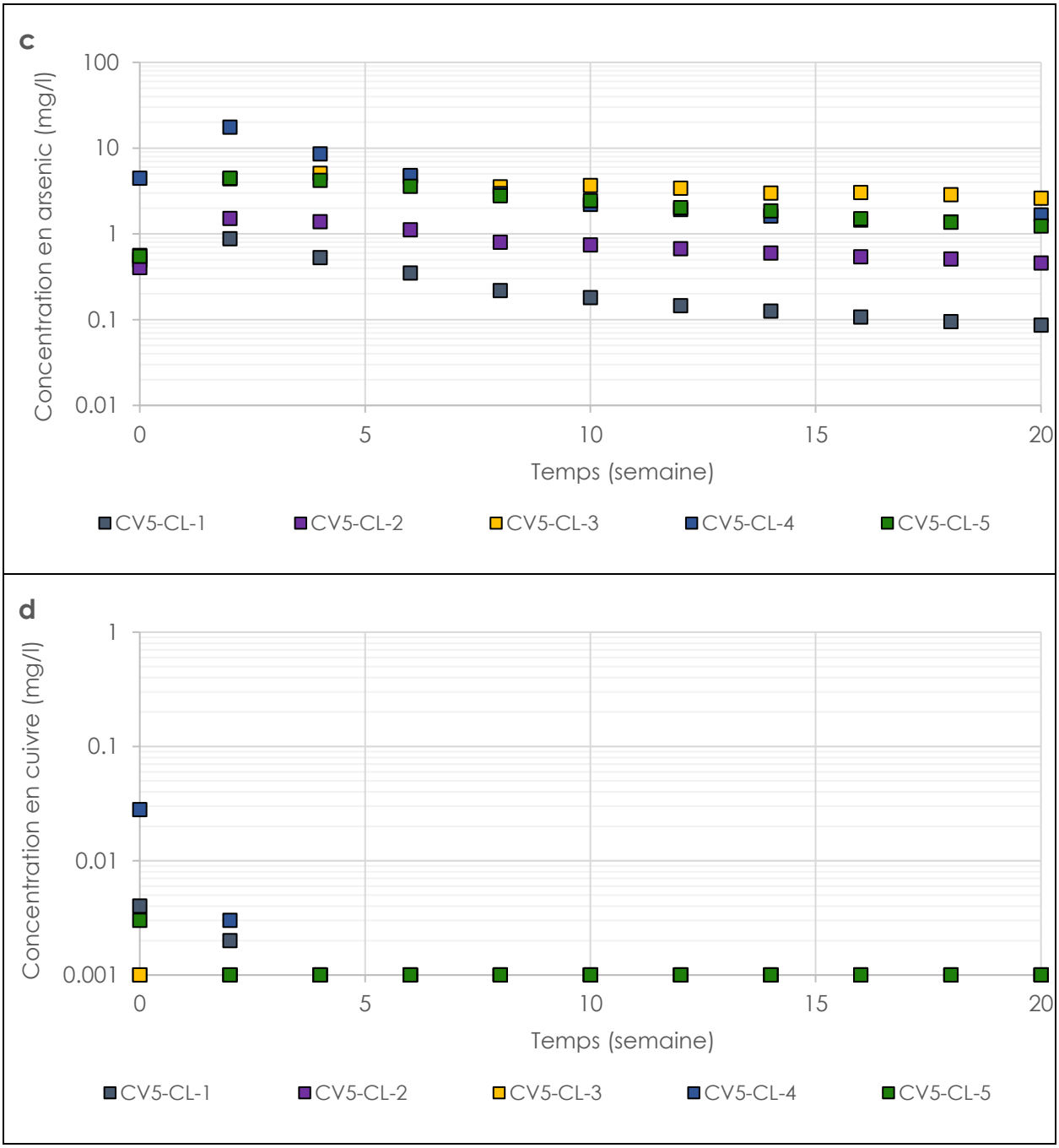


Figure 17. Représentation graphique de la concentration des COPC dans les essais en colonne (2 sur 3)

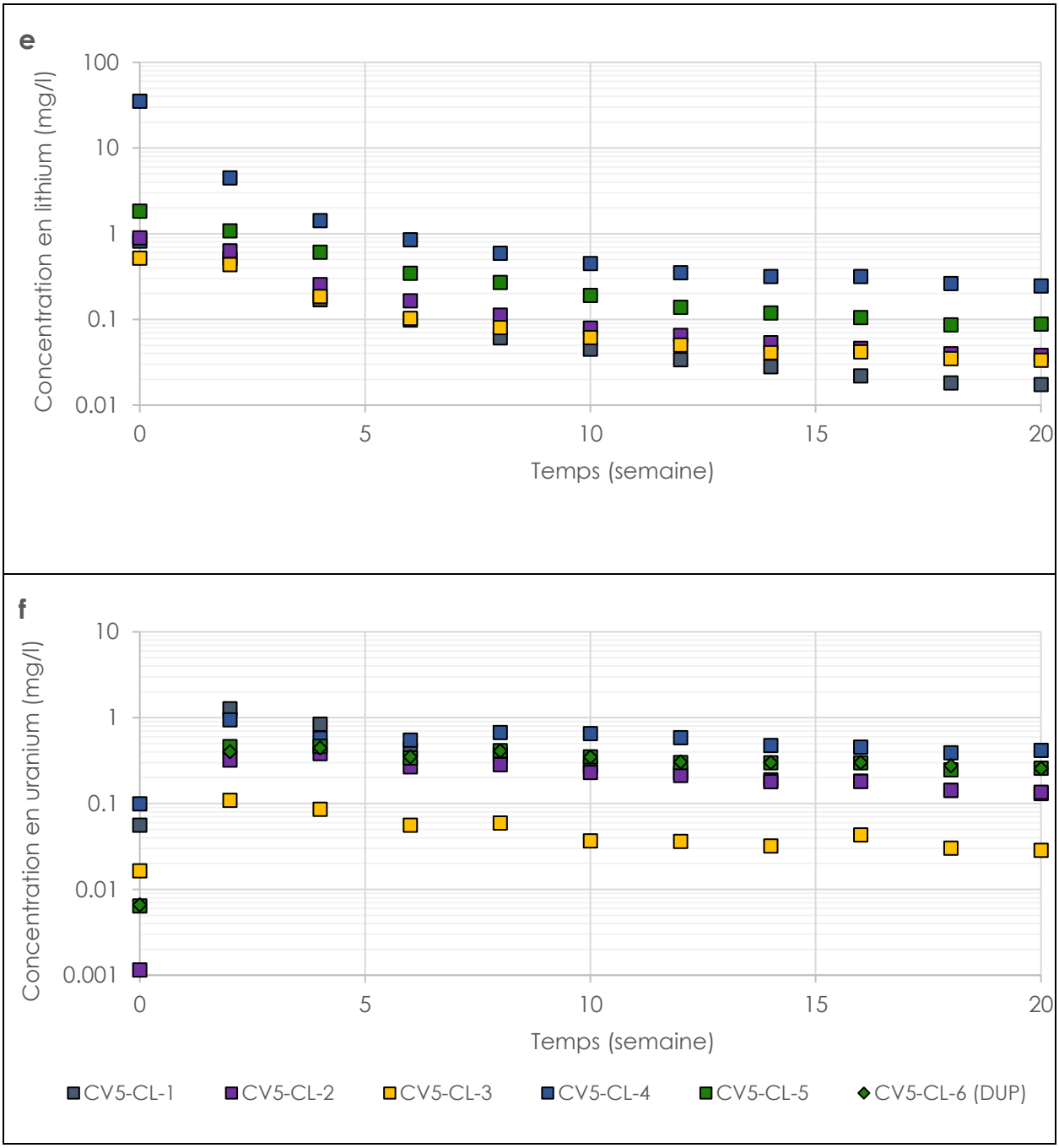


Figure 16. Représentation graphique de la concentration des COPC dans les essais en colonne (3 sur 3)

3.3.3 Résumé et interprétation

Des essais cinétiques en double ont été réalisés afin d'évaluer la reproductibilité et la fiabilité des essais HCT effectués sur des échantillons de stériles et de minerai (CV5-WR-HCT-5 (DUP)), ainsi que des essais en colonne effectués sur des résidus (CV5-CL-6). Dans les essais HCT en double, 69 % des paramètres testés ont présenté un écart relatif en pourcentage (RPD) inférieur à 20 % (indiquant une bonne reproductibilité), 27 % se situaient entre 20 % et 50 % (acceptable) et 4,4 % se situaient entre 50 % et 100 % (reflétant une plus grande incertitude). Pour les duplicatas des essais en colonne, 95 % des paramètres présentaient un RPD inférieur à 20 % et 5,3 % se situaient entre 20 % et 50 %. Dans l'ensemble, les essais cinétiques ont démontré une bonne reproductibilité. La variabilité légèrement plus élevée observée dans les duplicatas HCT est attribuée à la distribution granulométrique plus grossière et plus hétérogène des stériles par rapport aux résidus, ainsi qu'à la masse d'échantillon plus faible utilisée dans les HCT (environ 1 kg sec) par rapport aux essais sur colonne (8-9,5 kg sec), ce qui amplifie l'influence de l'hétérogénéité de l'échantillonnage.

Après 100 semaines, les essais HCT n'ont pas révélé de comportement acidogène net clair, bien qu'une diminution générale du pH ait été observée. Certains HCT ont affiché des valeurs légèrement inférieures à 6 vers la fin de la période d'essai (par exemple, CV5-WR-HCT-59 et CV5-WR-HCT-39), et des augmentations de certains métaux de base ont été notées, notamment le cadmium, le fer, le manganèse, le nickel et le zinc dans CV5-WR-HCT-50, ou le nickel dans CV5-WR-HCT-59. Il convient de souligner que la procédure HCT tend à favoriser le développement de conditions légèrement acides, quels que soient les résultats ABA d'un matériau, en raison du rapport liquide/solide élevé, de l'utilisation d'eau déionisée (pH 5,5-6) et du débit de rinçage rapide.

Parmi les COPC identifiés dans le cadre des essais de lixiviation (**Tableau 20**), l'arsenic s'est révélé être le plus susceptible de dépasser les critères CVAA et MDMER / D019, avec respectivement 14,1 % et 25,3 % de dépassements hebdomadaires, suivi par l'antimoine, avec 9,3 % de dépassements hebdomadaires du critère CVAA. À cet égard, il convient de souligner que l'arsenic et l'antimoine apparaissaient tous deux élevés dans les échantillons ultramafiques, qui représentaient respectivement plus de 98 % et 90 % des dépassements des critères CVAA pour l'antimoine et l'arsenic, bien que certains dépassements pour l'arsenic aient également été identifiés dans les amphibolites et les stériles de pegmatite, ainsi que dans les HCT de spodumène (minerai) de pegmatite.

Quelques dépassements ont également été observés pour certains métaux communs, en particulier dans les échantillons de métasédiments, notamment CV5-WR-HCT-50 qui a enregistré des dépassements pour le cadmium, le cuivre, le nickel et le zinc, bien que les HCT ultramafiques aient présenté quelques dépassements pour le nickel selon le critère CVAA, et que les HCT de pegmatite stérile et de pegmatite spodumène (minerai) aient présenté quelques dépassements pour le cuivre.

En ce qui concerne le cuivre, il convient toutefois de souligner que le critère CVAA (0,0016 mg/l) est inférieur à un ordre de grandeur au-dessus de la limite de détection (0,0002 mg/l jusqu'à la semaine 38 et 0,001 mg/l de la semaine 39 à la semaine 100), et que la limite de quantification de la méthode pourrait avoir influencé le nombre de dépassements enregistrés. Toutefois, étant

donné que la solubilité du cuivre est contrôlée par le pH, ce métal pourrait devenir une préoccupation plus importante si des conditions acides associées à l'oxydation des minéraux sulfurés apparaissaient.

Enfin, quelques dépassements de la teneur en uranium ont également été signalés dans les HCT de stériles pegmatitiques et de spodumène pegmatitique (minerai), notamment au début des essais sur colonne de résidus (**Tableau 21**) indiquent que l'arsenic a dépassé ses critères de criblage dans tous les types de matériaux : 4 dépassements dans les flottants (CV5-CL-1), 11 dans les middlings (CV5-CL-2), 11 dans les magnétiques (CV5-CL-3), 11 dans les bypass (CV5-CL-4) et 11 dans le composite maître (CV5-CL-5). Les dépassements pour l'antimoine étaient les plus prononcés dans les minéraux magnétiques (CV5-CL-3, 10), les minéraux de dérivation (CV5-CL-4, 6) et le composite maître (CV5-CL-5, 6), tandis que l'uranium ne dépassait ses critères que dans l'échantillon de dérivation (CV5-CL-4, 2). En comparaison, le cuivre, le nickel, le lithium et le zinc ont présenté peu de dépassements, avec des occurrences isolées telles que le cuivre dans les middlings (CV5-CL-2, 1), le nickel dans le Bypass (CV5-CL-4, 3) et le composite maître (CV5-CL-5, 2), le lithium dans les flottants (CV5-CL-1, 2) et le Bypass (CV5-CL-4, 2), et le zinc dans les flottants (CV5-CL-1, 4) et le Bypass (CV5-CL-4, 10). Ces résultats indiquent que l'arsenic, l'antimoine et l'uranium sont les principaux constituants potentiellement préoccupants dans les résidus testés.

Table 20: Compilation des paramètres présentant un dépassement des critères CVAA et MDMER / D019 en cellules humides

Identifiant HCT	Type de matériel	Antimoine	Arsenic		Cadmium	Cuivre	Lithium	nickel	Uranium	Zinc
		CVAA	CVAA	MDMER / D019	CVAA	CVAA	CVAA	CVAA	CVAA	CVAA
		0,31	0,34	0,1	0,00021	0,0016	0,91	0,067	0,017	0,017
CV5-WR-HCT-2	Amphibolite	0	0	0	0	0	0	0	0	0
CV5-WR-HCT-5	Amphibolite	0	15	64	0	1	0	0	0	0
CV5-WR-HCT-14	Amphibolite	0	0	4	0	0	0	0	0	0
CV5-WR-HCT-22	Amphibolite	0	3	48	0	1	0	0	0	0
CV5-WR-HCT-33	Amphibolite	0	0	0	0	0	0	0	0	0
CV5-WR-HCT-36	Ultramafique	57	72	73	0	1	0	5	0	0
CV5-WR-HCT-39	Métasédiment	0	0	0	0	0	0	0	0	0
CV5-WR-HCT-50	Métasédiment	2	0	0	11	1	0	3	0	13
CV5-WR-HCT-56	Métasédiment	0	0	0	0	1	0	0	0	0
CV5-WR-HCT-59	Ultramafique	0	24	62	0	1	0	4	0	0
CV5-WR-HCT-62	Ultramafique	63	70	73	0	0	0	1	0	0
CV5-WR-HCT-64	Pegmatite stérile	0	1	5	0	2	0	0	2	0
CV5-WR-HCT-69	Pegmatite stérile	0	0	3	0	2	0	0	7	0
	Total stériles	**9,3 %**	**14,1 %**	**25,3 %**	**0,8 %**	**0,8 %**	**0,0 %**	**1,0 %**	**0,7 %**	**1,0 %**
CV5-WR-HCT-74	Minerai	0	3	5	0	3	1	0	3	0
CV5-WR-HCT-76	Minerai	0	0	0	0	2	0	0	1	0
	Total minerai	**0,0 %**	**1,5 %**	**2,5 %**	**0,0 %**	**2,5 %**	**0,5 %**	**0,0 %**	**2,0 %**	**0,0 %**

Table 21. Résumé des dépassements hebdomadaires des critères COPC de la CVAA et du MDMER / D019 dans les essais sur colonnes de résidus miniers

Identifiant du test de colonne	Type de matériau	Antimoine	Arsenic		aluminium	Cuivre	Lithium	nickel	Uranium	Zinc
		CVAA	CVAA	MDMER / D019	CVAA	CVAA	CVAA	CVAA	CVAA	CVAA
		0,31	0,34	0,1	0,2800	0,0016	0,91	0,067	0,32	0,017
CV5-CL-1	Flottation	0	4	9	0	2	0	0	4	0
CV5-CL-2	Middlings	1	11	11	1	0	0	0	2	0
CV5-CL-3	Magnétique	10	11	11	0	0	0	0	0	0
CV5-CL-4	Bypass	6	11	11	0	2	3	2	10	1
CV5-CL-5	Composite maître	6	11	11	0	1	2	0	5	0

3.4 Résultats de la modélisation géochimique

Une modélisation géochimique a été réalisée afin d'évaluer les risques liés au potentiel de lixiviation de l'antimoine, de l'arsenic et du lithium présents dans les stériles et les résidus miniers du site Stockpile-002, et de soutenir les mesures de gestion des stériles visant à prévenir les risques de lixiviation de l'arsenic sur le site Stockpile_001.

Les résultats des simulations Monte Carlo à 1 000 itérations réalisées pour prédire les concentrations d'arsenic dans les eaux de percolation des stériles à la base des stockages 001 et 002 sont résumés à l'**Annexe E**, avec les résultats du modèle déterministe des résidus du Stockpile-002.

3.4.1 Charge en arsenic des stériles

Figure 18 présente les distributions des taux de lixiviation en spécifique des matériaux stériles (par kilogramme de matériel) avant et après la ségrégation. Les résultats des 1 000 itérations sont distribués symétriquement, la moyenne correspondant étroitement à la médiane, ce qui correspond à une distribution quasi normale des résultats simulés. La ségrégation devrait permettre d'obtenir un taux de lixiviation global de l'arsenic de $1{,}92\times10^{-5}$ mg/kg/semaine en moyenne pour les matériaux destinés au Stockpile-001, soit environ dix fois moins que pour les matériaux non séparés ($2{,}55\times10^{-4}$ mg/kg/semaine). Le sous-produit lixiviable issu de la ségrégation placé dans le Stockpile-002 présenterait un taux moyen de $8{,}73\times10^{-4}$ mg/kg/semaine, soit 3,4 fois plus élevé que le matériau d'origine et 45 fois plus élevé que la fraction non lixiviable. Il convient toutefois de noter que le Stockpile-002 devrait comprendre environ 53 % de matériaux lixiviables et 47 % de matériaux non lixiviables en arsenic.

Ces rapports de taux de lixiviation devraient être indépendants des variations des facteurs d'échelle et autres paramètres d'étalonnage, car ces ajustements sont appliqués uniformément à tous les types de matériaux et préservent donc les différences relatives.

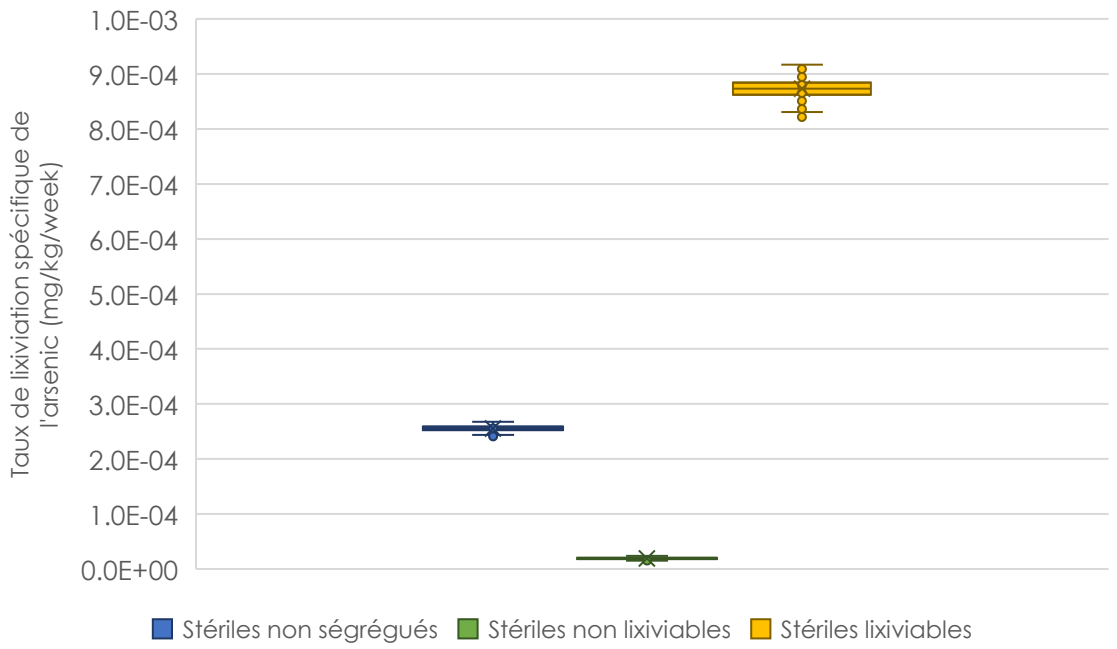


Figure 18. Distribution du taux de lixiviation en vrac de l'arsenic dans les stériles

3.4.2 Tendances modélisées de la concentration en arsenic dans le Stockpile-001

Figure 19 présente la tendance modélisée de la concentration en arsenic au fil du temps à l'emplacement du Stockpile-001. Les résultats de la modélisation de l'arsenic indiquent une augmentation des concentrations entre 2030 et 2036, atteignant un maximum de 0,068 mg/L en moyenne et de 0,085 mg/L dans le cas conservateur (90e centile de 1 000 itérations). La concentration maximale coïncide avec la date estimée d'achèvement de la construction de la halde. Le modèle montre que la concentration d'arsenic diminuera ensuite en dessous de 0,004 mg/l après 2050, tant dans le scénario optimiste que dans le scénario prudent. Selon le modèle, la concentration d'arsenic dans le Stockpile-001 ne devrait pas dépasser le critère MDMER / D019 de 0,10 mg/l pendant l'exploitation.

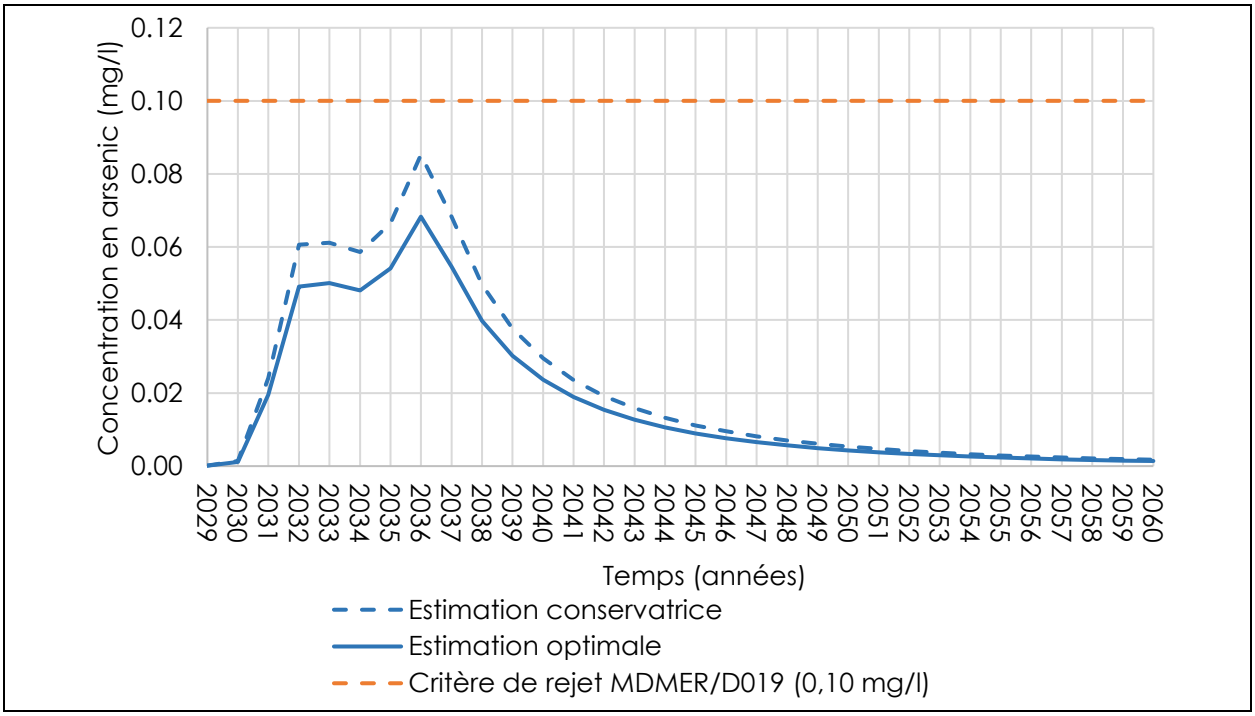


Figure 19. Tendances modélisées de la concentration en arsenic dans le Stockpile-001

3.4.3 Tendances modélisées de la concentration des COPC dans le Stockpile-002

Figure 20 présente les tendances modélisées des concentrations d'antimoine, d'arsenic et de lithium au fil du temps dans les eaux de drainage provenant du site Stockpile-002. Les concentrations d'arsenic (**a**) combinent les résultats des modèles de stériles et de résidus, tandis que pour l'antimoine (**b**) et le lithium (**c**), les résultats du modèle de résidus sont combinés avec des valeurs fixes issues de l'exercice de sélection.

Le graphique indique que les concentrations d'arsenic dans le Stockpile-002 devraient être dominées par la contribution des résidus, avec un maximum de 8,9 mg/L contre 1,8 mg/L pour les stériles. Les concentrations globales devraient augmenter pour atteindre 10,3 mg/L en 2040, ce qui coïncide avec l'achèvement de la partie de la halde dédiée aux stériles. Le modèle prévoit en outre une baisse marquée des concentrations d'arsenic à partir de 2047, avec des valeurs passant sous la barre des 1 mg/L après 2055.

Les concentrations d'antimoine dans le Stockpile-002 devraient être dominées par la contribution des résidus miniers, tandis que la contribution des stériles restera stable à 0,41 mg/L, comme défini lors de la procédure de sélection du COPC. Les concentrations globales augmentent progressivement de 2029 à 2047, pour atteindre un pic de 3,0 mg/L à la fin du placement des résidus. Le modèle prévoit ensuite une baisse marquée des concentrations à partir de 2048, avec des valeurs passant sous la barre des 0,70 mg/L après 2055.

Les concentrations de lithium dans le Stockpile-002 devraient être dominées par la contribution des résidus miniers, tandis que la contribution des stériles restera négligeable, à environ 0,08 mg/L, comme défini lors de la procédure de sélection du COPC. Les concentrations globales

augmentent régulièrement de 2029 à 2035, pour atteindre un maximum de 2,2 mg/L pendant la période de mise en place des résidus. Les concentrations restent ensuite relativement stables jusqu'en 2047, après quoi le modèle prévoit une baisse prononcée à partir de 2048 et une stabilisation autour de 0,10 mg/l après 2055.

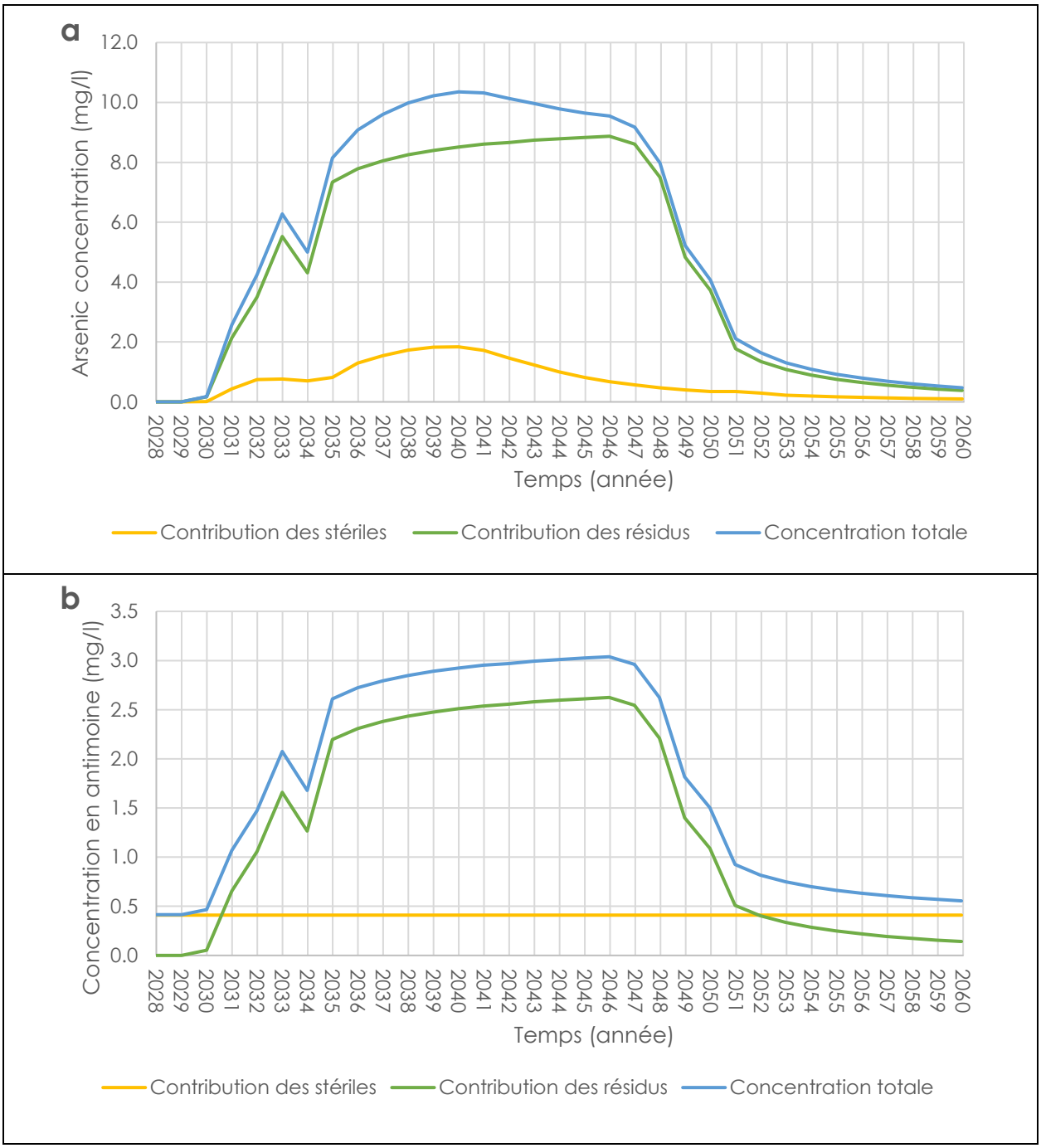


Figure 20. Modélisation des concentrations en COPC dans le Stockpile-002 (1 sur 2)

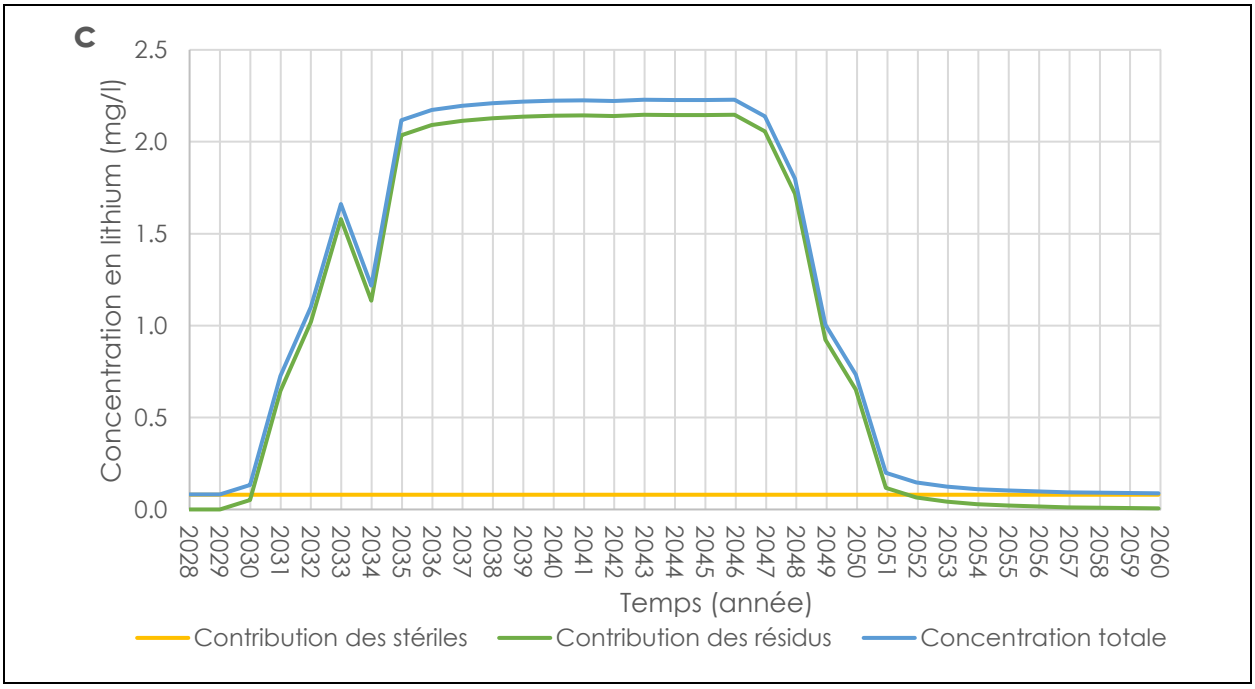


Figure 21. Modélisation des concentrations en COPC dans le Stockpile-002 (1 sur 2)

3.5 Limites du modèle

L'interprétation des résultats de la modélisation doit être considérée à la lumière des incertitudes et des hypothèses inhérentes à l'approche. La fiabilité des concentrations de COPC prévues dépend fortement de la qualité et de la représentativité des paramètres d'entrée utilisés. Comme pour tout modèle géochimique, la précision des résultats ne peut dépasser le niveau de confiance dans les données d'entrée.

L'une des sources d'incertitude les plus importantes réside dans l'utilisation des facteurs d'échelle. Les concentrations de COPC modélisées sont très sensibles à ces paramètres et réagissent de manière directement proportionnelle (**Équation 4**). Par exemple, une surestimation d'un facteur d'échelle donné d'un facteur deux entraînerait des concentrations prévues qui ne représenteraient que la moitié de celles observées dans les conditions réelles. Afin d'atténuer cette incertitude, les facteurs d'échelle ont été sélectionnés avec le plus grand soin et des valeurs prudentes ont été appliquées. Néanmoins, des essais cinétiques futurs, notamment des essais sur colonnes de stériles et des expériences sur le terrain avec des barils, seront réalisés afin d'affiner ces paramètres et de réduire l'incertitude.

Une autre limite des efforts de modélisation actuels réside dans l'omission des mécanismes de sorption potentiels qui peuvent influencer la solubilité et la mobilité de certains COPC. On sait que des éléments tels que l'arsenic et l'antimoine interagissent avec les phases de fer et d'aluminium, ce qui peut agir comme un processus d'atténuation naturel. Comme ces mécanismes n'ont pas été explicitement pris en compte, les résultats du modèle représentent un scénario prudent, dans lequel on suppose qu'aucun contrôle de ce type ne se produit. Une fois encore, des données expérimentales supplémentaires issues d'essais en colonne et sur le terrain

seront essentielles pour améliorer la compréhension de ces mécanismes et les intégrer dans les futures itérations du modèle.

Une autre simplification réside dans le traitement des processus hydrologiques. Le modèle actuel suppose que tous les constituants lessivés sont immédiatement exportés du système dès leur génération. En réalité, l'eau contenue dans la halde peut avoir des temps de séjour importants, ce qui entraîne le stockage, le mélange et la libération retardée des constituants dissous. Cela aurait pour effet d'atténuer les concentrations maximales tout en prolongeant le signal de libération sur une période plus longue, les quantités totales (c'est-à-dire l'aire sous la courbe concentration-temps) restant approximativement constantes. Un tel comportement pourrait influencer considérablement les concentrations maximales à court terme et les charges à long terme, et souligne l'importance de coupler les modèles géochimiques de terme source avec les modèles de transport hydrologique dans les travaux futurs. Cependant, comme elle atténue les concentrations maximales, l'approche de modélisation actuelle est considérée comme conservatrice.

3.6 Criblage des COPC

Une analyse COPC a été réalisée afin d'identifier les composants potentiellement préoccupants susceptibles de s'échapper de Stockpile-001, Stockpile-002 et de la halde de minerai. Le processus a intégré les résultats des essais statiques, des essais cinétiques et de la modélisation géochimique afin d'affiner progressivement la compréhension des rejets potentiels de contaminants.

La sélection s'est déroulée en trois étapes :

1. Les données d'essais statiques ont d'abord été utilisées pour établir une liste initiale de COPC en fonction des concentrations totales et lixiviables.
2. Cette liste préliminaire a ensuite été affinée à l'aide des résultats des essais cinétiques, qui ont permis de mieux comprendre l'évolution temporelle et les taux de libération des éléments dans des conditions contrôlées.
3. Enfin, des simulations de modélisation géochimique ont été réalisées pour les COPC restants afin de quantifier davantage et de limiter les concentrations prévues dans des conditions représentatives du site.

3.6.1 Criblage des COPC par essais statiques

Un effort de criblage COPC a été réalisé sur la base des résultats SPLP et CTEU-9, en utilisant le 90e centile de chacun des constituants identifiés par type lithologique, pondéré en fonction de leurs proportions respectives calculées dans Stockpile-001 et Stockpile-002 **Section 2.9.5**. En ce qui concerne la halde de minerai, les concentrations du 90e centile des constituants mesurées lors des essais de lixiviation effectués sur des échantillons de pegmatite spodumène ont été utilisées.

Le premier examen COPC, réalisé sur la base des résultats des essais statiques, a permis d'identifier l'aluminium, l'antimoine, l'arsenic et le cuivre comme pouvant dépasser le critère CVAA ou MDMER/D019 dans les haldes Stockpile-001, Stockpile-002 et la halde de minerai

(**Tableau 22**). En outre, le fer a également été identifié comme pouvant dépasser le critère dans le Stockpile-001 et la halde de minerai, tandis que le béryllium et le nickel ont été identifiés comme pouvant dépasser le critère uniquement dans la halde de minerai et le Stockpile-002, respectivement. Parmi les constituants mis en évidence dans le cadre des essais, le cadmium, le plomb, le mercure et le zinc sont exclus de la liste des COPC. Il convient de noter que le criblage CTEU-9 est nettement plus conservateur que le SPLP, qui n'a permis d'identifier que l'aluminium pour les trois haldes, en plus de l'arsenic pour le Sotckpile-002.

Certains des COPC identifiés, en particulier l'arsenic, le lithium et l'antimoine, sont connus pour leur grande solubilité, avec peu de limitations dans les conditions d'essai. Le pourcentage de libération dû à la fragmentation et le temps d'agitation sont donc des facteurs clés de leur mobilisation, et l'équilibre est difficile à atteindre. C'est pourquoi les procédures d'essai de lixiviation statique seront dans ce cas de mauvais prédicteurs des concentrations sur le terrain. Les facteurs qui contrôlent la concentration sur le terrain sont principalement influencés par la cinétique et la surface de l'interface de contact entre l'eau et les solides. Dans ce cas, les essais de lixiviation peuvent sous-estimer les concentrations qui seront mesurées sur le terrain.

La solubilité de l'aluminium, du fer, du nickel et du béryllium est principalement contrôlée par le pH, et l'équilibre est plus susceptible d'être atteint dans les essais de lixiviation. L'agitation peut toutefois augmenter artificiellement les concentrations de métaux mesurées en permettant aux colloïdes de passer à travers le filtre de 0,40 µm. Par exemple, l'échantillon VIS-CV5-MS-210 présentait des concentrations en fer CTEU-9 de 22,9 mg/L à un pH de 8,03, bien au-dessus de la solubilité attendue dans les conditions ambiantes (~0,05 mg/L ; $Ksp(Fe(OH)_2) \approx 4{,}87 \times 10^{-11}$ à 25 °C). Un comportement similaire peut se produire pour l'uranium, bien que sa solubilité soit davantage influencée par l'alcalinité et les concentrations de carbonate que par le pH. Dans une halde, la présence de colloïdes dans l'eau devrait être beaucoup moins prononcée, car l'eau se déplace plus lentement et est naturellement filtrée par les matériaux environnants. Les concentrations en métaux devraient toutefois augmenter de manière significative si des conditions de pH acide sont atteintes.

Le protocole d'essai cinétique a été conçu sur la base de ces résultats afin de déterminer si les dépassements identifiés peuvent être confirmés par une analyse cinétique et de dériver des termes sources à utiliser dans un exercice de modélisation.

Tablet. Concentrations de criblage des essais statiques dans Stockpile-001, Stockpile-002 et la halde de minerai

Paramètres	Unité	Critère		Stockpile-001		Stockpile-002		Stock de minerai	
		CVAA	MDMER / D019	SPLP	CTEU-9	SPLP	CTEU-9	SPLP	CTEU-9
aluminium	mg/l	0,28		0,90	2,27	0,54	1,62	0,97	7,04
Antimoine	mg/l	0,31		0,03	0,38	0,04	1,58	0,09	3,08
Arsenic	mg/l	0,34	0,1	0,08	0,93	0,21	9 h 30	0,13	3,40
Béryllium	mg/l	0,0012		0,0001	0,0007	0,0001	0,0007	0,0009	0,0034
Cadmium	mg/l	0,00021		0,00001	0,00004	0,00001	0,00003	0,00002	0,00005
Cuivre	mg/l	0,0016	0,1	0,0011	0,0031	0,0013	0,0070	0,0020	0,0021
Fer	mg/l	3,4	3,0	0,24	3,15	0,14	1,96	0,07	9,96
Plomb	mg/l	0,004	0,08	0,0003	0,0015	0,0002	0,0011	0,0006	0,0017
Lithium	mg/l	0,91		0,09	2,56	0,07	2,12	0,39	10,48
Mercure	mg/l	0,0016		0,00001	0,00001	0,00001	0,00001	0,00001	0,00003
nickel	mg/l	0,067	0,3	0,001	0,003	0,0009	0,0151	0,0007	0,0006
Uranium	mg/l	0,017		0,001	0,027	0,0011	0,0532	0,0025	0,1520
Zinc	mg/l	0,017	0,4	0,003	0,006	0,0024	0,0039	0,0116	0,0088

Les résultats mis en évidence indiquent des valeurs dépassant les critères CVAA ou MDMER / D019.

3.6.2 Criblage des COPC par essais cinétiques

Comme décrit dans la section précédente **Section 3.6.1,** l'antimoine, l'arsenic et le lithium sont des éléments hautement mobiles dont les concentrations dans l'eau en contact avec le matériau ne sont pas directement limitées par le pH ou l'alcalinité. Les résultats des essais statiques peuvent fournir des estimations inexactes qui pourraient conduire à une sous-estimation des concentrations sur le terrain.

La **Figure 22** montre une forte corrélation entre la teneur totale en solides de ces éléments, mesurée à l'aide de la méthode de fusion au peroxyde de sodium à partir de la DHDB développée lors des forages d'exploration, et le taux de lixiviation HCT des échantillons correspondants. En appliquant les coefficients des régressions linéaires (0,0020 pour l'antimoine, 0,0010 pour l'arsenic et 0,1183 pour le lithium) au 90e centile de la teneur en solides mobiles COPC correspondante de la DHDB, il est possible de dériver des taux de lixiviation conservateurs et de les adapter aux conditions sur le terrain à l'aide des facteurs décrits dans la section 2.9.3 « Conception du modèle » du présent rapport.

Les données cinétiques ont également été utilisées pour affiner le criblage COPC des constituants soumis à des mécanismes de contrôle de la solubilité, tels que les métaux de base (aluminium, béryllium, cadmium, cuivre, fer et nickel) et l'uranium. Les estimations de la solubilité de ces COPC ont été calculées pour des conditions neutres et pour des conditions acides dans le cas du Stockpile-002, où doivent être stockés des matériaux PAG dont la teneur en soufre est supérieure à 0,3 % :

Pour les conditions neutres, les concentrations en métaux de base ont été estimées à l'aide du 90e centile des résultats HCT pour chaque constituant identifié par lithologie, pondérés en fonction de leur abondance respective dans la halde correspondante.

Dans des conditions acides, les concentrations ont été calculées à partir des valeurs maximales de HCT, ajustées par un facteur de 20 (équivalent à une division par 0,05) afin de tenir compte du rapport liquide/solide, estimé à environ 5 % dans le Stockpile-002. Cette approche reflète les différents contrôles sur la libération des métaux : dans des conditions neutres, les concentrations sont principalement régies par le pH, largement indépendant du rapport liquide/solide, tandis que dans des conditions acides, la cinétique de la réaction et la surface de contact entre l'eau et les solides deviennent les facteurs limitants, justifiant l'ajustement appliqué.

Le **Tableau 23** résume les résultats de l'effort de criblage affiné mené à partir des données cinétiques et met en évidence les constituants dépassant les critères CVAA/MDMER pour chaque halde. Pour le Stockpile-001 dans des conditions neutres, l'arsenic (ratio 2,24) est le seul constituant dépassant clairement le critère, le cuivre, le cadmium et l'antimoine restant en dessous de leurs limites respectives. Dans le Stockpile-002 dans des conditions acides, l'arsenic (22,4), le cuivre (10), le nickel (4,3) et l'uranium (22) dépassent tous leurs critères, ce qui indique une mobilité potentielle plus élevée de ces éléments dans cette halde, tandis que l'aluminium, le béryllium, le cadmium, le fer, le lithium et l'antimoine restent en dessous de leurs seuils. Pour la halde de minerai, l'arsenic (30,8), l'antimoine (11,0) et le lithium (11,5) dépassent leurs critères respectifs dans des conditions neutres, tandis que les autres métaux se situent dans des limites acceptables. Ces résultats indiquent que l'arsenic dépasse systématiquement les critères de

sélection dans toutes les haldes, l'uranium, le cuivre, le nickel, l'antimoine et le lithium dépassant les limites dans certaines haldes et pour des conditions spécifiques.

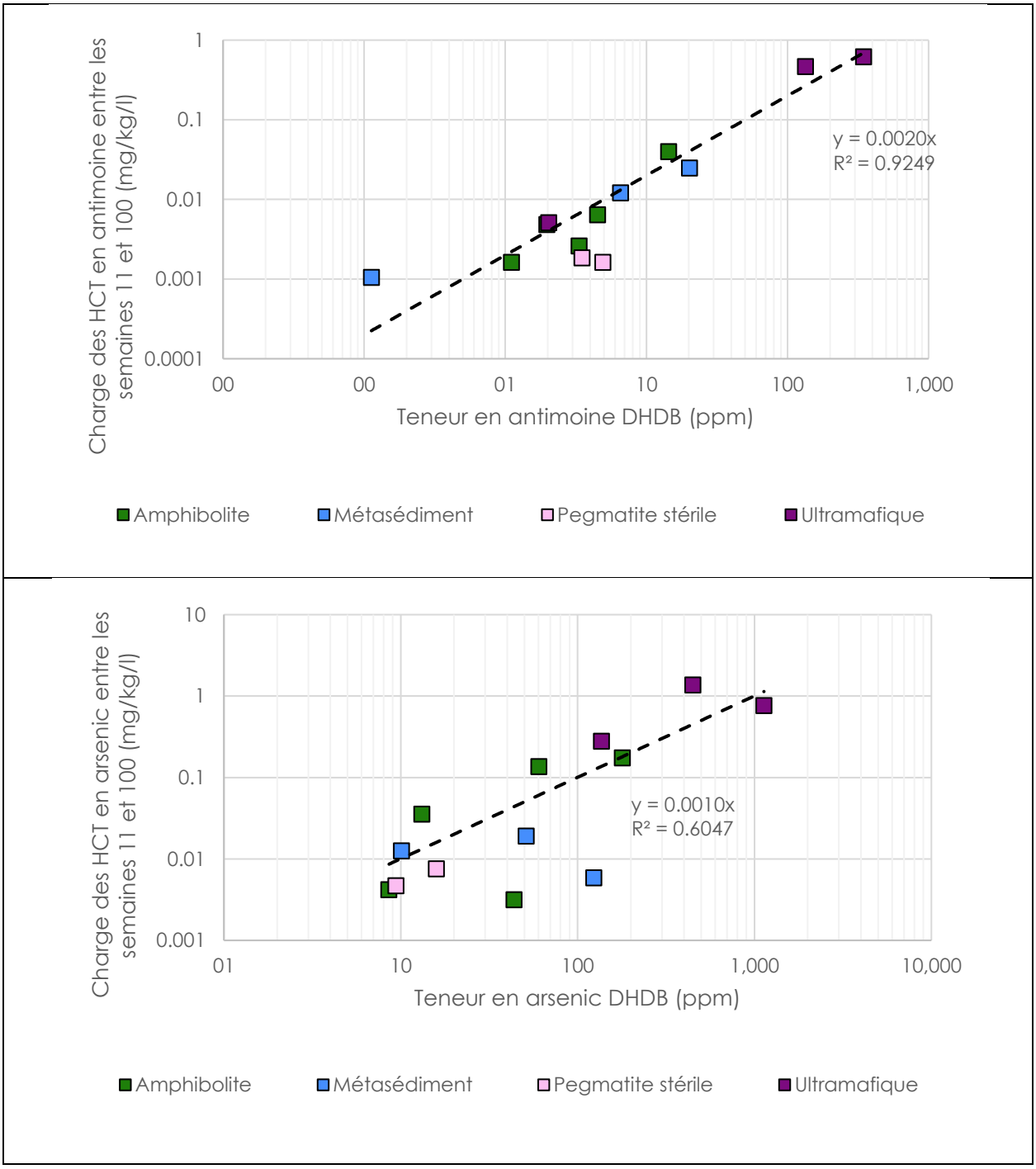


Figure 22. Relation entre le taux de lixiviation HCT et la teneur en peroxyde de sodium dans les stériles pour les COPC mobiles (antimoine, arsenic et lithium ; 1 sur 2)

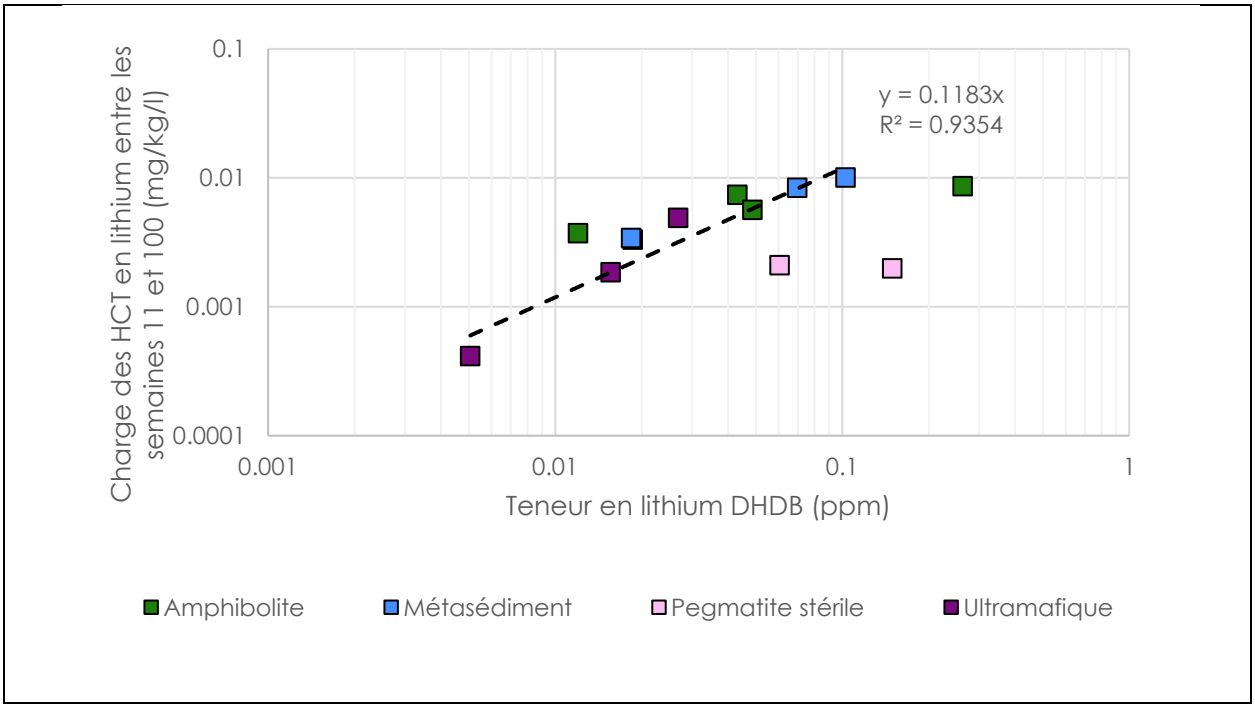


Figure 22. Relation entre le taux de lixiviation HCT et la teneur en peroxyde de sodium dans les stériles pour les COPC mobiles (antimoine, arsenic et lithium ; 2 sur 2)

Table 22. Concentrations utilisées pour les essais cinétiques dans les stocks Stockpile-001, Stockpile-002 et Ore Stockpile

Paramètres	Unité	CVAA / MDMER[1]	Stockpile-001		Stockpile-002				Halde de minerai	
			Conditions neutres		Conditions neutres		Conditions acides		Conditions neutres	
			Concentration	Rapport au critère	Concentration	Rapport au critère	Concentration	Rapport au critère	Concentration	Rapport au critère
aluminium	mg/l	0,28	0,063	0,22	0,116	0,41	0,790	2,8	0,059	0,21
Antimoine	mg/l	0,31	0,136	0,44	0,414	1,34	0,414	1,3	3,40[2]	11,0
Arsenic	mg/l	0,1	0,540	5,40	2,238	22,4	2,238	22,4	3,08[2]	30,8
Béryllium	mg/l	0,0012	0,00002	0,02	0,00003	0,03	0,0002	0,1	0,0001	0,06
Cadmium	mg/l	0,00021	0,0001	0,35	0,00005	0,26	0,0007	3,5	0,000005	0,02
Cuivre	mg/l	0,0016	0,001	0,75	0,0015	0,92	0,015	10	0,0012	0,75
Fer	mg/l	3	0,06	0,019	0,0294	0,010	0,14	0,05	0,0070	0,0023
Lithium	mg/l	0,91	0,08	0,085	0,0818	0,090	0,08	0,09	10,48[2]	11,5
nickel	mg/l	0,067	0,007	0,11	0,0184	0,27	0,29	4,3	0,0005	0,01
Uranium	mg/l	0,017	0,002	0,09	0,38	22	0,38	22	0,0116	0,68

Les résultats mis en évidence indiquent des valeurs dépassant les critères CVAA ou MDMER/D019.

[1]La valeur la plus conservatrice a été sélectionnée parmi les deux critères (CVAA pour l'aluminium, le cadmium, le cuivre et le nickel ; MDMER pour le fer).

[2]Ces concentrations sont basées sur les essais CTEU-9 et n'ont pas été mises à jour à l'aide des résultats des essais cinétiques, car les informations sur les caractéristiques de la halde de minerai n'étaient pas disponibles au moment de la rédaction du présent rapport.

3.6.3 Sélection finale

Une modélisation géochimique a été réalisée afin de prédire les concentrations dans l'eau de contact des COPC associés aux stériles et aux résidus miniers qui ont été identifiés lors des essais statiques et cinétiques effectués sur les Stockpiles-001 et -002. Plus précisément, l'évolution des concentrations d'arsenic a été modélisée pour le Stockpile-001, tandis que l'évolution des concentrations d'antimoine, d'arsenic et de lithium a été modélisée pour le Stockpile-002. Les résultats de l'effort de criblage des COPC intégrant les essais statiques, les essais cinétiques et les résultats de la modélisation géochimique en termes de concentrations maximales prévues sont résumés dans **Tableau 24**.

Les résultats de la modélisation indiquent que la mise en œuvre d'un protocole de ségrégation, impliquant la séparation complète des lithologies ultramafiques et de tous les matériaux dont la concentration en arsenic est supérieure à 30 ppm, devrait permettre de maintenir les concentrations en arsenic dans le drainage du tas en dessous des critères CVAA et MDMER/D019. À l'inverse, des conditions de lixiviation ont été identifiées pour le Stockpile-002, avec des concentrations d'arsenic dépassant les critères MDMER/D019 jusqu'à deux ordres de grandeur, principalement en raison de la contribution des résidus. De même, l'antimoine et, dans une moindre mesure, le lithium, devraient être lessivés du Stockpile-002, également sous l'influence importante des résidus. L'eau provenant du Stockpile-002 devra être gérée activement afin d'empêcher que des concentrations potentiellement nocives ne se répandent dans l'environnement par rejet ou résurgence.

Le statut réglementaire des différents tas de roches qui soutiennent les mesures de gestion de l'eau prévues dans la conception technique du site est résumé dans **Tableau 25**.

Table 23. Résumé des estimations de concentration maximale de COPC dans les eaux de drainage provenant des Stockpile-001, Stockpile-002 et de la halde de minerai.

Paramètres	Unité	CVAA / MDMER[1]	Stockpile-001		Stockpile-002				Halde de minerai	
			Conditions neutres		Conditions neutres		Conditions acides		Conditions neutres	
			Concentration	Rapport au critère	Concentration	Rapport au critère	Concentration	Rapport au critère	Concentration	Rapport au critère
aluminium	mg/l	0,28	0,063	0,22	0,116	0,41	**0,790**	**2,8**	0,059	0,21
Antimoine	mg/l	0,31	0,136	0,44	**3,04**	**9,8**	**3,04**	**9,8**	**3,40**	**11,0**
Arsenic	mg/l	0,1	0,085	0,85	**10,42**	**104**	**10,42**	**104**	**3,08**	**30,8**
Cadmium	mg/l	0,00021	0,0001	0,35	0,00005	0,26	**0,0007**	**3,5**	0,000005	0,02
Cuivre	mg/l	0,0016	0,001	0,75	0,0015	0,92	**0,015**	**10**	0,0012	0,75
Lithium	mg/l	0,91	0,077	0,085	**2,23**	**2,45**	**2,23**	**2,45**	**10,48**	**11,5**
nickel	mg/l	0,067	0,007	0,11	0,0184	0,27	**0,29**	**4,3**	0,0005	0,01
Uranium	mg/l	0,017	0,002	0,09	**0,38**	**22**	**0,38**	**22**	0,0116	0,68

Code couleur : jaune = essais statiques ; vert = essais cinétiques ; bleu = modélisation des haldes.

Texte en gras : les concentrations dépassent les critères CVAA/MDMER.

[1]La valeur la plus conservatrice des deux critères (CVAA pour l'aluminium, le cadmium, le cuivre et le nickel ; MDMER pour le fer).

Table 24. Composition et classification des haldes

Caractéristique	Stockpile-001	Stockpile-002		Stock de minerai
Rejets miniers	Roche stérile	Roche stérile	Résidus miniers	Minerai
Masse totale (Mt)	44,2	80,6	54,0	Non déterminé
Classification	**Non-PAG/Non-ML**	PAG/ML	Non-PAG/ML	**Non-PAG/ML**
		PAG/ML		
Classification D019	**Faible risque**	**Acidogène/Lixiviable**		**Lixiviable**

Les capacités de stockage des haldes ont été fournies par Atkins, et les quantités par lithologie ont été déterminées sur la base du calendrier d'exploitation fourni par G Mining.

4.0 Conclusion

Les travaux géochimiques présentés dans ce rapport correspondent à un programme de caractérisation géochimique par étapes, comprenant des essais statiques, des essais cinétiques et une modélisation prédictive, entrepris afin d'appuyer la conception du projet au stade de la faisabilité. L'intégration de ces méthodes a fourni une base solide pour comprendre le comportement géochimique des principaux rejets miniers et pour anticiper leurs impacts environnementaux potentiels. La conclusion suivante résume les principaux résultats de ce programme et décrit les prochaines étapes nécessaires pour affiner les prévisions géochimiques à mesure que le projet avance.

Les résultats ABA ont indiqué que 28,2 % des stériles, 88,0 % du minerai (pegmatite spodumène) et 77,8 % des résidus pouvaient être classés comme non PAG en raison d'une teneur totale en soufre inférieure à 0,04 %. Dans l'ensemble, 26,7 % des échantillons de stériles ont été classés comme PAG, dont 12,5 % d'amphibolite (n = 16), 35,6 % de métasédiments (n = 36), 3,0 % de pegmatite stérile (n = 1) et 5,6 % d'ultramafique (n = 3). En revanche, le minerai (pegmatite spodumène) et les résidus ne représentaient que 4,0 % des échantillons PAG. Tous les échantillons de résidus ont été classés comme non PAG.

Sur la base de l'analyse des données ABA, il a été recommandé de séparer les matériaux dont la teneur totale en soufre dépasse 0,3 % et de les placer dans le Stockpile-002, concevant ainsi le Stockpile-001 qui est classé comme Non-PAG/Non-ML (classification D019 : faible risque).

L'analyse du contenu extractible à l'eau régale a permis d'identifier un large éventail de constituants enrichis par rapport à la concentration de fond de la province géologique supérieure, mettant en évidence l'arsenic comme le constituant le plus couramment enrichi, avec 79,4 % des échantillons dépassant la concentration de fond. Les autres constituants identifiés sont le cuivre (40,8 % de dépassements) et le nickel (30,9 % de dépassements).

Les essais de lixiviation SPLP et CTEU-9 ont partiellement reflété les enrichissements mesurés lors des extractions à l'eau régale, mettant en évidence des constituants similaires. Ces procédures de lixiviation ont permis d'identifier les risques potentiels de lixiviation associés à l'aluminium, l'antimoine, l'arsenic, le cuivre, le nickel, le lithium et l'uranium dans les stériles, le minerai et les résidus miniers. Cependant, aucun des 350 échantillons environnementaux testés ne présentait de caractéristiques « à haut risque » selon la classification D019.

Les essais cinétiques comprenaient la poursuite de 15 essais en cellule d'humidité (HCT, plus un duplicata) sur les stériles et le minerai, et le lancement de 5 essais en colonne (plus un duplicata) sur les résidus. Les résultats des essais cinétiques ont été utilisés pour affiner le criblage COPC, ce qui a permis d'écarter ou de confirmer les risques potentiels de lixiviation. Il convient de noter que les résultats indiquent que si des conditions acides venaient à se développer dans le Stockpile-002, les métaux de base, notamment l'aluminium, le cuivre et le nickel, seraient susceptibles de se lixivier. En outre, les essais en colonne sur les résidus ont montré que des dépassements des limites d'arsenic, d'antimoine et, dans une moindre mesure, de lithium pourraient être attendus dans le Stockpile-002.

La modélisation géochimique des haldes a été réalisée à l'aide de données cinétiques adaptées aux conditions sur le terrain et associées à une distribution aléatoire des caractéristiques des stériles tirées de la DHDB (4 678 échantillons de stériles). Les modèles ont été conçus pour prédire les concentrations de COPC dans les eaux de contact des stériles et des résidus miniers des Stockpiles-001 et -002, afin de faciliter la conception du Stockpile-001 avec des stériles non PAG/non ML (classification D019 : faible risque) et d'éclairer la conception du Stockpile-002 et du système de traitement des eaux associé.

Les résultats de la modélisation indiquent que la mise en œuvre d'un protocole de ségrégation, plus précisément la séparation complète de la lithologie ultramafique et l'élimination de tous les matériaux dont la concentration en arsenic est supérieure à 30 ppm, devrait empêcher la lixiviation de l'arsenic au niveau de Stockpile-001, maintenant ainsi les concentrations en arsenic en dessous des critères CVAA et MDMER/D019. À l'inverse, des conditions de lixiviation ont été identifiées dans le Stockpile-002, avec des concentrations en arsenic dépassant les critères MDMER/D019 jusqu'à deux ordres de grandeur, principalement en raison de la contribution des résidus. De même, l'antimoine et, dans une moindre mesure, le lithium devraient s'échapper du Stockpile-002, en grande partie à cause des résidus.

4.1 Recommandations et poursuite des essais géochimiques

La modélisation des haldes présentée dans ce rapport est basée sur les informations actuellement disponibles au moment de la soumission de l'étude de faisabilité. Cette étude a intégré des essais statiques, des essais cinétiques et une modélisation géochimique afin de déterminer les concentrations maximales de COPC dans les Stockpiles-001 et -002 et d'étayer la conception technique des haldes. Comme indiqué à la section 4.7, la fiabilité des concentrations de COPC prévues dépend fortement de la qualité et de la représentativité des paramètres d'entrée. Il est donc recommandé de continuer à recueillir des données géochimiques afin d'affiner les estimations des concentrations maximales de COPC dans les haldes. Une meilleure collecte de données permettra également de réduire l'incertitude du modèle.

Les sections suivantes résument les essais et analyses géochimiques recommandés et continus visant à améliorer la compréhension des risques géochimiques associés aux rejets miniers sur le site.

4.1.1 Essais en barils de terrain

Cinq FBT ont été préparés à partir de stériles provenant de carottes prélevées pendant la phase d'exploration du projet. La sélection des carottes s'est faite en fonction du type lithologique ainsi que de la teneur en arsenic et en soufre. Les carottes sélectionnées ont été expédiées au laboratoire de l'URSTM, où elles ont été broyées à une granulométrie d'environ 5 cm (~2 pouces), homogénéisées et préparées par le personnel de l'URSTM avant la construction des barils. Chaque FBT a été rempli de 200 kg de stériles secs, placés sur une couche de 30 kg de sable siliceux à la base du baril afin de favoriser le drainage. Les barils ont été mis en place sur le site en octobre 2025. Les identifiants des FBT et les stériles correspondants sélectionnés pour mettre en place les essais sont résumés dans **Tableau 26**.

Table 25. Inventaire des FBT construits et lithologie et types de matériaux correspondants

# FBT	Lithologie et type de matériau
CV5-AMP-FBT	Stériles amphibolitiques contenant des concentrations d'As et de S représentatives des caractéristiques du pit shell
CV5-MS-FBT	Stériles métasédimentaires contenant des concentrations d'As et de S représentatives des caractéristiques de la fosse.
CV5-PEG-FBT	Stériles de pegmatite contenant des concentrations d'As et de S représentatives des caractéristiques de la fosse.
CV5-UM-FBT	Stériles ultramafiques contenant des concentrations d'As et de S représentatives des caractéristiques de la fosse
CV5-CP-FBT	Matériau composite de stériles reflétant la composition prévue du Stockpile-001, destiné à servir de FBT de confirmation.

4.1.2 Essais en colonne confirmatoires sur les matériaux de Stockpile-001

Les résultats de modélisation issus de cette étude ont permis d'élaborer un protocole de séparation opérationnel axé sur la séparation des stériles PAG/ML des stériles non PAG/non ML, afin de constituer une halde non PAG/non ML (c'est-à-dire le Stockpile-001). Il est donc recommandé de lancer un essai sur colonne drainée et immergée composé de la proportion lithologique du Stockpile-001, associé aux valeurs limites d'As et de S. La colonne sèche représentera le Stockpile-001 et la colonne immergée représentera le remblayage de la mine à ciel ouvert avec les stériles du Stockpile-001. L'objectif de ces essais sur colonne est de valider les résultats de modélisation du niveau de faisabilité déterminés dans cette étude. Les matériaux de stériles pour ces essais sur colonne ont été préparés et les essais devraient débuter à l'automne 2025.

4.1.3 Remblayage de la fosse avec les matériaux PAG de Stockpile-002

Le concept consistant à remettre les matériaux PAG dans la fosse a été abordé dès le début de l'étude de faisabilité. À l'époque, ce concept n'avait pas été jugé viable en raison de la présence potentielle de réserves supplémentaires de minerai de lithium sous l'enveloppe actuelle de la fosse, laissant ainsi ouverte la possibilité d'exploiter ces réserves à l'avenir. Vers la fin de l'étude de faisabilité, le concept consistant à remblayer la fosse avec des stériles a été réintroduit. Comme indiqué à la section 5.1.2, il est recommandé de procéder à des essais afin d'évaluer les risques de lixiviation des métaux pour les matériaux du Stockpile-001 dans des conditions saturées. Cependant, dans le cadre du même programme, il est également recommandé d'isoler et de tester les matériaux classés comme PAG (teneur en soufre > 0,3 % en poids) du Stockpile-002 afin d'évaluer la viabilité du stockage dans la fosse.

4.1.4 Analyse comparative entre HCT et les essais en colonnes de l'UQAT

Dans le cadre d'une initiative de recherche, l'UQAT a lancé des essais en colonne à partir d'échantillons composites provenant du programme HCT sur les stériles. Une fois les programmes d'essais en colonne et HCT terminés, il est recommandé de procéder à une analyse

comparative entre les essais en colonne sur les stériles et les essais HCT afin de mettre à jour les données d'entrée du modèle et d'étayer les prévisions du COPC pour le Stockpile-001.

4.1.5 Essais sur les matériaux de remblayage des résidus miniers

En raison de la conception hybride de la mine avec des travaux souterrains, Paterson & Cooke a mené une étude sur les matériaux de remblayage des résidus miniers adaptés au site. Les essais sur les échantillons de remblayage issus d'une période de durcissement de 180 jours devraient débuter à l'automne 2025 afin de réaliser des essais statiques et cinétiques visant à étudier les risques de lixiviation des métaux pour le stockage souterrain à long terme.

4.1.6 Modèle cinétique de qualité de l'eau dans les fosses

Les résidus miniers restants après que les capacités des stockages de Stockpile-001 et Stockpile-002 auront été atteintes seront stockés de manière permanente dans la fosse. Il est donc recommandé de développer un modèle prédictif de transport réactif afin de simuler la réponse potentielle de la qualité de l'eau de la fosse au stockage en eau des résidus miniers. Le modèle devrait être conçu comme un système hydrodynamique-géochimique couplé capable de prédire l'évolution des concentrations de COPC (par exemple, l'arsenic, l'antimoine) dans la colonne d'eau recouvrant les stériles submergés.

Un bilan hydrique dynamique doit être intégré afin de tenir compte de la dilution due aux précipitations et au ruissellement, ainsi que du débit sortant par le déversoir. Les termes sources géochimiques cinétiques utilisés comme données d'entrée du modèle doivent être dérivés des résultats mis à l'échelle des essais en colonne immergée réalisés sur des matériaux de stériles représentatifs de ceux qui devraient être placés dans la fosse.

Cet effort de modélisation devrait viser à soutenir l'évaluation des risques potentiels associés au stockage en eau des stériles, à estimer les délais pendant lesquels ces risques peuvent se concrétiser et à éclairer la conception de mesures d'atténuation appropriées.

5.0 Bibliographie

ASTM (2018). ASTM D5744-18, Standard Test Method for Laboratory Weathering of Solid Materials Using a Humidity Cell. ASTM International. West Conshohocken, PA, USA.

Dawson, R. F. (1994) Mine Waste Geotechnique. Ph.D Thesis. University of Alberta. Faculty of Engineering.

Ecometrix 2014. Geochemical evaluation of mine materials at the Goliath gold project (Report No. 12-1938). Prepared for Treasury Metal Inc.

Jambor, J., et al. (2002). "Static tests of neutralization potentials of silicate and aluminosilicate minerals." Environmental Geology 43: 1-17.

Kempton, H. (2012). A review of scale factors. In proceedings of 9th International Conference on Acid Rock Drainage (ICARD), Ottawa, ON, Canada.

Lawrence, R. W. and M. Scheske (1997). "A method to calculate the neutralization potential of mining wastes." Environmental Geology 32(2): 100-106.

Lorax Environmental. (2014). Eagle Gold Geochemical Source Term Predictions – Model Description and Results. Prepared for StrataGold Corporation.

MEND (2009). Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. MEND Report 1.20.1. CANMET- Mining and Mineral Sciences Laboratories Smithers, BC, Canada.

MEND (2006). Updated on Cold Temperature Effects on Geochemical Weathering. MEND Report 1.61.6. Ottawa, ON Canada.

Neil, C. W., Yang, Y. J., Schupp, D., & Jun, Y.-S. (2015). Water chemistry impacts on arsenic mobilization from arsenopyrite dissolution and secondary mineral precipitation: Implications for managed aquifer recharge. Environmental Science & Technology

Nicholson, R. V., Gillham, R. W., Reardon, E. J. (1988). Pyrite oxidation in carbonate-buffered solution: 1. Experimental kinetics. Geochimica Et Cosmochimica Acta 52(5): 1077–1085.

Rescan Environmental Services Ltd. (2013). Seabridge Gold Inc. Application for an Environmental Assessment Certificate (Report No. 868-016). Prepared for Seabridge Gold Inc.

Stantec. (2017). Technical data report: Hardrock Project – Water balance and water quality model (Report No. 160961111). Prepared for Greenstone Gold Mines GP Inc.

Stockwell, J., Smith, L., Jambor, J. L., and Beckie, R. (2006). The relationship between fluid flow and mineral weathering in heterogeneous unsaturated porous media: A physical and geochemical characterization of a waste rock pile. Applied Geochemistry 21(8), 1347–1361.

Wang, S., Yang, Y., Luo, Y., Rivera, A. (2013). Spatial and seasonal variations in evapotranspiration over Canada's landmass. Hydrology and Earth System Sciences 17: 3561–3575.

Annexe A : Certificats d'analyse

Annexe B : Résultats des bilan acide-bases

Annexe C : Résultats des essais de lixiviation

Annexe D : Données des essais cinétiques

Annexe E : Résultats de la simulation de modélisation


VISION
GEOCHEMISTRY

Annexe A : Certificats d'analyse

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

25-January-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 23 November 2022
LR Report: **CA11022-NOV22**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 1	6: 2	7: 3	8: 4	9: 5	10: 6	11: 7
Sample Date & Time			N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	12-Jan-23	14:48	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	12-Jan-23	14:48	1	1	1	1	1	1	1
Ext Volume [mL]	12-Jan-23	14:48	400	400	400	400	400	400	400
Final pH [no unit]	12-Jan-23	14:48	9.45	9.25	9.51	9.57	9.47	9.51	9.53
pH [No unit]	18-Jan-23	10:47	8.40	8.01	8.31	8.49	8.22	7.76	8.49
Alkalinity [mg/L as CaCO3]	18-Jan-23	10:47	22	20	25	16	20	22	23
Conductivity [uS/cm]	18-Jan-23	10:47	58	60	54	41	59	47	56
Acidity [mg/L as CaCO3]	18-Jan-23	10:47	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	24-Jan-23	14:59	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	17-Jan-23	17:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	18-Jan-23	17:04	0.933	0.815	1.03	0.797	0.729	0.976	0.849
As [mg/L]	18-Jan-23	17:04	0.0010	0.0100	0.0011	0.0139	0.119	0.0005	0.0069
Ag [mg/L]	19-Jan-23	16:43	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	18-Jan-23	17:04	0.00374	0.00119	0.00191	0.00020	0.00073	0.00027	0.00034
Be [mg/L]	18-Jan-23	17:04	< 0.000007	< 0.000007	< 0.000007	0.000011	< 0.000007	< 0.000007	0.000007
B [mg/L]	18-Jan-23	17:04	0.007	0.010	0.003	0.005	0.010	< 0.002	0.005

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 1	6: 2	7: 3	8: 4	9: 5	10: 6	11: 7
Bi [mg/L]	18-Jan-23	17:04	0.00002	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	18-Jan-23	17:05	6.11	7.10	7.89	4.99	7.84	8.02	7.90
Cd [mg/L]	18-Jan-23	17:05	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	18-Jan-23	17:05	0.000026	0.000037	0.000014	0.000061	0.000035	0.000007	0.000025
Cr [mg/L]	18-Jan-23	17:05	0.00025	0.00028	< 0.00008	0.00048	0.00037	0.00024	< 0.00008
Cu [mg/L]	18-Jan-23	17:05	0.0002	0.0002	0.0002	0.0008	0.0002	< 0.0002	0.0003
Fe [mg/L]	18-Jan-23	17:05	0.028	0.047	0.016	0.069	0.023	< 0.007	0.011
K [mg/L]	18-Jan-23	17:05	6.04	2.50	1.33	0.474	1.22	0.254	0.868
Li [mg/L]	18-Jan-23	17:05	0.0504	0.0421	0.0189	0.0252	0.0852	0.0118	0.0147
Mg [mg/L]	18-Jan-23	17:05	0.575	0.955	0.720	1.18	1.04	0.696	0.931
Mn [mg/L]	18-Jan-23	17:05	0.00114	0.00121	0.00109	0.00173	0.00135	0.00141	0.00074
Mo [mg/L]	18-Jan-23	17:05	0.00011	0.00058	0.00014	0.00025	0.00013	0.00020	0.00049
Na [mg/L]	18-Jan-23	17:05	0.79	1.70	1.05	1.19	0.91	0.77	1.48
Ni [mg/L]	18-Jan-23	17:06	0.0002	0.0003	0.0001	0.0002	0.0003	< 0.0001	0.0002
P [mg/L]	18-Jan-23	17:06	0.012	0.009	0.008	0.017	0.013	0.012	0.008
Pb [mg/L]	18-Jan-23	17:06	< 0.00009	< 0.00009	< 0.00009	0.00021	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	18-Jan-23	17:06	< 0.0009	0.0051	< 0.0009	0.0017	0.0334	< 0.0009	0.0038
Se [mg/L]	18-Jan-23	17:06	0.00008	0.00037	0.00012	< 0.00004	0.00014	0.00010	0.00034
Si [mg/L]	18-Jan-23	17:06	2.04	1.90	2.34	3.01	2.08	2.06	2.36
Sn [mg/L]	18-Jan-23	17:06	< 0.00006	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	18-Jan-23	17:06	0.0123	0.0172	0.00823	0.00474	0.0129	0.00825	0.0124
Ti [mg/L]	18-Jan-23	17:06	0.00196	0.00197	0.00050	0.00202	0.00064	0.00007	0.00026
Tl [mg/L]	18-Jan-23	17:06	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000030	< 0.000005	< 0.000005
U [mg/L]	18-Jan-23	17:06	< 0.000002	0.000008	0.000006	0.000029	0.000003	0.000039	0.000030
V [mg/L]	18-Jan-23	17:06	0.00619	0.00405	0.00787	0.00423	0.00406	0.00570	0.00662
Zn [mg/L]	18-Jan-23	17:06	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	12: 8	13: 9	14: 10	15: 11	16: 12	17: 13	18: 14	19: 15	20: 16
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
Final pH [no unit]	9.57	9.66	9.44	9.66	9.64	9.59	9.61	9.62	9.10
pH [No unit]	8.42	8.66	8.21	8.54	8.66	8.07	8.32	8.44	7.80
Alkalinity [mg/L as CaCO3]	21	21	16	21	21	22	21	22	21
Conductivity [uS/cm]	53	51	51	50	52	56	56	53	85
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	1.10	1.13	0.855	0.954	1.14	0.758	0.858	1.03	0.662
As [mg/L]	0.0007	0.0009	0.0063	0.0136	0.0027	0.0228	0.0282	0.0026	0.0009
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00021	0.00017	0.00036	0.00036	0.00027	0.00023	0.00019	0.00039	0.00400
Be [mg/L]	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	0.000016	0.000007	< 0.000007	< 0.000007
B [mg/L]	0.005	0.003	0.008	0.012	0.006	0.011	0.005	0.010	0.004
Bi [mg/L]	0.00002	0.00002	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	0.00001
Ca [mg/L]	7.55	7.66	7.35	7.28	7.94	7.01	7.09	7.36	11.1
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000004
Co [mg/L]	0.000061	0.000042	0.000034	0.000014	0.000035	0.000013	0.000013	0.000008	0.000037
Cr [mg/L]	0.00030	0.00025	0.00009	< 0.00008	0.00019	0.00008	0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0004	0.0003	0.0003	< 0.0002	0.0004	0.0003	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	0.080	0.055	0.066	0.010	0.026	0.013	0.010	< 0.007	0.024
K [mg/L]	0.199	0.355	0.408	0.523	0.692	0.843	0.197	0.912	3.19
Li [mg/L]	0.0134	0.0017	0.0153	0.0283	0.0048	0.0302	0.0099	0.0103	0.0555
Mg [mg/L]	0.947	0.792	0.849	0.847	0.838	0.659	0.703	0.800	0.789
Mn [mg/L]	0.00185	0.00141	0.00100	0.00055	0.00142	0.00039	0.00051	0.00071	0.00387
Mo [mg/L]	0.00014	0.00010	0.00031	0.00012	0.00027	0.00017	0.00044	0.00016	0.00079

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	12: 8	13: 9	14: 10	15: 11	16: 12	17: 13	18: 14	19: 15	20: 16
Na [mg/L]	1.50	1.12	1.07	0.91	1.14	2.04	2.63	1.22	1.55
Ni [mg/L]	0.0003	0.0003	0.0002	< 0.0001	0.0005	0.0001	0.0001	0.0001	0.0004
P [mg/L]	0.011	0.014	0.021	0.006	0.010	0.008	0.006	0.005	0.009
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00074
Sb [mg/L]	< 0.0009	< 0.0009	0.0056	0.0099	0.0012	0.0062	0.0052	0.0015	0.0039
Se [mg/L]	0.00014	0.00007	0.00027	0.00011	0.00016	0.00005	0.00008	0.00019	0.00028
Si [mg/L]	2.58	2.86	2.18	2.49	2.69	2.24	2.59	2.39	1.33
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00734	0.00405	0.00734	0.00882	0.0105	0.0296	0.00868	0.00909	0.0149
Ti [mg/L]	0.00306	0.00209	0.00217	0.00031	0.00084	0.00069	0.00040	0.00019	0.00095
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000009	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000020	0.000002	0.000013	0.000002	0.000023	0.000005	0.000004	0.000031	0.000011
V [mg/L]	0.00507	0.00578	0.00483	0.00515	0.00623	0.00867	0.00968	0.00599	0.00061
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	21: 17	22: 18	23: 19	24: 20	25: 21	26: 22	27: 23	28: 24	29: 25
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
Final pH [no unit]	8.42	9.35	9.47	7.71	9.57	9.52	8.26	9.53	9.32
pH [No unit]	7.88	8.19	7.91	7.66	8.23	8.35	7.73	8.19	8.44
Alkalinity [mg/L as CaCO3]	22	21	21	26	24	23	17	22	20
Conductivity [uS/cm]	92	57	54	196	54	54	131	52	53
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003206820

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	21: 17	22: 18	23: 19	24: 20	25: 21	26: 22	27: 23	28: 24	29: 25
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.601	0.987	1.14	0.010	0.880	0.627	0.028	1.15	0.542
As [mg/L]	0.0014	0.0245	0.0011	0.0002	0.0266	0.101	0.0004	0.0025	0.0239
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00456	0.00057	0.00036	0.08432	0.00531	0.00021	0.00494	0.01002	0.00816
Be [mg/L]	< 0.000007	0.000008	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.003	0.006	0.003	0.004	0.006	0.006	0.006	0.003	0.062
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001
Ca [mg/L]	11.6	7.82	8.05	26.7	7.12	7.30	17.8	6.10	5.53
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000037	0.000034	0.000044	0.000514	0.000011	0.000015	0.000397	0.000027	0.000024
Cr [mg/L]	0.00013	0.00021	0.00040	< 0.00008	0.00014	0.00026	< 0.00008	0.00011	0.00084
Cu [mg/L]	< 0.0002	< 0.0002	0.0007	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0003	< 0.0002
Fe [mg/L]	0.024	0.034	0.034	< 0.007	0.008	0.013	< 0.007	0.065	0.024
K [mg/L]	4.82	1.24	0.192	10.5	2.45	0.369	2.70	3.47	5.28
Li [mg/L]	0.0353	0.0238	0.0045	0.0637	0.0108	0.0328	0.0367	0.0089	0.0308
Mg [mg/L]	0.770	0.876	0.625	1.35	0.823	1.08	2.22	0.489	0.840
Mn [mg/L]	0.00222	0.00097	0.00170	0.03580	0.00056	0.00043	0.04418	0.00093	0.00044
Mo [mg/L]	0.00037	0.00072	0.00019	0.00029	0.00017	0.00048	0.00134	0.00031	0.00054
Na [mg/L]	1.16	1.29	1.41	0.96	0.84	1.87	1.62	1.50	0.54
Ni [mg/L]	0.0005	0.0002	0.0004	0.0046	0.0001	0.0002	0.0036	0.0002	0.0002
P [mg/L]	0.006	0.006	0.008	0.004	0.009	0.020	0.003	0.024	0.011
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0172	0.0087	< 0.0009	< 0.0009	< 0.0009	0.0083	0.0036	< 0.0009	0.0016
Se [mg/L]	0.00005	0.00031	0.00010	0.00018	0.00009	0.00005	0.00024	< 0.00004	< 0.00004
Si [mg/L]	1.35	2.60	2.90	1.19	2.57	2.28	1.28	2.16	2.59
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0146	0.0112	0.00970	0.0200	0.0133	0.0150	0.0213	0.0133	0.0125
Ti [mg/L]	0.00089	0.00106	0.00166	0.00005	0.00028	0.00056	0.00008	0.00241	0.00138

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	21: 17	22: 18	23: 19	24: 20	25: 21	26: 22	27: 23	28: 24	29: 25
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000007
U [mg/L]	0.000004	0.000025	0.000004	0.000003	0.000010	0.000008	0.000020	0.000057	0.000015
V [mg/L]	0.00072	0.00688	0.00596	0.00002	0.00490	0.00592	0.00005	0.00380	0.00338
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	30: 26	31: 27	32: 31	33: 32	34: 33	35: 34	36: 35	37: 36	38: 37
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
Final pH [no unit]	9.51	9.33	9.44	9.60	9.51	9.49	9.57	9.46	9.24
pH [No unit]	8.43	8.07	8.02	8.29	8.28	7.91	7.88	8.44	7.87
Alkalinity [mg/L as CaCO3]	21	23	20	23	22	22	23	25	25
Conductivity [uS/cm]	50	67	52	52	53	50	50	55	66
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00011	< 0.00001	0.00002	< 0.00001	< 0.00001
Al [mg/L]	1.04	0.712	1.20	0.926	0.891	1.12	1.05	0.078	0.799
As [mg/L]	0.0013	0.0096	0.0451	0.0024	0.0038	0.0523	0.0095	0.343	0.819
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00056	0.00043	0.00148	0.00100	0.00122	0.00134	0.00285	0.00259	0.00057
Be [mg/L]	< 0.000007	< 0.000007	0.000011	< 0.000007	< 0.000007	0.000008	< 0.000007	< 0.000007	0.000013
B [mg/L]	0.007	0.010	0.011	0.003	0.005	0.009	0.005	0.076	0.094
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	7.38	9.18	5.39	7.62	7.89	5.67	5.34	6.85	10.5
Cd [mg/L]	< 0.000003	0.000008	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	30: 26	31: 27	32: 31	33: 32	34: 33	35: 34	36: 35	37: 36	38: 37
Co [mg/L]	0.000014	0.000021	0.000034	0.000014	0.000007	0.000039	0.000018	0.000020	0.000021
Cr [mg/L]	0.00022	0.00018	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00011	0.00388	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0007	< 0.0002	< 0.0002
Fe [mg/L]	0.037	0.016	0.051	0.017	0.008	0.047	0.038	< 0.007	< 0.007
K [mg/L]	0.586	0.693	5.09	0.881	1.14	4.78	6.01	0.660	2.22
Li [mg/L]	0.0248	0.0102	0.109	0.0084	0.0196	0.133	0.0814	0.0190	0.0739
Mg [mg/L]	0.851	0.760	0.394	0.822	0.661	0.355	0.425	2.42	0.692
Mn [mg/L]	0.00079	0.00098	0.00172	0.00078	0.00080	0.00153	0.00123	0.00020	0.00140
Mo [mg/L]	0.00045	0.00042	0.00037	0.00038	0.00043	0.00029	0.00023	0.00032	0.00310
Na [mg/L]	1.00	2.60	1.25	1.17	1.21	1.13	0.83	0.81	0.73
Ni [mg/L]	0.0002	0.0002	0.0002	< 0.0001	0.0001	0.0003	0.0001	0.0003	0.0004
P [mg/L]	0.007	0.012	0.032	0.009	0.009	0.019	0.022	0.008	0.023
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0014	0.0036	0.0061	< 0.0009	0.0017	0.0102	0.0011	0.144	0.156
Se [mg/L]	0.00006	0.00059	< 0.00004	< 0.00004	0.00006	0.00006	0.00007	0.00006	0.00029
Si [mg/L]	2.52	2.39	1.98	2.54	2.09	1.87	2.00	4.61	1.53
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00609	0.0170	0.0167	0.00682	0.00754	0.00769	0.00693	0.0142	0.0115
Ti [mg/L]	0.00051	0.00061	0.00442	0.00042	0.00027	0.00290	0.00287	0.00009	0.00034
Tl [mg/L]	< 0.000005	< 0.000005	0.000127	< 0.000005	< 0.000005	0.000192	< 0.000005	0.000033	0.000195
U [mg/L]	0.000002	0.000041	0.000073	0.000011	0.000008	0.000052	0.000032	< 0.000002	0.000088
V [mg/L]	0.00482	0.00975	0.00541	0.00717	0.00733	0.00305	0.00357	0.00506	0.00367
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	39: 38	40: 39	41: 40	42: 41	43: 42	44: 43	45: 44	46: 45	47: 46
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	39: 38	40: 39	41: 40	42: 41	43: 42	44: 43	45: 44	46: 45	47: 46
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
Final pH [no unit]	8.75	9.14	9.23	9.26	9.00	8.98	9.12	9.23	9.29
pH [No unit]	7.18	7.62	7.76	7.68	7.66	7.78	7.84	7.75	7.82
Alkalinity [mg/L as CaCO3]	6	17	18	16	18	21	21	18	21
Conductivity [uS/cm]	27	55	51	51	72	78	45	45	48
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.285	0.672	0.838	0.686	0.600	0.738	0.929	0.906	0.956
As [mg/L]	0.0047	0.0392	0.0094	0.0018	0.0014	0.0010	0.0039	0.0014	0.0019
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00064	0.00095	0.00107	0.00091	0.00106	0.00198	0.00209	0.00238	0.00294
Be [mg/L]	0.000060	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000042	< 0.000007	< 0.000007
B [mg/L]	0.007	0.005	0.009	0.009	0.006	0.011	0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.00	7.49	7.32	6.43	10.4	10.1	6.80	6.38	6.47
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000032	0.000020	0.000018	0.000017	0.000020	0.000012	0.000018	0.000027	0.000018
Cr [mg/L]	< 0.00008	0.00012	0.00008	< 0.00008	< 0.00008	< 0.00008	0.00015	0.00023	0.00011
Cu [mg/L]	0.0003	< 0.0002	< 0.0002	< 0.0002	0.0004	0.0002	0.0003	0.0002	0.0002
Fe [mg/L]	0.042	0.020	0.021	0.016	0.012	0.014	0.015	0.032	0.028
K [mg/L]	1.39	1.96	1.62	2.48	2.61	4.31	2.30	3.29	4.48
Li [mg/L]	0.0485	0.0548	0.0674	0.0278	0.0283	0.0399	0.0299	0.0027	0.0037
Mg [mg/L]	0.374	0.766	0.369	0.532	0.923	0.725	0.177	0.164	0.182
Mn [mg/L]	0.00352	0.00120	0.00107	0.00095	0.00281	0.00109	0.00114	0.00155	0.00134
Mo [mg/L]	0.00072	0.00093	0.00062	0.00068	0.00085	0.00090	0.00035	0.00034	0.00022
Na [mg/L]	2.20	1.55	2.16	2.10	1.73	2.07	1.75	1.51	1.41

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003206820

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	39: 38	40: 39	41: 40	42: 41	43: 42	44: 43	45: 44	46: 45	47: 46
Ni [mg/L]	0.0001	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
P [mg/L]	0.012	0.008	0.006	0.007	0.006	0.007	0.024	0.030	0.021
Pb [mg/L]	< 0.00009	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0026	0.0223	0.0165	< 0.0009	0.0010	< 0.0009	< 0.0009	< 0.0009	< 0.0009
Se [mg/L]	0.00006	0.00023	0.00005	0.00005	0.00008	0.00006	< 0.00004	< 0.00004	< 0.00004
Si [mg/L]	1.33	1.81	1.65	1.89	1.43	1.44	2.22	2.19	2.12
Sn [mg/L]	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00734	0.0131	0.0120	0.0140	0.0184	0.0207	0.0102	0.0116	0.0120
Ti [mg/L]	0.00238	0.00091	0.00128	0.00083	0.00080	0.00071	0.00163	0.00278	0.00228
Tl [mg/L]	0.000039	0.000021	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000018	0.000003	0.000049	< 0.000002	< 0.000002	< 0.000002	0.000237	0.000273	0.000282
V [mg/L]	0.00125	0.00294	0.00280	0.00229	0.00085	0.00147	0.00485	0.00502	0.00505
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	48: 47	49: 49	50: 50	51: 51	52: 52	53: 53	54: 55	55: 56	56: 57
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
Final pH [no unit]	9.10	9.10	8.97	8.89	9.25	9.35	9.32	9.44	9.43
pH [No unit]	7.67	7.82	7.73	7.73	8.00	7.84	7.88	8.44	7.77
Alkalinity [mg/L as CaCO3]	17	21	22	13	22	21	21	23	21
Conductivity [uS/cm]	53	49	73	48	50	54	49	50	51
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	48: 47	49: 49	50: 50	51: 51	52: 52	53: 53	54: 55	55: 56	56: 57
Al [mg/L]	0.703	0.895	0.788	0.641	0.874	0.768	0.261	0.688	0.470
As [mg/L]	0.0023	0.0194	0.0621	0.0085	0.0024	0.870	0.0809	0.0080	0.0024
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00478	0.00109	0.00090	0.00081	0.00128	0.00772	0.00318	0.00304	0.00563
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.002	0.010	0.004	0.003	0.005	0.002	0.002	0.007	0.006
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.26	4.73	8.93	6.17	7.49	6.34	7.33	6.95	7.14
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000045	0.000025	0.000056	0.000018	0.000011	0.000011	0.000019	0.000013	0.000018
Cr [mg/L]	0.00008	< 0.00008	0.00008	< 0.00008	0.00008	< 0.00008	0.00141	< 0.00008	0.00015
Cu [mg/L]	< 0.0002	0.0004	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0003	< 0.0002
Fe [mg/L]	0.051	0.045	0.011	0.014	0.019	0.027	0.008	< 0.007	0.019
K [mg/L]	4.81	6.49	4.48	1.66	2.84	5.94	0.824	3.81	3.31
Li [mg/L]	0.0108	0.207	0.0800	0.0363	0.0368	0.0324	0.0077	0.0267	0.0301
Mg [mg/L]	0.532	0.435	0.587	0.597	0.535	0.359	1.51	0.696	0.802
Mn [mg/L]	0.00185	0.00150	0.00117	0.00250	0.00138	0.00172	0.00049	0.00080	0.00084
Mo [mg/L]	0.00056	0.00027	0.00169	0.00086	0.00060	0.00034	0.00028	0.00019	0.00031
Na [mg/L]	1.42	0.89	1.56	2.20	1.18	0.94	0.52	0.83	0.98
Ni [mg/L]	0.0002	0.0002	0.0004	0.0002	0.0002	0.0001	0.0003	0.0002	0.0002
P [mg/L]	0.012	0.013	0.006	0.012	0.012	0.016	0.007	0.005	0.009
Pb [mg/L]	0.00013	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0054	0.0733	0.0030	0.0011	< 0.0009	0.0011	< 0.0009	< 0.0009
Se [mg/L]	0.00036	< 0.00004	0.00133	0.00021	0.00004	< 0.00004	0.00005	0.00011	0.00008
Si [mg/L]	1.70	1.81	1.41	1.73	2.00	1.70	3.29	2.61	2.29
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00622	0.0108	0.00740	0.00954	0.0102	0.00856	0.00521	0.0103	0.0151
Ti [mg/L]	0.00402	0.00317	0.00098	0.00100	0.00112	0.00178	0.00020	0.00020	0.00070
Tl [mg/L]	< 0.000005	0.000375	0.000042	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000012

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	48: 47	49: 49	50: 50	51: 51	52: 52	53: 53	54: 55	55: 56	56: 57
U [mg/L]	0.000044	0.000012	0.000066	0.000003	0.000053	0.000036	< 0.000002	0.000017	< 0.000002
V [mg/L]	0.00192	0.00372	0.00188	0.00288	0.00279	0.00337	0.00385	0.00611	0.00472
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	57: 58	58: 59	59: 60	60: 61	61: 62	62: 63	63: 64	64: 65	65: 66
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
Final pH [no unit]	9.53	9.27	9.53	9.42	9.47	8.83	8.80	8.55	8.24
pH [No unit]	8.25	8.65	9.15	8.14	9.01	7.99	7.58	7.64	7.24
Alkalinity [mg/L as CaCO3]	26	23	32	22	42	16	13	9	7
Conductivity [uS/cm]	59	52	64	49	61	43	37	28	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.042	0.162	0.013	0.125	0.010	0.675	0.721	0.442	0.311
As [mg/L]	0.300	0.173	0.241	0.0266	1.17	0.0571	0.0708	0.0437	0.0501
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00052	0.00029	0.00098	0.00022	0.00083	0.00018	0.00051	0.00126	0.00022
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000187	0.000090	0.000066	0.000123
B [mg/L]	0.027	0.005	0.016	0.065	0.012	0.020	0.009	0.006	0.007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00133	< 0.00001	0.00022	0.00006
Ca [mg/L]	7.35	7.10	6.46	7.46	7.93	5.86	4.23	3.44	2.26
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000016	0.000022	0.000016	0.000008	0.000030	0.000015	0.000008	0.000020	0.000039

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	57: 58	58: 59	59: 60	60: 61	61: 62	62: 63	63: 64	64: 65	65: 66
Cr [mg/L]	0.00293	0.00326	0.00261	0.00037	0.00278	0.00017	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002	< 0.0002	0.0002	0.0002
Fe [mg/L]	< 0.007	0.016	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.455	0.394	1.70	0.319	0.333	2.49	3.79	2.92	2.26
Li [mg/L]	0.0099	0.0141	0.0295	0.0025	0.0018	0.0090	0.0629	0.0242	0.0172
Mg [mg/L]	3.18	2.19	4.85	1.80	3.60	0.114	0.139	0.082	0.063
Mn [mg/L]	0.00018	0.00065	0.00044	0.00041	0.00036	0.00383	0.00914	0.01122	0.00675
Mo [mg/L]	0.00017	0.00019	0.00034	0.00028	0.00061	0.00126	0.00042	0.00078	0.00056
Na [mg/L]	0.81	0.79	0.31	0.49	0.18	2.30	1.01	0.91	1.44
Ni [mg/L]	0.0004	0.0003	0.0006	0.0002	0.0009	0.0002	0.0002	0.0002	0.0003
P [mg/L]	0.012	0.009	0.007	0.005	0.010	0.045	0.092	0.080	0.063
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0818	0.0043	0.124	0.0100	0.380	0.0062	0.0060	0.0051	0.0042
Se [mg/L]	0.00007	0.00020	< 0.00004	< 0.00004	0.00010	0.00009	< 0.00004	< 0.00004	< 0.00004
Si [mg/L]	5.07	3.98	6.03	2.49	5.62	2.62	2.09	1.55	1.22
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00013	0.00006	0.00010
Sr [mg/L]	0.0188	0.0303	0.0112	0.0215	0.00811	0.00526	0.00378	0.00480	0.00281
Ti [mg/L]	< 0.00005	0.00027	< 0.00005	< 0.00005	< 0.00005	0.00005	0.00016	0.00007	0.00008
Tl [mg/L]	0.000017	< 0.000005	0.000201	< 0.000005	0.000011	0.000136	0.000375	0.000245	0.000216
U [mg/L]	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000012	0.00343	0.000937	0.000428	0.000443
V [mg/L]	0.00432	0.00716	0.00270	0.00340	0.00411	0.00047	0.00010	0.00011	0.00016
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	66: 67	67: 69	68: 70	69: 73	70: 74	71: 75	72: 76	73: 77	74: 79	75: 80
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003206820

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	66: 67	67: 69	68: 70	69: 73	70: 74	71: 75	72: 76	73: 77	74: 79	75: 80
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
Final pH [no unit]	7.23	9.30	9.00	8.41	8.01	8.94	9.15	8.12	7.82	8.43
pH [No unit]	7.05	7.50	7.69	6.87	7.04	7.81	7.78	7.37	7.08	7.35
Alkalinity [mg/L as CaCO3]	4	16	17	6	5	13	21	10	8	13
Conductivity [uS/cm]	19	52	46	22	20	32	48	27	26	36
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.164	0.754	0.529	0.218	0.131	0.716	0.803	0.505	0.419	0.559
As [mg/L]	0.0091	0.0301	0.0314	0.0225	0.128	0.0626	0.0139	0.0219	0.0199	0.0532
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00016	0.00024	0.00025	0.00038	0.00015	0.00016	0.00039	0.00028	0.00025	0.00033
Be [mg/L]	0.000080	0.000546	0.000545	0.000038	0.000032	0.000238	0.000122	0.000180	0.000095	0.000175
B [mg/L]	0.005	0.016	0.007	0.007	0.009	0.009	0.011	0.009	0.004	0.014
Bi [mg/L]	0.00026	0.00080	0.00016	0.00006	< 0.00001	0.00619	0.00057	0.00018	0.00021	0.00079
Ca [mg/L]	1.20	6.34	7.09	2.00	1.30	5.48	6.01	3.34	2.86	4.32
Cd [mg/L]	< 0.000003	< 0.000003	0.000031	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000039	0.000016	0.000083	0.000022	0.000008	0.000006	0.000026	0.000007	0.000040	0.000073
Cr [mg/L]	0.00012	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00030	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0003	0.0036	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	< 0.007	0.007	0.010	< 0.007	< 0.007	< 0.007	0.012	< 0.007	0.008	0.017
K [mg/L]	2.80	0.987	0.922	2.69	2.40	1.18	3.12	1.81	3.51	3.48
Li [mg/L]	0.0055	0.0394	0.0186	0.0630	0.169	0.141	0.159	0.366	0.0598	0.0493
Mg [mg/L]	0.054	0.164	0.249	0.022	0.031	0.072	0.278	0.098	0.103	0.302
Mn [mg/L]	0.00566	0.00207	0.00329	0.01980	0.04757	0.02445	0.00259	0.06045	0.01085	0.00948
Mo [mg/L]	0.00055	0.00073	0.00088	0.00062	0.00052	0.00030	0.00090	0.00042	0.00035	0.00045
Na [mg/L]	1.23	2.82	2.26	0.92	0.90	1.41	1.75	0.93	0.87	1.57
Ni [mg/L]	0.0004	0.0003	0.0003	0.0004	0.0002	0.0002	0.0003	0.0002	0.0003	0.0004

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	66: 67	67: 69	68: 70	69: 73	70: 74	71: 75	72: 76	73: 77	74: 79	75: 80
P [mg/L]	0.070	0.061	0.052	0.029	0.109	0.050	0.070	0.203	0.071	0.069
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00011	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0018	0.0039	0.0057	0.0060	0.0241	0.0125	0.0027	0.0050	0.0024	0.0076
Se [mg/L]	< 0.00004	0.00006	0.00077	< 0.00004	< 0.00004	< 0.00004	0.00005	< 0.00004	< 0.00004	0.00010
Si [mg/L]	1.12	2.52	2.35	1.26	1.24	2.21	2.28	1.50	1.56	1.78
Sn [mg/L]	< 0.00006	0.00011	0.00011	0.00009	0.00016	0.00006	0.00021	0.00018	0.00012	0.00018
Sr [mg/L]	0.00231	0.00926	0.0103	0.00358	0.00136	0.00794	0.0100	0.00568	0.00421	0.00560
Ti [mg/L]	0.00006	0.00007	0.00006	0.00021	0.00018	0.00010	0.00012	0.00017	0.00019	0.00027
Tl [mg/L]	0.000277	0.000057	0.000070	0.000182	0.000419	0.000157	0.000156	0.000251	0.000242	0.000190
U [mg/L]	0.000073	0.002184	0.001253	0.000411	0.000071	0.00107	0.000340	0.000099	0.000198	0.000171
V [mg/L]	0.00011	0.00031	0.00077	0.00006	0.00003	0.00007	0.00024	0.00004	0.00004	0.00059
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	76: 82	77: 20	78:BLK: $SPLP1312 Blank #1	79: 50	80: 69	81:BLK: $SPLP1312 Blank #1
Sample Date & Time	N/A					
Sample weight [g]	20	20	---	20	20	---
Ext Fluid [#1 or #2]	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400
Final pH [no unit]	9.21	7.70	4.21	8.99	9.30	4.21
pH [No unit]	8.05	7.78	4.81	7.92	7.83	4.50
Alkalinity [mg/L as CaCO3]	23	34	< 2	23	17	< 2
Conductivity [uS/cm]	49	196	21	61	38	17
Acidity [mg/L as CaCO3]	< 2	< 2	4	< 2	< 2	4
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	1.23	0.033	0.001	0.762	0.740	0.006

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	76: 82	77: 20	78:BLK: $SPLP1312 Blank #1	79: 50	80: 69	81:BLK: $SPLP1312 Blank #1
As [mg/L]	0.0115	< 0.0002	< 0.0002	0.0702	0.0337	0.0003
Ag [mg/L]	< 0.00005	< 0.00005	---	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00024	0.0670	0.00027	0.00084	0.00033	0.00011
Be [mg/L]	0.000127	< 0.000007	0.000030	0.000007	0.000745	0.000007
B [mg/L]	0.010	0.005	< 0.002	0.004	0.015	< 0.002
Bi [mg/L]	0.00015	< 0.00001	0.00001	0.00032	0.00088	< 0.00001
Ca [mg/L]	5.23	27.1	0.03	9.01	6.58	0.05
Cd [mg/L]	0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000031	0.000159	0.000008	0.000070	0.000012	0.000029
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00009	0.00011	0.00028
Cu [mg/L]	0.0003	< 0.0002	0.0003	< 0.0002	0.0003	0.0013
Fe [mg/L]	0.010	< 0.007	< 0.007	0.013	0.007	< 0.007
K [mg/L]	5.50	10.8	0.042	4.37	0.796	0.117
Li [mg/L]	0.103	0.0664	0.0001	0.0810	0.0342	0.0002
Mg [mg/L]	0.100	1.32	0.005	0.608	0.146	0.005
Mn [mg/L]	0.00281	0.01202	0.00021	0.00134	0.00278	0.00171
Mo [mg/L]	0.00037	0.00063	0.00005	0.00216	0.00082	0.00009
Na [mg/L]	2.72	1.05	< 0.01	1.54	2.60	0.06
Ni [mg/L]	0.0002	0.0016	0.0002	0.0003	0.0002	0.0005
P [mg/L]	0.039	0.003	0.005	0.005	0.080	0.006
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0032	< 0.0009	< 0.0009	0.0812	0.0043	< 0.0009
Se [mg/L]	0.00009	0.00012	0.00007	0.00143	0.00007	< 0.00004
Si [mg/L]	2.62	1.19	< 0.02	1.42	2.60	< 0.02
Sn [mg/L]	0.00027	< 0.00006	< 0.00006	< 0.00006	0.00017	< 0.00006
Sr [mg/L]	0.00302	0.0210	< 0.00008	0.00745	0.00965	0.00017
Ti [mg/L]	0.00032	0.00014	< 0.00005	0.00121	0.00018	< 0.00005
Tl [mg/L]	0.000353	< 0.000005	< 0.000005	0.000048	0.000045	< 0.000005
U [mg/L]	0.007091	0.000003	< 0.000002	0.000240	0.002214	0.000003

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11022-NOV22**

Analysis	76: 82	77: 20	78:BLK: $SPLP1312 Blank #1	79: 50	80: 69	81:BLK: $SPLP1312 Blank #1
V [mg/L]	0.00093	0.00004	< 0.00001	0.00189	0.00030	0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003206820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

30-January-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 23 November 2022
LR Report: **CA11023-NOV22**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Sample weight g	Volume D.I. Water mL	pH No unit	Alkalinity mg/L as CaCO3	Conductivity uS/cm	Acidity mg/L as CaCO3	Cl mg/L	SO4 mg/L	Hg mg/L	Al mg/L	As mg/L	Ag mg/L
3: Analysis Completed Date		20-Jan-23	20-Jan-23	27-Jan-23	27-Jan-23	27-Jan-23	27-Jan-23	27-Jan-23	27-Jan-23	23-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23
4: Analysis Completed Time		15:15	15:15	09:12	09:11	09:10	09:09	10:04	10:04	16:56	12:37	12:37	12:37
5: 1	N/A	100	400	9.08	82	278	< 2	< 20	24	< 0.00001	1.00	0.0298	< 0.00005
6: 2	N/A	100	400	8.07	60	331	< 2	< 20	41	< 0.00001	0.331	0.0815	0.00030
7: 3	N/A	100	400	8.23	52	185	< 2	< 20	< 20	< 0.00001	0.814	0.0099	< 0.00005
8: 4	N/A	100	400	9.55	71	158	< 2	< 20	< 20	< 0.00001	0.734	0.384	< 0.00005
9: 5	N/A	100	400	8.00	55	333	< 2	< 20	53	< 0.00001	0.248	1.02	0.00015
10: 6	N/A	100	400	8.26	40	119	< 2	< 20	< 20	< 0.00001	0.616	0.0028	< 0.00005
11: 7	N/A	100	400	8.27	47	175	< 2	< 20	< 20	< 0.00001	0.309	0.0316	< 0.00005
12: 8	N/A	100	400	8.38	45	157	< 2	< 20	< 20	< 0.00001	0.638	0.0065	< 0.00005
13: 9	N/A	100	400	8.57	34	122	< 2	< 20	< 20	< 0.00001	0.779	0.0193	< 0.00005
14: 10	N/A	100	400	8.06	47	252	< 2	< 20	35	< 0.00001	0.210	0.0143	< 0.00005
15: 11	N/A	100	400	8.66	60	199	< 2	< 20	< 20	< 0.00001	0.513	0.0787	< 0.00005
16: 12	N/A	101	400	8.12	39	188	< 2	< 20	< 20	< 0.00001	0.451	0.0242	< 0.00005
17: 13	N/A	100	400	8.24	53	198	< 2	< 20	< 20	< 0.00001	0.297	0.228	< 0.00005
18: 14	N/A	99	400	8.46	54	233	< 2	24	< 20	< 0.00001	0.397	0.280	< 0.00005
19: 15	N/A	100	400	8.71	44	162	< 2	< 20	< 20	< 0.00001	0.425	0.0301	< 0.00005
20: 16	N/A	100	400	7.95	50	502	< 2	< 20	75	< 0.00001	0.072	0.0018	0.00025
21: 17	N/A	100	400	7.95	56	573	< 2	< 20	94	< 0.00001	0.137	0.0045	0.00028
22: 18	N/A	100	400	8.08	46	255	< 2	< 20	32	< 0.00001	0.241	0.292	< 0.00005
23: 19	N/A	100	400	8.69	41	207	< 2	< 20	< 20	< 0.00001	0.447	0.0266	< 0.00005
24: 20	N/A	100	400	8.07	65	654	< 2	< 20	160	< 0.00001	0.130	0.0010	0.00006

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11023-NOV22**

Sample ID	Sample Date & Time	Sample weight g	Volume D.I. Water mL	pH No unit	Alkalinity mg/L as CaCO3	Conductivity uS/cm	Acidity mg/L as CaCO3	Cl mg/L	SO4 mg/L	Hg mg/L	Al mg/L	As mg/L	Ag mg/L
25: 21	N/A	100	400	8.60	45	141	< 2	< 20	< 20	< 0.00001	0.535	0.609	< 0.00005
26: 22	N/A	100	400	8.15	55	210	< 2	< 20	< 20	0.00003	0.260	1.22	< 0.00005
27: 23	N/A	100	400	8.16	85	836	< 2	< 20	240	0.00002	0.040	0.0025	< 0.00005
28: 24	N/A	100	400	8.41	60	179	< 2	< 20	< 20	< 0.00001	1.07	0.0305	< 0.00005
29: 25	N/A	100	400	8.84	57	185	< 2	< 20	< 20	< 0.00001	0.136	0.879	< 0.00005
30: 26	N/A	100	400	8.60	43	145	< 2	< 20	< 20	< 0.00001	0.773	0.0191	< 0.00005
31: 27	N/A	100	400	8.07	56	333	< 2	20	42	< 0.00001	0.159	0.0256	0.00007
32: 31	N/A	100	400	8.52	89	234	< 2	< 20	< 20	< 0.00001	2.30	0.680	< 0.00005
33: 32	N/A	100	400	8.53	47	114	< 2	< 20	< 20	< 0.00001	0.777	0.0221	< 0.00005
34: 33	N/A	101	400	8.43	60	162	< 2	< 20	< 20	< 0.00001	0.753	0.0178	< 0.00005
35: 34	N/A	100	400	8.44	85	237	< 2	< 20	< 20	< 0.00001	2.94	0.604	< 0.00005
36: 35	N/A	100	400	8.80	89	211	< 2	< 20	< 20	< 0.00001	2.35	0.187	< 0.00005
37: 36	N/A	100	400	8.49	132	353	< 2	< 20	51	< 0.00001	0.007	63.8	< 0.00005
38: 37	N/A	100	400	8.21	68	334	< 2	< 20	41	< 0.00001	0.308	1.13	0.00023
39: 38	N/A	100	400	8.19	58	247	< 2	< 20	22	< 0.00001	0.637	0.0369	< 0.00005
40: 39	N/A	100	400	7.89	65	260	< 2	< 20	43	< 0.00001	0.413	0.146	0.00035
41: 40	N/A	100	400	8.08	75	218	< 2	< 20	20	< 0.00001	1.03	0.0784	< 0.00005
42: 41	N/A	100	400	8.04	65	232	< 2	< 20	36	< 0.00001	0.598	0.0242	0.00007
43: 42	N/A	100	400	7.98	69	429	< 2	< 20	92	< 0.00001	0.262	0.0067	0.00020
44: 43	N/A	100	400	8.02	71	341	< 2	< 20	78	< 0.00001	0.367	0.0068	0.00013
45: 44	N/A	100	400	8.47	83	176	< 2	< 20	< 20	< 0.00001	2.59	0.125	< 0.00005
46: 45	N/A	100	400	8.36	76	173	< 2	< 20	< 20	< 0.00001	2.37	0.0359	< 0.00005
47: 46	N/A	100	400	8.50	85	183	< 2	< 20	< 20	< 0.00001	2.92	0.0575	< 0.00005
48: 47	N/A	100	400	8.02	50	145	< 2	< 20	31	< 0.00001	0.913	0.0172	0.00009
49: 49	N/A	100	400	8.86	96	212	< 2	< 20	< 20	< 0.00001	2.07	0.268	< 0.00005
50: 50	N/A	100	400	8.05	74	417	< 2	< 20	61	< 0.00001	0.266	0.0871	0.00045
51: 51	N/A	100	400	8.04	58	167	< 2	< 20	46	< 0.00001	0.852	0.0381	0.00015
52: 52	N/A	100	400	8.12	86	253	< 2	< 20	25	< 0.00001	0.363	0.0082	0.00006
53: 53	N/A	100	400	8.08	83	278	< 2	< 20	25	< 0.00001	0.561	5.47	< 0.00005
54: 55	N/A	100	400	8.44	47	149	< 2	< 20	< 20	< 0.00001	0.034	3.99	< 0.00005
55: 56	N/A	100	400	8.10	62	183	< 2	< 20	< 20	< 0.00001	0.330	0.199	< 0.00005
56: 57	N/A	100	400	7.84	47	200	< 2	< 20	22	< 0.00001	0.064	0.0080	0.00005
57: 58	N/A	100	400	8.14	119	281	< 2	< 20	37	< 0.00001	0.007	18.0	< 0.00005
58: 59	N/A	100	400	7.99	76	255	< 2	< 20	36	< 0.00001	0.047	3.77	0.00007
59: 60	N/A	100	400	8.59	191	437	< 2	< 20	30	< 0.00001	0.004	40.3	< 0.00005
60: 61	N/A	100	400	8.36	101	219	< 2	< 20	< 20	< 0.00001	0.016	1.60	< 0.00005
61: 62	N/A	100	400	8.08	153	521	< 2	23	58	< 0.00001	0.005	49.4	< 0.00005

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11023-NOV22**

Sample ID	Sample Date & Time	Sample weight g	Volume D.I. Water mL	pH No unit	Alkalinity mg/L as CaCO3	Conductivity uS/cm	Acidity mg/L as CaCO3	Cl mg/L	SO4 mg/L	Hg mg/L	Al mg/L	As mg/L	Ag mg/L
62: 63	N/A	100	400	9.19	104	286	< 2	< 20	< 20	< 0.00001	1.03	0.923	< 0.00005
63: 64	N/A	100	400	8.32	59	125	< 2	< 20	< 20	< 0.00001	3.62	1.83	< 0.00005
64: 65	N/A	100	400	9.69	90	266	< 2	< 20	< 20	< 0.00001	0.789	0.723	< 0.00005
65: 66	N/A	100	400	9.19	73	117	< 2	< 20	< 20	< 0.00001	0.771	1.08	< 0.00005
66: 67	N/A	100	400	9.67	82	267	< 2	22	< 20	< 0.00001	0.570	0.265	< 0.00005
67: 69	N/A	100	400	8.68	93	249	< 2	30	< 20	< 0.00001	1.91	0.850	< 0.00005
68: 70	N/A	100	400	9.31	86	117	< 2	30	< 20	< 0.00001	0.717	0.611	0.00033
69: 73	N/A	100	400	9.19	79	117	< 2	< 20	< 20	< 0.00001	1.61	0.499	< 0.00005
70: 74	N/A	100	400	9.63	96	156	< 2	21	< 20	< 0.00001	2.33	3.30	< 0.00005
71: 75	N/A	100	400	9.77	110	155	< 2	20	< 20	< 0.00001	0.830	1.37	0.00007
72: 76	N/A	100	400	8.23	82	240	< 2	30	< 20	< 0.00001	1.28	0.350	< 0.00005
73: 77	N/A	100	400	8.73	83	179	< 2	29	< 20	< 0.00001	1.61	0.441	< 0.00005
74: 79	N/A	100	400	9.60	93	285	< 2	< 20	< 20	< 0.00001	1.25	0.431	< 0.00005
75: 80	N/A	100	400	7.90	71	145	< 2	< 20	26	< 0.00001	0.751	0.650	0.00025
76: 82	N/A	100	400	8.46	108	214	< 2	< 20	< 20	< 0.00001	5.48	0.132	< 0.00005
77-DUP: 20		100	400	8.08	66	685	< 2	< 20	170	< 0.00001	0.128	0.0011	0.00008
78-BLK: CTEU Blank		---	400	7.19	4	18	< 2	< 20	< 20	< 0.00001	0.003	0.0004	< 0.00005
79-DUP: 56		100	400	8.43	58	223	< 2	< 20	29	< 0.00001	0.325	0.193	< 0.00005
80-BLK: CTEU Blank		---	400	7.20	5	26	< 2	< 20	< 20	< 0.00001	0.005	0.0006	< 0.00005
81-DUP: 37		100	400	8.08	53	222	< 2	< 20	47	< 0.00001	0.496	0.0365	< 0.00005
82-DUP: 63		100	---	9.24	102	308	< 2	23	< 20	< 0.00001	2.79	1.12	< 0.00005

Sample ID	Ba mg/L	Be mg/L	B mg/L	Bi mg/L	Ca mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L
3: Analysis Completed Date	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23
4: Analysis Completed Time	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37
5: 1	0.00562	0.000016	0.104	< 0.00001	2.09	0.000006	0.000183	0.00805	0.0015	0.224	62.5	1.36	0.611
6: 2	0.00441	< 0.000007	0.221	< 0.00001	12.9	0.000004	0.000117	0.00196	0.0012	0.083	21.9	0.771	5.90
7: 3	0.00137	< 0.000007	0.078	< 0.00001	7.37	< 0.000003	0.000029	0.00031	0.0009	0.009	11.6	0.482	2.42
8: 4	0.00081	0.000017	0.112	0.00001	5.70	< 0.000003	0.000303	0.02446	0.0010	0.258	3.28	0.690	2.75
9: 5	0.00443	< 0.000007	0.165	< 0.00001	16.3	< 0.000003	0.000343	0.00367	0.0012	0.032	18.8	2.47	8.76
10: 6	0.00033	0.000007	0.042	< 0.00001	7.18	< 0.000003	0.000014	0.00118	0.0010	< 0.007	1.58	0.464	1.94
11: 7	0.00053	< 0.000007	0.092	< 0.00001	7.61	< 0.000003	0.000018	0.00105	0.0006	0.010	6.13	0.298	2.30
12: 8	0.00047	< 0.000007	0.135	< 0.00001	6.45	< 0.000003	0.000047	0.00224	0.0018	0.057	3.02	0.395	1.83
13: 9	0.00039	< 0.000007	0.065	< 0.00001	8.41	< 0.000003	0.000030	0.00492	0.0009	0.035	0.530	0.0679	2.07
14: 10	0.00086	< 0.000007	0.115	< 0.00001	17.6	< 0.000003	0.000064	0.00027	0.0013	0.043	3.27	0.340	6.49

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003212895

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11023-NOV22

Sample ID	Ba mg/L	Be mg/L	B mg/L	Bi mg/L	Ca mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L
15: 11	0.00072	< 0.000007	0.288	< 0.00001	7.29	0.000004	0.000035	0.00164	0.0004	0.007	6.16	1.03	2.08
16: 12	0.00091	< 0.000007	0.280	< 0.00001	8.55	< 0.000003	0.000020	0.00144	0.0007	< 0.007	9.51	0.146	2.15
17: 13	0.00097	0.000010	0.183	< 0.00001	6.52	< 0.000003	0.000053	0.00437	0.0007	0.031	9.31	0.457	2.46
18: 14	0.00056	< 0.000007	0.110	< 0.00001	6.71	< 0.000003	0.000078	0.00257	0.0003	0.008	1.80	0.116	2.72
19: 15	0.00079	< 0.000007	0.174	< 0.00001	6.32	< 0.000003	0.000025	0.00222	0.0005	< 0.007	8.05	0.247	1.99
20: 16	0.0168	< 0.000007	0.085	0.00001	35.2	0.000315	0.000203	< 0.00008	0.0010	0.012	25.8	1.30	7.75
21: 17	0.0158	< 0.000007	0.093	< 0.00001	44.3	0.000247	0.000320	0.00011	0.0014	0.013	41.5	1.10	9.59
22: 18	0.00202	0.000007	0.157	< 0.00001	13.0	0.000007	0.000142	0.00179	0.0009	0.027	11.1	0.487	4.33
23: 19	0.00054	< 0.000007	0.094	< 0.00001	7.38	< 0.000003	0.000082	0.00262	0.0034	0.022	2.44	0.152	2.28
24: 20	0.0506	< 0.000007	0.067	< 0.00001	60.0	0.000025	0.000502	< 0.00008	0.0009	0.009	44.0	0.592	16.2
25: 21	0.00164	< 0.000007	0.118	< 0.00001	4.87	0.000004	0.000048	0.00938	0.0005	0.008	13.3	0.192	1.86
26: 22	0.00075	0.000012	0.120	< 0.00001	8.19	0.000007	0.000188	0.01168	0.0008	0.093	3.81	0.684	3.74
27: 23	0.0115	< 0.000007	0.128	< 0.00001	92.7	0.000028	0.001248	< 0.00008	0.0007	0.012	12.9	0.467	29.2
28: 24	0.00253	< 0.000007	0.063	< 0.00001	3.93	< 0.000003	0.000076	0.00069	0.0006	0.159	11.0	0.0749	0.918
29: 25	0.00701	< 0.000007	0.913	0.00001	8.58	< 0.000003	0.000310	0.122	0.0024	0.162	20.0	0.178	7.12
30: 26	0.00065	< 0.000007	0.192	< 0.00001	4.72	< 0.000003	0.000015	0.00342	0.0004	0.013	6.77	0.636	1.40
31: 27	0.00140	< 0.000007	0.140	< 0.00001	15.4	0.000007	0.000074	0.00146	0.0006	0.017	6.37	0.116	5.25
32: 31	0.00757	0.000092	0.187	< 0.00001	1.74	0.000006	0.000644	0.00191	0.0011	0.790	37.9	2.28	0.586
33: 32	0.00044	< 0.000007	0.076	< 0.00001	4.51	< 0.000003	0.000014	0.00041	0.0005	0.015	6.01	0.223	1.52
34: 33	0.00096	< 0.000007	0.112	< 0.00001	5.89	< 0.000003	0.000029	0.00027	0.0012	0.008	7.76	0.366	2.08
35: 34	0.0118	0.000200	0.186	0.00002	2.09	0.000020	0.001409	0.00063	0.0015	1.81	40.3	3.31	0.766
36: 35	0.0141	0.000022	0.118	0.00001	1.71	0.000010	0.000872	0.00326	0.0022	1.44	45.3	1.71	0.752
37: 36	0.00937	< 0.000007	0.623	< 0.00001	14.3	< 0.000003	0.000932	0.02574	0.0004	0.012	5.22	0.348	35.5
38: 37	0.00535	0.000028	1.35	< 0.00001	18.8	0.000017	0.000328	0.00053	0.0014	0.009	31.1	1.70	6.66
39: 38	0.00110	0.000228	0.149	0.00002	4.34	0.000011	0.000182	0.00048	0.0012	0.287	11.9	0.739	2.07
40: 39	0.00474	0.000049	0.107	0.00001	9.26	0.000067	0.000215	0.00230	0.0008	0.143	24.1	1.20	5.30
41: 40	0.00189	< 0.000007	0.139	< 0.00001	4.99	< 0.000003	0.000094	0.00064	0.0011	0.123	14.5	0.884	1.23
42: 41	0.00288	0.000008	0.158	< 0.00001	6.70	< 0.000003	0.000063	0.00088	0.0009	0.105	31.8	0.335	3.42
43: 42	0.00471	0.000032	0.151	0.00001	19.5	0.000046	0.000043	0.00034	0.0003	0.023	30.3	0.443	7.78
44: 43	0.00498	0.000055	0.286	0.00001	16.3	0.000033	0.000049	0.00056	0.0004	0.022	35.5	0.408	5.01
45: 44	0.00564	0.000119	0.051	0.00001	1.49	0.000003	0.000238	0.00406	0.0020	0.254	12.5	0.533	0.262
46: 45	0.00309	0.000026	0.034	0.00002	1.81	< 0.000003	0.000090	0.00307	0.0022	0.153	17.3	0.0147	0.301
47: 46	0.00284	0.000011	0.037	< 0.00001	1.70	0.000004	0.000069	0.00251	0.0009	0.142	27.3	0.0226	0.306
48: 47	0.00579	< 0.000007	0.039	0.00002	3.44	0.000009	0.000206	0.00123	0.0014	0.414	33.3	0.141	2.14
49: 49	0.00497	0.000072	0.166	0.00003	1.03	0.000006	0.000793	0.00206	0.0013	0.996	44.8	3.38	0.833
50: 50	0.00561	< 0.000007	0.073	< 0.00001	15.2	0.000106	0.000406	0.00023	0.0025	0.034	46.4	1.55	4.51
51: 51	0.00270	0.000032	0.075	0.00001	5.64	0.000003	0.000225	0.00167	0.0009	0.297	16.0	0.705	3.02

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11023-NOV22

Sample ID	Ba mg/L	Be mg/L	B mg/L	Bi mg/L	Ca mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L
52: 52	0.00437	< 0.000007	0.113	< 0.00001	11.6	0.000005	0.000065	0.00090	0.0004	0.014	32.1	0.432	4.08
53: 53	0.01003	0.000046	0.055	< 0.00001	7.60	< 0.000003	0.000009	0.00049	0.0004	0.033	45.2	0.474	2.29
54: 55	0.00302	< 0.000007	0.041	< 0.00001	8.79	0.000003	0.000079	0.01934	0.0006	0.009	5.69	0.0522	6.82
55: 56	0.00336	< 0.000007	0.123	< 0.00001	4.20	0.000021	0.000029	0.00267	0.0006	0.016	31.8	0.353	1.55
56: 57	0.00651	0.000037	0.126	< 0.00001	9.17	0.000142	0.000061	0.00247	0.0020	< 0.007	19.3	0.372	3.70
57: 58	0.00229	< 0.000007	0.222	< 0.00001	13.0	< 0.000003	0.000956	0.03949	0.0002	< 0.007	4.35	0.0829	34.4
58: 59	0.00230	0.000047	0.039	< 0.00001	14.8	< 0.000003	0.000326	0.01177	0.0026	0.024	5.54	0.160	16.2
59: 60	0.00806	0.000094	0.164	0.00002	12.2	0.000026	0.000441	0.00038	0.0010	< 0.007	14.3	0.281	42.1
60: 61	0.00083	0.000093	1.15	< 0.00001	9.32	0.000035	0.000203	0.00269	0.0006	< 0.007	1.43	0.0240	17.4
61: 62	0.00997	0.000034	0.232	< 0.00001	21.4	0.000039	0.002068	0.00087	0.0022	0.016	2.69	0.0291	41.4
62: 63	0.00100	0.001541	0.653	0.00248	0.60	0.000010	0.000090	0.00726	0.0023	0.064	16.2	0.129	0.150
63: 64	0.00387	0.002100	0.261	0.00006	1.04	< 0.000003	0.000180	0.00393	0.0013	0.120	49.1	1.25	0.290
64: 65	0.00074	0.000295	0.190	0.00070	0.51	0.000003	0.000026	0.00786	0.0017	0.040	43.8	0.310	0.055
65: 66	0.00051	0.000392	0.274	0.00044	0.18	0.000004	0.000130	0.00783	0.0011	0.045	27.0	0.450	0.060
66: 67	0.00061	0.000174	0.170	0.00050	0.21	0.000004	0.000047	0.00814	0.0017	0.038	37.9	0.0883	0.034
67: 69	0.00178	0.014600	0.472	0.00372	0.90	< 0.000003	0.000150	0.0146	0.0029	0.170	4.59	0.642	0.200
68: 70	0.00074	0.003832	0.253	0.00126	0.70	0.000058	0.000521	0.0136	0.0439	0.142	7.88	0.264	0.145
69: 73	0.00089	0.000220	0.221	0.00052	0.21	< 0.000003	0.000070	0.00554	0.0015	0.060	38.9	1.37	0.040
70: 74	0.00083	0.000580	0.331	0.00023	0.30	0.000010	0.000030	0.00227	0.0011	0.070	20.6	4.89	0.280
71: 75	0.00046	0.00173	0.300	0.01030	0.38	0.000004	0.000014	0.00190	0.0010	0.031	9.71	2.90	0.212
72: 76	0.00221	0.00285	0.296	0.00043	1.47	0.000060	0.000100	0.00117	0.0012	0.090	19.4	3.38	0.300
73: 77	0.00086	0.00429	0.224	0.00006	0.85	< 0.000003	0.000040	0.00134	0.0009	0.060	11.6	11.6	0.130
74: 79	0.00111	0.000777	0.191	0.00031	0.50	0.000009	0.000274	0.00524	0.0013	0.588	36.4	1.40	0.332
75: 80	0.00220	0.000935	0.444	0.00030	2.90	0.000015	0.000180	0.00100	0.0017	0.140	33.8	0.955	0.917
76: 82	0.00299	0.00794	0.187	0.00017	1.16	< 0.000003	0.000390	0.00105	0.0022	0.370	25.8	1.22	0.220
77-DUP: 20	0.0518	< 0.000007	0.065	0.00001	60.9	0.000027	0.000475	< 0.00008	0.0010	0.008	45.1	0.718	16.6
78-BLK: CTEU Blank	0.00063	< 0.000007	< 0.002	< 0.00001	0.06	0.000003	0.000006	< 0.00008	0.0003	< 0.007	5.34	0.0002	0.023
79-DUP: 56	0.00362	< 0.000007	0.102	< 0.00001	4.55	< 0.000003	0.000060	0.00346	0.0004	0.040	32.5	0.368	1.51
80-BLK: CTEU Blank	0.00024	< 0.000007	< 0.002	< 0.00001	0.05	< 0.000003	0.000030	0.00086	< 0.0002	0.030	3.78	< 0.0001	< 0.001
81-DUP: 37	0.00129	0.000154	0.170	0.00003	3.75	0.000003	0.000162	0.00050	0.0014	0.209	11.0	0.670	1.41
82-DUP: 63	0.00144	0.00616	0.669	0.00530	0.86	0.000060	0.000170	0.01047	0.0027	0.120	28.4	0.150	0.180

Sample ID	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L
3: Analysis Completed Date	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23
4: Analysis Completed Time	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37	12:37

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11023-NOV22**

Sample ID	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L
5: 1	0.00751	0.00120	9.22	0.0008	0.046	< 0.00009	0.0025	0.00041	3.81	0.00008	0.00415	0.0194	0.000009
6: 2	0.00414	0.00378	25.8	0.0006	0.039	< 0.00009	0.0759	0.00453	2.98	0.00008	0.0406	0.00372	0.000035
7: 3	0.00219	0.00318	16.8	0.0002	0.009	< 0.00009	0.0080	0.00124	2.81	0.00006	0.00987	0.00059	0.000011
8: 4	0.01451	0.00145	20.6	0.0008	0.105	< 0.00009	0.0275	0.00050	9.56	< 0.00006	0.00543	0.00700	0.000021
9: 5	0.00397	0.00120	15.0	0.0016	0.032	< 0.00009	0.589	0.00115	3.42	< 0.00006	0.0278	0.00087	0.000229
10: 6	0.00171	0.00104	11.6	0.0001	0.007	< 0.00009	0.0028	0.00038	3.46	< 0.00006	0.0126	0.00012	< 0.000005
11: 7	0.00215	0.00132	20.1	0.0002	0.029	< 0.00009	0.0605	0.00110	5.02	0.00007	0.0109	0.00035	0.000023
12: 8	0.00128	0.00085	19.2	0.0003	0.033	< 0.00009	0.0094	0.00085	3.98	< 0.00006	0.00788	0.00179	0.000008
13: 9	0.00097	0.00065	12.3	0.0002	0.029	< 0.00009	0.0044	0.00274	4.64	< 0.00006	0.00584	0.00176	< 0.000005
14: 10	0.00477	0.00228	18.2	0.0003	0.039	< 0.00009	0.0761	0.00313	3.57	< 0.00006	0.0168	0.00139	0.000010
15: 11	0.00090	0.00066	24.9	0.0002	0.009	< 0.00009	0.269	0.00051	4.60	0.00007	0.0106	0.00042	0.000019
16: 12	0.00123	0.00232	17.1	0.0002	< 0.003	< 0.00009	0.0419	0.00104	4.13	0.00007	0.0156	0.00029	0.000008
17: 13	0.00114	0.00116	22.1	0.0003	0.008	< 0.00009	0.165	0.00079	3.70	0.00008	0.0209	0.00119	0.000064
18: 14	0.00122	0.00149	34.7	0.0003	0.011	< 0.00009	0.265	0.00172	3.98	0.00010	0.0122	0.00038	0.000022
19: 15	0.00088	0.00100	16.9	0.0002	0.004	< 0.00009	0.0429	0.00168	4.05	< 0.00006	0.0101	0.00021	0.000023
20: 16	0.0488	0.00321	31.3	0.0003	0.007	0.00255	0.0319	0.00064	4.02	0.00018	0.0860	0.00056	0.000022
21: 17	0.0411	0.00278	24.7	0.0006	0.007	0.00010	0.146	0.00022	3.26	< 0.00006	0.0797	0.00038	0.000011
22: 18	0.00715	0.01158	21.3	0.0004	0.013	< 0.00009	0.391	0.00326	3.77	0.00007	0.0215	0.00084	0.000044
23: 19	0.00164	0.00109	29.0	0.0004	0.011	0.00010	0.0081	0.00123	5.16	0.00014	0.0121	0.00057	0.000005
24: 20	0.0269	0.00529	18.2	0.0015	0.006	< 0.00009	0.0043	0.00039	3.03	< 0.00006	0.105	0.00030	0.000006
25: 21	0.00111	0.00111	13.1	0.0003	0.014	< 0.00009	0.0096	0.00059	5.10	0.00009	0.00901	0.00022	0.000007
26: 22	0.00252	0.00477	25.2	0.0009	0.047	0.00015	0.199	0.00097	4.89	0.00012	0.0206	0.00319	0.000045
27: 23	0.128	0.01286	35.4	0.0038	< 0.003	< 0.00009	0.0403	0.00196	4.66	0.00008	0.137	0.00049	0.000020
28: 24	0.00217	0.00223	23.0	0.0003	0.082	< 0.00009	0.0030	0.00053	3.20	0.00008	0.0121	0.00850	0.000008
29: 25	0.00164	0.00268	4.80	0.0029	0.028	< 0.00009	0.0672	0.00077	13.3	0.00007	0.0158	0.00405	0.000030
30: 26	0.00059	0.00163	15.8	0.0002	0.011	< 0.00009	0.0367	0.00038	3.70	< 0.00006	0.00549	0.00039	0.000017
31: 27	0.00452	0.00584	40.3	0.0005	0.019	< 0.00009	0.0289	0.00298	4.42	< 0.00006	0.0343	0.00070	0.000017
32: 31	0.0166	0.00487	13.0	0.0009	0.092	0.00038	0.0985	0.00018	3.58	0.00052	0.0118	0.08936	0.000660
33: 32	0.00071	0.00113	13.0	< 0.0001	0.019	< 0.00009	0.0126	0.00069	3.92	< 0.00006	0.00427	0.00063	0.000014
34: 33	0.00172	0.00194	18.4	0.0002	0.009	< 0.00009	0.0344	0.00111	2.68	0.00007	0.00758	0.00031	0.000021
35: 34	0.0343	0.00412	12.8	0.0021	0.095	0.00225	0.186	0.00083	4.67	0.00055	0.00474	0.144	0.00105
36: 35	0.0262	0.00388	11.3	0.0019	0.114	0.00069	0.0136	0.00077	4.67	0.00009	0.00357	0.112	0.000041
37: 36	0.00074	0.00083	5.86	0.0728	0.017	< 0.00009	9.76	0.00065	24.1	0.00007	0.0280	0.00074	0.000161
38: 37	0.00773	0.02313	13.7	0.0014	0.012	< 0.00009	3.07	0.00143	2.75	0.00012	0.0314	0.00073	0.00182
39: 38	0.00795	0.00525	37.6	0.0020	0.030	< 0.00009	0.0394	0.00026	3.49	0.00032	0.0139	0.01768	0.000191
40: 39	0.00654	0.00836	23.1	0.0009	0.032	0.00050	0.265	0.00214	2.76	0.00008	0.0279	0.00658	0.000142
41: 40	0.00343	0.00316	41.8	0.0011	0.012	< 0.00009	0.219	0.00045	2.11	< 0.00006	0.0135	0.00778	0.000008

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L
42: 41	0.00324	0.00326	27.7	0.0004	0.006	< 0.00009	0.0097	0.00031	3.15	< 0.00006	0.0230	0.00616	< 0.000005
43: 42	0.0121	0.00305	28.4	0.0002	0.011	< 0.00009	0.0136	0.00080	2.46	0.00007	0.0555	0.00118	0.000024
44: 43	0.00649	0.00206	26.7	0.0003	0.013	< 0.00009	0.0092	0.00062	2.15	< 0.00006	0.0509	0.00170	0.000061
45: 44	0.00489	0.00221	39.2	0.0007	0.112	0.00025	0.0086	0.00023	3.68	< 0.00006	0.00455	0.0189	0.000060
46: 45	0.00237	0.00171	31.7	0.0004	0.091	0.00010	0.0017	0.00018	2.81	< 0.00006	0.00570	0.0141	0.000010
47: 46	0.00197	0.00223	28.0	0.0002	0.044	< 0.00009	0.0011	0.00026	1.95	< 0.00006	0.00505	0.0122	0.000014
48: 47	0.00677	0.00622	31.8	0.0006	0.025	0.00035	0.0032	0.00243	2.27	< 0.00006	0.00566	0.0287	0.000008
49: 49	0.0198	0.00402	11.4	0.0008	0.029	0.00024	0.0634	0.00008	3.07	0.00047	0.00326	0.0626	0.001572
50: 50	0.0127	0.01565	23.6	0.0005	0.005	< 0.00009	0.761	0.00882	2.52	< 0.00006	0.0258	0.00206	0.000266
51: 51	0.00687	0.00660	49.6	0.0011	0.032	0.00059	0.0353	0.00220	3.45	0.00017	0.0147	0.0165	0.000022
52: 52	0.00574	0.00475	28.4	0.0009	< 0.003	< 0.00009	0.0218	0.00017	2.46	< 0.00006	0.0271	0.00070	< 0.000005
53: 53	0.00273	0.00205	21.2	0.0002	0.037	< 0.00009	0.0049	< 0.00004	2.44	< 0.00006	0.0199	0.00195	0.000009
54: 55	0.00081	0.00298	15.5	0.0009	0.008	< 0.00009	0.0397	0.00017	15.4	< 0.00006	0.0117	0.00023	< 0.000005
55: 56	0.00143	0.00211	13.9	0.0002	0.015	< 0.00009	0.0039	0.00023	4.57	< 0.00006	0.00901	0.00055	0.000008
56: 57	0.00180	0.00223	14.9	0.0003	0.038	< 0.00009	0.0024	0.00284	8.98	< 0.00006	0.0253	0.00267	0.000008
57: 58	0.00104	0.00172	11.4	0.0185	0.012	< 0.00009	3.03	0.00035	14.8	< 0.00006	0.0495	0.00009	0.000062
58: 59	0.00194	0.00149	13.4	0.0031	0.034	< 0.00009	0.0967	0.00178	7.61	< 0.00006	0.0818	0.00036	0.000014
59: 60	0.00145	0.00282	3.44	0.0577	0.024	< 0.00009	15.3	0.00123	16.2	< 0.00006	0.0280	0.00071	0.001059
60: 61	0.00103	0.00252	4.15	0.0020	0.013	< 0.00009	0.900	0.00073	7.98	< 0.00006	0.0435	0.00071	0.000015
61: 62	0.00274	0.00427	3.04	0.113	0.027	< 0.00009	28.8	0.00193	23.3	< 0.00006	0.0309	0.00096	0.000055
62: 63	0.00405	0.00611	49.7	0.0007	0.408	0.00050	0.232	0.00058	7.12	0.00025	0.00106	0.00049	0.000963
63: 64	0.0311	0.00342	20.3	0.0007	1.15	0.00069	0.247	0.00034	12.7	0.00487	0.00197	0.00456	0.00442
64: 65	0.00520	0.00252	20.3	0.0003	0.709	0.00068	0.154	0.00018	8.67	0.00019	0.00125	0.00025	0.00215
65: 66	0.00483	0.00260	30.9	0.0003	0.455	0.00041	0.193	0.00026	6.51	0.00055	0.000645	0.00046	0.00135
66: 67	0.00252	0.00375	26.4	0.0004	0.509	0.00026	0.0521	0.00005	10.4	0.00011	0.000782	0.00023	0.00174
67: 69	0.0248	0.00728	68.0	0.0004	0.770	0.00070	0.117	0.00029	11.8	0.00105	0.00207	0.00223	0.000370
68: 70	0.00451	0.00654	67.2	0.0003	0.418	0.00114	0.188	0.00218	7.11	0.00067	0.00148	0.00056	0.000547
69: 73	0.0108	0.00853	21.0	0.0001	0.350	0.00029	0.124	0.00004	8.90	0.00107	0.00074	0.00147	0.00118
70: 74	0.0279	0.00119	33.6	0.0007	1.70	0.00035	0.683	< 0.00004	12.6	0.00277	0.00074	0.00332	0.00186
71: 75	0.00647	0.00158	49.9	0.0003	0.429	0.00027	0.452	0.00023	10.5	0.00042	0.00082	0.00043	0.000600
72: 76	0.0185	0.00296	41.1	0.0003	0.620	0.00046	0.0768	0.00017	5.83	0.00226	0.00340	0.00177	0.000950
73: 77	0.0336	0.00198	20.3	0.0003	1.10	< 0.00009	0.140	< 0.00004	7.37	0.00208	0.00187	0.00197	0.00100
74: 79	0.0180	0.00249	26.9	0.0005	0.849	0.00054	0.122	0.00007	7.54	0.00093	0.00144	0.0148	0.00179
75: 80	0.00928	0.00274	36.1	0.0007	0.141	0.00042	0.208	0.00067	3.35	0.00102	0.00493	0.00205	0.00137
76: 82	0.0593	0.00215	44.1	0.0003	0.280	0.00059	0.0555	0.00031	10.9	0.01001	0.00237	0.0127	0.00197
77-DUP: 20	0.0324	0.00581	18.7	0.0013	0.006	< 0.00009	0.0023	0.00036	3.14	< 0.00006	0.109	0.00029	0.000008
78-BLK: CTEU Blank	0.00032	0.00008	1.64	0.0001	< 0.003	< 0.00009	< 0.0009	< 0.00004	< 0.02	0.00007	0.00019	0.00011	< 0.000005

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L
79-DUP: 56	0.00127	0.00173	15.9	0.0002	< 0.003	< 0.00009	0.0037	0.00124	4.67	< 0.00006	0.00980	< 0.00005	0.000020
80-BLK: CTEU Blank	0.00022	0.00011	2.09	0.0004	< 0.003	< 0.00009	< 0.0009	0.00040	< 0.02	< 0.00006	0.00016	< 0.00005	0.000030
81-DUP: 37	0.0128	0.00471	28.1	0.0009	0.077	0.00011	0.0499	0.00033	3.32	0.00030	0.0119	0.0134	0.000165
82-DUP: 63	0.01094	0.00787	49.6	0.0007	0.580	0.00063	0.179	0.00052	16.1	0.00118	0.00152	0.00193	0.00151

Sample ID	U mg/L	V mg/L	Zn mg/L
3: Analysis Completed Date	30-Jan-23	30-Jan-23	30-Jan-23
4: Analysis Completed Time	12:37	12:37	12:37
5: 1	0.000052	0.117	< 0.002
6: 2	0.000534	0.00890	< 0.002
7: 3	0.000053	0.0355	< 0.002
8: 4	0.000789	0.0944	< 0.002
9: 5	0.000075	0.0150	< 0.002
10: 6	0.000198	0.0365	< 0.002
11: 7	0.000444	0.0543	< 0.002
12: 8	0.000029	0.0745	< 0.002
13: 9	0.000019	0.0906	< 0.002
14: 10	0.000421	0.0139	< 0.002
15: 11	0.000025	0.0521	< 0.002
16: 12	0.000596	0.0405	< 0.002
17: 13	0.000078	0.0480	< 0.002
18: 14	0.000079	0.0552	< 0.002
19: 15	0.000692	0.0433	< 0.002
20: 16	0.000154	0.00203	0.036
21: 17	0.000087	0.00273	0.013
22: 18	0.000550	0.0243	< 0.002
23: 19	0.000030	0.0582	< 0.002
24: 20	0.000324	0.00094	0.002
25: 21	0.000106	0.0665	< 0.002
26: 22	0.000530	0.0438	< 0.002
27: 23	0.00443	0.00083	0.002
28: 24	0.00142	0.0444	< 0.002
29: 25	0.000266	0.0466	< 0.002
30: 26	0.000013	0.0513	< 0.002
31: 27	0.00147	0.0231	< 0.002

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	U mg/L	V mg/L	Zn mg/L
32: 31	0.00168	0.0700	0.003
33: 32	0.000074	0.0758	< 0.002
34: 33	0.000066	0.0338	< 0.002
35: 34	0.00278	0.0333	0.007
36: 35	0.00198	0.0642	0.005
37: 36	0.000542	0.0362	< 0.002
38: 37	0.00277	0.00925	< 0.002
39: 38	0.00384	0.0105	< 0.002
40: 39	0.00130	0.0103	0.002
41: 40	0.00538	0.0202	< 0.002
42: 41	0.000261	0.0118	< 0.002
43: 42	0.000412	0.00334	< 0.002
44: 43	0.000637	0.00645	< 0.002
45: 44	0.0108	0.113	< 0.002
46: 45	0.00461	0.103	< 0.002
47: 46	0.00578	0.0944	< 0.002
48: 47	0.00426	0.0136	0.004
49: 49	0.00132	0.0464	< 0.002
50: 50	0.00871	0.00444	0.004
51: 51	0.00116	0.0226	< 0.002
52: 52	0.00776	0.00513	< 0.002
53: 53	0.00135	0.0217	< 0.002
54: 55	0.000376	0.0360	< 0.002
55: 56	0.000420	0.0563	< 0.002
56: 57	0.000560	0.0292	< 0.002
57: 58	0.000271	0.00618	< 0.002
58: 59	0.00968	0.0116	< 0.002
59: 60	0.000598	0.00479	< 0.002
60: 61	0.000083	0.00829	< 0.002
61: 62	0.00124	0.00705	< 0.002
62: 63	0.0620	0.00768	< 0.002
63: 64	0.0231	0.00421	0.004
64: 65	0.00475	0.00317	< 0.002
65: 66	0.0269	0.00384	< 0.002
66: 67	0.000963	0.00392	< 0.002
67: 69	0.0694	0.00749	< 0.002
68: 70	0.0271	0.00998	0.005

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11023-NOV22**

Sample ID	U mg/L	V mg/L	Zn mg/L
69: 73	0.0805	0.00283	< 0.002
70: 74	0.0199	0.00239	< 0.002
71: 75	0.0326	0.00279	< 0.002
72: 76	0.0132	0.00273	< 0.002
73: 77	0.0460	0.00119	< 0.002
74: 79	0.0556	0.00280	< 0.002
75: 80	0.0195	0.00608	< 0.002
76: 82	0.111	0.0103	0.011
77-DUP: 20	0.000342	0.00095	< 0.002
78-BLK: CTEU Blank	< 0.000002	0.00003	< 0.002
79-DUP: 56	0.000380	0.05706	< 0.002
80-BLK: CTEU Blank	< 0.000002	< 0.00001	< 0.002
81-DUP: 37	0.00385	0.0112	< 0.002
82-DUP: 63	0.0512	0.0102	< 0.002

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003212895

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA110 ACISOL 1.0

29-December-2022

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 23 November 2022
LR Report: **CA11020-NOV22**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample weight g	Initial pH	Vol H2SO4 mL	H2SO4 Normality t	NP CaCO3/1000 t t	AP CaCO3/1000 t	NNP kg CaCO3/ tonne	Sulphur (total) %	Acid Leachable SO4-S %	Sulphide %	Carbon (total) %	Carbonate (pyro) as %CO3 %
3: Analysis Completed Date	19-Dec-22	19-Dec-22	19-Dec-22	19-Dec-22	19-Dec-22	19-Dec-22	19-Dec-22	05-Dec-22	05-Dec-22	05-Dec-22	01-Dec-22	01-Dec-22
4: Analysis Completed Time	13:31	13:31	13:31	13:31	13:31	13:31	13:31	10:44	10:44	10:44	11:40	11:40
5: 1	2.00	9.96	2.30	1.00	57.5	25.3	32	0.811	0.07	0.74	0.243	0.605
6: 2	2.01	9.64	1.90	1.00	47.3	40.5	6.8	1.30	0.18	1.12	0.662	2.89
7: 3	2.00	9.85	2.35	1.00	58.8	5.84	53	0.187	< 0.04	0.16	0.348	1.20
8: 4	1.99	9.88	0.90	1.00	22.6	0.25	22	0.008	< 0.04	< 0.04	0.043	0.070
9: 5	1.99	9.73	1.50	1.00	37.7	22.4	15	0.717	0.10	0.62	0.077	0.150
10: 6	1.99	9.80	4.10	1.00	103	4.00	99	0.128	< 0.04	0.10	1.01	4.30
11: 7	2.01	9.79	2.15	1.00	53.5	2.94	51	0.094	< 0.04	0.07	0.247	0.849
12: 8	1.99	9.69	1.60	1.00	40.2	3.34	37	0.107	< 0.04	0.08	0.052	0.065
13: 9	1.99	9.75	1.45	1.00	36.4	2.88	34	0.092	< 0.04	0.06	0.057	0.100
14: 10	2.02	9.62	1.45	1.00	35.9	16.3	20	0.523	0.06	0.46	0.057	0.080
15: 11	2.01	9.85	2.35	1.00	58.5	7.19	51	0.230	0.05	0.18	0.307	1.03
16: 12	2.03	9.75	3.75	1.00	92.4	14.4	78	0.462	0.07	0.39	0.716	2.67
17: 13	1.99	9.65	2.20	1.00	55.3	3.09	52	0.099	< 0.04	0.09	0.240	0.834
18: 14	2.03	9.80	1.65	1.00	40.6	3.50	37	0.112	< 0.04	0.08	0.186	0.475
19: 15	2.00	9.81	3.45	1.00	86.2	3.56	83	0.114	< 0.04	0.09	0.630	2.48
20: 16	2.01	9.55	2.55	1.00	63.4	111	-47.9	3.56	0.12	3.44	0.101	0.040
21: 17	2.05	9.58	3.06	1.00	74.6	138	-63.7	4.43	0.24	4.19	0.141	0.040
22: 18	2.00	9.60	1.90	1.00	47.5	12.3	35	0.394	0.08	0.31	0.157	0.520
23: 19	2.02	9.69	1.35	1.00	33.4	10.6	23	0.339	0.07	0.27	0.118	0.265
24: 20	1.96	9.15	4.75	1.00	121	231	-109.8	7.39	0.51	6.88	0.073	< 0.025

OnLine LIMS

00031756O9

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11020-NOV22**

Sample ID	Sample weight g	Initial pH	Vol H2SO4 mL	H2SO4 Normality	NP t CaCO3/1000 t	AP t CaCO3/1000 t	NNP kg CaCO3/ tonne	Sulphur (total) %	Acid Leachable SO4-S %	Sulphide %	Carbon (total) %	Carbonate (pyro) as %CO3 %
25: 21	2.03	9.80	2.70	1.00	66.5	2.00	64	0.064	< 0.04	0.04	0.488	1.83
26: 22	2.00	9.68	1.50	1.00	37.5	1.66	36	0.053	< 0.04	< 0.04	0.099	0.180
27: 23	1.98	9.12	4.00	1.00	101	229	-127.7	7.32	0.17	7.15	0.078	< 0.025
28: 24	2.00	9.65	1.80	1.00	45.0	2.59	42	0.083	< 0.04	0.06	0.086	0.200
29: 25	2.05	9.71	1.50	1.00	36.6	3.91	33	0.125	0.04	0.08	0.068	0.180
30: 26	1.99	9.74	2.10	1.00	52.8	3.22	50	0.103	< 0.04	0.08	0.197	0.634
31: 27	1.98	9.71	2.05	1.00	51.8	9.16	43	0.293	< 0.04	0.27	0.228	0.605
32: 31	1.99	9.75	1.35	1.00	33.9	0.66	33	0.021	< 0.04	< 0.04	0.046	< 0.025
33: 32	1.99	9.80	1.65	1.00	41.5	0.34	41	0.011	< 0.04	< 0.04	0.217	0.834
34: 33	1.97	9.72	2.10	1.00	53.3	0.97	52	0.031	< 0.04	< 0.04	0.354	1.25
35: 34	1.99	9.59	1.55	1.00	38.9	1.38	38	0.044	< 0.04	< 0.04	0.042	< 0.025
36: 35	2.02	9.96	1.45	1.00	35.9	1.31	35	0.042	< 0.04	< 0.04	0.108	0.295
37: 36	1.97	9.74	2.45	1.00	62.2	2.94	59	0.094	0.04	0.05	0.541	2.42
38: 37	1.99	9.61	1.75	1.00	44.0	11.4	33	0.366	0.05	0.32	0.306	1.01
39: 38	1.99	8.98	0.60	1.00	15.1	0.53	15	0.017	< 0.04	< 0.04	0.016	< 0.025
40: 39	2.02	9.37	0.75	1.00	18.6	21.1	-2.5	0.675	0.10	0.58	0.032	0.065
41: 40	1.98	9.49	0.75	1.00	18.9	23.7	-4.8	0.757	0.21	0.55	0.065	0.115
42: 41	2.04	9.31	0.60	1.00	14.7	15.7	-1.0	0.503	0.11	0.39	0.027	0.060
43: 42	2.00	9.38	0.65	1.00	16.2	34.2	-18.0	1.09	0.19	0.90	0.034	0.075
44: 43	1.97	9.36	0.80	1.00	20.3	31.7	-11.4	1.01	0.12	0.89	0.042	0.085
45: 44	1.96	9.61	0.70	1.00	17.9	1.25	17	< 0.005	< 0.04	< 0.04	0.115	0.415
46: 45	2.00	9.56	0.65	1.00	16.2	0.22	16	0.007	< 0.04	< 0.04	0.088	0.285
47: 46	2.06	9.52	0.80	1.00	19.4	0.25	19	0.008	< 0.04	< 0.04	0.117	0.410
48: 47	1.99	9.39	0.55	1.00	13.8	10.9	2.9	0.349	0.07	0.28	0.025	< 0.025
49: 49	1.97	9.44	0.60	1.00	15.2	1.25	14	< 0.005	< 0.04	< 0.04	0.025	< 0.025
50: 50	1.95	9.19	0.65	1.00	16.7	27.8	-11.1	0.891	0.13	0.76	1.26	6.04
51: 51	1.97	8.96	0.50	1.00	12.7	14.2	-1.5	0.454	0.07	0.38	0.019	< 0.025
52: 52	2.00	9.41	0.85	1.00	21.2	7.97	13	0.255	0.04	0.21	0.104	0.345
53: 53	1.97	9.49	1.00	1.00	25.4	35.6	-10.2	1.14	0.20	0.94	0.118	0.400
54: 55	2.03	9.77	1.30	1.00	32.0	7.47	25	0.239	< 0.04	0.21	0.202	0.809
55: 56	1.99	9.73	2.10	1.00	52.8	11.2	42	0.357	0.09	0.27	0.495	2.02
56: 57	2.05	9.68	1.60	1.00	39.0	29.7	9.3	0.951	0.16	0.79	0.349	1.08
57: 58	2.01	9.72	3.30	1.00	82.1	12.7	69	0.407	0.08	0.33	0.819	3.33
58: 59	1.99	9.42	1.25	1.00	31.4	40.8	-9.4	1.30	0.26	1.04	0.048	0.105
59: 60	2.05	9.72	4.85	1.00	118	5.31	113	0.170	0.09	0.08	2.40	6.18
60: 61	1.97	9.51	3.40	1.00	86.3	5.25	81	0.168	0.05	0.12	1.14	3.95
61: 62	1.97	9.72	4.55	1.00	116	13.0	102	0.417	0.07	0.35	2.12	6.38
62: 63	1.99	9.48	0.50	1.00	12.6	1.25	11	< 0.005	< 0.04	< 0.04	0.032	0.040

OnLine LIMS

0003175609

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

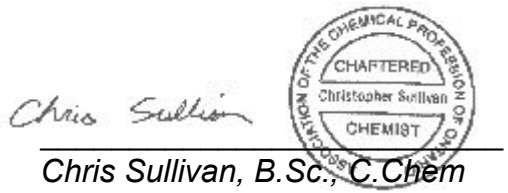
LR Report : **CA11020-NOV22**

Sample ID	Sample weight g	Initial pH	Vol H2SO4 mL	H2SO4 Normality	NP t CaCO3/1000 t	AP t CaCO3/1000 t	NNP kg CaCO3/ tonne	Sulphur (total) %	Acid Leachable SO4-S %	Sulphide %	Carbon (total) %	Carbonate (pyro) as %CO3 %
63: 64	2.00	9.32	0.50	1.00	12.5	1.25	11	< 0.005	< 0.04	< 0.04	0.021	< 0.025
64: 65	1.98	9.28	0.35	1.00	8.8	1.25	7.6	< 0.005	< 0.04	< 0.04	0.014	< 0.025
65: 66	1.93	9.15	0.30	1.00	7.8	1.25	6.6	< 0.005	< 0.04	< 0.04	0.011	< 0.025
66: 67	2.14	9.11	0.35	1.00	8.2	1.25	7.0	< 0.005	< 0.04	< 0.04	0.013	< 0.025
67: 69	1.95	9.77	0.40	1.00	10.3	1.25	9.0	< 0.005	< 0.04	< 0.04	0.039	0.075
68: 70	2.06	9.66	0.35	1.00	8.5	0.16	8.3	0.005	< 0.04	< 0.04	0.030	< 0.025
69: 73	2.00	9.07	0.30	1.00	7.5	1.25	6.2	< 0.005	< 0.04	< 0.04	0.020	< 0.025
70: 74	2.05	8.52	0.35	1.00	8.5	1.25	7.2	< 0.005	< 0.04	< 0.04	0.013	< 0.025
71: 75	1.97	9.31	0.40	1.00	10.2	1.25	9.0	< 0.005	< 0.04	< 0.04	0.030	0.040
72: 76	2.08	9.40	0.50	1.00	12.0	1.25	11	< 0.005	< 0.04	< 0.04	0.034	0.040
73: 77	1.99	8.91	0.45	1.00	11.3	1.25	10	< 0.005	< 0.04	< 0.04	0.025	< 0.025
74: 79	2.10	9.04	0.40	1.00	9.5	1.25	8.2	< 0.005	< 0.04	< 0.04	0.024	< 0.025
75: 80	2.02	8.76	0.35	1.00	8.7	0.94	7.8	0.030	< 0.04	< 0.04	0.021	< 0.025
76: 82	2.05	9.51	0.55	1.00	13.4	1.25	12	< 0.005	< 0.04	< 0.04	0.057	0.130

MA110 ACISOL 1.0

Gross NP (kg CaCO3/tonne) Section 7.3
AP (kg CaCO3/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003175609

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Carbon/Sulphur - QCBatchID: ECS0109-NOV22														
Sulphide	0.04	%	< 0.04			4	20	119	80	120				
Carbon/Sulphur - QCBatchID: ECS0114-NOV22														
Carbon (total)	0.005	%	<0.005			1	20				98	70	130	
Sulphur (total)	0.005	%	<0.005			1	20				96	70	130	
Carbon/Sulphur - QCBatchID: ECS0117-NOV22														
Carbonate (pyro) as %CO3	0.025	%	<0.02			2	20				112	70	130	

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00031756O9

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

27-June-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 01 June 2023
LR Report: **CA10008-JUN23**
Reference: Wk#5 - Patriot Tailings

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#5	6: CV5-DMS-HC T-84 Wk#5
Sample Date & Time			1-Jun-23	1-Jun-23
HumCell Leachate Vol [mL]	06-Jun-23	12:38	949	922
pH [No unit]	05-Jun-23	11:24	6.59	6.58
Alkalinity [mg/L as CaCO3]	05-Jun-23	11:24	2	2
Conductivity [uS/cm]	05-Jun-23	11:24	5	5
Acidity [mg/L as CaCO3]	05-Jun-23	11:24	2	2
F [mg/L]	15-Jun-23	11:03	< 0.06	< 0.06
SO4 [mg/L]	08-Jun-23	14:21	< 2	< 2
Cl [mg/L]	16-Jun-23	15:05	< 1	< 1
NO2 [as N mg/L]	16-Jun-23	16:03	< 0.03	< 0.03
NO3 [as N mg/L]	16-Jun-23	16:03	< 0.06	< 0.06
Br [mg/L]	16-Jun-23	16:03	< 0.3	< 0.3
Tot.Reactive P [mg/L]	16-Jun-23	08:11	< 0.03	< 0.03
Hg [mg/L]	20-Jun-23	14:16	< 0.00001	< 0.00001
Ag [mg/L]	20-Jun-23	14:16	< 0.00005	< 0.00005
Al [mg/L]	20-Jun-23	14:16	0.010	0.009
As [mg/L]	20-Jun-23	14:16	0.0153	0.0046
Ba [mg/L]	20-Jun-23	14:16	0.00008	0.00010
Be [mg/L]	20-Jun-23	14:16	0.000014	0.000025
B [mg/L]	20-Jun-23	14:16	< 0.002	< 0.002
Bi [mg/L]	20-Jun-23	14:16	0.00002	0.00002
Ca [mg/L]	20-Jun-23	14:16	0.54	0.61
Cd [mg/L]	20-Jun-23	14:16	0.000003	< 0.000003
Co [mg/L]	20-Jun-23	14:16	0.000023	0.000018
Cr [mg/L]	20-Jun-23	14:16	< 0.00008	< 0.00008
Cu [mg/L]	20-Jun-23	14:16	0.0008	0.0004
Fe [mg/L]	20-Jun-23	14:16	< 0.007	< 0.007
K [mg/L]	20-Jun-23	14:16	0.300	0.311

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003380843

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10008-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#5	6: CV5-DMS-HC T-84 Wk#5
Li [mg/L]	20-Jun-23	14:16	0.0069	0.0072
Mg [mg/L]	20-Jun-23	14:16	0.036	0.037
Mn [mg/L]	20-Jun-23	14:16	0.00210	0.00246
Mo [mg/L]	20-Jun-23	14:16	0.00012	0.00028
Na [mg/L]	20-Jun-23	14:16	0.21	0.21
Ni [mg/L]	20-Jun-23	14:16	< 0.0001	0.0001
Pb [mg/L]	20-Jun-23	14:16	< 0.00009	< 0.00009
Sb [mg/L]	20-Jun-23	14:16	0.0078	0.0060
Se [mg/L]	22-Jun-23	14:13	< 0.00004	< 0.00004
Sn [mg/L]	20-Jun-23	14:16	< 0.00006	< 0.00006
Sr [mg/L]	20-Jun-23	14:16	0.00149	0.00160
Ti [mg/L]	20-Jun-23	14:16	0.00005	0.00006
Tl [mg/L]	20-Jun-23	14:16	0.000021	0.000025
U [mg/L]	20-Jun-23	14:16	0.00470	0.00460
V [mg/L]	20-Jun-23	14:16	0.00005	0.00006
W [mg/L]	20-Jun-23	14:16	0.00009	0.00007
Y [mg/L]	20-Jun-23	14:16	< 0.00002	< 0.00002
Zn [mg/L]	20-Jun-23	14:16	< 0.002	0.002
Au (tot) [mg/L]	20-Jun-23	14:16	< 0.00001	< 0.00001
Ce (tot) [mg/L]	22-Jun-23	14:13	< 0.00001	< 0.00001
Cs (tot) [mg/L]	20-Jun-23	14:17	0.0019	0.0018
Dy (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Er (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Eu (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Ga (tot) [mg/L]	22-Jun-23	14:13	0.0008	0.0005
Gd (tot) [mg/L]	22-Jun-23	14:13	< 0.00001	< 0.00001
Ge (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001
Hf (tot) [mg/L]	20-Jun-23	14:17	< 0.0001	< 0.0001
Ho (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
In (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Ir (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001
La (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Lu (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Nb (tot) [mg/L]	20-Jun-23	14:17	< 0.0001	< 0.0001
Nd (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Os (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001
Pd (tot) [mg/L]	20-Jun-23	14:17	< 0.0001	< 0.0001
Pr (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Pt (tot) [mg/L]	20-Jun-23	14:17	< 0.0001	< 0.0001
Rb (tot) [mg/L]	20-Jun-23	14:17	0.0140	0.0146
Re (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001
Rh (tot) [mg/L]	20-Jun-23	14:17	< 0.00001	< 0.00001

OnLine LIMS

00033808843

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10008-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#5	6: CV5-DMS-HC T-84 Wk#5
Sc (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Sm (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Ta (tot) [mg/L]	20-Jun-23	14:17	< 0.0001	< 0.0001
Tb (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Te (tot) [mg/L]	20-Jun-23	14:17	< 0.0001	< 0.0001
Th (tot) [mg/L]	20-Jun-23	14:17	< 0.0001	< 0.0001
Tm (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001
Yb (tot) [mg/L]	22-Jun-23	14:13	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003380843

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-June-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 01 June 2023
LR Report: **CA10009-JUN23**
Reference: Wk#5 - Patriot WR

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#5	6: CV5-WR-HCT-5 Wk#5	7: CV5-WR-HCT-5 (DUP) Wk#5	8: CV5-WR-HCT-14 Wk#5
Sample Date & Time			1-Jun-23	1-Jun-23	1-Jun-23	1-Jun-23
HumCell Leachate Vol [mL]	06-Jun-23	12:38	997	1005	1002	998
pH [No unit]	05-Jun-23	11:25	6.90	7.10	6.98	7.81
Alkalinity [mg/L as CaCO3]	05-Jun-23	11:25	7	7	7	21
Conductivity [uS/cm]	05-Jun-23	11:25	45	45	35	55
Acidity [mg/L as CaCO3]	05-Jun-23	11:25	5	< 2	< 2	< 2
F [mg/L]	15-Jun-23	11:04	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	08-Jun-23	16:36	9	8	7	3
Cl [mg/L]	16-Jun-23	15:05	1	< 1	< 1	< 1
NO2 [as N mg/L]	16-Jun-23	16:13	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	16-Jun-23	16:13	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	16-Jun-23	16:13	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	19-Jun-23	13:24	< 0.03	0.12	0.08	< 0.03
Hg [mg/L]	20-Jun-23	14:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	20-Jun-23	14:18	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	20-Jun-23	14:18	0.016	0.012	0.021	0.122
As [mg/L]	23-Jun-23	18:45	0.0053	0.512	0.366	0.113
Ba [mg/L]	20-Jun-23	14:18	0.00045	0.00042	0.00043	0.00025
Be [mg/L]	20-Jun-23	14:18	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	20-Jun-23	14:18	0.016	0.016	0.015	0.008
Bi [mg/L]	20-Jun-23	14:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	20-Jun-23	14:18	4.50	4.56	4.13	7.34
Cd [mg/L]	20-Jun-23	14:18	< 0.000003	< 0.000003	0.000004	< 0.000003
Co [mg/L]	20-Jun-23	14:18	0.000164	0.000465	0.000452	0.000048
Cr [mg/L]	20-Jun-23	14:19	< 0.00008	< 0.00008	0.00052	0.00016
Cu [mg/L]	20-Jun-23	14:19	0.0003	0.0017	0.0004	0.0003
Fe [mg/L]	20-Jun-23	14:19	0.007	0.016	0.020	0.011
K [mg/L]	20-Jun-23	14:19	0.908	0.481	0.430	0.164

OnLine LMS

00033808845

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#5	6: CV5-WR-HCT-5 Wk#5	7: CV5-WR-HCT-5 (DUP) Wk#5	8: CV5-WR-HCT-14 Wk#5
Li [mg/L]	20-Jun-23	14:19	0.0363	0.0783	0.0695	0.0095
Mg [mg/L]	20-Jun-23	14:19	0.870	0.987	0.708	0.688
Mn [mg/L]	20-Jun-23	14:19	0.00313	0.00659	0.00554	0.00462
Mo [mg/L]	20-Jun-23	14:19	0.00035	0.00015	0.00006	0.00012
Na [mg/L]	20-Jun-23	14:19	1.75	0.98	0.90	1.83
Ni [mg/L]	20-Jun-23	14:19	0.0005	0.0053	0.0039	0.0003
Pb [mg/L]	20-Jun-23	14:19	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	20-Jun-23	14:19	0.0136	0.244	0.149	0.0335
Se [mg/L]	23-Jun-23	18:45	0.00034	0.00017	0.00014	0.00033
Sn [mg/L]	20-Jun-23	14:19	0.00013	0.00010	< 0.00006	0.00007
Sr [mg/L]	20-Jun-23	14:19	0.0210	0.0159	0.0153	0.0112
Ti [mg/L]	20-Jun-23	14:19	< 0.00005	0.00009	0.00008	0.00013
Tl [mg/L]	20-Jun-23	14:19	0.000005	0.000012	0.000011	0.000005
U [mg/L]	20-Jun-23	14:19	0.000174	0.000091	0.000046	0.000298
V [mg/L]	20-Jun-23	14:19	0.00039	0.00095	0.00094	0.00577
W [mg/L]	20-Jun-23	14:19	0.00034	0.00058	0.00097	0.00013
Y [mg/L]	20-Jun-23	14:19	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	20-Jun-23	14:19	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	20-Jun-23	14:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	22-Jun-23	14:14	< 0.00001	0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	20-Jun-23	14:19	0.0114	0.0199	0.0202	0.0033
Dy (tot) [mg/L]	22-Jun-23	14:14	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	22-Jun-23	14:14	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	22-Jun-23	14:14	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	22-Jun-23	14:14	0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	22-Jun-23	14:14	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	20-Jun-23	14:19	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	22-Jun-23	14:14	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	22-Jun-23	14:14	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	22-Jun-23	14:14	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	22-Jun-23	14:14	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	20-Jun-23	14:19	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	22-Jun-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	20-Jun-23	14:19	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	22-Jun-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	20-Jun-23	14:19	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	20-Jun-23	14:19	0.0108	0.0104	0.0094	0.0012
Re (tot) [mg/L]	22-Jun-23	14:21	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	20-Jun-23	14:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

00033808845

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#5	6: CV5-WR-HCT-5 Wk#5	7: CV5-WR-HCT-5 (DUP) Wk#5	8: CV5-WR-HCT-14 Wk#5
Sc (tot) [mg/L]	22-Jun-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	22-Jun-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	20-Jun-23	14:20	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	22-Jun-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	20-Jun-23	14:20	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	20-Jun-23	14:20	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	22-Jun-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	22-Jun-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	9: CV5-WR-HCT-22 Wk#5	10: CV5-WR-HCT-33 Wk#5	11: CV5-WR-HCT-36 Wk#5	12: CV5-WR-HCT-39 Wk#5	13: CV5-WR-HCT-50 Wk#5	14: CV5-WR-HCT-56 Wk#5
Sample Date & Time	1-Jun-23	1-Jun-23	1-Jun-23	1-Jun-23	1-Jun-23	1-Jun-23
HumCell Leachate Vol [mL]	1001	997	994	1004	996	1005
pH [No unit]	6.98	7.14	7.51	6.82	7.32	7.81
Alkalinity [mg/L as CaCO3]	6	9	14	5	13	18
Conductivity [uS/cm]	26	26	49	45	60	34
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	0.17	0.28	< 0.06
SO4 [mg/L]	2	< 2	3	10	13	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.08	< 0.03	2.23	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.020	0.060	< 0.001	0.010	0.046	0.063
As [mg/L]	0.293	0.0045	8.22	0.0588	0.0254	0.0170
Ba [mg/L]	0.00059	0.00028	0.00134	0.00084	0.00072	0.00115
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.008	0.005	0.045	0.009	0.005	0.011
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.56	3.27	4.90	4.14	8.73	4.76
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000005	0.000027	< 0.000003
Co [mg/L]	0.000217	0.000069	0.000452	0.000248	0.00119	0.000088
Cr [mg/L]	< 0.00008	0.00030	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0002	0.0004	0.0003	0.0002	0.0046	0.0003
Fe [mg/L]	0.007	< 0.007	0.008	< 0.007	0.008	0.007
K [mg/L]	0.164	0.265	0.165	0.861	1.59	1.58
Li [mg/L]	0.0166	0.0141	0.0105	0.0405	0.0338	0.0206

OnLine LMS

0003380845

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUN23**

Analysis	9: CV5-WR-HCT-22 Wk#5	10: CV5-WR-HCT-33 Wk#5	11: CV5-WR-HCT-36 Wk#5	12: CV5-WR-HCT-39 Wk#5	13: CV5-WR-HCT-50 Wk#5	14: CV5-WR-HCT-56 Wk#5
Mg [mg/L]	0.368	0.309	2.28	0.686	0.743	0.492
Mn [mg/L]	0.00151	0.00972	0.00539	0.00337	0.0106	0.0217
Mo [mg/L]	0.00041	0.00023	0.00078	0.00133	0.00192	0.00027
Na [mg/L]	1.17	1.01	0.37	1.38	0.41	0.89
Ni [mg/L]	0.0010	0.0001	0.0676	0.0008	0.0014	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0272	0.0091	1.68	0.0630	0.179	0.0019
Se [mg/L]	0.00008	0.00009	0.00010	0.00017	0.00110	0.00008
Sn [mg/L]	< 0.00006	0.00013	0.00012	0.00013	0.00011	< 0.00006
Sr [mg/L]	0.00900	0.00459	0.0125	0.0167	0.0135	0.00709
Ti [mg/L]	0.00032	0.00010	0.00006	< 0.00005	0.00010	0.00026
Tl [mg/L]	0.000006	0.000008	0.000010	0.000013	0.000031	< 0.000005
U [mg/L]	0.000084	0.000173	0.000043	0.000440	0.00226	0.000717
V [mg/L]	0.00171	0.00142	0.00086	0.00061	0.00030	0.00102
W [mg/L]	0.00023	0.00043	0.00037	0.00032	0.00024	0.00088
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	0.0068	0.0076	0.0217	0.0056	0.0690	0.0258
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	0.0003	0.0004	0.0005	0.0003	0.0003
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0031	0.0018	0.0049	0.0064	0.0378	0.0043
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

00033808845

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUN23**

Analysis	9: CV5-WR-HCT-22 Wk#5	10: CV5-WR-HCT-33 Wk#5	11: CV5-WR-HCT-36 Wk#5	12: CV5-WR-HCT-39 Wk#5	13: CV5-WR-HCT-50 Wk#5	14: CV5-WR-HCT-56 Wk#5
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	15: CV5-WR-HCT-59 Wk#5	16: CV5-WR-HCT-62 Wk#5	17: CV5-WR-HCT-64 Wk#5	18: CV5-WR-HCT-69 Wk#5	19: CV5-ORE-HCT-74 Wk#5	20: CV5-ORE-HCT-76 Wk#5
Sample Date & Time	1-Jun-23	1-Jun-23	1-Jun-23	1-Jun-23	1-Jun-23	1-Jun-23
HumCell Leachate Vol [mL]	998	1003	1000	1003	994	995
pH [No unit]	6.88	7.54	7.04	7.55	7.07	7.43
Alkalinity [mg/L as CaCO3]	3	12	7	12	6	14
Conductivity [uS/cm]	23	37	16	27	15	29
Acidity [mg/L as CaCO3]	< 2	2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	5	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.26	1.15	< 0.03	< 0.03	0.08	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	< 0.001	< 0.001	0.016	0.131	0.038	0.036
As [mg/L]	0.854	4.27	0.0399	0.0425	0.0895	0.0248
Ba [mg/L]	0.00031	0.00145	0.00012	0.00022	< 0.00008	0.00014
Be [mg/L]	< 0.000007	< 0.000007	0.000007	0.000194	0.000011	0.000054
B [mg/L]	0.004	0.009	0.007	0.007	0.005	0.010
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00050	< 0.00001	0.00009
Ca [mg/L]	2.59	4.50	2.10	4.40	1.51	4.08
Cd [mg/L]	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000782	0.000445	0.000033	0.000029	0.000043	0.000035
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0055	< 0.0002	0.0005	0.0006	0.0004	0.0004
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.238	0.176	1.33	0.413	0.734	1.53
Li [mg/L]	0.0060	0.0013	0.0208	0.0128	0.0593	0.0382
Mg [mg/L]	0.827	1.88	0.187	0.203	0.062	0.269

OnLine LMS

0003380845

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUN23**

Analysis	15: CV5-WR-HCT-59 Wk#5	16: CV5-WR-HCT-62 Wk#5	17: CV5-WR-HCT-64 Wk#5	18: CV5-WR-HCT-69 Wk#5	19: CV5-ORE-HCT-74 Wk#5	20: CV5-ORE-HCT-76 Wk#5
Mn [mg/L]	0.00216	0.00676	0.00535	0.00352	0.0294	0.00474
Mo [mg/L]	0.00132	0.00056	0.00025	0.00070	0.00039	0.00083
Na [mg/L]	0.57	0.61	0.55	0.89	0.92	0.95
Ni [mg/L]	0.0074	0.0514	0.0002	< 0.0001	0.0004	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0209	2.94	0.0099	0.0157	0.0489	0.0204
Se [mg/L]	0.00009	0.00021	< 0.00004	0.00019	< 0.00004	0.00006
Sn [mg/L]	< 0.00006	0.00006	0.00010	0.00015	0.00029	0.00007
Sr [mg/L]	0.0168	0.00604	0.00508	0.0109	0.00293	0.0118
Ti [mg/L]	0.00015	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00007
Tl [mg/L]	0.000007	< 0.000005	0.000123	0.000018	0.000107	0.000061
U [mg/L]	0.000119	0.000265	0.00656	0.0213	0.00998	0.00446
V [mg/L]	0.00093	0.00055	0.00008	0.00031	0.00005	0.00016
W [mg/L]	0.00137	0.00044	0.00018	0.00047	0.00013	0.00034
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.003	< 0.002	0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	0.0145	0.0052	0.0224	0.0049	0.0315	0.0160
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0004	0.0003	0.0003	0.0002	0.0005	0.0009
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0062	0.0030	0.0658	0.0148	0.0639	0.0320
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

00033808845

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUN23**

Analysis	15: CV5-WR-HCT-59 Wk#5	16: CV5-WR-HCT-62 Wk#5	17: CV5-WR-HCT-64 Wk#5	18: CV5-WR-HCT-69 Wk#5	19: CV5-ORE-HCT-74 Wk#5	20: CV5-ORE-HCT-76 Wk#5
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003380845

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

24-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 02 November 2023
LR Report: **CA10024-NOV23**
Reference: Wk#27

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#27	6: CV5-DMS-HCT-84 Wk#27
Sample Date & Time			02-Nov-23	02-Nov-23
HumCell Leachate Vol [mL]	13-Nov-23	16:06	994	983
pH [No unit]	03-Nov-23	12:07	6.39	6.27
Alkalinity [mg/L as CaCO3]	03-Nov-23	12:07	< 2	< 2
Conductivity [uS/cm]	07-Nov-23	09:34	2	3
Acidity [mg/L as CaCO3]	07-Nov-23	09:34	2	< 2
Tot.Reactive P [mg/L]	06-Nov-23	09:22	< 0.03	< 0.03
SO4 [mg/L]	20-Nov-23	15:44	< 2	< 2
Ag [mg/L]	14-Nov-23	16:52	< 0.00005	< 0.00005
Al [mg/L]	14-Nov-23	16:52	0.012	0.009
As [mg/L]	14-Nov-23	16:52	0.0050	0.0035
Ba [mg/L]	14-Nov-23	16:52	< 0.00008	< 0.00008
Be [mg/L]	14-Nov-23	16:52	0.000008	< 0.000007
B [mg/L]	14-Nov-23	16:52	< 0.002	< 0.002
Bi [mg/L]	14-Nov-23	16:52	0.00002	0.00003
Ca [mg/L]	14-Nov-23	16:52	0.39	0.31
Cd [mg/L]	14-Nov-23	16:52	0.000003	< 0.000003
Co [mg/L]	14-Nov-23	16:52	< 0.000004	< 0.000004
Cr [mg/L]	14-Nov-23	16:52	< 0.00008	< 0.00008
Cu [mg/L]	14-Nov-23	16:52	< 0.0002	< 0.0002
Fe [mg/L]	14-Nov-23	16:52	< 0.007	< 0.007
K [mg/L]	14-Nov-23	16:52	0.075	0.063
Li [mg/L]	14-Nov-23	16:52	0.0005	0.0005
Mg [mg/L]	14-Nov-23	16:52	0.020	0.014
Mn [mg/L]	14-Nov-23	16:52	0.00079	0.00116
Mo [mg/L]	14-Nov-23	16:52	0.00049	0.00007
Na [mg/L]	14-Nov-23	16:52	0.04	0.03
Ni [mg/L]	14-Nov-23	16:52	< 0.0001	< 0.0001
Pb [mg/L]	14-Nov-23	16:52	< 0.00009	< 0.00009
Sb [mg/L]	14-Nov-23	16:52	0.0020	0.0017
Se [mg/L]	14-Nov-23	16:52	< 0.00004	< 0.00004
Sn [mg/L]	14-Nov-23	16:52	< 0.00006	< 0.00006
Sr [mg/L]	14-Nov-23	16:52	0.00094	0.00070
Ti [mg/L]	14-Nov-23	16:52	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003543820

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10024-NOV23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#27	6: CV5-DMS-HCT-84 Wk#27
Tl [mg/L]	14-Nov-23	16:52	0.000008	0.000011
U [mg/L]	14-Nov-23	16:52	0.00125	0.00174
V [mg/L]	14-Nov-23	16:52	0.00002	0.00001
W [mg/L]	14-Nov-23	16:52	< 0.00002	< 0.00002
Y [mg/L]	14-Nov-23	16:52	< 0.00002	< 0.00002
Zn [mg/L]	14-Nov-23	16:52	< 0.002	< 0.002

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003543820

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 02 November 2023
LR Report: **CA10025-NOV23**
Reference: Wk#27

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#27	6: CV5-WR-HCT-5 Wk#27	7: CV5-WR-HCT-5 (DUP) Wk#27	8: CV5-WR-HCT-14 Wk#27	9: CV5-WR-HCT-22 Wk#27
Sample Date & Time			02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23
HumCell Leachate Vol [mL]	13-Nov-23	16:07	944	928	992	998	1002
pH [No unit]	07-Nov-23	09:35	6.81	7.00	6.89	7.49	6.92
Alkalinity [mg/L as CaCO3]	07-Nov-23	09:36	2	3	3	12	4
Conductivity [uS/cm]	07-Nov-23	09:37	26	17	14	26	9
Acidity [mg/L as CaCO3]	07-Nov-23	09:37	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	06-Nov-23	09:22	< 0.03	0.08	0.05	< 0.03	0.05
SO4 [mg/L]	20-Nov-23	15:45	8	4	3	2	< 2
Ag [mg/L]	14-Nov-23	16:52	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	14-Nov-23	16:52	0.022	0.019	0.020	0.080	0.019
As [mg/L]	21-Nov-23	21:48	0.0041	0.201	0.144	0.0383	0.156
Ba [mg/L]	14-Nov-23	16:53	0.00019	0.00020	0.00020	0.00021	< 0.00008
Be [mg/L]	14-Nov-23	16:53	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	14-Nov-23	16:53	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	14-Nov-23	16:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14-Nov-23	16:53	3.85	2.82	2.32	5.65	1.62
Cd [mg/L]	14-Nov-23	16:53	0.000006	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	14-Nov-23	16:53	0.000084	0.000197	0.000206	0.000054	0.000136
Cr [mg/L]	14-Nov-23	16:53	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	14-Nov-23	16:53	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	14-Nov-23	16:53	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	14-Nov-23	16:53	0.247	0.117	0.091	0.034	0.040
Li [mg/L]	14-Nov-23	16:53	0.0083	0.0096	0.0081	0.0038	0.0056
Mg [mg/L]	14-Nov-23	16:53	0.399	0.248	0.216	0.236	0.228
Mn [mg/L]	14-Nov-23	16:53	0.00125	0.00198	0.00174	0.00608	0.00041
Mo [mg/L]	14-Nov-23	16:53	0.00011	< 0.00004	0.00005	0.00008	0.00022
Na [mg/L]	14-Nov-23	16:53	0.17	0.08	0.08	0.21	0.13
Ni [mg/L]	14-Nov-23	16:53	0.0002	0.0013	0.0009	0.0001	0.0003
Pb [mg/L]	14-Nov-23	16:53	0.00015	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	21-Nov-23	17:24	0.0035	0.0553	0.0339	0.0066	0.0084

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003543347

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10025-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#27	6: CV5-WR-HCT-5 Wk#27	7: CV5-WR-HCT-5 (DUP) Wk#27	8: CV5-WR-HCT-14 Wk#27	9: CV5-WR-HCT-22 Wk#27
Se [mg/L]	14-Nov-23	16:54	0.00017	< 0.00004	< 0.00004	0.00006	< 0.00004
Sn [mg/L]	14-Nov-23	16:53	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	14-Nov-23	16:53	0.0120	0.00631	0.00581	0.00457	0.00521
Ti [mg/L]	14-Nov-23	16:53	0.00019	0.00009	< 0.00007	0.00017	0.00015
Tl [mg/L]	14-Nov-23	16:53	0.000005	0.000006	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	14-Nov-23	16:53	0.000497	0.000029	0.000055	0.000088	0.000568
V [mg/L]	14-Nov-23	16:53	0.00030	0.00052	0.00044	0.00243	0.00111
W [mg/L]	14-Nov-23	16:53	0.00006	0.00007	0.00006	< 0.00002	0.00002
Y [mg/L]	14-Nov-23	16:53	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	14-Nov-23	16:53	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT-33 Wk#27	11: CV5-WR-HCT-36 Wk#27	12: CV5-WR-HCT-39 Wk#27	13: CV5-WR-HCT-50 Wk#27	14: CV5-WR-HCT-56 Wk#27	15: CV5-WR-HCT-59 Wk#27	16: CV5-WR-HCT-62 Wk#27
Sample Date & Time	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23
HumCell Leachate Vol [mL]	970	1000	956	983	960	996	963
pH [No unit]	7.32	7.18	6.49	6.54	7.14	6.40	7.18
Alkalinity [mg/L as CaCO3]	6	7	3	2	6	3	7
Conductivity [uS/cm]	15	19	18	22	26	11	21
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	6	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	0.62	< 0.03	< 0.03	< 0.03	0.11	0.26
SO4 [mg/L]	< 2	2	6	5	6	4	4
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.058	0.003	0.018	0.005	0.034	0.004	0.001
As [mg/L]	0.0042	1.67	0.0244	0.0029	0.0168	0.333	0.745
Ba [mg/L]	0.00017	0.00078	0.00023	0.00018	0.00038	0.00015	0.00042
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.007	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.88	2.99	2.81	3.77	4.51	1.50	2.97
Cd [mg/L]	< 0.000003	< 0.000003	0.000013	0.000027	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000052	0.000334	0.000215	0.00129	0.000062	0.000491	0.000409
Cr [mg/L]	< 0.00008	0.00015	< 0.00008	< 0.00008	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	0.0004	0.0005	< 0.0002	0.0005	0.0013	0.0008	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.060	0.049	0.212	0.092	0.283	0.039	0.017
Li [mg/L]	0.0036	0.0024	0.0088	0.0042	0.0037	0.0017	0.0004
Mg [mg/L]	0.137	0.655	0.361	0.080	0.343	0.320	0.775
Mn [mg/L]	0.00923	0.00226	0.00226	0.00354	0.00792	0.00128	0.00247
Mo [mg/L]	0.00032	0.00013	0.00013	0.00025	0.00029	0.00011	0.00028
Na [mg/L]	0.12	0.04	0.14	0.06	0.09	0.06	0.02
Ni [mg/L]	< 0.0001	0.0101	0.0004	0.0009	0.0001	0.0043	0.0080
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00016	< 0.00009	< 0.00009
Sb [mg/L]	0.0015	0.695	0.0150	0.0129	< 0.0009	0.0066	0.751

OnLine LIMS

0003543347

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10025-NOV23**

Analysis	10: CV5-WR-HCT-33 Wk#27	11: CV5-WR-HCT-36 Wk#27	12: CV5-WR-HCT-39 Wk#27	13: CV5-WR-HCT-50 Wk#27	14: CV5-WR-HCT-56 Wk#27	15: CV5-WR-HCT-59 Wk#27	16: CV5-WR-HCT-62 Wk#27
Se [mg/L]	0.00005	0.00007	0.00004	0.00035	< 0.00004	< 0.00004	0.00009
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00258	0.00385	0.00868	0.00308	0.00496	0.00691	0.00225
Ti [mg/L]	0.00028	< 0.00007	0.00015	< 0.00007	0.00014	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000007	0.000007	0.000010	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000068	0.00161	0.000275	0.000943	0.00205	0.000015	0.00237
V [mg/L]	0.00063	0.00020	0.00033	0.00003	0.00038	0.00038	0.00018
W [mg/L]	0.00004	0.00010	0.00004	< 0.00002	0.00006	0.00014	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.008	< 0.002	0.002	< 0.002

Analysis	17: CV5-WR-HCT-64 Wk#27	18: CV5-WR-HCT-69 Wk#27	19: CV5-ORE-HCT-74 Wk#27	20: CV5-ORE-HCT-76 Wk#27
Sample Date & Time	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23
HumCell Leachate Vol [mL]	994	1001	1002	983
pH [No unit]	6.61	7.16	6.82	7.13
Alkalinity [mg/L as CaCO3]	3	6	2	6
Conductivity [uS/cm]	8	14	5	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.023	0.077	0.017	0.032
As [mg/L]	0.0077	0.0059	0.0103	0.0040
Ba [mg/L]	< 0.00008	0.00014	< 0.00008	< 0.00008
Be [mg/L]	0.000008	0.000057	< 0.000007	0.000027
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00020	< 0.00001	0.00008
Ca [mg/L]	1.37	2.46	0.89	2.26
Cd [mg/L]	0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000011	0.000012	0.000009	0.000012
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0008	0.0019	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.226	0.074	0.121	0.326
Li [mg/L]	0.0020	0.0019	0.0067	0.0068
Mg [mg/L]	0.067	0.043	0.017	0.116
Mn [mg/L]	0.00340	0.00252	0.0417	0.00194
Mo [mg/L]	0.00050	0.00011	0.00006	0.00008
Na [mg/L]	0.06	0.14	0.11	0.10
Ni [mg/L]	0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	0.00018	< 0.00009	< 0.00009
Sb [mg/L]	0.0020	0.0025	0.0123	0.0016

OnLine LMS

0003543347

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10025-NOV23**

Analysis	17: CV5-WR-HCT-64 Wk#27	18: CV5-WR-HCT-69 Wk#27	19: CV5-ORE-HCT-74 Wk#27	20: CV5-ORE-HCT-76 Wk#27
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00215	0.00448	0.00130	0.00525
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000032	< 0.000005	0.000029	0.000021
U [mg/L]	0.00125	0.00360	0.00149	0.00141
V [mg/L]	0.00002	0.00009	0.00003	0.00006
W [mg/L]	0.00004	0.00004	0.00004	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

18-July-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 06 July 2023
LR Report: **CA10046-JUL23**
Reference: Wk#10 - Patriot Tailings- Long - (9.5mm fraction size)

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#10	6: CV5-DMS-HC T-84 Wk#10
Sample Date & Time			6-Jul-23	6-Jul-23
HumCell Leachate Vol [mL]	11-Jul-23	10:11	973	960
pH [No unit]	07-Jul-23	13:39	6.58	6.53
Alkalinity [mg/L as CaCO3]	07-Jul-23	13:39	2	< 2
Conductivity [uS/cm]	07-Jul-23	13:39	4	3
Acidity [mg/L as CaCO3]	07-Jul-23	13:39	2	4
F [mg/L]	10-Jul-23	09:34	< 0.06	< 0.06
SO4 [mg/L]	11-Jul-23	19:57	< 2	< 2
Cl [mg/L]	11-Jul-23	19:57	< 1	< 1
NO2 [as N mg/L]	13-Jul-23	13:22	< 0.03	< 0.03
NO3 [as N mg/L]	13-Jul-23	13:22	< 0.06	< 0.06
Br [mg/L]	13-Jul-23	13:22	< 0.3	< 0.3
Tot.Reactive P [mg/L]	10-Jul-23	09:11	< 0.03	< 0.03
Hg [mg/L]	18-Jul-23	14:34	< 0.00001	< 0.00001
Ag [mg/L]	18-Jul-23	15:42	< 0.00005	< 0.00005
Al [mg/L]	18-Jul-23	15:42	0.031	0.029
As [mg/L]	18-Jul-23	15:42	0.0186	0.0085
Ba [mg/L]	18-Jul-23	15:42	0.00010	0.00011
Be [mg/L]	18-Jul-23	15:42	0.000013	< 0.000007
B [mg/L]	18-Jul-23	15:42	< 0.002	< 0.002
Bi [mg/L]	18-Jul-23	15:42	0.00003	0.00004
Ca [mg/L]	18-Jul-23	15:42	0.54	0.57
Cd [mg/L]	18-Jul-23	15:42	0.000004	< 0.000003
Co [mg/L]	18-Jul-23	15:42	0.000011	0.000010
Cr [mg/L]	18-Jul-23	15:42	< 0.00008	< 0.00008
Cu [mg/L]	18-Jul-23	15:42	0.0003	0.0002

OnLine LIMS

0003403743

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10046-JUL23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#10	6: CV5-DMS-HC T-84 Wk#10
Fe [mg/L]	18-Jul-23	15:42	0.011	0.009
K [mg/L]	18-Jul-23	15:42	0.209	0.208
Li [mg/L]	18-Jul-23	15:42	0.0026	0.0024
Mg [mg/L]	18-Jul-23	15:42	0.030	0.027
Mn [mg/L]	18-Jul-23	15:42	0.00218	0.00283
Mo [mg/L]	18-Jul-23	15:42	0.00007	0.00039
Na [mg/L]	18-Jul-23	15:42	0.08	0.09
Ni [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Pb [mg/L]	18-Jul-23	15:42	< 0.00009	< 0.00009
Sb [mg/L]	18-Jul-23	15:42	0.0037	0.0026
Se [mg/L]	18-Jul-23	15:42	< 0.00004	< 0.00004
Sn [mg/L]	18-Jul-23	15:42	< 0.00006	< 0.00006
Sr [mg/L]	18-Jul-23	15:42	0.00148	0.00137
Ti [mg/L]	18-Jul-23	15:42	< 0.00007	< 0.00007
Tl [mg/L]	18-Jul-23	15:42	0.000018	0.000019
U [mg/L]	18-Jul-23	15:42	0.00341	0.00375
V [mg/L]	18-Jul-23	15:42	0.00004	0.00005
W [mg/L]	18-Jul-23	15:42	0.00007	0.00007
Y [mg/L]	18-Jul-23	15:42	< 0.00002	< 0.00002
Zn [mg/L]	18-Jul-23	15:42	< 0.002	< 0.002
Au (tot) [mg/L]	18-Jul-23	15:42	< 0.00001	< 0.00001
Ce (tot) [mg/L]	18-Jul-23	15:42	< 0.00001	< 0.00001
Cs (tot) [mg/L]	18-Jul-23	15:42	0.0020	0.0019
Dy (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Er (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Eu (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Ga (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	0.0001
Gd (tot) [mg/L]	18-Jul-23	15:42	< 0.00001	< 0.00001
Ge (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Hf (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Ho (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
In (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Ir (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
La (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Lu (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Nb (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Nd (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Os (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Pd (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Pr (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Pt (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Rb (tot) [mg/L]	18-Jul-23	15:42	0.0110	0.0111

OnLine LIMS

0003403743

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10046-JUL23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#10	6: CV5-DMS-HC T-84 Wk#10
Re (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Rh (tot) [mg/L]	18-Jul-23	15:42	< 0.00001	< 0.00001
Sc (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Sm (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Ta (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Tb (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Te (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Th (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Tm (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001
Yb (tot) [mg/L]	18-Jul-23	15:42	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003403743

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

21-August-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 03 August 2023
LR Report: **CA10047-AUG23**
Reference: Wk#14

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#14	6: CV5-DMS-HCT-84 Wk#14
Sample Date & Time			3-Aug-23	3-Aug-23
HumCell Leachate Vol [mL]	08-Aug-23	16:11	978	919
pH [No unit]	04-Aug-23	12:24	6.39	6.41
Alkalinity [mg/L as CaCO3]	04-Aug-23	12:24	< 2	< 2
Conductivity [uS/cm]	04-Aug-23	12:24	4	5
Acidity [mg/L as CaCO3]	09-Aug-23	08:56	3	3
SO4 [mg/L]	09-Aug-23	12:50	< 2	< 2
Tot.Reactive P [mg/L]	04-Aug-23	10:49	< 0.03	< 0.03
Ag [mg/L]	11-Aug-23	14:05	< 0.00005	< 0.00005
Al [mg/L]	11-Aug-23	14:05	0.019	0.019
As [mg/L]	11-Aug-23	14:05	0.0081	0.0052
Ba [mg/L]	11-Aug-23	14:05	< 0.00008	0.00008
Be [mg/L]	11-Aug-23	14:05	0.000009	< 0.000007
B [mg/L]	11-Aug-23	14:05	< 0.002	< 0.002
Bi [mg/L]	11-Aug-23	14:05	0.00002	0.00003
Ca [mg/L]	11-Aug-23	14:05	0.35	0.37
Cd [mg/L]	11-Aug-23	14:05	< 0.000003	< 0.000003
Co [mg/L]	11-Aug-23	14:05	0.000010	0.000012
Cr [mg/L]	11-Aug-23	14:05	< 0.00008	0.00010
Cu [mg/L]	11-Aug-23	14:05	0.0007	0.0004
Fe [mg/L]	11-Aug-23	14:05	0.060	0.058
K [mg/L]	11-Aug-23	14:05	0.139	0.149
Li [mg/L]	11-Aug-23	14:05	0.0013	0.0014
Mg [mg/L]	11-Aug-23	14:05	0.018	0.018
Mn [mg/L]	11-Aug-23	14:05	0.00155	0.00228
Mo [mg/L]	11-Aug-23	14:05	0.00023	0.00072
Na [mg/L]	11-Aug-23	14:05	0.08	0.08
Ni [mg/L]	11-Aug-23	14:05	0.0008	0.0008
Pb [mg/L]	11-Aug-23	14:05	< 0.00009	< 0.00009
Sb [mg/L]	11-Aug-23	14:05	0.0020	0.0018
Se [mg/L]	11-Aug-23	14:05	< 0.00004	< 0.00004
Sn [mg/L]	11-Aug-23	14:05	< 0.00006	< 0.00006
Sr [mg/L]	11-Aug-23	14:05	0.00095	0.00101
Ti [mg/L]	11-Aug-23	14:05	< 0.00007	< 0.00007

OnLine LIMS

0003439823

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#14	6: CV5-DMS-HCT-84 Wk#14
Tl [mg/L]	11-Aug-23	14:05	0.000015	0.000015
U [mg/L]	11-Aug-23	14:05	0.00130	0.00149
V [mg/L]	11-Aug-23	14:05	0.00003	0.00003
W [mg/L]	11-Aug-23	14:05	0.00003	0.00003
Y [mg/L]	11-Aug-23	14:05	< 0.00002	< 0.00002
Zn [mg/L]	11-Aug-23	14:05	0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003439823

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

20-July-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 06 July 2023
LR Report: **CA10047-JUL23**
Reference: Wk#10

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#10	6: CV5-WR-HCT-5 Wk#10	7: CV5-WR-HCT-5 (DUP) Wk#10	8: CV5-WR-HCT-14 Wk#10	9: CV5-WR-HCT-22 Wk#10	10: CV5-WR-HCT-33 Wk#10
Sample Date & Time			6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23
HumCell Leachate Vol [mL]	11-Jul-23	10:11	902	897	922	957	927	1001
pH [No unit]	10-Jul-23	11:53	6.96	7.25	7.15	8.10	7.19	7.29
Alkalinity [mg/L as CaCO3]	10-Jul-23	11:53	4	6	5	14	4	9
Conductivity [uS/cm]	10-Jul-23	11:53	43	28	25	39	18	24
Acidity [mg/L as CaCO3]	10-Jul-23	11:53	7	< 2	< 2	< 2	< 2	< 2
F [mg/L]	10-Jul-23	09:34	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	13-Jul-23	15:29	12	6	6	4	3	< 2
Cl [mg/L]	13-Jul-23	15:29	4	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	20-Jul-23	08:55	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	14-Jul-23	15:43	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	14-Jul-23	15:43	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	10-Jul-23	09:11	< 0.03	0.08	0.05	< 0.03	0.08	< 0.03
Hg [mg/L]	18-Jul-23	14:34	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	18-Jul-23	15:49	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	18-Jul-23	15:49	0.040	0.027	0.033	0.101	0.038	0.051
As [mg/L]	18-Jul-23	15:49	0.0067	0.536	0.337	0.0730	0.349	0.0106
Ba [mg/L]	18-Jul-23	15:49	0.00048	0.00143	0.00026	0.00018	0.00014	0.00023
Be [mg/L]	18-Jul-23	15:49	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	18-Jul-23	15:49	0.010	0.006	0.006	0.002	0.007	0.002
Bi [mg/L]	18-Jul-23	15:49	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	18-Jul-23	15:49	5.37	3.96	3.48	6.24	2.20	3.26
Cd [mg/L]	18-Jul-23	15:49	< 0.000003	0.000038	< 0.000003	< 0.000003	0.000005	0.000004
Co [mg/L]	18-Jul-23	15:49	0.000088	0.000155	0.000227	0.000050	0.000133	0.000057
Cr [mg/L]	18-Jul-23	15:49	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00012	< 0.00008
Cu [mg/L]	18-Jul-23	15:49	0.0005	0.0007	< 0.0002	0.0002	0.0006	0.0003
Fe [mg/L]	18-Jul-23	15:49	0.022	0.035	0.021	0.019	0.020	0.012
K [mg/L]	18-Jul-23	15:49	0.732	0.324	0.269	0.088	0.138	0.173
Li [mg/L]	18-Jul-23	15:49	0.0312	0.0401	0.0382	0.0065	0.0187	0.0112
Mg [mg/L]	18-Jul-23	15:49	0.946	0.736	0.571	0.442	0.398	0.283
Mn [mg/L]	18-Jul-23	15:49	0.00228	0.00227	0.00257	0.00445	0.00063	0.00782
Mo [mg/L]	18-Jul-23	15:49	0.00075	0.00005	0.00011	0.00010	0.00082	0.00011
Na [mg/L]	18-Jul-23	15:49	0.87	0.34	0.33	0.59	0.79	0.40
Ni [mg/L]	18-Jul-23	15:49	0.0003	0.0016	0.0012	0.0002	0.0004	< 0.0001

OnLine LIMS

0003406349

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-JUL23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#10	6: CV5-WR-HCT-5 Wk#10	7: CV5-WR-HCT-5 (DUP) Wk#10	8: CV5-WR-HCT-1 4 Wk#10	9: CV5-WR-HCT-2 2 Wk#10	10: CV5-WR-HCT-3 3 Wk#10
Pb [mg/L]	18-Jul-23	15:49	< 0.00009	0.00026	< 0.00009	< 0.00009	< 0.00009	0.00011
Sb [mg/L]	18-Jul-23	15:49	0.0066	0.134	0.0841	0.0147	0.0209	0.0079
Se [mg/L]	18-Jul-23	15:49	0.00044	0.00011	0.00009	0.00009	< 0.00004	0.00015
Sn [mg/L]	18-Jul-23	15:49	0.00006	0.00008	< 0.00006	0.00006	< 0.00006	0.00007
Sr [mg/L]	18-Jul-23	15:49	0.0232	0.0128	0.0122	0.00778	0.00876	0.00465
Ti [mg/L]	18-Jul-23	15:49	0.00047	0.00027	0.00019	0.00020	0.00037	0.00017
Tl [mg/L]	18-Jul-23	15:49	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000007	< 0.000005
U [mg/L]	18-Jul-23	15:49	0.000155	0.000031	0.000065	0.001404	0.000186	0.000192
V [mg/L]	18-Jul-23	15:49	0.00041	0.00100	0.00095	0.00403	0.00198	0.00122
W [mg/L]	18-Jul-23	15:49	0.00023	0.00028	0.00056	0.00006	0.00021	0.00020
Y [mg/L]	18-Jul-23	15:49	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	18-Jul-23	15:49	< 0.002	0.004	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	18-Jul-23	15:49	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	18-Jul-23	15:49	0.00001	< 0.00001	< 0.00001	0.00001	0.00004	< 0.00001
Cs (tot) [mg/L]	18-Jul-23	15:49	0.0114	0.0158	0.0152	0.0025	0.0063	0.0070
Dy (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	0.0001
Gd (tot) [mg/L]	18-Jul-23	15:49	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	18-Jul-23	15:49	0.0094	0.0074	0.0063	0.0008	0.0029	0.0014
Re (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	18-Jul-23	15:49	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	18-Jul-23	15:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-3 6 Wk#10	12: CV5-WR-HCT-3 9 Wk#10	13: CV5-WR-HCT-5 0 Wk#10	14: CV5-WR-HCT-5 6 Wk#10	15: CV5-WR-HCT-5 9 Wk#10	16: CV5-WR-HCT-6 2 Wk#10	17: CV5-WR-HCT-6 4 Wk#10	18: CV5-WR-HCT-6 9 Wk#10
Sample Date & Time	6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23	6-Jul-23
HumCell Leachate Vol [mL]	952	972	1010	1014	984	981	1004	1014
pH [No unit]	7.64	6.97	7.53	8.04	7.05	7.69	7.16	7.77

OnLine LMS

0003406349

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10047-JUL23

Analysis	11: CV5-WR-HCT-3 6 Wk#10	12: CV5-WR-HCT-3 9 Wk#10	13: CV5-WR-HCT-5 0 Wk#10	14: CV5-WR-HCT-5 6 Wk#10	15: CV5-WR-HCT-5 9 Wk#10	16: CV5-WR-HCT-6 2 Wk#10	17: CV5-WR-HCT-6 4 Wk#10	18: CV5-WR-HCT-6 9 Wk#10
Alkalinity [mg/L as CaCO3]	7	3	15	10	3	10	7	10
Conductivity [uS/cm]	27	28	64	31	24	31	18	26
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.14	0.37	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	2	7	11	3	4	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	1.22	< 0.03	< 0.03	< 0.03	0.21	0.73	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.004	0.027	0.092	0.040	0.007	0.002	0.030	0.160
As [mg/L]	3.79	0.0395	0.0273	0.0249	0.947	2.53	0.0327	0.0212
Ba [mg/L]	0.00098	0.00032	0.00063	0.00110	0.00033	0.00097	0.00017	0.00019
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000014	0.000129
B [mg/L]	0.026	0.004	0.002	0.006	0.002	0.004	0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00053
Ca [mg/L]	3.91	3.26	10.4	4.45	2.67	4.34	2.69	4.37
Cd [mg/L]	< 0.000003	0.000015	0.000041	< 0.000003	< 0.000003	< 0.000003	0.000005	< 0.000003
Co [mg/L]	0.000215	0.000188	0.001681	0.000090	0.000643	0.000297	0.000019	0.000021
Cr [mg/L]	0.00013	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0006	0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	0.013	0.016	0.015	0.022	0.023	0.017	0.009	0.016
K [mg/L]	0.091	0.486	0.939	0.946	0.161	0.095	0.848	0.257
Li [mg/L]	0.0067	0.0225	0.0204	0.0124	0.0051	0.0010	0.0095	0.0073
Mg [mg/L]	0.958	0.513	0.504	0.532	0.726	1.25	0.177	0.142
Mn [mg/L]	0.00230	0.00231	0.0104	0.0163	0.00183	0.00369	0.00723	0.00377
Mo [mg/L]	0.00011	0.00052	0.00090	0.00018	0.00022	0.00020	0.00010	0.00009
Na [mg/L]	0.14	0.44	0.21	0.33	0.25	0.12	0.18	0.38
Ni [mg/L]	0.0147	0.0004	0.0013	< 0.0001	0.0067	0.0239	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.950	0.0350	0.104	< 0.0009	0.0167	1.95	0.0057	0.0059
Se [mg/L]	0.00007	0.00006	0.00108	< 0.00004	0.00008	0.00015	< 0.00004	0.00009
Sn [mg/L]	0.00013	< 0.00006	0.00008	< 0.00006	< 0.00006	< 0.00006	0.00009	0.00009
Sr [mg/L]	0.00762	0.0122	0.0118	0.00723	0.0151	0.00468	0.00544	0.00937
Ti [mg/L]	< 0.00007	0.00010	0.00011	0.00012	0.00013	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000008	0.000031	< 0.000005	< 0.000005	< 0.000005	0.000093	0.000013
U [mg/L]	0.000439	0.000446	0.002750	0.001136	0.001307	0.000117	0.004282	0.012015
V [mg/L]	0.00044	0.00051	0.00039	0.00081	0.00093	0.00037	0.00006	0.00026
W [mg/L]	0.00022	0.00015	0.00011	0.00043	0.00083	0.00029	0.00021	0.00024
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.004	< 0.002	0.002	< 0.002	0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0160	0.0037	0.0720	0.0301	0.0138	0.0041	0.0194	0.0041
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001	< 0.0001	0.0003	0.0005
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003406349

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-JUL23**

Analysis	11: CV5-WR-HCT-36 Wk#10	12: CV5-WR-HCT-39 Wk#10	13: CV5-WR-HCT-50 Wk#10	14: CV5-WR-HCT-56 Wk#10	15: CV5-WR-HCT-59 Wk#10	16: CV5-WR-HCT-62 Wk#10	17: CV5-WR-HCT-64 Wk#10	18: CV5-WR-HCT-69 Wk#10
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0030	0.0038	0.0272	0.0029	0.0051	0.0019	0.0474	0.0103
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	19: CV5-ORE-HCT-74 Wk#10	20: CV5-ORE-HCT-76 Wk#10
Sample Date & Time	6-Jul-23	6-Jul-23
HumCell Leachate Vol [mL]	986	960
pH [No unit]	7.09	7.46
Alkalinity [mg/L as CaCO3]	5	9
Conductivity [uS/cm]	15	23
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	< 0.06	< 0.06
SO4 [mg/L]	< 2	< 2
Cl [mg/L]	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.04	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.034	0.047
As [mg/L]	0.0379	0.0112
Ba [mg/L]	0.00010	0.00011
Be [mg/L]	< 0.000007	0.000056
B [mg/L]	< 0.002	0.004
Bi [mg/L]	< 0.00001	0.00015
Ca [mg/L]	1.62	3.30
Cd [mg/L]	0.000003	< 0.000003
Co [mg/L]	0.000016	0.000018

OnLine LMS

0003406349

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-JUL23**

Analysis	19: CV5-ORE-HCT-74 Wk#10	20: CV5-ORE-HCT-76 Wk#10
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0006
Fe [mg/L]	0.017	0.018
K [mg/L]	0.366	0.854
Li [mg/L]	0.0262	0.0187
Mg [mg/L]	0.047	0.196
Mn [mg/L]	0.0381	0.00344
Mo [mg/L]	0.00011	0.00021
Na [mg/L]	0.30	0.28
Ni [mg/L]	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0326	0.0031
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	0.00007	0.00007
Sr [mg/L]	0.00272	0.00886
Ti [mg/L]	< 0.00007	< 0.00007
Tl [mg/L]	0.000056	0.000042
U [mg/L]	0.006351	0.004507
V [mg/L]	0.00002	0.00012
W [mg/L]	0.00014	0.00030
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0203	0.0118
Dy (tot) [mg/L]	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0004	0.0003
Gd (tot) [mg/L]	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0346	0.0212
Re (tot) [mg/L]	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001

OnLine LIMS

0003406349

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-JUL23**

Analysis	19: CV5-ORE-HCT-74 Wk#10	20: CV5-ORE-HCT-76 Wk#10
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 May 2023
LR Report: **CA10047-MAY23**
Reference: Wk#1 - Patriot Tailings- Long - (9.5mm fraction size)

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#1	6: CV5-DMS-HC T-84 Wk#1
Sample Date & Time			04-May-23	04-May-23
HumCell Leachate Vol [mL]	04-May-23	18:10	987	959
pH [No unit]	09-May-23	11:00	6.84	6.86
Alkalinity [mg/L as CaCO3]	09-May-23	11:00	3	4
Conductivity [uS/cm]	09-May-23	11:00	14	16
Acidity [mg/L as CaCO3]	09-May-23	11:00	< 2	< 2
F [mg/L]	05-May-23	10:49	< 0.06	< 0.06
SO4 [mg/L]	11-May-23	15:20	< 2	< 2
Cl [mg/L]	11-May-23	15:20	< 1	< 1
NO2 [as N mg/L]	09-May-23	12:45	< 0.03	< 0.03
NO3 [as N mg/L]	09-May-23	12:45	< 0.06	< 0.06
Br [mg/L]	09-May-23	12:45	< 0.3	< 0.3
Tot.Reactive P [mg/L]	12-May-23	09:38	< 0.03	< 0.03
Hg [mg/L]	09-May-23	09:56	< 0.00001	< 0.00001
Ag [mg/L]	11-May-23	14:00	< 0.00005	< 0.00005
Al [mg/L]	11-May-23	14:00	0.045	0.047
As [mg/L]	11-May-23	14:00	0.0909	0.0448
Ba [mg/L]	11-May-23	14:00	0.00027	0.00022
Be [mg/L]	11-May-23	14:00	0.000028	0.000027
B [mg/L]	11-May-23	14:00	0.005	0.007
Bi [mg/L]	11-May-23	14:00	0.00011	0.00011
Ca [mg/L]	11-May-23	14:00	1.33	1.42
Cd [mg/L]	11-May-23	14:00	< 0.000003	< 0.000003
Co [mg/L]	11-May-23	14:00	0.000049	0.000060
Cr [mg/L]	11-May-23	14:00	0.00010	0.00012
Cu [mg/L]	11-May-23	14:00	0.0010	0.0010

OnLine LIMS

0003335919

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#1	6: CV5-DMS-HCT-84 Wk#1
Fe [mg/L]	11-May-23	14:00	< 0.007	< 0.007
K [mg/L]	11-May-23	14:00	0.726	0.773
Li [mg/L]	11-May-23	14:00	0.0424	0.0466
Mg [mg/L]	11-May-23	14:00	0.075	0.079
Mn [mg/L]	11-May-23	14:00	0.00263	0.00302
Mo [mg/L]	11-May-23	14:00	0.00164	0.00125
Na [mg/L]	11-May-23	14:00	1.15	1.20
Ni [mg/L]	11-May-23	14:00	0.0003	0.0004
Pb [mg/L]	11-May-23	14:00	< 0.00009	< 0.00009
Sb [mg/L]	11-May-23	14:00	0.0117	0.0099
Se [mg/L]	11-May-23	14:00	0.00014	< 0.00004
Sn [mg/L]	11-May-23	14:00	0.00032	0.00020
Sr [mg/L]	11-May-23	14:00	0.00321	0.00356
Ti [mg/L]	11-May-23	14:00	0.00006	< 0.00005
Tl [mg/L]	11-May-23	14:00	0.000037	0.000041
U [mg/L]	11-May-23	14:00	0.0166	0.0174
V [mg/L]	11-May-23	14:00	0.00018	0.00012
W [mg/L]	11-May-23	14:00	0.00126	0.00126
Y [mg/L]	11-May-23	14:00	< 0.00002	< 0.00002
Zn [mg/L]	11-May-23	14:00	0.014	0.008
Au (tot) [mg/L]	11-May-23	14:00	< 0.00001	< 0.00001
Ce (tot) [mg/L]	16-May-23	15:18	0.00004	0.00004
Cs (tot) [mg/L]	11-May-23	14:00	0.0031	0.0035
Dy (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Er (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Eu (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Ga (tot) [mg/L]	16-May-23	15:18	0.0002	0.0002
Gd (tot) [mg/L]	16-May-23	15:18	< 0.00001	< 0.00001
Ge (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Hf (tot) [mg/L]	11-May-23	14:00	< 0.0001	< 0.0001
Ho (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
In (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Ir (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
La (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Lu (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Nb (tot) [mg/L]	11-May-23	14:00	< 0.0001	< 0.0001
Nd (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Os (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Pd (tot) [mg/L]	11-May-23	14:00	< 0.0001	< 0.0001
Pr (tot) [mg/L]	16-May-23	15:18	< 0.0001	< 0.0001
Pt (tot) [mg/L]	11-May-23	14:00	< 0.0001	< 0.0001
Rb (tot) [mg/L]	11-May-23	14:00	0.0343	0.0373

OnLine LIMS

0003335919

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#1	6: CV5-DMS-HC T-84 Wk#1
Re (tot) [mg/L]	16-May-23	15:19	< 0.0001	< 0.0001
Rh (tot) [mg/L]	11-May-23	14:00	< 0.00001	< 0.00001
Sc (tot) [mg/L]	16-May-23	15:19	< 0.0001	< 0.0001
Sm (tot) [mg/L]	16-May-23	15:19	< 0.0001	< 0.0001
Ta (tot) [mg/L]	11-May-23	14:00	< 0.0001	< 0.0001
Tb (tot) [mg/L]	16-May-23	15:19	< 0.0001	< 0.0001
Te (tot) [mg/L]	11-May-23	14:00	< 0.0001	< 0.0001
Th (tot) [mg/L]	11-May-23	14:00	< 0.0001	< 0.0001
Tm (tot) [mg/L]	16-May-23	15:19	< 0.0001	< 0.0001
Yb (tot) [mg/L]	16-May-23	15:19	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003335919

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

07-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 03 August 2023
LR Report: **CA10048-AUG23**
Reference: Wk#14

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#14	6: CV5-WR-HCT-5 Wk#14	7: CV5-WR-HCT-5 (DUP) Wk#14	8: CV5-WR-HCT-14 Wk#14	9: CV5-WR-HCT-22 Wk#14	10: CV5-WR-HCT-33 Wk#14
Sample Date & Time			3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23
HumCell Leachate Vol [mL]	08-Aug-23	16:11	962	937	958	1003	962	1008
pH [No unit]	09-Aug-23	11:27	6.78	7.02	6.90	7.79	6.92	7.25
Alkalinity [mg/L as CaCO3]	04-Aug-23	11:34	3	4	3	16	3	6
Conductivity [uS/cm]	04-Aug-23	11:34	24	20	16	39	11	18
Acidity [mg/L as CaCO3]	04-Aug-23	11:34	2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	08-Aug-23	08:29	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	10-Aug-23	13:52	6	3	3	2	< 2	< 2
Tot.Reactive P [mg/L]	04-Aug-23	10:50	< 0.03	0.06	0.03	< 0.03	0.09	< 0.03
Ag [mg/L]	11-Aug-23	13:43	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-Aug-23	13:43	0.028	0.023	0.027	0.137	0.034	0.057
As [mg/L]	11-Aug-23	13:43	0.0040	0.273	0.185	0.0729	0.215	0.0044
Ba [mg/L]	11-Aug-23	13:43	0.00030	0.00026	0.00022	0.00019	0.00012	0.00020
Be [mg/L]	11-Aug-23	13:43	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000009	< 0.000007
B [mg/L]	11-Aug-23	13:43	0.005	0.004	0.003	0.002	0.003	< 0.002
Bi [mg/L]	11-Aug-23	13:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11-Aug-23	13:43	3.24	2.90	2.36	6.68	1.56	2.79
Cd [mg/L]	11-Aug-23	13:43	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	11-Aug-23	13:43	0.000068	0.000139	0.000186	0.000053	0.000140	0.000045
Cr [mg/L]	22-Aug-23	09:37	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00026	< 0.00008
Cr [mg/L]	31-Aug-23	11:44	---	---	---	---	---	---
Cu [mg/L]	22-Aug-23	09:37	0.0003	0.0002	0.0003	0.0004	0.0002	0.0004
Cu [mg/L]	31-Aug-23	11:44	---	---	---	---	---	---
Fe [mg/L]	22-Aug-23	09:37	< 0.007	< 0.007	< 0.007	< 0.007	---	< 0.007
Fe [mg/L]	22-Aug-23	09:37	---	---	---	---	0.010	---
K [mg/L]	11-Aug-23	13:43	0.403	0.193	0.150	0.083	0.085	0.106
Li [mg/L]	11-Aug-23	13:43	0.0138	0.0157	0.0130	0.0061	0.0102	0.0061
Mg [mg/L]	22-Aug-23	09:37	0.404	0.363	0.278	0.422	0.267	0.189
Mn [mg/L]	22-Aug-23	09:37	0.00156	0.00217	0.00224	0.00364	0.00117	0.00609
Mn [mg/L]	31-Aug-23	11:44	---	---	---	---	---	---
Mo [mg/L]	11-Aug-23	13:44	0.00079	0.00014	0.00021	0.00016	0.00051	0.00013
Mo [mg/L]	31-Aug-23	15:01	---	---	---	---	---	---
Na [mg/L]	11-Aug-23	13:44	0.36	0.16	0.14	0.52	0.37	0.24
Ni [mg/L]	22-Aug-23	09:36	0.0002	0.0011	0.0008	0.0003	0.0007	0.0002

OnLine LIMS

00034586699

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10048-AUG23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#14	6: CV5-WR-HCT-5 Wk#14	7: CV5-WR-HCT-5 (DUP) Wk#14	8: CV5-WR-HCT-1 4 Wk#14	9: CV5-WR-HCT-2 2 Wk#14	10: CV5-WR-HCT-3 3 Wk#14
Pb [mg/L]	22-Aug-23	09:41	< 0.00009	< 0.00009	0.00013	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	22-Aug-23	09:36	0.0037	0.0587	0.0366	0.0140	0.0110	0.0032
Se [mg/L]	22-Aug-23	09:41	0.00018	0.00008	0.00006	0.00020	0.00005	0.00014
Sn [mg/L]	22-Aug-23	09:36	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00011
Sn [mg/L]	31-Aug-23	11:45	---	---	---	---	---	---
Sr [mg/L]	11-Aug-23	13:44	0.0125	0.00786	0.00699	0.00758	0.00586	0.00342
Sr [mg/L]	31-Aug-23	11:45	---	---	---	---	---	---
Ti [mg/L]	11-Aug-23	13:44	0.00017	0.00016	0.00017	0.00038	0.00053	0.00023
Tl [mg/L]	11-Aug-23	13:44	< 0.000005	0.000005	0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	11-Aug-23	13:45	0.000082	0.000026	0.000019	0.000098	0.000158	0.00227
U [mg/L]	31-Aug-23	15:01	---	---	---	---	---	---
V [mg/L]	11-Aug-23	13:45	0.00032	0.00066	0.00055	0.00420	0.00128	0.00095
W [mg/L]	11-Aug-23	13:45	0.00008	0.00010	0.00017	0.00004	0.00006	0.00010
Y [mg/L]	11-Aug-23	13:45	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	11-Aug-23	13:45	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-3 6 Wk#14	12: CV5-WR-HCT-3 9 Wk#14	13: CV5-WR-HCT-5 0 Wk#14	14: CV5-WR-HCT-5 6 Wk#14	15: CV5-WR-HCT-5 9 Wk#14	16: CV5-WR-HCT-6 2 Wk#14	17: CV5-WR-HCT-6 4 Wk#14	18: CV5-WR-HCT-6 9 Wk#14
Sample Date & Time	3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23	3-Aug-23
HumCell Leachate Vol [mL]	977	954	1016	940	927	914	936	977
pH [No unit]	7.29	6.61	7.36	7.45	6.80	7.39	7.20	7.26
Alkalinity [mg/L as CaCO3]	7	2	13	8	2	8	3	7
Conductivity [uS/cm]	22	23	58	28	21	24	6	15
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	3	< 2	< 2	< 2
F [mg/L]	< 0.06	0.13	0.34	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	< 2	6	10	4	4	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.91	< 0.03	< 0.03	< 0.03	0.21	0.34	0.04	< 0.03
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.003	0.024	0.077	0.044	0.019	0.001	0.036	0.096
As [mg/L]	2.57	0.0285	0.0222	0.0174	0.658	1.16	0.0141	0.0092
Ba [mg/L]	0.00072	0.00030	0.00051	0.00063	0.00032	0.00065	0.00013	0.00018
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000022	0.000178
B [mg/L]	0.017	0.003	0.002	0.004	< 0.002	0.003	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00033
Ca [mg/L]	3.22	2.90	10.0	4.20	2.86	3.59	1.13	2.88
Cd [mg/L]	< 0.000003	0.000006	0.000035	0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000211	0.000179	0.00146	0.000063	0.000696	0.000254	0.000039	0.000058
Cr [mg/L]	0.00037	< 0.00008	---	< 0.00008	0.00041	0.00012	< 0.00008	0.00016
Cr [mg/L]	---	---	< 0.00008	---	---	---	---	---
Cu [mg/L]	0.0012	0.0002	---	0.0005	0.0006	0.0008	0.0002	0.0006
Cu [mg/L]	---	---	< 0.0002	---	---	---	---	---
Fe [mg/L]	---	< 0.007	---	---	0.024	0.042	< 0.007	---
Fe [mg/L]	< 0.007	---	< 0.007	< 0.007	---	< 0.007	---	< 0.007
K [mg/L]	0.068	0.357	0.644	0.692	0.101	0.057	0.433	0.159
Li [mg/L]	0.0043	0.0164	0.0147	0.0081	0.0029	0.0005	0.0036	0.0045
Mg [mg/L]	0.751	0.420	0.339	0.461	0.530	0.834	0.074	0.087
Mn [mg/L]	0.00311	0.00185	---	0.0149	0.00191	0.00380	0.00317	0.00491
Mn [mg/L]	---	---	0.00899	---	---	---	---	---
Mo [mg/L]	0.00033	0.00040	0.00086	0.00037	0.00037	0.00020	0.00033	0.00022
Mo [mg/L]	---	---	---	---	0.00029	---	---	---

OnLine LIMS

00034586669

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-AUG23**

Analysis	11: CV5-WR-HCT-36 Wk#14	12: CV5-WR-HCT-39 Wk#14	13: CV5-WR-HCT-50 Wk#14	14: CV5-WR-HCT-56 Wk#14	15: CV5-WR-HCT-59 Wk#14	16: CV5-WR-HCT-62 Wk#14	17: CV5-WR-HCT-64 Wk#14	18: CV5-WR-HCT-69 Wk#14
Na [mg/L]	0.10	0.31	0.20	0.24	0.17	0.07	0.11	0.29
Ni [mg/L]	0.0113	0.0004	0.0118	0.0003	0.0045	0.0084	0.0001	0.0006
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.790	0.0235	0.0703	< 0.0009	0.0083	1.14	0.0023	0.0036
Se [mg/L]	0.00007	0.00009	0.00092	0.00006	0.00005	0.00022	< 0.00004	< 0.00004
Sn [mg/L]	0.00007	< 0.00006	---	< 0.00006	0.00009	< 0.00006	0.00009	0.00008
Sn [mg/L]	---	---	< 0.00006	---	---	---	---	---
Sr [mg/L]	0.00546	0.0104	0.0103	0.00580	0.0150	0.00347	0.00204	0.00623
Sr [mg/L]	---	---	0.0103	---	---	---	---	---
Ti [mg/L]	< 0.00007	0.00021	0.00012	0.00015	0.00065	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000005	0.000006	0.000031	< 0.000005	< 0.000005	< 0.000005	0.000061	0.000012
U [mg/L]	0.000018	0.000600	0.00372	0.000387	0.000267	0.000085	0.00133	0.00828
U [mg/L]	---	---	---	---	0.000291	---	---	---
V [mg/L]	0.00033	0.00039	0.00032	0.00065	0.00064	0.00027	0.00003	0.00011
W [mg/L]	0.00014	0.00011	0.00008	0.00013	0.00040	0.00012	0.00007	0.00012
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	0.003	0.005	< 0.002	0.002	< 0.002	0.005	0.004

Analysis	19: CV5-ORE-HCT-74 Wk#14	20: CV5-ORE-HCT-76 Wk#14
Sample Date & Time	3-Aug-23	3-Aug-23
HumCell Leachate Vol [mL]	985	939
pH [No unit]	6.88	7.24
Alkalinity [mg/L as CaCO3]	3	7
Conductivity [uS/cm]	8	17
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	< 0.06	< 0.06
SO4 [mg/L]	< 2	< 2
Tot.Reactive P [mg/L]	0.03	0.03
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.033	0.048
As [mg/L]	0.0255	0.0077
Ba [mg/L]	0.00008	0.00014
Be [mg/L]	< 0.000007	0.000064
B [mg/L]	< 0.002	0.003
Bi [mg/L]	< 0.00001	0.00011
Ca [mg/L]	1.31	2.70
Cd [mg/L]	0.000005	< 0.000003
Co [mg/L]	0.000014	0.000030
Cr [mg/L]	< 0.00008	0.00050
Cr [mg/L]	---	---
Cu [mg/L]	0.0004	0.0008
Cu [mg/L]	---	---
Fe [mg/L]	0.007	---
Fe [mg/L]	---	0.048
K [mg/L]	0.239	0.630
Li [mg/L]	0.0162	0.0128
Mg [mg/L]	0.033	0.153
Mn [mg/L]	0.0316	0.00345
Mn [mg/L]	---	---

OnLine LIMS

00034586699

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-AUG23**

Analysis	19: CV5-ORE-HCT-74 Wk#14	20: CV5-ORE-HCT-76 Wk#14
Mo [mg/L]	0.00022	0.00015
Mo [mg/L]	---	---
Na [mg/L]	0.22	0.22
Ni [mg/L]	< 0.0001	0.0011
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0253	0.0024
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	0.00007
Sn [mg/L]	---	---
Sr [mg/L]	0.00197	0.00697
Sr [mg/L]	---	---
Ti [mg/L]	< 0.00007	< 0.00007
Tl [mg/L]	0.000041	0.000032
U [mg/L]	0.00398	0.00217
U [mg/L]	---	---
V [mg/L]	0.00003	0.00008
W [mg/L]	0.00009	0.00016
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	0.005	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00034586699

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 May 2023
LR Report: **CA10048-MAY23**
Reference: Wk#1 - Patriot WR - Long

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#1	6: CV5-WR-HCT-5 Wk#1	7: CV5-WR-HCT-5 (DUP) Wk#1	8: CV5-WR-HCT-14 Wk#1	9: CV5-WR-HCT-22 Wk#1	10: CV5-WR-HCT-33 Wk#1
Sample Date & Time			04-May-23	04-May-23	04-May-23	04-May-23	04-May-23	04-May-23
HumCell Leachate Vol [mL]	04-May-23	18:10	930	927	957	978	939	956
pH [No unit]	09-May-23	11:00	7.75	8.02	7.84	8.63	7.44	8.57
Alkalinity [mg/L as CaCO3]	09-May-23	11:00	8	9	8	24	7	14
Conductivity [uS/cm]	09-May-23	11:00	50	40	36	81	31	37
Acidity [mg/L as CaCO3]	09-May-23	11:00	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	05-May-23	10:50	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	11-May-23	15:21	8	6	5	6	3	< 2
Cl [mg/L]	11-May-23	15:21	7	3	2	10	3	< 1
NO2 [as N mg/L]	09-May-23	12:46	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	09-May-23	12:46	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	09-May-23	12:46	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	12-May-23	09:38	< 0.03	0.05	0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	09-May-23	09:56	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	15-May-23	11:06	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	15-May-23	11:06	0.061	0.042	0.040	0.115	0.040	0.060
As [mg/L]	15-May-23	11:06	0.0036	0.324	0.233	0.0817	0.180	0.0041
Ba [mg/L]	15-May-23	11:06	0.00043	0.00048	0.00039	0.00038	0.00014	0.00032
Be [mg/L]	15-May-23	11:06	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	15-May-23	11:06	0.023	0.025	0.027	0.028	0.016	0.014
Bi [mg/L]	15-May-23	11:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	15-May-23	11:06	3.71	3.78	3.35	7.08	2.86	4.08
Cd [mg/L]	15-May-23	11:06	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000005	< 0.000003
Co [mg/L]	15-May-23	11:06	0.000040	0.000100	0.000079	0.000052	0.000053	0.000042
Cr [mg/L]	15-May-23	11:06	0.00017	0.00038	< 0.00008	0.00012	0.00017	0.00016
Cu [mg/L]	15-May-23	11:06	0.0004	0.0004	0.0003	< 0.0002	0.0004	0.0007
Fe [mg/L]	15-May-23	11:06	0.007	0.008	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	15-May-23	11:06	1.20	0.634	0.604	0.389	0.266	0.551
Li [mg/L]	15-May-23	11:06	0.0463	0.170	0.137	0.0166	0.0229	0.0262
Mg [mg/L]	15-May-23	11:06	0.642	0.577	0.514	0.903	0.368	0.335
Mn [mg/L]	15-May-23	11:06	0.00204	0.00355	0.00368	0.00225	0.00078	0.0113
Mo [mg/L]	15-May-23	11:06	0.00064	0.00026	0.00020	0.00036	0.00083	0.00048
Na [mg/L]	15-May-23	11:06	4.56	2.89	2.58	8.65	3.10	3.46
Ni [mg/L]	15-May-23	11:06	0.0004	0.0018	0.0016	0.0006	0.0005	0.0002

OnLine LIMS

00033360084

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#1	6: CV5-WR-HCT-5 Wk#1	7: CV5-WR-HCT-5 (DUP) Wk#1	8: CV5-WR-HCT-14 Wk#1	9: CV5-WR-HCT-22 Wk#1	10: CV5-WR-HCT-33 Wk#1
Pb [mg/L]	15-May-23	11:06	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	15-May-23	11:07	0.0109	0.243	0.141	0.0559	0.0234	0.0142
Se [mg/L]	15-May-23	11:07	0.00045	0.00027	0.00015	0.00026	0.00008	0.00009
Sn [mg/L]	15-May-23	11:07	0.00057	0.00062	0.00014	0.00034	0.00012	0.00095
Sr [mg/L]	15-May-23	11:07	0.0182	0.0146	0.0135	0.0166	0.0102	0.00593
Ti [mg/L]	15-May-23	11:07	0.00035	0.00042	0.00018	0.00013	0.00023	0.00045
Tl [mg/L]	15-May-23	11:07	< 0.000005	0.000005	0.000005	< 0.000005	0.000006	0.000005
U [mg/L]	15-May-23	11:07	0.000263	0.000142	0.000030	0.000416	0.000080	0.00163
V [mg/L]	15-May-23	11:07	0.00066	0.00143	0.00114	0.00591	0.00193	0.00202
W [mg/L]	15-May-23	11:07	0.00063	0.00154	0.00333	0.00051	0.00057	0.00210
Y [mg/L]	15-May-23	11:07	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	15-May-23	11:07	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	15-May-23	11:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	16-May-23	15:24	0.00001	0.00001	< 0.00001	< 0.00001	0.00002	0.00001
Cs (tot) [mg/L]	15-May-23	11:07	0.0143	0.0270	0.0270	0.0064	0.0106	0.0114
Dy (tot) [mg/L]	16-May-23	15:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	16-May-23	15:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	16-May-23	15:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	16-May-23	15:24	< 0.0001	< 0.0001	< 0.0001	0.0004	< 0.0001	0.0001
Gd (tot) [mg/L]	16-May-23	15:24	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	16-May-23	15:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	15-May-23	11:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	15-May-23	11:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	15-May-23	11:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	15-May-23	11:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	15-May-23	11:08	0.0139	0.0139	0.0134	0.0029	0.0051	0.0039
Re (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	15-May-23	11:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	15-May-23	11:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	15-May-23	11:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	15-May-23	11:08	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	16-May-23	15:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-36 Wk#1	12: CV5-WR-HCT-39 Wk#1	13: CV5-WR-HCT-50 Wk#1	14: CV5-WR-HCT-56 Wk#1	15: CV5-WR-HCT-59 Wk#1	16: CV5-WR-HCT-62 Wk#1	17: CV5-WR-HCT-6 4 Wk#1	18: CV5-WR-HCT-69 Wk#1
Sample Date & Time	04-May-23	04-May-23	04-May-23	04-May-23	04-May-23	04-May-23	04-May-23	04-May-23
HumCell Leachate Vol [mL]	1004	925	992	932	953	970	947	988
pH [No unit]	7.94	7.30	7.48	7.95	7.12	7.67	7.40	8.17

OnLine LNMS

0003336084

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAY23**

Analysis	11: CV5-WR-HCT-36 Wk#1	12: CV5-WR-HCT-39 Wk#1	13: CV5-WR-HCT-50 Wk#1	14: CV5-WR-HCT-56 Wk#1	15: CV5-WR-HCT-59 Wk#1	16: CV5-WR-HCT-62 Wk#1	17: CV5-WR-HCT-64 Wk#1	18: CV5-WR-HCT-69 Wk#1
Alkalinity [mg/L as CaCO3]	26	7	21	13	7	14	12	29
Conductivity [uS/cm]	80	59	164	39	27	65	47	58
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.21	0.34	< 0.06	< 0.06	< 0.06	0.24	0.19
SO4 [mg/L]	3	16	53	2	4	3	< 2	3
Cl [mg/L]	7	2	5	4	3	10	6	6
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	6.36	< 0.03	< 0.03	< 0.03	0.04	1.58	0.14	0.10
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.006	0.063	0.095	0.064	0.012	0.002	0.051	0.176
As [mg/L]	19.6	0.0479	0.0386	0.0049	0.306	6.15	0.526	0.236
Ba [mg/L]	0.00304	0.00048	0.00260	0.00095	0.00040	0.00191	0.00014	0.00034
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	0.000020	0.000366
B [mg/L]	0.140	0.016	0.025	0.019	0.009	0.015	0.076	0.103
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00075
Ca [mg/L]	6.98	4.50	15.9	4.11	2.39	4.80	2.08	3.76
Cd [mg/L]	0.000003	< 0.000003	0.000018	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003
Co [mg/L]	0.000470	0.000081	0.001907	0.000033	0.000179	0.000097	0.000084	0.000090
Cr [mg/L]	0.00029	0.00010	0.00093	0.00011	0.00025	0.00009	0.00021	0.00015
Cu [mg/L]	< 0.0002	0.0004	0.0003	0.0002	0.0002	< 0.0002	0.0009	0.0035
Fe [mg/L]	0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.550	1.42	7.65	2.40	0.402	0.505	3.22	1.18
Li [mg/L]	0.0365	0.0769	0.221	0.0391	0.0072	0.0017	0.206	0.0990
Mg [mg/L]	5.73	0.604	2.78	0.398	0.714	2.91	0.219	0.217
Mn [mg/L]	0.00634	0.00235	0.0163	0.0122	0.00188	0.00497	0.00503	0.00290
Mo [mg/L]	0.00028	0.00523	0.00923	0.00056	0.00032	0.00196	0.00127	0.00148
Na [mg/L]	2.90	5.29	6.37	2.40	1.87	3.99	5.64	9.64
Ni [mg/L]	0.188	0.0009	0.0091	0.0003	0.0022	0.0524	0.0007	0.0004
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	3.53	0.0898	0.592	0.0014	0.0125	3.14	0.0546	0.0572
Se [mg/L]	0.00019	0.00049	0.00406	0.00010	0.00009	0.00034	< 0.00004	0.00043
Sn [mg/L]	0.00065	0.00201	0.00026	0.00012	0.00016	0.00029	0.00073	0.00131
Sr [mg/L]	0.0297	0.0192	0.0417	0.00692	0.0174	0.00804	0.00638	0.0119
Ti [mg/L]	0.00009	0.00024	0.00019	0.00028	0.00026	< 0.00005	< 0.00005	0.00013
Tl [mg/L]	0.000018	0.000006	0.000047	0.000009	< 0.000005	0.000006	0.000263	0.000042
U [mg/L]	0.000946	0.00177	0.00558	0.00257	0.000155	0.000117	0.0292	0.101
V [mg/L]	0.00213	0.00078	0.00042	0.00136	0.00100	0.00090	0.00028	0.00089
W [mg/L]	0.00154	0.00094	0.00030	0.00433	0.00443	0.00149	0.0102	0.00867
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00008
Zn [mg/L]	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002	0.003	< 0.002
Au (tot) [mg/L]	0.00009	< 0.00001	0.00010	0.00005	0.00001	0.00005	0.00001	0.00008
Ce (tot) [mg/L]	< 0.00001	0.00002	0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00006
Cs (tot) [mg/L]	0.0605	0.0091	0.183	0.0247	0.0226	0.0122	0.0362	0.0096
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	0.0003	0.0016
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003
Ge (tot) [mg/L]	0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003336084

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAY23**

Analysis	11: CV5-WR-HCT-36 Wk#1	12: CV5-WR-HCT-39 Wk#1	13: CV5-WR-HCT-50 Wk#1	14: CV5-WR-HCT-56 Wk#1	15: CV5-WR-HCT-59 Wk#1	16: CV5-WR-HCT-62 Wk#1	17: CV5-WR-HCT-6 4 Wk#1	18: CV5-WR-HCT-69 Wk#1
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0009
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0156	0.0107	0.154	0.0061	0.0099	0.0071	0.144	0.0362
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0003
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0004
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	19: CV5-ORE-HCT-7 4 Wk#1	20: CV5-ORE-HCT-7 6 Wk#1
Sample Date & Time	04-May-23	04-May-23
HumCell Leachate Vol [mL]	1004	993
pH [No unit]	7.59	8.03
Alkalinity [mg/L as CaCO3]	17	24
Conductivity [uS/cm]	94	74
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	0.41	0.34
SO4 [mg/L]	< 2	5
Cl [mg/L]	26	11
NO2 [as N mg/L]	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.68	0.04
Hg [mg/L]	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.096	0.079
As [mg/L]	1.39	0.0813
Ba [mg/L]	0.00023	0.00022
Be [mg/L]	0.000036	0.000148
B [mg/L]	0.075	0.059
Bi [mg/L]	0.00001	0.00028
Ca [mg/L]	0.87	4.11
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000107	0.000063

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAY23**

Analysis	19: CV5-ORE-HCT-7 4 Wk#1	20: CV5-ORE-HCT-7 6 Wk#1
Cr [mg/L]	0.00014	0.00022
Cu [mg/L]	0.0015	0.0011
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	2.46	2.85
Li [mg/L]	0.918	0.312
Mg [mg/L]	0.057	0.290
Mn [mg/L]	0.0116	0.00523
Mo [mg/L]	0.00058	0.00142
Na [mg/L]	16.2	10.3
Ni [mg/L]	0.0004	0.0002
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.224	0.0188
Se [mg/L]	< 0.00004	0.00008
Sn [mg/L]	0.00248	0.00046
Sr [mg/L]	0.00310	0.0135
Ti [mg/L]	0.00010	0.00006
Tl [mg/L]	0.000256	0.000108
U [mg/L]	0.0539	0.0113
V [mg/L]	0.00021	0.00042
W [mg/L]	0.00569	0.00636
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00001
Cs (tot) [mg/L]	0.0868	0.0266
Dy (tot) [mg/L]	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0006	0.0006
Gd (tot) [mg/L]	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001
Hf (tot) [mg/L]	0.0001	0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.186	0.0615
Re (tot) [mg/L]	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001
Sc (tot) [mg/L]	0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001
Ta (tot) [mg/L]	0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	0.0004

OnLine LIMS

0003336084

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAY23**

Analysis	19: CV5-ORE-HCT-74 Wk#1	20: CV5-ORE-HCT-76 Wk#1
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

24-October-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 October 2023
LR Report: **CA10049-OCT23**
Reference: Wk#23

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#23	6: CV5-DMS-HCT-84 Wk#23
Sample Date & Time			05-Oct-23	05-Oct-23
HumCell Leachate Vol [mL]	11-Oct-23	19:35	982	964
pH [No unit]	11-Oct-23	09:52	6.32	6.42
Alkalinity [mg/L as CaCO3]	11-Oct-23	09:52	< 2	< 2
Conductivity [uS/cm]	11-Oct-23	09:52	2	2
Acidity [mg/L as CaCO3]	12-Oct-23	13:24	2	2
Tot.Reactive P [mg/L]	06-Oct-23	11:15	< 0.03	< 0.03
SO4 [mg/L]	20-Oct-23	14:59	< 2	< 2
Ag [mg/L]	23-Oct-23	15:35	< 0.00005	< 0.00005
Al [mg/L]	23-Oct-23	15:35	0.016	0.018
As [mg/L]	23-Oct-23	15:35	0.0064	0.0048
Ba [mg/L]	23-Oct-23	15:35	< 0.00008	< 0.00008
Be [mg/L]	23-Oct-23	15:35	< 0.000007	0.000007
B [mg/L]	23-Oct-23	15:35	< 0.002	< 0.002
Bi [mg/L]	23-Oct-23	15:35	0.00003	0.00003
Ca [mg/L]	23-Oct-23	15:35	0.35	0.38
Cd [mg/L]	23-Oct-23	15:35	0.000008	< 0.000003
Co [mg/L]	23-Oct-23	15:35	< 0.000004	< 0.000004
Cr [mg/L]	23-Oct-23	15:35	< 0.00008	< 0.00008
Cu [mg/L]	23-Oct-23	15:35	0.0002	0.0027
Fe [mg/L]	23-Oct-23	15:35	< 0.007	< 0.007
K [mg/L]	23-Oct-23	15:35	0.089	0.093
Li [mg/L]	23-Oct-23	15:35	0.0009	0.0010
Mg [mg/L]	23-Oct-23	15:35	0.017	0.017
Mn [mg/L]	23-Oct-23	15:35	0.00094	0.00166
Mo [mg/L]	23-Oct-23	15:35	0.0158	0.00047
Na [mg/L]	23-Oct-23	15:35	0.04	0.03
Ni [mg/L]	23-Oct-23	15:35	< 0.0001	< 0.0001
Pb [mg/L]	23-Oct-23	15:35	< 0.00009	0.00011
Sb [mg/L]	23-Oct-23	15:35	0.0021	0.0020
Se [mg/L]	23-Oct-23	15:35	< 0.00004	< 0.00004
Sn [mg/L]	23-Oct-23	15:35	< 0.00006	< 0.00006
Sr [mg/L]	23-Oct-23	15:35	0.00102	0.00101
Ti [mg/L]	23-Oct-23	15:35	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10049-OCT23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#23	6: CV5-DMS-HCT-84 Wk#23
Tl [mg/L]	23-Oct-23	15:35	0.000011	0.000013
U [mg/L]	23-Oct-23	15:35	0.00176	0.00180
V [mg/L]	23-Oct-23	15:35	0.00001	0.00001
W [mg/L]	23-Oct-23	15:35	0.00003	0.00003
Y [mg/L]	23-Oct-23	15:35	< 0.00002	< 0.00002
Zn [mg/L]	23-Oct-23	15:35	< 0.002	0.002

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003511188

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

26-October-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 October 2023
LR Report: **CA10050-OCT23**
Reference: Wk#23

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#23	6: CV5-WR-HCT-5 Wk#23	7: CV5-WR-HCT-5 (DUP) Wk#23	8: CV5-WR-HCT-14 Wk#23
Sample Date & Time			05-Oct-23	05-Oct-23	05-Oct-23	05-Oct-23
HumCell Leachate Vol [mL]	11-Oct-23	19:35	926	906	945	997
pH [No unit]	09-Oct-23	10:05	6.70	6.96	6.80	7.58
Alkalinity [mg/L as CaCO3]	06-Oct-23	12:44	3	5	4	13
Conductivity [uS/cm]	06-Oct-23	12:44	24	19	15	29
Acidity [mg/L as CaCO3]	11-Oct-23	09:53	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	06-Oct-23	11:15	< 0.03	0.05	0.04	< 0.03
SO4 [mg/L]	24-Oct-23	13:15	6	3	3	< 2
Ag [mg/L]	23-Oct-23	15:37	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	23-Oct-23	15:37	0.030	0.028	0.028	0.101
As [mg/L]	26-Oct-23	11:55	0.0057	0.248	0.168	0.0437
Ba [mg/L]	23-Oct-23	15:37	0.00019	0.00016	0.00012	0.00018
Be [mg/L]	23-Oct-23	15:37	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	23-Oct-23	15:37	0.003	0.002	0.002	< 0.002
Bi [mg/L]	23-Oct-23	15:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	23-Oct-23	15:37	3.33	2.76	2.10	5.73
Cd [mg/L]	23-Oct-23	15:37	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	23-Oct-23	15:37	0.000073	0.000136	0.000180	0.000057
Cr [mg/L]	23-Oct-23	15:37	< 0.00008	0.00008	< 0.00008	< 0.00008
Cu [mg/L]	23-Oct-23	15:37	0.0012	0.0005	0.0005	0.0016
Fe [mg/L]	23-Oct-23	15:37	< 0.007	< 0.007	< 0.007	0.011
K [mg/L]	23-Oct-23	15:37	0.292	0.136	0.103	0.048
Li [mg/L]	23-Oct-23	15:37	0.0114	0.0127	0.0100	0.0047
Mg [mg/L]	23-Oct-23	15:37	0.425	0.285	0.229	0.265
Mn [mg/L]	23-Oct-23	15:37	0.00098	0.00131	0.00128	0.00579
Mo [mg/L]	26-Oct-23	11:55	0.00027	0.00005	0.00068	0.00081
Na [mg/L]	23-Oct-23	15:37	0.20	0.08	0.07	0.23
Ni [mg/L]	23-Oct-23	15:37	0.0002	0.0010	0.0007	0.0002

OnLine LIMS

0003514006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10050-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#23	6: CV5-WR-HCT-5 Wk#23	7: CV5-WR-HCT-5 (DUP) Wk#23	8: CV5-WR-HCT-14 Wk#23
Pb [mg/L]	23-Oct-23	15:37	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	23-Oct-23	15:37	0.0039	0.0558	0.0310	0.0073
Se [mg/L]	23-Oct-23	15:37	0.00022	0.00008	0.00007	0.00012
Sn [mg/L]	23-Oct-23	15:37	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	23-Oct-23	15:37	0.0115	0.00677	0.00593	0.00521
Ti [mg/L]	23-Oct-23	15:37	0.00013	0.00014	0.00011	0.00041
Tl [mg/L]	23-Oct-23	15:37	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	26-Oct-23	11:56	0.000068	0.000025	0.00241	0.000703
V [mg/L]	23-Oct-23	15:37	0.00039	0.00061	0.00052	0.00285
W [mg/L]	23-Oct-23	15:37	0.00006	0.00008	0.00008	0.00003
Y [mg/L]	23-Oct-23	15:37	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	23-Oct-23	15:37	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#23	10: CV5-WR-HCT-33 Wk#23	11: CV5-WR-HCT-36 Wk#23	12: CV5-WR-HCT-39 Wk#23	13: CV5-WR-HCT-50 Wk#23	14: CV5-WR-HCT-56 Wk#23
Sample Date & Time	05-Oct-23	05-Oct-23	05-Oct-23	05-Oct-23	05-Oct-23	05-Oct-23
HumCell Leachate Vol [mL]	1011	981	984	926	971	941
pH [No unit]	6.86	7.08	7.15	6.64	6.66	7.26
Alkalinity [mg/L as CaCO3]	4	5	6	2	4	6
Conductivity [uS/cm]	11	12	19	21	33	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	7	< 2
Tot.Reactive P [mg/L]	0.04	< 0.03	0.54	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	6	8	5
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.024	0.074	0.003	0.047	0.024	0.038
As [mg/L]	0.195	0.0038	1.64	0.0316	0.0064	0.0189
Ba [mg/L]	< 0.00008	0.00013	0.00074	0.00030	0.00026	0.00038
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.002	< 0.002	0.009	0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.71	2.29	2.84	2.78	5.66	3.94
Cd [mg/L]	0.000004	< 0.000003	< 0.000003	0.000010	0.000027	< 0.000003
Co [mg/L]	0.000137	0.000056	0.000266	0.000183	0.001361	0.000050
Cr [mg/L]	0.00013	< 0.00008	0.00013	0.00010	< 0.00008	< 0.00008
Cu [mg/L]	0.0011	0.0015	< 0.0002	0.0012	0.0004	0.0004
Fe [mg/L]	0.015	0.008	0.007	0.016	< 0.007	< 0.007
K [mg/L]	0.060	0.053	0.056	0.284	0.191	0.348
Li [mg/L]	0.0076	0.0034	0.0031	0.0137	0.0093	0.0050
Mg [mg/L]	0.245	0.108	0.641	0.394	0.135	0.374
Mn [mg/L]	0.00032	0.00661	0.00199	0.00180	0.00558	0.00974

OnLine LIMS

0003514006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10050-OCT23**

Analysis	9: CV5-WR-HCT-22 Wk#23	10: CV5-WR-HCT-33 Wk#23	11: CV5-WR-HCT-36 Wk#23	12: CV5-WR-HCT-39 Wk#23	13: CV5-WR-HCT-50 Wk#23	14: CV5-WR-HCT-56 Wk#23
Mo [mg/L]	0.00122	0.00013	0.00084	0.00026	0.00039	0.00032
Na [mg/L]	0.15	0.10	0.04	0.17	0.09	0.09
Ni [mg/L]	0.0004	< 0.0001	0.0099	0.0004	0.0010	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00079	0.00019	< 0.00009	< 0.00009
Sb [mg/L]	0.0092	0.0018	0.629	0.0175	0.0286	< 0.0009
Se [mg/L]	0.00004	0.00009	0.00006	0.00009	0.00051	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00582	0.00231	0.00419	0.00983	0.00529	0.00504
Ti [mg/L]	0.00016	0.00055	< 0.00007	0.00058	0.00023	0.00013
Tl [mg/L]	< 0.000005	0.000005	0.000005	0.000005	0.000020	< 0.000005
U [mg/L]	0.000225	0.000318	0.000032	0.000318	0.00186	0.000517
V [mg/L]	0.00138	0.00064	0.00023	0.00043	0.00008	0.00050
W [mg/L]	0.00004	0.00005	0.00009	0.00005	< 0.00002	0.00009
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.003	0.007	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#23	16: CV5-WR-HCT-62 Wk#23	17: CV5-WR-HCT-64 Wk#23	18: CV5-WR-HCT -69 Wk#23	19: CV5-ORE-HC T-74 Wk#23	20: CV5-ORE-HCT- 76 Wk#23
Sample Date & Time	05-Oct-23	05-Oct-23	05-Oct-23	05-Oct-23	05-Oct-23	05-Oct-23
HumCell Leachate Vol [mL]	982	927	979	989	972	948
pH [No unit]	6.62	7.24	6.82	7.32	6.63	7.05
Alkalinity [mg/L as CaCO3]	2	9	4	7	2	6
Conductivity [uS/cm]	11	25	9	14	4	13
Acidity [mg/L as CaCO3]	3	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.07	0.25	< 0.03	< 0.03	< 0.03	0.03
SO4 [mg/L]	2	2	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.011	0.001	0.027	0.065	0.020	0.059
As [mg/L]	0.337	0.925	0.0091	0.0055	0.0123	0.0043
Ba [mg/L]	0.00012	0.00050	0.00009	0.00013	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	< 0.000007	0.000008	0.000089	0.000031	0.000083
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00019	< 0.00001	0.00015
Ca [mg/L]	1.39	3.13	1.40	2.46	0.84	1.99
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000004	0.000003	< 0.000003
Co [mg/L]	0.000462	0.000271	0.000016	0.000009	0.000022	0.000009
Cr [mg/L]	0.00012	0.00009	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0005	0.0005	0.0006	0.0006	0.0002	0.0010
Fe [mg/L]	< 0.007	0.007	0.060	< 0.007	< 0.007	< 0.007
K [mg/L]	0.051	0.031	0.284	0.092	0.129	0.398

OnLine LIMS

0003514006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10050-OCT23**

Analysis	15: CV5-WR-HCT-59 Wk#23	16: CV5-WR-HCT-62 Wk#23	17: CV5-WR-HCT-64 Wk#23	18: CV5-WR-HCT -69 Wk#23	19: CV5-ORE-HC T-74 Wk#23	20: CV5-ORE-HCT- 76 Wk#23
Li [mg/L]	0.0019	0.0005	0.0030	0.0028	0.0090	0.0097
Mg [mg/L]	0.298	0.805	0.076	0.055	0.018	0.115
Mn [mg/L]	0.00101	0.00227	0.00336	0.00292	0.03380	0.00143
Mo [mg/L]	0.00059	0.00202	0.00033	0.00019	0.00052	0.00023
Na [mg/L]	0.05	0.02	0.06	0.15	0.10	0.12
Ni [mg/L]	0.0033	0.0065	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0063	0.853	0.0021	0.0025	0.0144	0.0015
Se [mg/L]	< 0.00004	0.00013	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00008	0.00014
Sr [mg/L]	0.00696	0.00261	0.00253	0.00509	0.00132	0.00506
Ti [mg/L]	0.00016	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000041	0.000005	0.000032	0.000031
U [mg/L]	0.000025	0.000074	0.00127	0.00676	0.00542	0.00117
V [mg/L]	0.00042	0.00022	0.00003	0.00007	< 0.00001	0.00006
W [mg/L]	0.00017	0.00009	0.00005	0.00005	0.00004	0.00008
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003514006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

21-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 September 2023
LR Report: **CA10052-SEP23**
Reference: Wk#19

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#19	6: CV5-WR-HCT-5 Wk#19	7: CV5-WR-HCT-5 (DUP) Wk#19	8: CV5-WR-HCT-14 Wk#19
Sample Date & Time			07-Sep-23	07-Sep-23	07-Sep-23	07-Sep-23
HumCell Leachate Vol [mL]	08-Sep-23	10:48	891	884	916	980
pH [No unit]	13-Sep-23	11:09	6.82	7.39	6.84	7.51
Alkalinity [mg/L as CaCO3]	12-Sep-23	10:10	3	4	4	14
Conductivity [uS/cm]	13-Sep-23	11:10	24	19	17	33
Acidity [mg/L as CaCO3]	12-Sep-23	10:11	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	12-Sep-23	10:46	< 0.03	0.07	0.04	< 0.03
SO4 [mg/L]	08-Sep-23	13:39	6	4	4	3
Ag [mg/L]	15-Sep-23	16:36	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	15-Sep-23	16:36	0.031	0.029	0.036	0.103
As [mg/L]	15-Sep-23	16:36	0.0053	0.310	0.242	0.0525
Ba [mg/L]	15-Sep-23	16:36	0.00028	0.00032	0.00030	0.00023
Be [mg/L]	15-Sep-23	16:36	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	15-Sep-23	16:36	0.004	0.003	0.003	0.003
Bi [mg/L]	15-Sep-23	16:36	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	15-Sep-23	16:36	3.24	3.04	2.52	5.64
Cd [mg/L]	15-Sep-23	16:36	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	15-Sep-23	16:36	0.000068	0.000162	0.000166	0.000083
Cr [mg/L]	15-Sep-23	16:36	< 0.00008	0.00011	0.00012	< 0.00008
Cu [mg/L]	15-Sep-23	16:36	0.0003	0.0003	0.0005	0.0003
Fe [mg/L]	15-Sep-23	16:36	< 0.007	0.012	0.011	0.011
K [mg/L]	15-Sep-23	16:36	0.391	0.192	0.167	0.054
Li [mg/L]	15-Sep-23	16:36	0.0153	0.0172	0.0163	0.0048
Mg [mg/L]	15-Sep-23	16:36	0.615	0.415	0.373	0.316
Mn [mg/L]	15-Sep-23	16:36	0.00125	0.00165	0.00165	0.00566
Mo [mg/L]	15-Sep-23	16:36	0.00054	0.00023	0.00014	0.00019
Na [mg/L]	15-Sep-23	16:36	0.32	0.14	0.14	0.32
Ni [mg/L]	15-Sep-23	16:36	0.0004	0.0010	0.0007	0.0003

OnLine LIMS

00034744490

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10052-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#19	6: CV5-WR-HCT-5 Wk#19	7: CV5-WR-HCT-5 (DUP) Wk#19	8: CV5-WR-HCT-14 Wk#19
Pb [mg/L]	15-Sep-23	16:36	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	15-Sep-23	16:36	0.0047	0.0571	0.0368	0.0075
Se [mg/L]	15-Sep-23	16:36	0.00025	0.00008	0.00006	0.00014
Sn [mg/L]	15-Sep-23	16:36	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	15-Sep-23	16:36	0.0126	0.00826	0.00802	0.00552
Ti [mg/L]	15-Sep-23	16:36	0.00019	0.00037	0.00040	0.00051
Tl [mg/L]	15-Sep-23	16:36	< 0.000005	0.000006	0.000007	< 0.000005
U [mg/L]	15-Sep-23	16:36	0.000134	0.000054	0.00166	0.00923
V [mg/L]	15-Sep-23	16:36	0.00042	0.00073	0.00073	0.00329
W [mg/L]	15-Sep-23	16:36	0.00011	0.00011	0.00015	0.00016
Y [mg/L]	15-Sep-23	16:36	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	15-Sep-23	16:36	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#19	10: CV5-WR-HCT-33 Wk#19	11: CV5-WR-HCT-36 Wk#19	12: CV5-WR-HCT-39 Wk#19	13: CV5-WR-HCT-50 Wk#19	14: CV5-WR-HCT-56 Wk#19
Sample Date & Time	07-Sep-23	07-Sep-23	07-Sep-23	07-Sep-23	07-Sep-23	07-Sep-23
HumCell Leachate Vol [mL]	982	1000	934	897	1031	910
pH [No unit]	7.14	7.21	7.34	6.71	7.09	7.25
Alkalinity [mg/L as CaCO3]	3	6	7	2	8	6
Conductivity [uS/cm]	12	16	21	23	49	29
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.80	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	2	< 2	2	7	11	7
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.233	0.068	0.005	0.130	0.044	0.041
As [mg/L]	0.263	0.0053	2.07	0.0379	0.0133	0.0261
Ba [mg/L]	0.00023	0.00041	0.00085	0.00046	0.00058	0.00064
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.003	< 0.002	0.011	0.003	< 0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.95	3.11	3.24	3.22	9.01	4.40
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000004	0.000038	< 0.000003
Co [mg/L]	0.000125	0.000059	0.000200	0.000143	0.00228	0.000064
Cr [mg/L]	< 0.00008	< 0.00008	0.00019	0.00012	< 0.00008	0.00036
Cu [mg/L]	0.0003	0.0005	< 0.0002	< 0.0002	0.0003	0.0002
Fe [mg/L]	0.007	< 0.007	0.010	0.020	< 0.007	0.008
K [mg/L]	0.079	0.087	0.061	0.369	0.393	0.610
Li [mg/L]	0.0092	0.0057	0.0037	0.0173	0.0181	0.0080
Mg [mg/L]	0.311	0.186	0.734	0.530	0.287	0.623
Mn [mg/L]	0.00055	0.00737	0.00145	0.00169	0.0102	0.0111

OnLine LIMS

0003474490

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10052-SEP23**

Analysis	9: CV5-WR-HCT-22 Wk#19	10: CV5-WR-HCT-33 Wk#19	11: CV5-WR-HCT-36 Wk#19	12: CV5-WR-HCT-39 Wk#19	13: CV5-WR-HCT-50 Wk#19	14: CV5-WR-HCT-56 Wk#19
Mo [mg/L]	0.00050	0.00008	0.00014	0.00032	0.00054	0.00020
Na [mg/L]	0.24	0.19	0.06	0.28	0.15	0.18
Ni [mg/L]	0.0004	< 0.0001	0.0094	0.0005	0.0019	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00025	< 0.00009	< 0.00009
Sb [mg/L]	0.0117	0.0027	0.657	0.0217	0.0721	< 0.0009
Se [mg/L]	0.00005	0.00014	0.00010	0.00016	0.00090	0.00008
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00704	0.00350	0.00520	0.0119	0.00923	0.00648
Ti [mg/L]	0.00023	0.00015	0.00021	0.00072	0.00012	0.00019
Tl [mg/L]	0.000006	< 0.000005	0.000007	0.000009	0.000028	< 0.000005
U [mg/L]	0.000607	0.000133	0.000141	0.000455	0.00448	0.00124
V [mg/L]	0.00175	0.00094	0.00031	0.00052	0.00016	0.00073
W [mg/L]	0.00007	0.00011	0.00013	0.00020	0.00015	0.00017
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.007	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#19	16: CV5-WR-HCT-62 Wk#19	17: CV5-WR-HCT-64 Wk#19	18: CV5-WR-HCT-69 Wk#19	19: CV5-ORE-HCT-74 Wk#19	20: CV5-ORE-HCT-76 Wk#19
Sample Date & Time	07-Sep-23	07-Sep-23	07-Sep-23	07-Sep-23	07-Sep-23	07-Sep-23
HumCell Leachate Vol [mL]	962	901	917	1009	974	890
pH [No unit]	6.82	7.55	6.93	7.34	6.81	7.04
Alkalinity [mg/L as CaCO3]	2	10	4	8	3	5
Conductivity [uS/cm]	12	27	13	17	7	14
Acidity [mg/L as CaCO3]	3	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.13	0.45	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	3	3	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.009	0.003	0.042	0.101	0.024	0.115
As [mg/L]	0.489	1.37	0.0136	0.0108	0.0180	0.0069
Ba [mg/L]	0.00022	0.00080	0.00018	0.00030	0.00011	0.00033
Be [mg/L]	< 0.000007	< 0.000007	0.000011	0.000090	< 0.000007	0.000233
B [mg/L]	< 0.002	0.003	< 0.002	0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00036	< 0.00001	0.00021
Ca [mg/L]	1.64	3.91	1.45	3.18	0.96	1.96
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000385	0.000237	0.000019	0.000017	0.000010	0.000025
Cr [mg/L]	0.00015	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0003	< 0.0002	0.0003	0.0004	< 0.0002	0.0004
Fe [mg/L]	0.009	< 0.007	< 0.007	< 0.007	< 0.007	0.008
K [mg/L]	0.071	0.051	0.386	0.130	0.155	0.514

OnLine LMS

0003474490

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10052-SEP23**

Analysis	15: CV5-WR-HCT-59 Wk#19	16: CV5-WR-HCT-62 Wk#19	17: CV5-WR-HCT-64 Wk#19	18: CV5-WR-HCT-69 Wk#19	19: CV5-ORE-HCT-74 Wk#19	20: CV5-ORE-HCT-76 Wk#19
Li [mg/L]	0.0025	0.0007	0.0035	0.0037	0.0107	0.0114
Mg [mg/L]	0.421	1.18	0.092	0.076	0.027	0.123
Mn [mg/L]	0.00128	0.00209	0.00323	0.00327	0.0328	0.00229
Mo [mg/L]	0.00101	0.00025	0.00014	0.00013	0.00019	0.00010
Na [mg/L]	0.09	0.04	0.08	0.23	0.15	0.18
Ni [mg/L]	0.0029	0.0080	< 0.0001	0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00018
Sb [mg/L]	0.0076	1.15	0.0034	0.0030	0.0180	0.0019
Se [mg/L]	0.00004	0.00013	< 0.00004	0.00006	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	0.00012	0.00006	< 0.00006	0.00039
Sr [mg/L]	0.00879	0.00384	0.00291	0.00648	0.00162	0.00493
Ti [mg/L]	0.00028	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000056	0.000008	0.000036	0.000050
U [mg/L]	0.000037	0.000139	0.00184	0.00707	0.00265	0.00117
V [mg/L]	0.00058	0.00032	0.00003	0.00013	0.00002	0.00008
W [mg/L]	0.00031	0.00017	0.00008	0.00013	0.00008	0.00009
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003474490

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

17-December-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 December 2023
LR Report: **CA10053-DEC23**
Reference: Wk#32

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#32	6: CV5-DMS-HCT-84 Wk#32
Sample Date & Time			07-Dec-23	07-Dec-23
HumCell Leachate Vol [mL]	13-Dec-23	09:05	1030	1006
pH [No unit]	12-Dec-23	09:42	6.28	6.22
Alkalinity [mg/L as CaCO3]	12-Dec-23	09:42	< 2	< 2
Conductivity [uS/cm]	12-Dec-23	09:42	2	2
Acidity [mg/L as CaCO3]	13-Dec-23	10:52	3	2
Tot.Reactive P [mg/L]	08-Dec-23	16:12	< 0.03	< 0.03
SO4 [mg/L]	11-Dec-23	12:55	< 2	< 2
Ag [mg/L]	14-Dec-23	15:18	< 0.00005	< 0.00005
Al [mg/L]	14-Dec-23	15:18	0.014	0.012
As [mg/L]	14-Dec-23	15:18	0.0045	0.0034
Ba [mg/L]	14-Dec-23	15:18	< 0.00008	< 0.00008
Be [mg/L]	14-Dec-23	15:18	< 0.000007	0.000010
B [mg/L]	14-Dec-23	15:18	< 0.002	< 0.002
Bi [mg/L]	14-Dec-23	15:18	0.00003	0.00003
Ca [mg/L]	14-Dec-23	15:18	0.33	0.33
Cd [mg/L]	14-Dec-23	15:18	< 0.000003	< 0.000003
Co [mg/L]	14-Dec-23	15:18	< 0.000004	0.000005
Cr [mg/L]	14-Dec-23	15:18	< 0.00008	< 0.00008
Cu [mg/L]	14-Dec-23	15:18	< 0.0002	< 0.0002
Fe [mg/L]	14-Dec-23	15:18	< 0.007	< 0.007
K [mg/L]	14-Dec-23	15:18	0.058	0.058
Li [mg/L]	14-Dec-23	15:18	0.0007	0.0006
Mg [mg/L]	14-Dec-23	15:18	0.011	0.011
Mn [mg/L]	14-Dec-23	15:18	0.00090	0.00137
Mo [mg/L]	14-Dec-23	15:18	0.00010	< 0.00004
Na [mg/L]	14-Dec-23	15:18	0.04	0.05
Ni [mg/L]	14-Dec-23	15:18	< 0.0001	< 0.0001
Pb [mg/L]	14-Dec-23	15:18	< 0.00009	< 0.00009
Sb [mg/L]	14-Dec-23	15:18	0.0019	0.0015
Se [mg/L]	14-Dec-23	15:18	< 0.00004	< 0.00004
Sn [mg/L]	14-Dec-23	15:18	< 0.00006	< 0.00006
Sr [mg/L]	14-Dec-23	15:18	0.00068	0.00071
Ti [mg/L]	14-Dec-23	15:18	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003562233

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10053-DEC23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#32	6: CV5-DMS-HCT-84 Wk#32
Tl [mg/L]	14-Dec-23	15:18	0.000013	0.000009
U [mg/L]	14-Dec-23	15:18	0.00121	0.00139
V [mg/L]	14-Dec-23	15:18	0.00003	0.00002
W [mg/L]	14-Dec-23	15:18	< 0.00002	0.00002
Y [mg/L]	14-Dec-23	15:18	< 0.00002	< 0.00002
Zn [mg/L]	14-Dec-23	15:18	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003562233

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

21-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 September 2023
LR Report: **CA10053-SEP23**
Reference: Wk#19

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT -83 Wk#19	6: CV5-DMS-HCT -84 Wk#29
Sample Date & Time			07-Sep-23	07-Sep-23
HumCell Leachate Vol [mL]	08-Sep-23	10:48	970	947
pH [No unit]	12-Sep-23	10:14	6.40	6.52
Alkalinity [mg/L as CaCO3]	12-Sep-23	10:14	< 2	< 2
Conductivity [uS/cm]	12-Sep-23	10:14	2	2
Acidity [mg/L as CaCO3]	13-Sep-23	10:42	3	2
Tot.Reactive P [mg/L]	12-Sep-23	10:46	< 0.03	< 0.03
SO4 [mg/L]	08-Sep-23	13:39	< 2	< 2
Ag [mg/L]	15-Sep-23	16:36	< 0.00005	< 0.00005
Al [mg/L]	15-Sep-23	16:36	0.023	0.024
As [mg/L]	15-Sep-23	16:36	0.0070	0.0070
Ba [mg/L]	15-Sep-23	16:36	0.00014	0.00026
Be [mg/L]	15-Sep-23	16:36	0.000009	0.000009
B [mg/L]	15-Sep-23	16:36	< 0.002	< 0.002
Bi [mg/L]	15-Sep-23	16:36	0.00003	0.00004
Ca [mg/L]	15-Sep-23	16:36	0.48	0.55
Cd [mg/L]	15-Sep-23	16:36	0.000003	0.000003
Co [mg/L]	15-Sep-23	16:36	0.000005	0.000005
Cr [mg/L]	15-Sep-23	16:36	< 0.00008	< 0.00008
Cu [mg/L]	15-Sep-23	16:36	0.0004	0.0002
Fe [mg/L]	15-Sep-23	16:36	< 0.007	< 0.007
K [mg/L]	15-Sep-23	16:36	0.127	0.137
Li [mg/L]	15-Sep-23	16:36	0.0012	0.0013
Mg [mg/L]	15-Sep-23	16:36	0.023	0.028
Mn [mg/L]	15-Sep-23	16:36	0.00154	0.00229
Mo [mg/L]	15-Sep-23	16:36	0.00024	0.00009
Na [mg/L]	15-Sep-23	16:36	0.04	0.05
Ni [mg/L]	15-Sep-23	16:36	< 0.0001	< 0.0001
Pb [mg/L]	15-Sep-23	16:36	< 0.00009	< 0.00009
Sb [mg/L]	15-Sep-23	16:36	0.0020	0.0024
Se [mg/L]	15-Sep-23	16:36	< 0.00004	< 0.00004
Sn [mg/L]	15-Sep-23	16:36	< 0.00006	< 0.00006
Sr [mg/L]	15-Sep-23	16:36	0.00123	0.00150
Ti [mg/L]	15-Sep-23	16:36	< 0.00007	< 0.00007

OnLine LIMS

0003474530

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10053-SEP23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT -83 Wk#19	6: CV5-DMS-HCT -84 Wk#29
Tl [mg/L]	15-Sep-23	16:36	0.000015	0.000015
U [mg/L]	15-Sep-23	16:36	0.00158	0.00202
V [mg/L]	15-Sep-23	16:36	0.00002	0.00003
W [mg/L]	15-Sep-23	16:36	0.00009	0.00006
Y [mg/L]	15-Sep-23	16:36	< 0.00002	< 0.00002
Zn [mg/L]	15-Sep-23	16:36	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003474530

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-December-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 December 2023
LR Report: **CA10054-DEC23**
Reference: Wk#32

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#32	6: CV5-WR-HCT-5 Wk#32	7: CV5-WR-HCT-5 (DUP) Wk#32	8: CV5-WR-HCT-14 Wk#32	9: CV5-WR-HCT-22 Wk#32
Sample Date & Time			07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23
HumCell Leachate Vol [mL]	13-Dec-23	09:05	980	947	1027	1012	1008
pH [No unit]	12-Dec-23	09:46	6.89	7.03	6.89	7.64	6.86
Alkalinity [mg/L as CaCO3]	12-Dec-23	09:47	3	5	3	12	4
Conductivity [uS/cm]	12-Dec-23	10:51	32	18	20	28	12
Acidity [mg/L as CaCO3]	13-Dec-23	10:53	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	08-Dec-23	16:12	< 0.03	< 0.03	0.03	< 0.03	< 0.03
SO4 [mg/L]	14-Dec-23	12:39	8	3	2	< 2	< 2
Ag [mg/L]	14-Dec-23	15:18	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	14-Dec-23	15:18	0.023	0.021	0.017	0.086	0.028
As [mg/L]	14-Dec-23	15:18	0.0044	0.193	0.156	0.0391	0.156
Ba [mg/L]	14-Dec-23	15:18	0.00015	0.00017	0.00033	0.00026	< 0.00008
Be [mg/L]	14-Dec-23	15:18	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	14-Dec-23	15:18	0.003	< 0.002	0.002	< 0.002	< 0.002
Bi [mg/L]	14-Dec-23	15:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14-Dec-23	15:18	3.72	2.67	2.60	5.00	1.68
Cd [mg/L]	14-Dec-23	15:18	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	14-Dec-23	15:18	0.000086	0.000248	0.000251	0.000068	0.000254
Cr [mg/L]	14-Dec-23	15:18	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00012
Cu [mg/L]	14-Dec-23	15:18	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	14-Dec-23	15:18	< 0.007	< 0.007	< 0.007	0.007	0.011
K [mg/L]	14-Dec-23	15:18	0.189	0.091	0.079	0.031	0.039
Li [mg/L]	14-Dec-23	15:18	0.0084	0.0100	0.0072	0.0044	0.0064
Mg [mg/L]	14-Dec-23	15:18	0.334	0.196	0.184	0.220	0.231
Mn [mg/L]	14-Dec-23	15:18	0.00106	0.00142	0.00190	0.00575	0.00079
Mo [mg/L]	14-Dec-23	15:18	0.00082	0.00678	0.00038	0.00010	0.00027
Na [mg/L]	14-Dec-23	15:18	0.15	0.08	0.12	0.20	0.14
Ni [mg/L]	14-Dec-23	15:18	0.0002	0.0015	0.0012	0.0001	0.0006
Pb [mg/L]	14-Dec-23	15:18	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	14-Dec-23	15:18	0.0043	0.0474	0.0407	0.0059	0.0070

OnLine LMS

0003562230

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10054-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#32	6: CV5-WR-HCT-5 Wk#32	7: CV5-WR-HCT-5 (DUP) Wk#32	8: CV5-WR-HCT-14 Wk#32	9: CV5-WR-HCT-22 Wk#32
Se [mg/L]	14-Dec-23	15:18	0.00019	< 0.00004	0.00012	0.00009	< 0.00004
Sn [mg/L]	14-Dec-23	15:18	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	14-Dec-23	15:18	0.0115	0.00596	0.00655	0.00484	0.00550
Ti [mg/L]	14-Dec-23	15:18	< 0.00007	0.00008	< 0.00007	0.00025	0.00032
Tl [mg/L]	14-Dec-23	15:18	< 0.000005	0.000006	0.000005	< 0.000005	< 0.000005
U [mg/L]	14-Dec-23	15:18	0.000202	0.00744	0.000155	0.000779	0.000170
V [mg/L]	14-Dec-23	15:18	0.00034	0.00051	0.00045	0.00236	0.00110
W [mg/L]	14-Dec-23	15:18	0.00006	0.00007	0.00009	< 0.00002	0.00003
Y [mg/L]	14-Dec-23	15:18	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	14-Dec-23	15:18	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT-33 Wk#32	11: CV5-WR-HCT-36 Wk#32	12: CV5-WR-HCT-39 Wk#32	13: CV5-WR-HCT-50 Wk#32	14: CV5-WR-HCT-56 Wk#32	15: CV5-WR-HCT-59 Wk#32	16: CV5-WR-HCT-62 Wk#32
Sample Date & Time	07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23
HumCell Leachate Vol [mL]	954	969	945	983	986	1019	973
pH [No unit]	7.21	7.08	6.56	6.56	7.22	6.60	7.22
Alkalinity [mg/L as CaCO3]	6	6	< 2	2	6	2	7
Conductivity [uS/cm]	14	17	18	41	26	13	21
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	7	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	0.34	< 0.03	< 0.03	< 0.03	0.06	0.13
SO4 [mg/L]	< 2	< 2	5	12	5	3	2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.062	0.004	0.020	0.007	0.035	0.004	0.002
As [mg/L]	0.0043	1.35	0.0222	0.0032	0.0153	0.340	0.658
Ba [mg/L]	0.00013	0.00050	0.00022	0.00044	0.00033	0.00023	0.00030
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.40	2.35	2.21	6.25	3.79	1.41	2.86
Cd [mg/L]	< 0.000003	0.000003	0.000005	0.000044	0.000004	< 0.000003	< 0.000003
Co [mg/L]	0.000038	0.000240	0.000267	0.002699	0.000061	0.000597	0.000624
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0004	< 0.0002	0.0003	0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.049	0.053	0.193	0.163	0.197	0.039	0.022
Li [mg/L]	0.0036	0.0027	0.0092	0.0109	0.0035	0.0021	0.0005
Mg [mg/L]	0.115	0.501	0.305	0.122	0.255	0.323	0.739
Mn [mg/L]	0.00835	0.00173	0.00150	0.00751	0.00663	0.00167	0.00336
Mo [mg/L]	0.00012	0.00014	0.00120	0.00017	0.00533	< 0.00004	0.00019
Na [mg/L]	0.12	0.06	0.14	0.14	0.08	0.06	0.04
Ni [mg/L]	< 0.0001	0.0072	0.0006	0.0022	0.0002	0.0047	0.0104
Pb [mg/L]	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0010	0.485	0.0115	0.0172	< 0.0009	0.0063	0.537

OnLine LIMS

0003562230

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10054-DEC23**

Analysis	10: CV5-WR-HCT-33 Wk#32	11: CV5-WR-HCT-36 Wk#32	12: CV5-WR-HCT-39 Wk#32	13: CV5-WR-HCT-50 Wk#32	14: CV5-WR-HCT-56 Wk#32	15: CV5-WR-HCT-59 Wk#32	16: CV5-WR-HCT-62 Wk#32
Se [mg/L]	0.00005	0.00004	0.00011	0.00054	0.00005	< 0.00004	0.00006
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00221	0.00332	0.00804	0.00599	0.00431	0.00723	0.00194
Ti [mg/L]	< 0.00007	< 0.00007	0.00026	< 0.00007	0.00014	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000015	0.000009	0.000017	< 0.000005	< 0.000005	0.000008
U [mg/L]	0.000049	0.000168	0.01691	0.00135	0.00568	0.000027	0.000074
V [mg/L]	0.00065	0.00020	0.00032	0.00004	0.00035	0.00039	0.00014
W [mg/L]	0.00003	0.00008	0.00004	< 0.00002	0.00007	0.00012	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.013	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT-64 Wk#32	18: CV5-WR-HCT-69 Wk#32	19: CV5-ORE-HCT-74 Wk#32	20: CV5-ORE-HCT-76 Wk#32
Sample Date & Time	07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23
HumCell Leachate Vol [mL]	1028	1014	1002	1001
pH [No unit]	6.89	7.18	6.72	7.04
Alkalinity [mg/L as CaCO3]	6	5	2	6
Conductivity [uS/cm]	14	14	8	11
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.026	0.075	0.016	0.039
As [mg/L]	0.0081	0.0051	0.0102	0.0026
Ba [mg/L]	< 0.00008	0.00011	0.00009	< 0.00008
Be [mg/L]	0.000007	0.000076	0.000008	0.000051
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00023	< 0.00001	0.00008
Ca [mg/L]	1.99	2.43	0.68	1.84
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000008	0.000012	0.000018	0.000011
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.203	0.066	0.094	0.247
Li [mg/L]	0.0021	0.0020	0.0068	0.0070
Mg [mg/L]	0.071	0.036	0.011	0.093
Mn [mg/L]	0.00595	0.00279	0.0429	0.00153
Mo [mg/L]	0.00006	0.00005	0.00005	0.00029
Na [mg/L]	0.06	0.15	0.10	0.10
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0016	0.0018	0.0102	< 0.0009

OnLine LIMS

0003562230

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10054-DEC23**

Analysis	17: CV5-WR-HCT-64 Wk#32	18: CV5-WR-HCT-69 Wk#32	19: CV5-ORE-HCT-74 Wk#32	20: CV5-ORE-HCT-76 Wk#32
Se [mg/L]	< 0.00004	0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00311	0.00492	0.00099	0.00482
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000035	0.000005	0.000029	0.000019
U [mg/L]	0.00117	0.00867	0.00121	0.00107
V [mg/L]	0.00003	0.00008	0.00002	0.00005
W [mg/L]	0.00006	0.00005	0.00004	0.00005
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003566230

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

20-June-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 08 June 2023
LR Report: **CA10061-JUN23**
Reference: Wk#6

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#6	6: CV5-DMS-HCT-8 4 Wk#6
Sample Date & Time			08-Jun-23	08-Jun-23
HumCell Leachate Vol [mL]	09-Jun-23	19:48	1000	962
pH [No unit]	12-Jun-23	12:03	6.49	6.71
Alkalinity [mg/L as CaCO3]	12-Jun-23	12:03	< 2	2
Conductivity [uS/cm]	12-Jun-23	12:03	3	9
Acidity [mg/L as CaCO3]	12-Jun-23	12:03	2	2
F [mg/L]	12-Jun-23	09:47	< 0.06	< 0.06
SO4 [mg/L]	18-Jun-23	07:00	< 2	< 2
Cl [mg/L]	19-Jun-23	16:15	< 1	< 1
NO2 [as N mg/L]	15-Jun-23	15:42	< 0.03	< 0.03
NO3 [as N mg/L]	15-Jun-23	15:42	< 0.06	< 0.06
Br [mg/L]	15-Jun-23	15:42	< 0.3	< 0.3
Tot.Reactive P [mg/L]	12-Jun-23	08:11	< 0.03	< 0.03
Hg [mg/L]	15-Jun-23	09:39	0.00001	0.00001
Ag [mg/L]	15-Jun-23	09:39	< 0.00005	< 0.00005
Al [mg/L]	15-Jun-23	09:39	0.031	0.031
As [mg/L]	15-Jun-23	09:39	0.0119	0.0278
Ba [mg/L]	15-Jun-23	09:39	0.00013	0.00010
Be [mg/L]	15-Jun-23	09:39	0.000011	0.000007
B [mg/L]	15-Jun-23	09:39	< 0.002	< 0.002
Bi [mg/L]	15-Jun-23	09:39	0.00003	0.00003
Ca [mg/L]	15-Jun-23	09:39	0.49	0.51
Cd [mg/L]	15-Jun-23	09:39	< 0.000003	< 0.000003
Co [mg/L]	15-Jun-23	09:39	0.000012	0.000020
Cr [mg/L]	15-Jun-23	09:39	< 0.00008	< 0.00008
Cu [mg/L]	15-Jun-23	09:39	< 0.0002	< 0.0002
Fe [mg/L]	15-Jun-23	09:39	< 0.007	< 0.007
K [mg/L]	15-Jun-23	09:39	0.252	0.271
Li [mg/L]	15-Jun-23	09:39	0.0050	0.0057
Mg [mg/L]	15-Jun-23	09:39	0.029	0.032

OnLine LMS

0003373023

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10061-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#6	6: CV5-DMS-HCT-8 4 Wk#6
Mn [mg/L]	15-Jun-23	09:39	0.00214	0.00159
Mo [mg/L]	15-Jun-23	09:39	0.00081	0.00083
Na [mg/L]	15-Jun-23	09:39	0.12	0.13
Ni [mg/L]	15-Jun-23	09:39	0.0001	0.0001
Pb [mg/L]	15-Jun-23	09:39	< 0.00009	< 0.00009
Sb [mg/L]	15-Jun-23	09:39	0.0037	0.0051
Se [mg/L]	15-Jun-23	09:39	< 0.00004	< 0.00004
Sn [mg/L]	15-Jun-23	09:39	< 0.00006	< 0.00006
Sr [mg/L]	15-Jun-23	09:39	0.00155	0.00155
Ti [mg/L]	15-Jun-23	09:39	< 0.00005	< 0.00005
Tl [mg/L]	15-Jun-23	09:39	0.000021	0.000021
U [mg/L]	15-Jun-23	09:39	0.003984	0.004779
V [mg/L]	15-Jun-23	09:39	0.00002	0.00003
W [mg/L]	15-Jun-23	09:39	0.00017	0.00056
Y [mg/L]	15-Jun-23	09:39	< 0.00002	< 0.00002
Zn [mg/L]	15-Jun-23	09:39	< 0.002	< 0.002
Au (tot) [mg/L]	15-Jun-23	09:39	< 0.00001	< 0.00001
Ce (tot) [mg/L]	15-Jun-23	09:39	< 0.00001	< 0.00001
Cs (tot) [mg/L]	15-Jun-23	09:39	0.0019	0.0019
Dy (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Er (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Eu (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Ga (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Gd (tot) [mg/L]	15-Jun-23	09:39	< 0.00001	< 0.00001
Ge (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Hf (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Ho (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
In (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Ir (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
La (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Lu (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Nb (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Nd (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Os (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Pd (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Pr (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Pt (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Rb (tot) [mg/L]	15-Jun-23	09:39	0.0120	0.0126
Re (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Rh (tot) [mg/L]	15-Jun-23	09:39	< 0.00001	< 0.00001
Sc (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Sm (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Ta (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Tb (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Te (tot) [mg/L]	15-Jun-23	09:39	0.0002	< 0.0001

OnLine LIMS

0003373023

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10061-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#6	6: CV5-DMS-HCT-8 4 Wk#6
Th (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Tm (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001
Yb (tot) [mg/L]	15-Jun-23	09:39	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003373023

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

20-June-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 08 June 2023
LR Report: **CA10062-JUN23**
Reference: Wk#6

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#6	6: CV5-WR-HCT-5 Wk#6	7: CV5-WR-HCT-5 (DUP) Wk#6	8: CV5-WR-HCT-14 Wk#6	9: CV5-WR-HCT-22 Wk#6	10: CV5-WR-HCT-33 Wk#6
Sample Date & Time			08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23
HumCell Leachate Vol [mL]	09-Jun-23	19:48	995	951	967	989	982	992
pH [No unit]	12-Jun-23	12:03	6.89	6.89	6.92	8.49	7.01	7.29
Alkalinity [mg/L as CaCO3]	12-Jun-23	12:03	4	5	4	17	4	7
Conductivity [uS/cm]	12-Jun-23	12:03	36	34	25	44	18	15
Acidity [mg/L as CaCO3]	12-Jun-23	12:03	4	< 2	2	< 2	< 2	< 2
F [mg/L]	12-Jun-23	09:47	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	18-Jun-23	07:30	8	7	5	3	2	< 2
Cl [mg/L]	18-Jun-23	07:30	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	15-Jun-23	15:08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	15-Jun-23	15:08	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	15-Jun-23	15:08	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	12-Jun-23	08:11	< 0.03	0.09	0.04	< 0.03	0.06	< 0.03
Hg [mg/L]	15-Jun-23	09:39	< 0.00001	< 0.00001	0.00001	< 0.00001	0.00001	< 0.00001
Ag [mg/L]	15-Jun-23	09:39	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	15-Jun-23	09:39	0.036	0.021	0.026	0.122	0.031	0.047
As [mg/L]	15-Jun-23	09:39	0.0054	0.422	0.280	0.0957	0.247	0.0039
Ba [mg/L]	15-Jun-23	09:39	0.00046	0.00037	0.00026	0.00020	0.00012	0.00500
Be [mg/L]	15-Jun-23	09:39	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	15-Jun-23	09:39	0.011	0.010	0.008	0.005	0.006	0.003
Bi [mg/L]	15-Jun-23	09:39	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	15-Jun-23	09:39	3.57	3.64	2.81	6.55	1.92	2.35
Cd [mg/L]	15-Jun-23	09:39	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	15-Jun-23	09:40	0.000095	0.000193	0.000189	0.000048	0.000109	0.000043
Cr [mg/L]	15-Jun-23	09:40	< 0.00008	0.00012	< 0.00008	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	15-Jun-23	09:40	< 0.0002	< 0.0002	0.0010	< 0.0002	< 0.0002	0.0003
Fe [mg/L]	15-Jun-23	09:40	0.009	< 0.007	< 0.007	< 0.007	0.009	< 0.007
K [mg/L]	15-Jun-23	09:40	0.707	0.338	0.304	0.139	0.134	0.180
Li [mg/L]	15-Jun-23	09:40	0.0281	0.0580	0.0441	0.0086	0.0139	0.0103
Mg [mg/L]	15-Jun-23	09:40	0.665	0.729	0.501	0.559	0.290	0.204
Mn [mg/L]	15-Jun-23	09:40	0.00267	0.00331	0.00269	0.00285	0.00081	0.00698
Mo [mg/L]	15-Jun-23	09:40	0.00184	0.00118	0.00123	0.00027	0.00039	0.00044
Na [mg/L]	15-Jun-23	09:40	1.07	0.56	0.51	1.15	0.84	0.62
Ni [mg/L]	15-Jun-23	09:40	0.0004	0.0025	0.0020	0.0003	0.0005	0.0001

OnLine LIMS

0003373036

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10062-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#6	6: CV5-WR-HCT-5 Wk#6	7: CV5-WR-HCT-5 (DUP) Wk#6	8: CV5-WR-HCT-14 Wk#6	9: CV5-WR-HCT-22 Wk#6	10: CV5-WR-HCT-33 Wk#6
Pb [mg/L]	15-Jun-23	09:40	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	15-Jun-23	09:40	0.0083	0.156	0.0826	0.0246	0.0193	0.0055
Se [mg/L]	15-Jun-23	09:40	0.00019	0.00013	0.00012	0.00035	0.00014	0.00011
Sn [mg/L]	15-Jun-23	09:40	0.00006	0.00011	0.00006	< 0.00006	< 0.00006	0.00009
Sr [mg/L]	15-Jun-23	09:40	0.0172	0.0135	0.0119	0.00987	0.00735	0.00337
Ti [mg/L]	15-Jun-23	09:40	0.00062	0.00032	0.00012	0.00017	0.00062	0.00032
Tl [mg/L]	15-Jun-23	09:40	< 0.000005	0.000006	0.000008	< 0.000005	0.000006	0.000005
U [mg/L]	15-Jun-23	09:40	0.000145	0.000148	0.000480	0.00611	0.000155	0.000108
V [mg/L]	15-Jun-23	09:40	0.00037	0.00078	0.00078	0.00525	0.00148	0.00109
W [mg/L]	15-Jun-23	09:40	0.00268	0.00086	0.00079	0.00009	0.00020	0.00042
Y [mg/L]	15-Jun-23	09:41	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	15-Jun-23	09:41	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003
Au (tot) [mg/L]	15-Jun-23	09:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	15-Jun-23	09:41	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001
Cs (tot) [mg/L]	15-Jun-23	09:41	0.0111	0.0181	0.0173	0.0033	0.0068	0.0066
Dy (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	0.0001
Gd (tot) [mg/L]	15-Jun-23	09:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	15-Jun-23	09:41	0.0080	0.0074	0.0064	0.0011	0.0026	0.0013
Re (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	15-Jun-23	09:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	15-Jun-23	09:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-36 Wk#6	12: CV5-WR-HCT-39 Wk#6	13: CV5-WR-HCT-50 Wk#6	14: CV5-WR-HCT-56 Wk#6	15: CV5-WR-HCT-59 Wk#6	16: CV5-WR-HCT-62 Wk#6	17: CV5-WR-HCT-64 Wk#6	18: CV5-WR-HCT-69 Wk#6
Sample Date & Time	08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23	08-Jun-23
HumCell Leachate Vol [mL]	989	1009	1010	1012	975	997	994	994
pH [No unit]	7.26	6.97	7.34	7.35	6.69	7.38	7.19	7.41

OnLine LMS

0003373036

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10062-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#6	12: CV5-WR-HCT-39 Wk#6	13: CV5-WR-HCT-50 Wk#6	14: CV5-WR-HCT-56 Wk#6	15: CV5-WR-HCT-59 Wk#6	16: CV5-WR-HCT-62 Wk#6	17: CV5-WR-HCT-64 Wk#6	18: CV5-WR-HCT-69 Wk#6
Alkalinity [mg/L as CaCO3]	9	5	13	10	2	11	7	10
Conductivity [uS/cm]	29	34	57	26	20	30	18	23
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	3	< 2	< 2	< 2
F [mg/L]	< 0.06	0.15	0.26	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	2	10	14	< 2	5	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	1.64	< 0.03	< 0.03	< 0.03	0.15	0.84	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	0.00001	0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.004	0.031	0.064	0.037	0.010	0.003	0.029	0.128
As [mg/L]	5.15	0.0487	0.0252	0.0183	0.729	3.16	0.0515	0.0340
Ba [mg/L]	0.00095	0.00051	0.00066	0.00062	0.00029	0.00093	0.00011	0.00040
Be [mg/L]	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000133
B [mg/L]	0.029	0.008	0.005	0.008	0.003	0.007	0.005	0.005
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00065
Ca [mg/L]	3.87	4.02	9.27	3.99	2.33	3.76	2.30	4.06
Cd [mg/L]	< 0.000003	0.000005	0.000019	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000285	0.000222	0.00182	0.000066	0.000499	0.000234	0.000028	0.000022
Cr [mg/L]	0.00015	< 0.00008	< 0.00008	< 0.00008	0.00017	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.008	0.010	< 0.007	< 0.007	< 0.007
K [mg/L]	0.115	0.762	1.36	1.28	0.179	0.122	1.21	0.331
Li [mg/L]	0.0070	0.0405	0.0298	0.0158	0.0046	0.0017	0.0173	0.0102
Mg [mg/L]	1.30	0.631	0.674	0.489	0.654	1.26	0.182	0.164
Mn [mg/L]	0.00303	0.00318	0.0108	0.0155	0.00148	0.00397	0.00500	0.00337
Mo [mg/L]	0.00047	0.00170	0.00142	0.00023	0.00181	0.00066	0.00017	0.00018
Na [mg/L]	0.19	0.97	0.30	1.14	0.36	0.32	0.38	0.58
Ni [mg/L]	0.0308	0.0007	0.0019	0.0002	0.0047	0.0276	0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	1.09	0.0563	0.153	< 0.0009	0.0134	2.24	0.0077	0.0137
Se [mg/L]	0.00015	0.00017	0.00116	0.00010	0.00011	0.00022	< 0.00004	0.00014
Sn [mg/L]	0.00008	0.00008	< 0.00006	< 0.00006	< 0.00006	0.00014	0.00008	0.00019
Sr [mg/L]	0.00896	0.0163	0.0135	0.0158	0.0151	0.00493	0.00552	0.00996
Ti [mg/L]	0.00013	0.00023	0.00013	0.00032	0.00026	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000007	0.000013	0.000032	0.000009	0.000005	< 0.000005	0.000113	0.000016
U [mg/L]	0.00252	0.000557	0.00320	0.00300	0.000094	0.00132	0.00699	0.0176
V [mg/L]	0.00058	0.00057	0.00031	0.00084	0.00078	0.00046	0.00005	0.00024
W [mg/L]	0.00031	0.00041	0.00014	0.00081	0.00122	0.00038	0.00036	0.00048
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	0.00001	0.00001	< 0.00001	0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0198	0.0058	0.0897	0.0347	0.0140	0.0049	0.0279	0.0048
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	0.0003	0.0006
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003373036

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10062-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#6	12: CV5-WR-HCT-39 Wk#6	13: CV5-WR-HCT-50 Wk#6	14: CV5-WR-HCT-56 Wk#6	15: CV5-WR-HCT-59 Wk#6	16: CV5-WR-HCT-62 Wk#6	17: CV5-WR-HCT-64 Wk#6	18: CV5-WR-HCT-69 Wk#6
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0002
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0033	0.0056	0.0330	0.0036	0.0048	0.0022	0.0582	0.0118
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	19: CV5-ORE-HCT-74 Wk#6	20: CV5-ORE-HCT-76 Wk#
Sample Date & Time	08-Jun-23	
HumCell Leachate Vol [mL]	992	994
pH [No unit]	6.99	7.05
Alkalinity [mg/L as CaCO3]	5	11
Conductivity [uS/cm]	11	28
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	< 0.06	< 0.06
SO4 [mg/L]	< 2	< 2
Cl [mg/L]	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.06	0.03
Hg [mg/L]	< 0.00001	0.00002
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.034	0.048
As [mg/L]	0.0599	0.0230
Ba [mg/L]	0.00010	0.00015
Be [mg/L]	< 0.000007	0.000059
B [mg/L]	0.004	0.008
Bi [mg/L]	< 0.00001	0.00012
Ca [mg/L]	1.42	3.67
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000021	0.000020

OnLine LIMS

0003373036

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10062-JUN23**

Analysis	19: CV5-ORE-HCT-74 Wk#6	20: CV5-ORE-HCT-76 Wk#
Cr [mg/L]	< 0.00008	0.00010
Cu [mg/L]	0.0002	0.0011
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.552	1.29
Li [mg/L]	0.0424	0.0293
Mg [mg/L]	0.057	0.234
Mn [mg/L]	0.0246	0.00323
Mo [mg/L]	0.00006	0.00013
Na [mg/L]	0.58	0.62
Ni [mg/L]	0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0381	0.0053
Se [mg/L]	< 0.00004	0.00005
Sn [mg/L]	0.00016	0.00007
Sr [mg/L]	0.00343	0.0112
Ti [mg/L]	< 0.00005	< 0.00005
Tl [mg/L]	0.000075	0.000060
U [mg/L]	0.0101	0.00384
V [mg/L]	0.00003	0.00015
W [mg/L]	0.00027	0.00046
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	0.003	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00001
Cs (tot) [mg/L]	0.0320	0.0171
Dy (tot) [mg/L]	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0004	0.0004
Gd (tot) [mg/L]	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0461	0.0273
Re (tot) [mg/L]	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001

OnLine LIMS

0003373036

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10062-JUN23**

Analysis	19: CV5-ORE-HCT-74 Wk#6	20: CV5-ORE-HCT-76 Wk#
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

27-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 09 November 2023
LR Report: **CA10078-NOV23**
Reference: Wk#28

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#28	6: CV5-DMS-HCT-84 Wk#28
Sample Date & Time			09-Nov-23	09-Nov-23
HumCell Leachate Vol [mL]	13-Nov-23	16:20	977	982
pH [No unit]	14-Nov-23	11:16	6.30	6.36
Alkalinity [mg/L as CaCO3]	14-Nov-23	11:16	< 2	< 2
Conductivity [uS/cm]	14-Nov-23	11:16	2	< 2
Acidity [mg/L as CaCO3]	14-Nov-23	11:16	< 2	< 2
Tot.Reactive P [mg/L]	13-Nov-23	09:59	< 0.03	< 0.03
SO4 [mg/L]	22-Nov-23	16:42	< 2	< 2
Ag [mg/L]	17-Nov-23	11:44	< 0.00005	< 0.00005
Al [mg/L]	17-Nov-23	11:44	0.014	0.014
As [mg/L]	21-Nov-23	15:04	0.0050	0.0035
Ba [mg/L]	17-Nov-23	11:44	< 0.00008	< 0.00008
Be [mg/L]	17-Nov-23	11:44	< 0.000007	0.000009
B [mg/L]	17-Nov-23	11:44	< 0.002	< 0.002
Bi [mg/L]	17-Nov-23	11:44	0.00002	0.00003
Ca [mg/L]	17-Nov-23	11:44	0.35	0.39
Cd [mg/L]	17-Nov-23	11:44	0.000003	< 0.000003
Co [mg/L]	17-Nov-23	11:44	< 0.000004	< 0.000004
Cr [mg/L]	17-Nov-23	11:44	< 0.00008	< 0.00008
Cu [mg/L]	17-Nov-23	11:44	< 0.0002	< 0.0002
Fe [mg/L]	17-Nov-23	11:44	< 0.007	< 0.007
K [mg/L]	17-Nov-23	11:44	0.070	0.077
Li [mg/L]	17-Nov-23	11:44	0.0007	0.0008
Mg [mg/L]	17-Nov-23	11:44	0.014	0.017
Mn [mg/L]	17-Nov-23	11:44	0.00079	0.00144
Mo [mg/L]	17-Nov-23	11:44	0.00017	0.00025
Na [mg/L]	17-Nov-23	11:44	0.05	0.04
Ni [mg/L]	17-Nov-23	11:44	< 0.0001	< 0.0001
Pb [mg/L]	17-Nov-23	11:44	0.00029	< 0.00009
Sb [mg/L]	17-Nov-23	11:44	0.0023	0.0015
Se [mg/L]	17-Nov-23	11:44	< 0.00004	< 0.00004
Sn [mg/L]	17-Nov-23	11:44	< 0.00006	< 0.00006
Sr [mg/L]	17-Nov-23	11:44	0.00079	0.00087
Ti [mg/L]	17-Nov-23	11:44	< 0.00007	< 0.00007

OnLine LIMS

0003546218

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10078-NOV23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#28	6: CV5-DMS-HCT-84 Wk#28
Tl [mg/L]	17-Nov-23	11:44	0.000007	0.000007
U [mg/L]	17-Nov-23	11:44	0.00115	0.00196
V [mg/L]	17-Nov-23	11:44	0.00003	0.00003
W [mg/L]	17-Nov-23	11:44	< 0.00002	0.00003
Y [mg/L]	17-Nov-23	11:44	< 0.00002	< 0.00002
Zn [mg/L]	17-Nov-23	11:44	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003546218

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 09 November 2023
LR Report: **CA10079-NOV23**
Reference: Wk#28

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#28	6: CV5-WR-HCT-5 Wk#28	7: CV5-WR-HCT-5 (DUP) Wk#28	8: CV5-WR-HCT-14 Wk#28
Sample Date & Time			09-Nov-23	09-Nov-23	09-Nov-23	09-Nov-23
HumCell Leachate Vol [mL]	13-Nov-23	16:20	932	919	952	996
pH [No unit]	14-Nov-23	11:19	6.81	7.03	7.03	7.59
Alkalinity [mg/L as CaCO3]	15-Nov-23	10:23	2	4	3	12
Conductivity [uS/cm]	14-Nov-23	11:19	23	17	14	26
Acidity [mg/L as CaCO3]	15-Nov-23	10:23	2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	13-Nov-23	10:00	< 0.03	0.05	0.04	0.03
SO4 [mg/L]	22-Nov-23	16:43	7	3	3	< 2
Ag [mg/L]	17-Nov-23	11:44	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	17-Nov-23	11:44	0.026	0.029	0.032	0.091
As [mg/L]	21-Nov-23	15:05	0.0042	0.211	0.156	0.0349
Ba [mg/L]	17-Nov-23	11:48	0.00019	0.00021	0.00019	0.00011
Be [mg/L]	17-Nov-23	11:48	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	17-Nov-23	11:48	0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	17-Nov-23	11:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	17-Nov-23	11:48	3.65	3.04	2.52	5.29
Cd [mg/L]	17-Nov-23	11:48	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	17-Nov-23	11:48	0.000083	0.000168	0.000151	0.000045
Cr [mg/L]	17-Nov-23	11:48	< 0.00008	0.00009	0.00011	< 0.00008
Cu [mg/L]	17-Nov-23	11:48	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	17-Nov-23	11:48	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	17-Nov-23	11:48	0.247	0.117	0.099	0.035
Li [mg/L]	17-Nov-23	11:48	0.0099	0.0105	0.0086	0.0036
Mg [mg/L]	17-Nov-23	11:48	0.348	0.237	0.191	0.196
Mn [mg/L]	17-Nov-23	11:48	0.00117	0.00190	0.00184	0.00577
Mo [mg/L]	17-Nov-23	11:48	0.00023	0.00016	0.00016	0.00008
Na [mg/L]	17-Nov-23	11:48	0.18	0.12	0.08	0.17
Ni [mg/L]	17-Nov-23	11:48	0.0003	0.0011	0.0007	0.0001

OnLine LIMS

00035463S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10079-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#28	6: CV5-WR-HCT-5 Wk#28	7: CV5-WR-HCT-5 (DUP) Wk#28	8: CV5-WR-HCT-14 Wk#28
Pb [mg/L]	17-Nov-23	11:48	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	17-Nov-23	11:48	0.0029	0.0454	0.0238	0.0039
Se [mg/L]	17-Nov-23	11:48	0.00016	0.00006	0.00005	0.00010
Sn [mg/L]	17-Nov-23	11:48	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	17-Nov-23	11:48	0.0102	0.00609	0.00550	0.00379
Ti [mg/L]	17-Nov-23	11:48	< 0.00007	0.00013	0.00008	0.00023
Tl [mg/L]	17-Nov-23	11:48	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	17-Nov-23	11:48	0.000984	0.000028	0.00114	0.000136
V [mg/L]	17-Nov-23	11:48	0.00035	0.00056	0.00049	0.00227
W [mg/L]	17-Nov-23	11:48	0.00005	0.00008	0.00006	< 0.00002
Y [mg/L]	17-Nov-23	11:48	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	17-Nov-23	11:48	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#28	10: CV5-WR-HCT-33 Wk#28	11: CV5-WR-HCT-36 Wk#28	12: CV5-WR-HCT-39 Wk#28	13: CV5-WR-HCT-50 Wk#28	14: CV5-WR-HCT-56 Wk#28
Sample Date & Time	09-Nov-23	09-Nov-23	09-Nov-23	09-Nov-23	09-Nov-23	09-Nov-23
HumCell Leachate Vol [mL]	972	945	938	929	961	955
pH [No unit]	6.93	7.34	7.23	6.64	6.41	7.40
Alkalinity [mg/L as CaCO3]	4	6	7	2	3	7
Conductivity [uS/cm]	9	13	18	18	31	27
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	7	< 2
Tot.Reactive P [mg/L]	0.05	< 0.03	0.37	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	5	8	5
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.042	0.068	0.003	0.028	0.006	0.042
As [mg/L]	0.157	0.0042	1.42	0.0251	0.0031	0.0176
Ba [mg/L]	0.00008	0.00011	0.00056	0.00022	0.00048	0.00040
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.006	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.60	2.61	2.74	2.71	5.45	4.80
Cd [mg/L]	0.000007	< 0.000003	< 0.000003	0.000009	0.000042	< 0.000003
Co [mg/L]	0.000184	0.000036	0.000156	0.000196	0.00226	0.000047
Cr [mg/L]	0.00016	< 0.00008	0.00013	0.00009	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0005	< 0.0002	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	0.017	< 0.007	< 0.007	0.008	< 0.007	< 0.007
K [mg/L]	0.048	0.056	0.057	0.226	0.129	0.298
Li [mg/L]	0.0067	0.0038	0.0026	0.0110	0.0069	0.0046
Mg [mg/L]	0.223	0.122	0.509	0.339	0.112	0.331
Mn [mg/L]	0.00112	0.00733	0.00142	0.00195	0.00537	0.00755

OnLine LIMS

00035463352

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10079-NOV23**

Analysis	9: CV5-WR-HCT-22 Wk#28	10: CV5-WR-HCT-33 Wk#28	11: CV5-WR-HCT-36 Wk#28	12: CV5-WR-HCT-39 Wk#28	13: CV5-WR-HCT-50 Wk#28	14: CV5-WR-HCT-56 Wk#28
Mo [mg/L]	0.00044	0.00011	0.00007	0.00014	0.00035	0.00009
Na [mg/L]	0.15	0.12	0.05	0.15	0.10	0.11
Ni [mg/L]	0.0005	< 0.0001	0.0062	0.0004	0.0018	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0059	0.0010	0.518	0.0122	0.0118	< 0.0009
Se [mg/L]	0.00005	0.00009	0.00009	0.00010	0.00048	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00485	0.00224	0.00316	0.00815	0.00451	0.00503
Ti [mg/L]	0.00051	0.00020	< 0.00007	0.00026	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000006	0.000010	< 0.000005
U [mg/L]	0.000258	0.000124	0.000122	0.000582	0.00117	0.000514
V [mg/L]	0.00123	0.00068	0.00021	0.00039	0.00004	0.00043
W [mg/L]	0.00003	0.00003	0.00007	0.00003	< 0.00002	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.014	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#28	16: CV5-WR-HCT-62 Wk#28	17: CV5-WR-HCT-64 Wk#28	18: CV5-WR-HCT-69 Wk#28	19: CV5-ORE-HCT-74 Wk#28	20: CV5-ORE-HCT-76 Wk#28
Sample Date & Time	09-Nov-23	09-Nov-23	09-Nov-23	09-Nov-23	09-Nov-23	09-Nov-23
HumCell Leachate Vol [mL]	996	935	973	1007	981	934
pH [No unit]	6.57	7.29	6.83	7.13	6.78	7.07
Alkalinity [mg/L as CaCO3]	2	7	3	6	3	6
Conductivity [uS/cm]	11	22	5	11	4	10
Acidity [mg/L as CaCO3]	2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.06	0.20	< 0.03	< 0.03	0.04	0.04
SO4 [mg/L]	2	2	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.006	0.002	0.025	0.054	0.021	0.073
As [mg/L]	0.234	0.849	0.0064	0.0035	0.0110	0.0029
Ba [mg/L]	0.00015	0.00041	< 0.00008	0.00011	< 0.00008	0.00011
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000072	< 0.000007	0.000208
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00021	< 0.00001	0.00015
Ca [mg/L]	1.51	3.26	1.00	2.24	0.85	1.86
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000536	0.000375	< 0.000004	0.000006	0.000005	0.000013
Cr [mg/L]	0.00011	0.00014	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.038	0.030	0.193	0.071	0.122	0.322

OnLine LIMS

0003546352

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10079-NOV23**

Analysis	15: CV5-WR-HCT-59 Wk#28	16: CV5-WR-HCT-62 Wk#28	17: CV5-WR-HCT-64 Wk#28	18: CV5-WR-HCT-69 Wk#28	19: CV5-ORE-HCT-74 Wk#28	20: CV5-ORE-HCT-76 Wk#28
Li [mg/L]	0.0016	0.0005	0.0020	0.0021	0.0082	0.0081
Mg [mg/L]	0.270	0.846	0.048	0.039	0.016	0.100
Mn [mg/L]	0.00132	0.00217	0.00269	0.00258	0.0423	0.00185
Mo [mg/L]	0.00006	0.00020	0.00008	0.00041	0.00007	0.00010
Na [mg/L]	0.06	0.04	0.06	0.14	0.16	0.17
Ni [mg/L]	0.0045	0.0076	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00013	< 0.00009
Sb [mg/L]	0.0044	0.627	0.0012	0.0013	0.0109	< 0.0009
Se [mg/L]	< 0.00004	0.00013	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00671	0.00254	0.00151	0.00396	0.00116	0.00409
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000018	0.000026	< 0.000005	0.000030	0.000026
U [mg/L]	0.000016	0.00430	0.000642	0.00437	0.00173	0.000839
V [mg/L]	0.00031	0.00022	0.00003	0.00006	0.00004	0.00008
W [mg/L]	0.00011	0.00007	0.00003	0.00004	0.00005	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003546352

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-August-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 13 July 2023
LR Report: **CA10101-JUL23**
Reference: Wk#11 - Patriot Tailings -Short- (9.5mm fraction size)

Copy: #2

CERTIFICATE OF ANALYSIS
Final Report - Revised

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#11	6: CV5-DMS-HCT-84 Wk#11
Sample Date & Time			13-Jul-23	13-Jul-23
HumCell Leachate Vol [mL]	14-Jul-23	08:16	973	961
pH [No unit]	14-Jul-23	15:31	6.42	6.47
Alkalinity [mg/L as CaCO3]	14-Jul-23	15:31	< 2	< 2
Conductivity [uS/cm]	14-Jul-23	15:31	2	3
Acidity [mg/L as CaCO3]	14-Jul-23	15:31	3	3
Tot.Reactive P [mg/L]	25-Jul-23	15:45	< 0.03	< 0.03
SO4 [mg/L]	13-Jul-23	16:26	< 2	< 2
Ag [mg/L]	01-Aug-23	11:32	< 0.00005	< 0.00005
Al [mg/L]	01-Aug-23	11:32	0.009	0.013
As [mg/L]	01-Aug-23	11:32	0.0158	0.0076
Ba [mg/L]	01-Aug-23	11:32	< 0.00008	< 0.00008
Be [mg/L]	01-Aug-23	11:32	0.000018	0.000034
B [mg/L]	01-Aug-23	11:32	< 0.002	< 0.002
Bi [mg/L]	01-Aug-23	11:32	0.00001	0.00002
Ca [mg/L]	01-Aug-23	11:32	0.37	0.43
Cd [mg/L]	01-Aug-23	11:32	< 0.000003	< 0.000003
Co [mg/L]	01-Aug-23	11:32	0.000040	0.000011
Cr [mg/L]	01-Aug-23	11:32	< 0.00008	< 0.00008
Cu [mg/L]	01-Aug-23	11:32	< 0.0002	< 0.0002
Fe [mg/L]	01-Aug-23	11:32	< 0.007	< 0.007
K [mg/L]	01-Aug-23	11:32	0.168	0.184
Li [mg/L]	01-Aug-23	11:32	0.0027	0.0028
Mg [mg/L]	01-Aug-23	11:32	0.021	0.026
Mn [mg/L]	01-Aug-23	11:32	0.00138	0.00193
Mo [mg/L]	01-Aug-23	11:32	0.00006	0.00005
Na [mg/L]	01-Aug-23	11:32	0.03	0.05
Ni [mg/L]	01-Aug-23	11:32	0.0001	< 0.0001
Pb [mg/L]	01-Aug-23	11:32	< 0.00009	< 0.00009
Sb [mg/L]	01-Aug-23	11:32	0.0034	0.0027
Se [mg/L]	01-Aug-23	11:32	0.00005	< 0.00004
Sn [mg/L]	01-Aug-23	11:32	< 0.00006	< 0.00006

OnLine LMS

0003420971

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10101-JUL23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#11	6: CV5-DMS-HCT-84 Wk#11
Sr [mg/L]	01-Aug-23	11:32	0.00094	0.00110
Ti [mg/L]	01-Aug-23	11:32	< 0.00007	< 0.00007
Tl [mg/L]	01-Aug-23	11:32	0.000025	0.000023
U [mg/L]	01-Aug-23	11:32	0.00111	0.00172
V [mg/L]	01-Aug-23	11:32	0.00004	0.00004
W [mg/L]	01-Aug-23	11:32	0.00008	0.00009
Y [mg/L]	01-Aug-23	11:32	< 0.00002	< 0.00002
Zn [mg/L]	01-Aug-23	11:32	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003420971

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings- Long - (9.5mm fraction size)

30-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 May 2023
LR Report: **CA10101-MAY23**
Reference: Wk#2

Copy: #2

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#2	6: CV5-DMS-HCT-8 4 Wk#2
Sample Date & Time			11-May-23	11-May-23
HumCell Leachate Vol [mL]	12-May-23	09:23	977	964
pH [No unit]	15-May-23	11:39	6.79	6.89
Alkalinity [mg/L as CaCO3]	15-May-23	11:39	2	3
Conductivity [uS/cm]	15-May-23	11:39	8	8
Acidity [mg/L as CaCO3]	15-May-23	11:39	< 2	< 2
F [mg/L]	12-May-23	09:05	< 0.06	< 0.06
SO4 [mg/L]	18-May-23	13:28	< 2	< 2
Cl [mg/L]	18-May-23	13:28	< 1	< 1
NO2 [as N mg/L]	21-May-23	08:11	< 0.03	< 0.03
NO3 [as N mg/L]	21-May-23	08:11	< 0.06	< 0.06
Br [mg/L]	21-May-23	08:11	< 0.3	< 0.3
Tot.Reactive P [mg/L]	12-May-23	13:28	< 0.03	< 0.03
Hg [mg/L]	15-May-23	15:14	< 0.00001	< 0.00001
Ag [mg/L]	15-May-23	15:14	< 0.00005	< 0.00005
Al [mg/L]	15-May-23	15:14	0.046	0.048
As [mg/L]	15-May-23	15:14	0.0719	0.0308
Ba [mg/L]	15-May-23	15:14	0.00016	0.00013
Be [mg/L]	15-May-23	15:14	0.000025	0.000027
B [mg/L]	15-May-23	15:14	0.004	0.004
Bi [mg/L]	15-May-23	15:14	0.00008	0.00008
Ca [mg/L]	15-May-23	15:14	0.76	0.81
Cd [mg/L]	15-May-23	15:14	0.000003	< 0.000003
Co [mg/L]	15-May-23	15:14	0.000037	0.000033
Cr [mg/L]	15-May-23	15:14	< 0.00008	< 0.00008
Cu [mg/L]	15-May-23	15:14	0.0005	0.0008
Fe [mg/L]	15-May-23	15:14	< 0.007	< 0.007
K [mg/L]	15-May-23	15:14	0.517	0.518
Li [mg/L]	15-May-23	15:14	0.0236	0.0226
Mg [mg/L]	15-May-23	15:14	0.052	0.050

OnLine LMS

0003349143

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10101-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#2	6: CV5-DMS-HCT-8 4 Wk#2
Mn [mg/L]	15-May-23	15:14	0.00181	0.00207
Mo [mg/L]	15-May-23	15:14	0.00059	0.00058
Na [mg/L]	15-May-23	15:14	0.58	0.54
Ni [mg/L]	15-May-23	15:14	0.0002	0.0002
Pb [mg/L]	15-May-23	15:14	< 0.00009	< 0.00009
Sb [mg/L]	15-May-23	15:14	0.0082	0.0060
Se [mg/L]	15-May-23	15:14	0.00009	0.00011
Sn [mg/L]	15-May-23	15:14	0.00020	0.00017
Sr [mg/L]	15-May-23	15:14	0.00209	0.00219
Ti [mg/L]	15-May-23	15:14	< 0.00005	< 0.00005
Tl [mg/L]	15-May-23	15:14	0.000030	0.000035
U [mg/L]	15-May-23	15:14	0.011333	0.010037
V [mg/L]	15-May-23	15:14	0.00008	0.00008
W [mg/L]	15-May-23	15:14	0.00070	0.00063
Y [mg/L]	15-May-23	15:14	< 0.00002	< 0.00002
Zn [mg/L]	15-May-23	15:14	0.007	0.006
Au (tot) [mg/L]	15-May-23	15:14	< 0.00001	< 0.00001
Ce (tot) [mg/L]	30-May-23	13:17	0.00002	0.00003
Cs (tot) [mg/L]	15-May-23	15:14	0.0026	0.0027
Dy (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
Er (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
Eu (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
Ga (tot) [mg/L]	30-May-23	13:17	0.0002	0.0001
Gd (tot) [mg/L]	30-May-23	13:17	< 0.00001	< 0.00001
Ge (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
Hf (tot) [mg/L]	15-May-23	15:14	< 0.0001	< 0.0001
Ho (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
In (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
Ir (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
La (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
Lu (tot) [mg/L]	30-May-23	13:17	< 0.0001	< 0.0001
Nb (tot) [mg/L]	15-May-23	15:14	< 0.0001	< 0.0001
Nd (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Os (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Pd (tot) [mg/L]	15-May-23	15:14	< 0.0001	< 0.0001
Pr (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Pt (tot) [mg/L]	15-May-23	15:14	< 0.0001	< 0.0001
Rb (tot) [mg/L]	15-May-23	15:14	0.0236	0.0244
Re (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Rh (tot) [mg/L]	15-May-23	15:14	< 0.00001	< 0.00001
Sc (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Sm (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Ta (tot) [mg/L]	15-May-23	15:14	< 0.0001	< 0.0001
Tb (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Te (tot) [mg/L]	15-May-23	15:14	< 0.0001	< 0.0001

OnLine LIMS

0003349143

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10101-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#2	6: CV5-DMS-HCT-84 Wk#2
Th (tot) [mg/L]	15-May-23	15:14	< 0.0001	< 0.0001
Tm (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001
Yb (tot) [mg/L]	30-May-23	13:18	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003349143

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-August-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 10 August 2023
LR Report: **CA10102-AUG23**
Reference: Wk#15 - Patriot WR

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#15	6: CV5-WR-HCT-5 Wk#15	7: CV5-WR-HCT-5 (DUP) Wk#15	8: CV5-WR-HCT-14 Wk#15	9: CV5-WR-HCT-22 Wk#15	10: CV5-WR-HCT-33 Wk#15
Sample Date & Time			10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23
HumCell Leachate Vol [mL]	11-Aug-23	16:51	901	895	898	904	904	981
pH [No unit]	18-Aug-23	11:13	6.54	6.76	6.75	7.90	6.72	7.51
Alkalinity [mg/L as CaCO3]	15-Aug-23	09:24	4	6	7	24	5	11
Conductivity [uS/cm]	14-Aug-23	10:31	38	24	24	32	14	18
Acidity [mg/L as CaCO3]	18-Aug-23	11:14	10	2	3	< 2	< 2	< 2
F [mg/L]	16-Aug-23	09:27	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	18-Aug-23	16:09	10	4	4	3	2	< 2
Cl [mg/L]	18-Aug-23	16:09	3	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	17-Aug-23	12:08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	17-Aug-23	12:08	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	17-Aug-23	12:08	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	11-Aug-23	09:56	< 0.03	0.08	0.06	0.04	0.09	< 0.03
Hg [mg/L]	18-Aug-23	12:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	22-Aug-23	16:45	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	22-Aug-23	16:45	0.030	0.019	0.029	0.113	0.039	0.069
As [mg/L]	22-Aug-23	16:45	0.0049	0.379	0.317	0.0677	0.342	0.0056
Ba [mg/L]	22-Aug-23	16:45	0.00045	0.00025	0.00024	0.00018	0.00015	0.00024
Be [mg/L]	22-Aug-23	16:45	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	22-Aug-23	16:45	0.006	0.004	0.004	< 0.002	0.004	< 0.002
Bi [mg/L]	22-Aug-23	16:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	22-Aug-23	16:45	4.41	3.38	3.10	6.35	1.86	3.27
Cd [mg/L]	22-Aug-23	16:45	0.000005	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	22-Aug-23	16:45	0.000114	0.000133	0.000119	0.000078	0.000159	0.000086
Cr [mg/L]	22-Aug-23	16:45	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00011	0.00009
Cu [mg/L]	22-Aug-23	16:45	0.0010	0.0005	< 0.0002	0.0003	0.0002	0.0004
Fe [mg/L]	22-Aug-23	16:45	0.008	< 0.007	< 0.007	0.016	0.015	< 0.007
K [mg/L]	22-Aug-23	16:45	0.592	0.273	0.246	0.076	0.114	0.110
Li [mg/L]	22-Aug-23	16:45	0.0268	0.0300	0.0283	0.0054	0.0151	0.0060
Mg [mg/L]	22-Aug-23	16:45	1.02	0.624	0.531	0.386	0.374	0.196
Mn [mg/L]	22-Aug-23	16:45	0.00151	0.00139	0.00138	0.00476	0.00076	0.00719
Mo [mg/L]	22-Aug-23	16:45	0.00044	0.00006	0.00005	0.00015	0.00052	0.00016
Na [mg/L]	22-Aug-23	16:46	0.58	0.22	0.22	0.46	0.49	0.22
Ni [mg/L]	22-Aug-23	16:46	0.0003	0.0009	0.0006	0.0002	0.0004	0.0001

OnLine LIMS

0003443804

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#15	6: CV5-WR-HCT-5 Wk#15	7: CV5-WR-HCT-5 (DUP) Wk#15	8: CV5-WR-HCT-1 4 Wk#15	9: CV5-WR-HCT-2 2 Wk#15	10: CV5-WR-HCT-3 3 Wk#15
Pb [mg/L]	22-Aug-23	16:46	0.00026	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	22-Aug-23	16:46	0.0075	0.0903	0.0729	0.0117	0.0199	0.0035
Se [mg/L]	22-Aug-23	16:46	0.00041	0.00013	0.00010	0.00012	0.00009	0.00011
Sn [mg/L]	22-Aug-23	16:46	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007
Sr [mg/L]	22-Aug-23	16:46	0.0198	0.0105	0.0105	0.00701	0.00785	0.00398
Ti [mg/L]	22-Aug-23	16:46	0.00017	0.00010	0.00015	0.00044	0.00056	0.00024
Tl [mg/L]	22-Aug-23	16:46	< 0.000005	< 0.000005	0.000005	< 0.000005	0.000006	< 0.000005
U [mg/L]	22-Aug-23	16:46	0.000120	0.000228	0.000044	0.000115	0.000204	0.000053
V [mg/L]	22-Aug-23	16:46	0.00037	0.00076	0.00074	0.00381	0.00173	0.00099
W [mg/L]	22-Aug-23	16:46	0.00017	0.00021	0.00024	0.00005	0.00009	0.00009
Y [mg/L]	22-Aug-23	16:46	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	22-Aug-23	16:46	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	22-Aug-23	16:46	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	22-Aug-23	16:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001
Cs (tot) [mg/L]	22-Aug-23	16:46	0.0096	0.0139	0.0144	0.0022	0.0064	0.0055
Dy (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	18-Aug-23	12:15	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Gd (tot) [mg/L]	22-Aug-23	16:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	18-Aug-23	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	22-Aug-23	16:46	0.0083	0.0072	0.0065	0.0007	0.0029	0.0010
Re (tot) [mg/L]	22-Aug-23	16:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	22-Aug-23	16:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	18-Aug-23	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	22-Aug-23	16:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	22-Aug-23	16:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	18-Aug-23	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	22-Aug-23	16:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	22-Aug-23	16:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	18-Aug-23	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	22-Aug-23	16:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-3 6 Wk#15	12: CV5-WR-HCT-3 9 Wk#15	13: CV5-WR-HCT-5 0 Wk#15	14: CV5-WR-HCT-5 6 Wk#15	15: CV5-WR-HCT-5 9 Wk#15	16: CV5-WR-HCT-6 2 Wk#15	17: CV5-WR-HCT-6 4 Wk#15	18: CV5-WR-HCT-6 9 Wk#15
Sample Date & Time	10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23	10-Aug-23
HumCell Leachate Vol [mL]	933	900	1008	897	896	899	902	987
pH [No unit]	7.49	6.40	7.37	7.26	7.00	7.38	6.63	7.28

OnLine LMS

0003443804

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10102-AUG23

Analysis	11: CV5-WR-HCT-3 6 Wk#15	12: CV5-WR-HCT-3 9 Wk#15	13: CV5-WR-HCT-5 0 Wk#15	14: CV5-WR-HCT-5 6 Wk#15	15: CV5-WR-HCT-5 9 Wk#15	16: CV5-WR-HCT-6 2 Wk#15	17: CV5-WR-HCT-6 4 Wk#15	18: CV5-WR-HCT-6 9 Wk#15
Alkalinity [mg/L as CaCO3]	11	4	18	9	4	12	4	10
Conductivity [uS/cm]	20	29	48	30	29	31	6	18
Acidity [mg/L as CaCO3]	< 2	3	< 2	< 2	3	< 2	2	< 2
F [mg/L]	< 0.06	0.15	0.30	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	< 2	9	8	6	5	2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.81	< 0.03	< 0.03	< 0.03	0.35	0.65	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.004	0.043	0.057	0.037	0.017	0.002	0.085	0.093
As [mg/L]	2.42	0.0391	0.0206	0.0276	1.07	2.07	0.0152	0.0136
Ba [mg/L]	0.00080	0.00036	0.00050	0.00076	0.00031	0.00099	0.00008	0.00024
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000114	0.000090
B [mg/L]	0.015	0.003	< 0.002	0.004	0.002	0.004	< 0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00036
Ca [mg/L]	3.32	3.78	9.19	4.08	3.44	4.43	1.00	3.60
Cd [mg/L]	< 0.000003	0.000006	0.000028	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000202	0.000186	0.00146	0.000069	0.000370	0.000162	0.000044	0.000053
Cr [mg/L]	0.00014	< 0.00008	< 0.00008	< 0.00008	0.00032	0.00013	0.00016	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0003
Fe [mg/L]	< 0.007	0.011	< 0.007	< 0.007	0.020	< 0.007	0.050	< 0.007
K [mg/L]	0.072	0.393	0.533	1.02	0.154	0.085	0.540	0.176
Li [mg/L]	0.0044	0.0220	0.0116	0.0154	0.0045	0.0008	0.0040	0.0048
Mg [mg/L]	0.685	0.555	0.275	0.774	0.837	1.23	0.075	0.097
Mn [mg/L]	0.00146	0.00168	0.00841	0.0114	0.00136	0.00165	0.00266	0.00382
Mo [mg/L]	0.00014	0.00030	0.00074	0.00018	0.00007	0.00022	< 0.00004	0.00016
Na [mg/L]	0.08	0.37	0.16	0.34	0.22	0.06	0.10	0.29
Ni [mg/L]	0.0091	0.0004	0.0011	0.0001	0.0024	0.0072	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	0.00014	0.00012	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.854	0.0300	0.0698	< 0.0009	0.0165	1.98	0.0019	0.0051
Se [mg/L]	0.00011	0.00015	0.00075	0.00011	0.00012	0.00020	< 0.00004	0.00009
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00014
Sr [mg/L]	0.00592	0.0141	0.00962	0.00701	0.0194	0.00498	0.00206	0.00783
Ti [mg/L]	0.00009	0.00071	0.00009	0.00009	0.00018	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000007	0.000006	0.000028	< 0.000005	< 0.000005	< 0.000005	0.000089	0.000010
U [mg/L]	0.00299	0.000546	0.0101	0.000654	0.000104	0.000168	0.00133	0.00987
V [mg/L]	0.00032	0.00047	0.00025	0.00085	0.00081	0.00040	0.00007	0.00015
W [mg/L]	0.00015	0.00014	0.00007	0.00028	0.00079	0.00023	0.00009	0.00015
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0135	0.0032	0.0567	0.0288	0.0143	0.0045	0.0142	0.0034
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	0.0002	0.0003
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003443804

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-AUG23**

Analysis	11: CV5-WR-HCT-36 Wk#15	12: CV5-WR-HCT-39 Wk#15	13: CV5-WR-HCT-50 Wk#15	14: CV5-WR-HCT-56 Wk#15	15: CV5-WR-HCT-59 Wk#15	16: CV5-WR-HCT-62 Wk#15	17: CV5-WR-HCT-64 Wk#15	18: CV5-WR-HCT-69 Wk#15
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0026	0.0036	0.0196	0.0034	0.0058	0.0024	0.0381	0.0078
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	19: CV5-ORE-HCT-74 Wk#15	20: CV5-ORE-HCT-76 Wk#15
Sample Date & Time	10-Aug-23	10-Aug-23
HumCell Leachate Vol [mL]	991	923
pH [No unit]	6.87	7.55
Alkalinity [mg/L as CaCO3]	4	8
Conductivity [uS/cm]	8	15
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	< 0.06	< 0.06
SO4 [mg/L]	< 2	< 2
Cl [mg/L]	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3
Tot.Reactive P [mg/L]	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.028	0.049
As [mg/L]	0.0270	0.0068
Ba [mg/L]	0.00008	0.00024
Be [mg/L]	< 0.000007	0.000044
B [mg/L]	< 0.002	0.002
Bi [mg/L]	< 0.00001	0.00012
Ca [mg/L]	1.36	2.50
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000043	0.000035

OnLine LMS

0003443804

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-AUG23**

Analysis	19: CV5-ORE-HCT-74 Wk#15	20: CV5-ORE-HCT-76 Wk#15
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0004
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.231	0.606
Li [mg/L]	0.0161	0.0121
Mg [mg/L]	0.032	0.138
Mn [mg/L]	0.0391	0.00224
Mo [mg/L]	< 0.00004	0.00009
Na [mg/L]	0.19	0.19
Ni [mg/L]	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0260	0.0018
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006
Sr [mg/L]	0.00219	0.00666
Ti [mg/L]	< 0.00007	< 0.00007
Tl [mg/L]	0.000042	0.000033
U [mg/L]	0.00362	0.00163
V [mg/L]	< 0.00001	0.00008
W [mg/L]	0.00009	0.00013
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	0.004	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0153	0.0095
Dy (tot) [mg/L]	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0003	0.0002
Gd (tot) [mg/L]	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0259	0.0170
Re (tot) [mg/L]	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001

OnLine LIMS

0003443804

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-AUG23**

Analysis	19: CV5-ORE-HCT-74 Wk#15	20: CV5-ORE-HCT-76 Wk#15
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-August-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 13 July 2023
LR Report: **CA10102-JUL23**
Reference: Wk#11 - Patriot WR

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#11	6: CV5-WR-HCT-5 Wk#11	7: CV5-WR-HCT-5 (DUP) Wk#11	8: CV5-WR-HCT-14 Wk#11
Sample Date & Time			13-Jul-23	13-Jul-23	13-Jul-23	13-Jul-23
HumCell Leachate Vol [mL]	14-Jul-23	08:16	902	914	974	987
pH [No unit]	17-Jul-23	13:44	7.00	7.25	7.15	7.86
Alkalinity [mg/L as CaCO3]	17-Jul-23	13:44	3	5	4	14
Conductivity [uS/cm]	17-Jul-23	13:44	29	22	20	38
Acidity [mg/L as CaCO3]	17-Jul-23	13:44	2	< 2	< 2	< 2
SO4 [mg/L]	13-Jul-23	16:27	7	4	3	3
Tot.Reactive P [mg/L]	25-Jul-23	15:45	< 0.03	0.06	0.04	< 0.03
Ag [mg/L]	01-Aug-23	11:33	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	01-Aug-23	11:33	0.057	0.050	0.041	0.124
As [mg/L]	01-Aug-23	11:33	0.0054	0.411	0.249	0.0716
Ba [mg/L]	01-Aug-23	11:33	0.00041	0.00038	0.00030	0.00019
Be [mg/L]	01-Aug-23	11:33	0.000007	0.000008	0.000008	0.000008
B [mg/L]	01-Aug-23	11:33	0.008	0.005	0.005	0.002
Bi [mg/L]	01-Aug-23	11:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	01-Aug-23	11:33	3.20	2.99	2.40	6.08
Cd [mg/L]	01-Aug-23	11:33	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	01-Aug-23	11:33	0.000110	0.000309	0.000355	0.000124
Cr [mg/L]	01-Aug-23	11:33	0.00013	0.00039	0.00030	0.00024
Cu [mg/L]	01-Aug-23	11:33	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	01-Aug-23	11:33	0.036	0.040	0.041	0.067
K [mg/L]	01-Aug-23	11:33	0.509	0.227	0.174	0.076
Li [mg/L]	01-Aug-23	11:33	0.0253	0.0305	0.0277	0.0077
Mg [mg/L]	01-Aug-23	11:33	0.556	0.529	0.414	0.453
Mn [mg/L]	01-Aug-23	11:33	0.00201	0.00306	0.00347	0.00473
Mo [mg/L]	01-Aug-23	11:33	0.00011	0.00004	< 0.00004	0.00007
Na [mg/L]	01-Aug-23	11:33	0.55	0.20	0.19	0.62
Ni [mg/L]	01-Aug-23	11:33	0.0002	0.0015	0.0010	0.0003

OnLine LIMS

0003420990

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-JUL23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#11	6: CV5-WR-HCT-5 Wk#11	7: CV5-WR-HCT-5 (DUP) Wk#11	8: CV5-WR-HCT-14 Wk#11
Pb [mg/L]	01-Aug-23	11:33	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	02-Aug-23	14:05	0.0060	0.100	0.0709	0.0141
Se [mg/L]	01-Aug-23	11:33	0.00021	0.00013	0.00010	0.00018
Sn [mg/L]	01-Aug-23	11:33	< 0.00006	< 0.00006	< 0.00006	0.00007
Sr [mg/L]	01-Aug-23	11:33	0.0138	0.00916	0.00804	0.00698
Ti [mg/L]	01-Aug-23	11:33	0.00194	0.00147	0.00219	0.00306
Tl [mg/L]	01-Aug-23	11:33	0.000013	0.000017	0.000018	0.000013
U [mg/L]	01-Aug-23	11:33	0.000031	0.000013	0.000019	0.000035
V [mg/L]	01-Aug-23	11:33	0.00050	0.00099	0.00081	0.00443
W [mg/L]	01-Aug-23	11:33	0.00029	0.00025	0.00038	0.00018
Y [mg/L]	01-Aug-23	11:33	< 0.00002	< 0.00002	< 0.00002	0.00003
Zn [mg/L]	01-Aug-23	11:33	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#11	10: CV5-WR-HCT-33 Wk#11	11: CV5-WR-HCT-36 Wk#11	12: CV5-WR-HCT-39 Wk#11	13: CV5-WR-HCT-50 Wk#11	14: CV5-WR-HCT-56 Wk#11
Sample Date & Time	13-Jul-23	13-Jul-23	13-Jul-23	13-Jul-23	13-Jul-23	13-Jul-23
HumCell Leachate Vol [mL]	999	1003	980	959	1002	981
pH [No unit]	6.97	7.34	7.34	6.72	7.44	7.65
Alkalinity [mg/L as CaCO3]	4	8	7	2	13	8
Conductivity [uS/cm]	14	20	24	26	58	27
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	< 2	< 2	< 2	7	10	4
Tot.Reactive P [mg/L]	0.04	< 0.03	1.08	< 0.03	< 0.03	< 0.03
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.057	0.033	0.022	0.050	0.031	0.056
As [mg/L]	0.289	0.0053	2.95	0.0330	0.0242	0.0180
Ba [mg/L]	0.00013	0.00023	0.00079	0.00038	0.00052	0.00110
Be [mg/L]	0.000009	0.000010	0.000014	0.000013	0.000010	0.000007
B [mg/L]	0.005	< 0.002	0.026	0.004	< 0.002	0.004
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.69	3.21	3.33	2.78	9.20	3.64
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000007	< 0.000003
Co [mg/L]	0.000264	0.000070	0.000331	0.000165	0.00104	0.000085
Cr [mg/L]	0.00044	< 0.00008	0.00104	0.00016	< 0.00008	0.00016
Cu [mg/L]	< 0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.047	0.013	0.050	0.024	< 0.007	0.030
K [mg/L]	0.087	0.138	0.061	0.406	0.751	0.652
Li [mg/L]	0.0160	0.0115	0.0062	0.0238	0.0208	0.0115
Mg [mg/L]	0.336	0.261	0.944	0.460	0.433	0.444
Mn [mg/L]	0.00135	0.00686	0.00314	0.00220	0.00837	0.0118

OnLine LIMS

0003420990

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-JUL23**

Analysis	9: CV5-WR-HCT-22 Wk#11	10: CV5-WR-HCT-33 Wk#11	11: CV5-WR-HCT-36 Wk#11	12: CV5-WR-HCT-39 Wk#11	13: CV5-WR-HCT-50 Wk#11	14: CV5-WR-HCT-56 Wk#11
Mo [mg/L]	0.00029	0.00006	< 0.00004	0.00035	0.00075	0.00013
Na [mg/L]	0.46	0.36	0.06	0.38	0.16	0.25
Ni [mg/L]	0.0006	0.0001	0.0123	0.0003	0.0010	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00014	< 0.00009	< 0.00009
Sb [mg/L]	0.0198	0.0049	0.831	0.0293	0.0867	< 0.0009
Se [mg/L]	0.00007	0.00013	0.00009	0.00015	0.00082	0.00009
Sn [mg/L]	< 0.00006	0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00638	0.00421	0.00598	0.0102	0.0103	0.00515
Ti [mg/L]	0.00177	0.00091	0.00068	0.00096	0.00027	0.00262
Tl [mg/L]	0.000014	0.000013	0.000016	0.000018	0.000035	0.000011
U [mg/L]	0.000051	0.000032	0.000090	0.000176	0.001201	0.000233
V [mg/L]	0.00184	0.00126	0.00041	0.00054	0.00032	0.00080
W [mg/L]	0.00017	0.00027	0.00029	0.00022	0.00021	0.00043
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#11	16: CV5-WR-HCT-62 Wk#11	17: CV5-WR-HCT-64 Wk#11	18: CV5-WR-HCT-69 Wk#11	19: CV5-ORE-HCT-74 Wk#11	20: CV5-ORE-HCT-76 Wk#11
Sample Date & Time	13-Jul-23	13-Jul-23	13-Jul-23	13-Jul-23	13-Jul-23	13-Jul-23
HumCell Leachate Vol [mL]	1001	998	1001	1005	1009	966
pH [No unit]	6.85	7.40	7.17	7.61	6.96	7.22
Alkalinity [mg/L as CaCO3]	3	10	7	10	3	7
Conductivity [uS/cm]	20	31	15	22	8	17
Acidity [mg/L as CaCO3]	3	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	4	2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.22	0.89	< 0.03	< 0.03	< 0.03	< 0.03
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.023	0.006	0.025	0.061	0.026	0.207
As [mg/L]	0.854	2.53	0.0261	0.0168	0.0302	0.0115
Ba [mg/L]	0.00021	0.00098	0.00009	0.00017	< 0.00008	0.00045
Be [mg/L]	0.000008	< 0.000007	0.000025	0.000424	0.000268	0.000527
B [mg/L]	0.002	0.005	< 0.002	0.003	< 0.002	0.004
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00018	< 0.00001	0.00007
Ca [mg/L]	2.22	3.87	2.22	3.72	1.09	2.53
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000615	0.000395	0.000017	0.000010	0.000008	0.000040
Cr [mg/L]	0.00086	0.00012	< 0.00008	0.00012	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	0.031	0.007	< 0.007	< 0.007	< 0.007	0.019
K [mg/L]	0.129	0.068	0.708	0.210	0.271	0.763

OnLine LIMS

0003420990

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-JUL23**

Analysis	15: CV5-WR-HCT-59 Wk#11	16: CV5-WR-HCT-62 Wk#11	17: CV5-WR-HCT-64 Wk#11	18: CV5-WR-HCT-69 Wk#11	19: CV5-ORE-HCT-74 Wk#11	20: CV5-ORE-HCT-76 Wk#11
Li [mg/L]	0.0060	0.0012	0.0090	0.0078	0.0277	0.0197
Mg [mg/L]	0.687	1.30	0.149	0.121	0.034	0.180
Mn [mg/L]	0.00173	0.00388	0.00477	0.00269	0.0223	0.00348
Mo [mg/L]	0.00007	0.00020	0.00006	0.00007	< 0.00004	0.00005
Na [mg/L]	0.19	0.08	0.12	0.34	0.24	0.23
Ni [mg/L]	0.0041	0.0204	< 0.0001	< 0.0001	< 0.0001	0.0005
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0152	2.01	0.0045	0.0053	0.0294	0.0031
Se [mg/L]	0.00008	0.00016	0.00004	0.00013	< 0.00004	0.00005
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00010	0.00014	0.00039
Sr [mg/L]	0.0128	0.00429	0.00425	0.00784	0.00180	0.00669
Ti [mg/L]	0.00089	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000011	0.000012	0.000103	0.000020	0.000063	0.000096
U [mg/L]	0.000007	0.000042	0.00126	0.00456	0.00222	0.000840
V [mg/L]	0.00093	0.00041	0.00005	0.00020	0.00002	0.00009
W [mg/L]	0.00088	0.00037	0.00022	0.00021	0.00013	0.00028
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003420990

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

30-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 May 2023
LR Report: **CA10102-MAY23**
Reference: Wk#2

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#2	6: CV5-WR-HCT-5 Wk#2	7: CV5-WR-HCT-5 (DUP) Wk#2	8: CV5-WR-HCT-14 Wk#2	9: CV5-WR-HCT-22 Wk#2	10: CV5-WR-HCT-33 Wk#2
Sample Date & Time			11-May-23	11-May-23	11-May-23	11-May-23	11-May-23	11-May-23
HumCell Leachate Vol [mL]	12-May-23	09:24	968	932	975	1005	955	996
pH [No unit]	15-May-23	11:39	7.22	7.25	7.17	8.65	7.22	8.53
Alkalinity [mg/L as CaCO3]	15-May-23	11:39	6	7	6	23	6	11
Conductivity [uS/cm]	15-May-23	11:39	46	37	38	59	30	30
Acidity [mg/L as CaCO3]	15-May-23	11:39	4	< 2	< 2	< 2	< 2	< 2
F [mg/L]	12-May-23	13:34	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	18-May-23	13:28	9	8	8	4	4	< 2
Cl [mg/L]	18-May-23	13:28	4	1	3	3	3	< 1
NO2 [as N mg/L]	21-May-23	08:11	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	21-May-23	08:11	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	21-May-23	08:11	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	19-May-23	08:06	0.03	0.16	0.07	0.05	0.12	0.09
Hg [mg/L]	15-May-23	15:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	15-May-23	15:16	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	15-May-23	15:16	0.049	0.029	0.031	0.142	0.029	0.053
As [mg/L]	15-May-23	15:16	0.0064	0.545	0.325	0.106	0.281	0.0085
Ba [mg/L]	15-May-23	15:16	0.00035	0.00049	0.00039	0.00029	0.00014	0.00027
Be [mg/L]	15-May-23	15:16	0.000009	< 0.000007	< 0.000007	< 0.000007	0.000008	< 0.000007
B [mg/L]	15-May-23	15:16	0.024	0.025	0.022	0.014	0.014	0.013
Bi [mg/L]	15-May-23	15:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	15-May-23	15:16	3.43	3.72	3.28	6.23	2.43	3.13
Cd [mg/L]	15-May-23	15:16	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	15-May-23	15:16	0.000051	0.000142	0.000146	0.000045	0.000092	0.000044
Cr [mg/L]	15-May-23	15:16	< 0.00008	0.00009	< 0.00008	< 0.00008	0.00009	< 0.00008
Cu [mg/L]	15-May-23	15:16	< 0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	0.0006
Fe [mg/L]	15-May-23	15:16	0.007	0.008	< 0.007	< 0.007	0.007	0.008
K [mg/L]	15-May-23	15:16	1.08	0.603	0.565	0.234	0.235	0.390
Li [mg/L]	15-May-23	15:16	0.0472	0.103	0.119	0.0123	0.0230	0.0219
Mg [mg/L]	15-May-23	15:16	0.635	0.601	0.640	0.668	0.367	0.266
Mn [mg/L]	15-May-23	15:16	0.00208	0.00341	0.00356	0.00178	0.00094	0.01114
Mo [mg/L]	15-May-23	15:16	0.00063	0.00183	0.00018	0.00027	0.00075	0.00048
Na [mg/L]	15-May-23	15:16	3.46	1.80	2.04	3.69	2.58	2.12
Ni [mg/L]	15-May-23	15:17	0.0002	0.0021	0.0017	0.0003	0.0005	0.0002

OnLine LIMS

0003349165

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#2	6: CV5-WR-HCT-5 Wk#2	7: CV5-WR-HCT-5 (DUP) Wk#2	8: CV5-WR-HCT-14 Wk#2	9: CV5-WR-HCT-22 Wk#2	10: CV5-WR-HCT-33 Wk#2
Pb [mg/L]	15-May-23	15:17	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	15-May-23	15:17	0.0081	0.232	0.120	0.0357	0.0224	0.0105
Se [mg/L]	15-May-23	15:17	0.00055	0.00030	0.00028	0.00036	0.00018	0.00017
Sn [mg/L]	15-May-23	15:17	0.00030	0.00020	0.00011	0.00019	0.00011	0.00039
Sr [mg/L]	15-May-23	15:17	0.01901	0.01716	0.01544	0.01214	0.00998	0.00449
Ti [mg/L]	15-May-23	15:17	0.00044	0.00019	0.00018	0.00012	0.00021	0.00049
Tl [mg/L]	15-May-23	15:17	0.000020	0.000011	0.000010	0.000007	0.000009	0.000008
U [mg/L]	15-May-23	15:17	0.002292	0.003907	0.000156	0.000620	0.000114	0.000751
V [mg/L]	15-May-23	15:17	0.00055	0.00131	0.00111	0.00644	0.00199	0.00174
W [mg/L]	15-May-23	15:17	0.00073	0.00124	0.00261	0.00031	0.00062	0.00176
Y [mg/L]	15-May-23	15:17	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	15-May-23	15:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	15-May-23	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	30-May-23	13:19	0.00001	0.00001	< 0.00001	< 0.00001	0.00003	0.00001
Cs (tot) [mg/L]	15-May-23	15:17	0.0134	0.0260	0.0268	0.0046	0.0100	0.0101
Dy (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	0.0001
Gd (tot) [mg/L]	30-May-23	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	15-May-23	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	15-May-23	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	15-May-23	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	15-May-23	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	15-May-23	15:17	0.0122	0.0127	0.0121	0.0019	0.0041	0.0026
Re (tot) [mg/L]	30-May-23	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	15-May-23	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	15-May-23	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	15-May-23	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	15-May-23	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-36 Wk#2	12: CV5-WR-HCT-39 Wk#2	13: CV5-WR-HCT-50 Wk#2	14: CV5-WR-HCT-56 Wk#2	15: CV5-WR-HCT-59 Wk#2	16: CV5-WR-HCT-62 Wk#2	17: CV5-WR-HCT-64 Wk#2	18: CV5-WR-HCT-69 Wk#2
Sample Date & Time	11-May-23	11-May-23	11-May-23	11-May-23	11-May-23	11-May-23	11-May-23	11-May-23
HumCell Leachate Vol [mL]	1002	1003	1009	978	1009	1011	1001	998
pH [No unit]	7.72	7.22	7.58	8.82	7.11	7.92	7.48	8.22

OnLine LMS

0003349165

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-MAY23**

Analysis	11: CV5-WR-HCT-36 Wk#2	12: CV5-WR-HCT-39 Wk#2	13: CV5-WR-HCT-50 Wk#2	14: CV5-WR-HCT-56 Wk#2	15: CV5-WR-HCT-59 Wk#2	16: CV5-WR-HCT-62 Wk#2	17: CV5-WR-HCT-64 Wk#2	18: CV5-WR-HCT-69 Wk#2
Alkalinity [mg/L as CaCO3]	21	7	23	12	5	21	12	20
Conductivity [uS/cm]	62	59	108	38	23	60	28	36
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.23	0.40	< 0.06	< 0.06	0.07	0.16	< 0.06
SO4 [mg/L]	3	18	31	2	5	3	< 2	< 2
Cl [mg/L]	1	< 1	< 1	2	< 1	5	2	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	4.30	0.05	< 0.03	< 0.03	0.12	2.03	0.13	0.08
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.004	0.051	0.086	0.061	0.010	0.002	0.052	0.156
As [mg/L]	14.6	0.0661	0.0332	0.0095	0.501	8.41	0.306	0.136
Ba [mg/L]	0.00226	0.00063	0.00167	0.00087	0.00039	0.00227	0.00018	0.00033
Be [mg/L]	0.000009	0.000011	0.000010	< 0.000007	< 0.000007	< 0.000007	0.000029	0.000332
B [mg/L]	0.079	0.016	0.015	0.018	0.008	0.019	0.037	0.027
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00061
Ca [mg/L]	5.74	4.72	12.8	3.69	2.23	5.00	1.96	4.18
Cd [mg/L]	0.000004	0.000005	0.000029	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000484	0.000142	0.002873	0.000036	0.000373	0.000225	0.000057	0.000060
Cr [mg/L]	0.00012	< 0.00008	< 0.00008	< 0.00008	0.00018	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0004	0.0004	< 0.0002	0.0003	0.0013
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.008	< 0.007	< 0.007	< 0.007
K [mg/L]	0.331	1.42	4.64	2.30	0.314	0.429	2.60	0.798
Li [mg/L]	0.0235	0.0654	0.111	0.0394	0.0068	0.0023	0.0942	0.0406
Mg [mg/L]	3.80	0.776	1.80	0.373	0.725	3.35	0.207	0.235
Mn [mg/L]	0.00572	0.00317	0.01815	0.01430	0.00225	0.00629	0.00432	0.00326
Mo [mg/L]	0.00024	0.00366	0.00617	0.00057	0.00029	0.00167	0.00065	0.00040
Na [mg/L]	1.27	3.74	2.26	2.01	1.18	2.87	2.59	3.33
Ni [mg/L]	0.118	0.0009	0.0069	0.0002	0.0030	0.0833	0.0002	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	1.95	0.0903	0.371	0.0012	0.0135	3.86	0.0315	0.0236
Se [mg/L]	0.00027	0.00051	0.00238	0.00025	0.00017	0.00041	0.00017	0.00036
Sn [mg/L]	0.00033	0.00034	0.00018	0.00009	0.00012	0.00015	0.00035	0.00056
Sr [mg/L]	0.02110	0.02104	0.02803	0.00604	0.01682	0.00906	0.00597	0.01264
Ti [mg/L]	0.00011	0.00025	0.00007	0.00042	0.00019	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000019	0.000021	0.000059	0.000008	0.000007	0.000006	0.000227	0.000030
U [mg/L]	0.001522	0.000421	0.004679	0.002203	0.000206	0.000437	0.021712	0.040880
V [mg/L]	0.00136	0.00078	0.00034	0.00130	0.00096	0.00092	0.00019	0.00058
W [mg/L]	0.00120	0.00098	0.00032	0.00390	0.00369	0.00146	0.00428	0.00239
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00003
Zn [mg/L]	< 0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	0.00009	< 0.00001	0.00014	0.00004	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00002	0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	0.00003
Cs (tot) [mg/L]	0.0422	0.0093	0.147	0.0255	0.0188	0.0121	0.0374	0.0087
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	0.0004	0.0012
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003349165

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-MAY23**

Analysis	11: CV5-WR-HCT-36 Wk#2	12: CV5-WR-HCT-39 Wk#2	13: CV5-WR-HCT-50 Wk#2	14: CV5-WR-HCT-56 Wk#2	15: CV5-WR-HCT-59 Wk#2	16: CV5-WR-HCT-62 Wk#2	17: CV5-WR-HCT-64 Wk#2	18: CV5-WR-HCT-69 Wk#2
Hf (tot) [mg/L]	< 0.0001	0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0003
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0094	0.0102	0.0995	0.0055	0.0081	0.0068	0.117	0.0272
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	19: CV5-ORE-HCT-74 Wk#2	20: CV5-ORE-HCT-76 Wk#2
Sample Date & Time	11-May-23	11-May-23
HumCell Leachate Vol [mL]	1010	1009
pH [No unit]	7.53	8.00
Alkalinity [mg/L as CaCO3]	12	22
Conductivity [uS/cm]	29	41
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	0.21	0.24
SO4 [mg/L]	< 2	< 2
Cl [mg/L]	2	1
NO2 [as N mg/L]	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.44	0.09
Hg [mg/L]	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.069	0.104
As [mg/L]	0.494	0.0794
Ba [mg/L]	0.00009	0.00027
Be [mg/L]	0.000028	0.000112
B [mg/L]	0.025	0.032
Bi [mg/L]	0.00001	0.00023
Ca [mg/L]	0.72	3.29
Cd [mg/L]	< 0.000003	0.000004
Co [mg/L]	0.000048	0.000043

OnLine LIMS

0003349165

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-MAY23**

Analysis	19: CV5-ORE-HCT-74 Wk#2	20: CV5-ORE-HCT-76 Wk#2
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	0.0006	0.0007
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	1.40	2.24
Li [mg/L]	0.272	0.124
Mg [mg/L]	0.036	0.245
Mn [mg/L]	0.01185	0.00379
Mo [mg/L]	0.00045	0.00072
Na [mg/L]	4.74	4.34
Ni [mg/L]	0.0002	0.0001
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.112	0.0131
Se [mg/L]	0.00010	0.00024
Sn [mg/L]	0.00108	0.00030
Sr [mg/L]	0.00192	0.01087
Ti [mg/L]	< 0.00005	< 0.00005
Tl [mg/L]	0.000138	0.000096
U [mg/L]	0.038139	0.018474
V [mg/L]	0.00016	0.00036
W [mg/L]	0.00155	0.00283
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00001
Cs (tot) [mg/L]	0.0530	0.0242
Dy (tot) [mg/L]	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0007	0.0006
Gd (tot) [mg/L]	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.111	0.0491
Re (tot) [mg/L]	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001

OnLine LIMS

0003349165

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10102-MAY23**

Analysis	19: CV5-ORE-HCT-74 Wk#2	20: CV5-ORE-HCT-76 Wk#2
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-August-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 10 August 2023
LR Report: **CA10103-AUG23**
Reference: Wk#15 - Patriot Tailings -Short- (9.5mm fraction size)

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#15	6: CV5-DMS-HC T-84 Wk#15
Sample Date & Time			10-Aug-23	10-Aug-23
HumCell Leachate Vol [mL]	11-Aug-23	16:51	964	948
pH [No unit]	14-Aug-23	10:32	6.32	6.25
Alkalinity [mg/L as CaCO3]	14-Aug-23	10:32	< 2	< 2
Conductivity [uS/cm]	14-Aug-23	10:32	2	3
Acidity [mg/L as CaCO3]	14-Aug-23	10:32	2	3
F [mg/L]	16-Aug-23	09:27	0.33	< 0.06
SO4 [mg/L]	18-Aug-23	16:12	< 2	< 2
Cl [mg/L]	18-Aug-23	16:12	< 1	< 1
NO2 [as N mg/L]	17-Aug-23	12:09	< 0.03	< 0.03
NO3 [as N mg/L]	17-Aug-23	12:09	< 0.06	< 0.06
Br [mg/L]	17-Aug-23	12:09	< 0.3	< 0.3
Tot.Reactive P [mg/L]	11-Aug-23	09:57	< 0.03	< 0.03
Hg [mg/L]	18-Aug-23	12:15	< 0.00001	< 0.00001
Ag [mg/L]	22-Aug-23	16:48	< 0.00005	< 0.00005
Al [mg/L]	22-Aug-23	16:48	0.023	0.031
As [mg/L]	22-Aug-23	16:48	0.0109	0.0063
Ba [mg/L]	22-Aug-23	16:48	< 0.00008	< 0.00008
Be [mg/L]	22-Aug-23	16:48	< 0.000007	< 0.000007
B [mg/L]	22-Aug-23	16:48	< 0.002	< 0.002
Bi [mg/L]	22-Aug-23	16:48	0.00003	0.00003
Ca [mg/L]	22-Aug-23	16:48	0.49	0.49
Cd [mg/L]	22-Aug-23	16:48	< 0.000003	< 0.000003
Co [mg/L]	22-Aug-23	16:48	0.000063	0.000019
Cr [mg/L]	22-Aug-23	16:48	< 0.00008	< 0.00008
Cu [mg/L]	22-Aug-23	16:48	< 0.0002	< 0.0002

OnLine LIMS

0003443955

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10103-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#15	6: CV5-DMS-HC T-84 Wk#15
Fe [mg/L]	22-Aug-23	16:48	< 0.007	< 0.007
K [mg/L]	22-Aug-23	16:48	0.160	0.156
Li [mg/L]	22-Aug-23	16:48	0.0015	0.0015
Mg [mg/L]	22-Aug-23	16:48	0.023	0.024
Mn [mg/L]	22-Aug-23	16:48	0.00144	0.00237
Mo [mg/L]	22-Aug-23	16:48	0.00060	0.00019
Na [mg/L]	22-Aug-23	16:48	0.05	0.05
Ni [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Pb [mg/L]	22-Aug-23	16:48	< 0.00009	< 0.00009
Sb [mg/L]	22-Aug-23	16:48	0.0031	0.0022
Se [mg/L]	22-Aug-23	16:48	< 0.00004	< 0.00004
Sn [mg/L]	22-Aug-23	16:48	< 0.00006	< 0.00006
Sr [mg/L]	22-Aug-23	16:48	0.00138	0.00133
Ti [mg/L]	22-Aug-23	16:48	< 0.00007	< 0.00007
Tl [mg/L]	22-Aug-23	16:48	0.000014	0.000017
U [mg/L]	22-Aug-23	16:48	0.00691	0.00252
V [mg/L]	22-Aug-23	16:48	0.00004	0.00002
W [mg/L]	22-Aug-23	16:48	0.00006	0.00007
Y [mg/L]	22-Aug-23	16:48	< 0.00002	< 0.00002
Zn [mg/L]	22-Aug-23	16:48	< 0.002	< 0.002
Au (tot) [mg/L]	22-Aug-23	16:48	< 0.00001	< 0.00001
Ce (tot) [mg/L]	22-Aug-23	16:48	< 0.00001	< 0.00001
Cs (tot) [mg/L]	22-Aug-23	16:48	0.0019	0.0020
Dy (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Er (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Eu (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Ga (tot) [mg/L]	18-Aug-23	12:14	< 0.0001	< 0.0001
Gd (tot) [mg/L]	22-Aug-23	16:48	< 0.00001	< 0.00001
Ge (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Hf (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Ho (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
In (tot) [mg/L]	18-Aug-23	12:14	< 0.0001	< 0.0001
Ir (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
La (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Lu (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Nb (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Nd (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Os (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Pd (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Pr (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Pt (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Rb (tot) [mg/L]	22-Aug-23	16:48	0.0097	0.0098

OnLine LIMS

0003443955

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10103-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#15	6: CV5-DMS-HC T-84 Wk#15
Re (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Rh (tot) [mg/L]	22-Aug-23	16:48	< 0.00001	< 0.00001
Sc (tot) [mg/L]	18-Aug-23	12:14	< 0.0001	< 0.0001
Sm (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Ta (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Tb (tot) [mg/L]	18-Aug-23	12:14	< 0.0001	< 0.0001
Te (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Th (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001
Tm (tot) [mg/L]	18-Aug-23	12:14	< 0.0001	< 0.0001
Yb (tot) [mg/L]	22-Aug-23	16:48	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003443955

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

10-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 12 October 2023
LR Report: **CA10105-OCT23**
Reference: Wk#24

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#24	6: CV5-DMS-HCT-84 Wk#24
Sample Date & Time			12-Oct-23	12-Oct-23
HumCell Leachate Vol [mL]	13-Oct-23	18:23	1003	985
pH [No unit]	16-Oct-23	13:14	6.49	6.30
Alkalinity [mg/L as CaCO3]	16-Oct-23	13:14	< 2	< 2
Conductivity [uS/cm]	17-Oct-23	15:55	< 2	< 2
Acidity [mg/L as CaCO3]	17-Oct-23	15:55	3	2
Tot.Reactive P [mg/L]	16-Oct-23	08:55	< 0.03	< 0.03
SO4 [mg/L]	23-Oct-23	14:55	< 2	< 2
Ag [mg/L]	17-Oct-23	13:08	< 0.00005	< 0.00005
Al [mg/L]	17-Oct-23	13:08	0.019	0.020
As [mg/L]	17-Oct-23	13:08	0.0070	0.0053
Ba [mg/L]	17-Oct-23	13:08	0.00011	0.00012
Be [mg/L]	17-Oct-23	13:08	< 0.000007	< 0.000007
B [mg/L]	17-Oct-23	13:08	< 0.002	< 0.002
Bi [mg/L]	17-Oct-23	13:08	0.00002	0.00004
Ca [mg/L]	17-Oct-23	13:08	0.45	0.52
Cd [mg/L]	17-Oct-23	13:08	< 0.000003	< 0.000003
Co [mg/L]	17-Oct-23	13:08	< 0.000004	0.000010
Cr [mg/L]	17-Oct-23	13:08	< 0.00008	< 0.00008
Cu [mg/L]	17-Oct-23	13:08	0.0006	0.0002
Fe [mg/L]	17-Oct-23	13:08	< 0.007	< 0.007
K [mg/L]	17-Oct-23	13:08	0.104	0.118
Li [mg/L]	17-Oct-23	13:08	0.0011	0.0013
Mg [mg/L]	17-Oct-23	13:08	0.023	0.025
Mn [mg/L]	17-Oct-23	13:08	0.00145	0.00262
Mo [mg/L]	17-Oct-23	13:08	0.00023	0.00148
Na [mg/L]	17-Oct-23	13:08	0.15	0.26
Na [mg/L]	10-Nov-23	11:44	0.01	0.01
Ni [mg/L]	17-Oct-23	13:08	0.0001	0.0001
Pb [mg/L]	17-Oct-23	13:08	< 0.00009	< 0.00009
Sb [mg/L]	17-Oct-23	13:08	0.0025	0.0025
Se [mg/L]	17-Oct-23	13:08	< 0.00004	< 0.00004
Sn [mg/L]	17-Oct-23	13:08	< 0.00006	0.00007
Sr [mg/L]	17-Oct-23	13:08	0.00116	0.00136

OnLine LIMS

0003529725

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10105-OCT23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#24	6: CV5-DMS-HCT-84 Wk#24
Ti [mg/L]	17-Oct-23	13:08	< 0.00007	< 0.00007
Tl [mg/L]	17-Oct-23	13:08	0.000009	0.000011
U [mg/L]	17-Oct-23	13:08	0.00159	0.00222
V [mg/L]	17-Oct-23	13:08	0.00002	0.00002
W [mg/L]	17-Oct-23	13:08	0.00003	0.00004
Y [mg/L]	17-Oct-23	13:08	< 0.00002	< 0.00002
Zn [mg/L]	17-Oct-23	13:08	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003529725

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

18-October-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 September 2023
LR Report: **CA10167-SEP23**
Reference: Wk#21

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#21	6: CV5-DMS-HCT-84 Wk#21
Sample Date & Time			21-Sep-23	21-Sep-23
HumCell Leachate Vol [mL]	22-Sep-23	16:51	974	964
pH [No unit]	27-Sep-23	10:18	6.52	6.28
Alkalinity [mg/L as CaCO3]	26-Sep-23	10:59	< 2	< 2
Conductivity [uS/cm]	26-Sep-23	10:59	2	2
Acidity [mg/L as CaCO3]	26-Sep-23	10:59	2	3
Tot.Reactive P [mg/L]	25-Sep-23	08:47	< 0.03	< 0.03
SO4 [mg/L]	16-Oct-23	12:29	< 2	< 2
Ag [mg/L]	29-Sep-23	15:44	< 0.00005	< 0.00005
Al [mg/L]	29-Sep-23	15:44	0.021	0.021
As [mg/L]	29-Sep-23	15:44	0.0070	0.0063
Ba [mg/L]	29-Sep-23	15:44	0.00013	0.00016
Be [mg/L]	29-Sep-23	15:44	0.000007	< 0.000007
B [mg/L]	29-Sep-23	15:44	< 0.002	< 0.002
Bi [mg/L]	29-Sep-23	15:44	0.00003	0.00003
Ca [mg/L]	29-Sep-23	15:44	0.43	0.44
Cd [mg/L]	29-Sep-23	15:44	0.000003	< 0.000003
Co [mg/L]	29-Sep-23	15:44	< 0.000004	0.000008
Cr [mg/L]	29-Sep-23	15:44	0.00008	0.00016
Cu [mg/L]	29-Sep-23	15:44	0.0003	0.0004
Fe [mg/L]	29-Sep-23	15:44	0.007	0.011
K [mg/L]	29-Sep-23	15:44	0.102	0.109
Li [mg/L]	29-Sep-23	15:44	0.0013	0.0014
Mg [mg/L]	29-Sep-23	15:44	0.019	0.021
Mn [mg/L]	29-Sep-23	15:44	0.00134	0.00247
Mo [mg/L]	29-Sep-23	15:44	0.00551	0.00017
Na [mg/L]	29-Sep-23	15:44	0.05	0.05
Ni [mg/L]	29-Sep-23	15:44	< 0.0001	< 0.0001
Pb [mg/L]	29-Sep-23	15:44	< 0.00009	< 0.00009
Sb [mg/L]	29-Sep-23	15:44	0.0021	0.0021
Se [mg/L]	29-Sep-23	15:44	< 0.00004	< 0.00004
Sn [mg/L]	29-Sep-23	15:44	< 0.00006	< 0.00006
Sr [mg/L]	29-Sep-23	15:44	0.00100	0.00110
Ti [mg/L]	29-Sep-23	15:44	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10167-SEP23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#21	6: CV5-DMS-HCT-84 Wk#21
Tl [mg/L]	29-Sep-23	15:44	0.000011	0.000010
U [mg/L]	29-Sep-23	15:44	0.00147	0.00173
V [mg/L]	29-Sep-23	15:44	0.00003	0.00004
W [mg/L]	29-Sep-23	15:44	0.00003	0.00003
Y [mg/L]	29-Sep-23	15:44	< 0.00002	< 0.00002
Zn [mg/L]	29-Sep-23	15:44	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003504126

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 April 2023
LR Report: **CA10170-APR23**
Reference: Wk#0 - Patriot Tailings- Long - (9.5mm fraction size)

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#0	6: CV5-DMS-HCT-8 4 Wk#0
Sample Date & Time			27-Apr-23	27-Apr-23
HumCell Leachate Vol [mL]	29-Apr-23	09:24	936	939
pH [No unit]	28-Apr-23	11:09	7.34	7.37
Alkalinity [mg/L as CaCO3]	28-Apr-23	11:09	6	6
Conductivity [uS/cm]	28-Apr-23	11:09	28	30
Acidity [mg/L as CaCO3]	28-Apr-23	11:09	< 2	< 2
F [mg/L]	11-May-23	13:42	0.13	0.13
SO4 [mg/L]	08-May-23	10:36	3	3
Cl [mg/L]	09-May-23	13:39	3	3
NO2 [as N mg/L]	07-May-23	10:27	< 0.03	< 0.03
NO3 [as N mg/L]	07-May-23	10:27	< 0.06	< 0.06
Br [mg/L]	07-May-23	10:27	< 0.3	< 0.3
Diss.Reactive P [mg/L]	05-May-23	09:24	0.05	0.03
Hg [mg/L]	29-Apr-23	09:24	< 0.00001	< 0.00001
Ag [mg/L]	03-May-23	15:42	< 0.00005	< 0.00005
Al [mg/L]	03-May-23	15:42	0.068	0.076
As [mg/L]	03-May-23	15:42	0.106	0.0887
Ba [mg/L]	03-May-23	15:42	0.00037	0.00027
Be [mg/L]	03-May-23	15:42	0.000068	0.000035
B [mg/L]	03-May-23	15:42	0.006	0.007
Bi [mg/L]	03-May-23	15:42	0.00013	0.00009
Ca [mg/L]	03-May-23	15:42	2.72	2.71
Cd [mg/L]	03-May-23	15:42	0.000005	0.000004
Co [mg/L]	03-May-23	15:42	0.000119	0.000113
Cr [mg/L]	03-May-23	15:42	0.00019	0.00015
Cu [mg/L]	03-May-23	15:42	0.0017	0.0019
Fe [mg/L]	03-May-23	15:42	0.007	< 0.007
K [mg/L]	03-May-23	15:42	1.37	1.50

OnLine LIMS

0003336092

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10170-APR23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#0	6: CV5-DMS-HCT-8 4 Wk#0
Li [mg/L]	03-May-23	15:42	0.0802	0.0799
Mg [mg/L]	03-May-23	15:42	0.141	0.133
Mn [mg/L]	03-May-23	15:42	0.00382	0.00335
Mo [mg/L]	03-May-23	15:42	0.00275	0.00259
Na [mg/L]	03-May-23	15:42	2.45	2.37
Ni [mg/L]	03-May-23	15:42	0.0007	0.0008
Pb [mg/L]	03-May-23	15:42	0.00014	< 0.00009
Sb [mg/L]	03-May-23	15:42	0.0083	0.0066
Se [mg/L]	03-May-23	15:42	0.00020	0.00024
Sn [mg/L]	03-May-23	15:42	0.00064	0.00038
Sr [mg/L]	03-May-23	15:42	0.00684	0.00655
Ti [mg/L]	03-May-23	15:42	0.00012	0.00005
Tl [mg/L]	03-May-23	15:42	0.000068	0.000076
U [mg/L]	03-May-23	15:42	0.0141	0.0136
V [mg/L]	03-May-23	15:42	0.00026	0.00028
W [mg/L]	03-May-23	15:42	0.00177	0.00187
Y [mg/L]	03-May-23	15:42	< 0.00002	< 0.00002
Zn [mg/L]	03-May-23	15:42	< 0.002	< 0.002
Au (tot) [mg/L]	11-May-23	15:11	0.00088	< 0.00001
Ce (tot) [mg/L]	08-May-23	09:46	0.00006	0.00004
Cs (tot) [mg/L]	03-May-23	15:42	0.0057	0.0066
Dy (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Er (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Eu (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Ga (tot) [mg/L]	08-May-23	09:47	0.0002	0.0002
Gd (tot) [mg/L]	08-May-23	09:47	< 0.00001	< 0.00001
Ge (tot) [mg/L]	16-May-23	15:26	< 0.0001	< 0.0001
Hf (tot) [mg/L]	03-May-23	15:42	< 0.0001	< 0.0001
Ho (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
In (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Ir (tot) [mg/L]	16-May-23	15:26	< 0.0001	< 0.0001
La (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Lu (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Nb (tot) [mg/L]	03-May-23	15:42	< 0.0001	0.0001
Nd (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Os (tot) [mg/L]	16-May-23	15:27	< 0.0001	< 0.0001
Pd (tot) [mg/L]	03-May-23	15:43	< 0.0001	< 0.0001
Pr (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Pt (tot) [mg/L]	03-May-23	15:51	< 0.0001	< 0.0001
Rb (tot) [mg/L]	03-May-23	15:51	0.0568	0.0648
Re (tot) [mg/L]	16-May-23	15:27	< 0.0001	< 0.0001
Rh (tot) [mg/L]	03-May-23	15:51	< 0.00001	< 0.00001
Sc (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Sm (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Ta (tot) [mg/L]	16-May-23	15:27	< 0.0001	< 0.0001

OnLine LIMS

0003336092

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10170-APR23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#0	6: CV5-DMS-HCT-8 4 Wk#0
Tb (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Te (tot) [mg/L]	03-May-23	15:51	< 0.0001	< 0.0001
Th (tot) [mg/L]	03-May-23	15:51	< 0.0001	< 0.0001
Tm (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001
Yb (tot) [mg/L]	08-May-23	09:47	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003336092

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

16-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 December 2023
LR Report: **CA10174-DEC23**
Reference: Wk#34

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#34	6: CV5-DMS-HCT-84 Wk#34
Sample Date & Time			21-Dec-23	21-Dec-23
HumCell Leachate Vol [mL]	28-Dec-23	13:50	996	993
pH [No unit]	22-Dec-23	13:32	6.10	6.25
Alkalinity [mg/L as CaCO3]	22-Dec-23	13:32	< 2	< 2
Conductivity [uS/cm]	22-Dec-23	13:32	2	2
Acidity [mg/L as CaCO3]	22-Dec-23	13:32	< 2	< 2
Tot.Reactive P [mg/L]	27-Dec-23	10:00	< 0.03	< 0.03
SO4 [mg/L]	29-Dec-23	13:31	< 2	< 2
Ag [mg/L]	02-Jan-24	14:44	< 0.00005	< 0.00005
Al [mg/L]	02-Jan-24	14:44	0.012	0.011
As [mg/L]	02-Jan-24	14:44	0.0044	0.0029
Ba [mg/L]	02-Jan-24	14:44	< 0.00008	< 0.00008
Be [mg/L]	02-Jan-24	14:44	0.000007	< 0.000007
B [mg/L]	02-Jan-24	14:44	< 0.002	< 0.002
Bi [mg/L]	02-Jan-24	14:44	0.00002	0.00003
Ca [mg/L]	02-Jan-24	14:44	0.32	0.34
Cd [mg/L]	02-Jan-24	14:44	< 0.000003	< 0.000003
Co [mg/L]	02-Jan-24	14:44	< 0.000004	< 0.000004
Cr [mg/L]	02-Jan-24	14:44	< 0.00008	< 0.00008
Cu [mg/L]	02-Jan-24	14:44	< 0.0002	< 0.0002
Fe [mg/L]	02-Jan-24	14:44	< 0.007	< 0.007
K [mg/L]	02-Jan-24	14:44	0.048	0.049
Li [mg/L]	02-Jan-24	14:44	0.0005	0.0005
Mg [mg/L]	02-Jan-24	14:44	0.013	0.012
Mn [mg/L]	02-Jan-24	14:44	0.00094	0.00121
Mo [mg/L]	02-Jan-24	14:44	0.00045	< 0.00004
Na [mg/L]	02-Jan-24	14:44	0.02	0.01
Ni [mg/L]	02-Jan-24	14:44	< 0.0001	< 0.0001
Pb [mg/L]	02-Jan-24	14:44	< 0.00009	< 0.00009
Sb [mg/L]	02-Jan-24	14:44	0.0016	0.0013
Se [mg/L]	02-Jan-24	14:44	< 0.00004	< 0.00004
Sn [mg/L]	02-Jan-24	14:44	< 0.00006	< 0.00006
Sr [mg/L]	02-Jan-24	14:44	0.00082	0.00082
Ti [mg/L]	02-Jan-24	14:44	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003592785

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10174-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#34	6: CV5-DMS-HCT-84 Wk#34
Tl [mg/L]	02-Jan-24	14:44	0.000006	0.000007
U [mg/L]	02-Jan-24	14:44	0.000896	0.00126
V [mg/L]	02-Jan-24	14:44	0.00002	0.00001
W [mg/L]	02-Jan-24	14:44	< 0.00002	< 0.00002
Y [mg/L]	02-Jan-24	14:44	< 0.00002	< 0.00002
Zn [mg/L]	02-Jan-24	14:44	0.005	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003592785

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 December 2023
LR Report: **CA10175-DEC23**
Reference: Wk#34

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#34	6: CV5-WR-HCT-5 Wk#34	7: CV5-WR-HCT-5 (DUP) Wk#34	8: CV5-WR-HCT-14 Wk#34
Sample Date & Time			21-Dec-23	21-Dec-23	21-Dec-23	21-Dec-23
HumCell Leachate Vol [mL]	28-Dec-23	13:50	970	946	991	994
pH [No unit]	28-Dec-23	11:01	6.54	6.75	6.57	7.42
Alkalinity [mg/L as CaCO3]	27-Dec-23	13:20	2	3	3	12
Conductivity [uS/cm]	28-Dec-23	11:03	31	21	19	32
Acidity [mg/L as CaCO3]	27-Dec-23	13:21	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	27-Dec-23	10:00	< 0.03	0.03	< 0.03	< 0.03
SO4 [mg/L]	29-Dec-23	13:35	10	5	3	2
Ag [mg/L]	02-Jan-24	14:31	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	02-Jan-24	14:31	0.022	0.020	0.019	0.096
As [mg/L]	02-Jan-24	14:31	0.0031	0.173	0.114	0.0392
Ba [mg/L]	02-Jan-24	14:31	0.00023	0.00017	0.00014	0.00019
Be [mg/L]	02-Jan-24	14:31	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	02-Jan-24	14:31	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	02-Jan-24	14:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	02-Jan-24	14:31	4.01	2.79	2.09	5.37
Cd [mg/L]	02-Jan-24	14:31	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	02-Jan-24	14:31	0.000191	0.000218	0.000234	0.000057
Cr [mg/L]	02-Jan-24	14:31	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	02-Jan-24	14:31	0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	02-Jan-24	14:31	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	02-Jan-24	14:31	0.153	0.076	0.055	0.026
Li [mg/L]	02-Jan-24	14:31	0.0063	0.0084	0.0062	0.0041
Mg [mg/L]	02-Jan-24	14:31	0.284	0.181	0.144	0.212
Mn [mg/L]	02-Jan-24	14:32	0.00094	0.00143	0.00142	0.00532
Mo [mg/L]	02-Jan-24	14:32	0.00125	0.0115	0.00026	0.00054
Na [mg/L]	02-Jan-24	14:32	0.18	0.06	0.04	0.15
Ni [mg/L]	02-Jan-24	14:32	0.0006	0.0017	0.0010	0.0002

OnLine LMS

0003592810

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10175-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#34	6: CV5-WR-HCT-5 Wk#34	7: CV5-WR-HCT-5 (DUP) Wk#34	8: CV5-WR-HCT-14 Wk#34
Pb [mg/L]	02-Jan-24	14:32	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	02-Jan-24	14:32	0.0028	0.0443	0.0244	0.0047
Se [mg/L]	02-Jan-24	14:32	0.00015	< 0.00004	0.00005	0.00007
Sn [mg/L]	02-Jan-24	14:32	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	02-Jan-24	14:32	0.0108	0.00591	0.00473	0.00444
Ti [mg/L]	02-Jan-24	14:32	0.00010	0.00010	< 0.00007	0.00024
Tl [mg/L]	02-Jan-24	14:32	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	02-Jan-24	14:32	0.000589	0.000899	0.00357	0.000160
V [mg/L]	02-Jan-24	14:32	0.00028	0.00041	0.00039	0.00247
W [mg/L]	02-Jan-24	14:32	0.00003	0.00006	0.00005	< 0.00002
Y [mg/L]	02-Jan-24	14:32	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	02-Jan-24	14:32	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#34	10: CV5-WR-HCT-33 Wk#34	11: CV5-WR-HCT-36 Wk#34	12: CV5-WR-HCT-39 Wk#34	13: CV5-WR-HCT-50 Wk#34	14: CV5-WR-HCT-56 Wk#34
Sample Date & Time	21-Dec-23	21-Dec-23	21-Dec-23	21-Dec-23	21-Dec-23	21-Dec-23
HumCell Leachate Vol [mL]	985	991	993	981	999	998
pH [No unit]	6.76	7.08	7.02	6.37	6.59	6.93
Alkalinity [mg/L as CaCO3]	3	6	5	2	3	6
Conductivity [uS/cm]	12	17	17	22	37	32
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.33	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	2	6	9	6
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.016	0.056	0.002	0.012	0.006	0.036
As [mg/L]	0.135	0.0037	1.13	0.0193	0.0027	0.0137
Ba [mg/L]	< 0.00008	0.00018	0.00045	0.00017	0.00034	0.00051
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.004	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.60	2.53	2.10	2.42	4.95	4.29
Cd [mg/L]	< 0.000003	< 0.000003	0.000004	0.000004	0.000028	0.000006
Co [mg/L]	0.000114	0.000041	0.000334	0.000139	0.00153	0.000065
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0008	0.0004	< 0.0002	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K [mg/L]	0.029	0.038	0.035	0.156	0.117	0.174
Li [mg/L]	0.0053	0.0031	0.0022	0.0076	0.0076	0.0029
Mg [mg/L]	0.190	0.104	0.463	0.307	0.081	0.224
Mn [mg/L]	0.00055	0.00864	0.00231	0.00152	0.00646	0.00665

OnLine LIMS

0003592810

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10175-DEC23**

Analysis	9: CV5-WR-HCT-22 Wk#34	10: CV5-WR-HCT-33 Wk#34	11: CV5-WR-HCT-36 Wk#34	12: CV5-WR-HCT-39 Wk#34	13: CV5-WR-HCT-50 Wk#34	14: CV5-WR-HCT-56 Wk#34
Mo [mg/L]	0.00087	0.00013	0.00873	0.00054	0.00018	0.0117
Na [mg/L]	0.08	0.08	0.02	0.10	0.06	0.10
Ni [mg/L]	0.0004	< 0.0001	0.0109	0.0005	0.0014	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0058	0.0013	0.401	0.0129	0.0155	< 0.0009
Se [mg/L]	< 0.00004	0.00004	< 0.00004	0.00005	0.00038	0.00005
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00483	0.00241	0.00265	0.00770	0.00435	0.00480
Ti [mg/L]	0.00013	0.00017	< 0.00007	0.00008	< 0.00007	0.00012
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000010	< 0.000005
U [mg/L]	0.000883	0.000023	0.000194	0.00254	0.00112	0.000391
V [mg/L]	0.00104	0.00061	0.00017	0.00027	0.00004	0.00034
W [mg/L]	0.00005	0.00003	0.00006	0.00003	< 0.00002	0.00007
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.007	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#34	16: CV5-WR-HCT-62 Wk#34	17: CV5-WR-HCT-64 Wk#34	18: CV5-WR-HCT-69 Wk#34	19: CV5-ORE-HCT-74 Wk#34	20: CV5-ORE-HCT-76 Wk#34
Sample Date & Time	21-Dec-23	21-Dec-23	21-Dec-23	21-Dec-23	21-Dec-23	21-Dec-23
HumCell Leachate Vol [mL]	996	1000	992	995	990	1000
pH [No unit]	6.49	7.17	6.99	7.16	6.55	7.15
Alkalinity [mg/L as CaCO3]	2	9	5	5	2	8
Conductivity [uS/cm]	13	28	12	13	5	17
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.06	0.27	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	3	4	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.003	< 0.001	0.024	0.073	0.017	0.028
As [mg/L]	0.266	0.941	0.0072	0.0041	0.0109	0.0029
Ba [mg/L]	0.00015	0.00043	< 0.00008	0.00012	< 0.00008	0.00009
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000075	< 0.000007	0.000032
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00015	< 0.00001	0.00007
Ca [mg/L]	1.56	3.52	1.92	2.46	0.81	2.89
Cd [mg/L]	< 0.000003	0.000005	< 0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	0.000762	0.000971	0.000019	0.000010	0.000008	0.000012
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.009	< 0.007	< 0.007
K [mg/L]	0.030	0.019	0.179	0.061	0.095	0.273

OnLine LMS

0003592810

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10175-DEC23**

Analysis	15: CV5-WR-HCT-59 Wk#34	16: CV5-WR-HCT-62 Wk#34	17: CV5-WR-HCT-64 Wk#34	18: CV5-WR-HCT-69 Wk#34	19: CV5-ORE-HCT-74 Wk#34	20: CV5-ORE-HCT-76 Wk#34
Li [mg/L]	0.0018	0.0005	0.0018	0.0018	0.0071	0.0074
Mg [mg/L]	0.313	0.969	0.059	0.033	0.013	0.121
Mn [mg/L]	0.00204	0.00353	0.00455	0.00270	0.0532	0.00162
Mo [mg/L]	0.00025	0.0113	0.00046	0.00010	0.00018	0.00009
Na [mg/L]	0.03	0.03	0.04	0.11	0.08	0.15
Ni [mg/L]	0.0068	0.0175	0.0002	0.0002	< 0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0052	0.703	0.0015	0.0017	0.0113	0.0012
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00737	0.00253	0.00281	0.00449	0.00128	0.00628
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000028	< 0.000005	0.000027	0.000017
U [mg/L]	0.000010	0.00154	0.00105	0.00362	0.00104	0.00160
V [mg/L]	0.00034	0.00014	0.00003	0.00008	0.00002	0.00005
W [mg/L]	0.00010	0.00008	0.00005	0.00004	0.00005	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003592810

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

05-December-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 23 November 2023
LR Report: **CA10195-NOV23**
Reference: Wk#30

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#30	6: CV5-DMS-HC T-84 Wk#30
Sample Date & Time			23-Nov-23	23-Nov-23
HumCell Leachate Vol [mL]	24-Nov-23	09:02	1007	990
pH [No unit]	29-Nov-23	12:17	6.80	6.01
Alkalinity [mg/L as CaCO3]	27-Nov-23	15:15	< 2	< 2
Conductivity [uS/cm]	27-Nov-23	15:15	3	2
Acidity [mg/L as CaCO3]	27-Nov-23	15:15	2	< 2
F [mg/L]	27-Nov-23	09:16	< 0.06	< 0.06
Tot.Reactive P [mg/L]	24-Nov-23	09:30	< 0.03	< 0.03
SO4 [mg/L]	04-Dec-23	16:28	< 2	< 2
Cl [mg/L]	04-Dec-23	16:28	< 1	< 1
NO2 [as N mg/L]	27-Nov-23	13:40	< 0.03	< 0.03
NO3 [as N mg/L]	27-Nov-23	13:40	< 0.06	< 0.06
Br [mg/L]	27-Nov-23	13:40	< 0.3	< 0.3
Hg [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001
Ag [mg/L]	29-Nov-23	12:13	< 0.00005	< 0.00005
Al [mg/L]	29-Nov-23	12:13	0.014	0.013
As [mg/L]	29-Nov-23	12:13	0.0046	0.0031
Ba [mg/L]	29-Nov-23	12:13	0.00008	0.00008
Be [mg/L]	29-Nov-23	12:13	< 0.000007	0.000011
B [mg/L]	29-Nov-23	12:13	< 0.002	< 0.002
Bi [mg/L]	29-Nov-23	12:13	0.00003	0.00003
Ca [mg/L]	29-Nov-23	12:13	0.38	0.39
Cd [mg/L]	29-Nov-23	12:13	< 0.000003	< 0.000003
Co [mg/L]	29-Nov-23	12:13	0.000011	< 0.000004
Cr [mg/L]	29-Nov-23	12:13	< 0.00008	< 0.00008
Cu [mg/L]	29-Nov-23	12:13	< 0.0002	< 0.0002
Fe [mg/L]	29-Nov-23	12:13	< 0.007	< 0.007
K [mg/L]	29-Nov-23	12:13	0.076	0.073

SMN1 InLine

0003554613

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10195-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#30	6: CV5-DMS-HC T-84 Wk#30
Li [mg/L]	29-Nov-23	12:13	0.0007	0.0011
Mg [mg/L]	29-Nov-23	12:13	0.017	0.021
Mn [mg/L]	29-Nov-23	12:13	0.00080	0.00145
Mo [mg/L]	29-Nov-23	12:13	0.00019	0.00006
Na [mg/L]	29-Nov-23	12:13	0.02	0.03
Ni [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001
Pb [mg/L]	29-Nov-23	12:13	< 0.00009	< 0.00009
Sb [mg/L]	29-Nov-23	12:13	0.0016	0.0014
Se [mg/L]	29-Nov-23	12:13	< 0.00004	< 0.00004
Sn [mg/L]	29-Nov-23	12:13	< 0.00006	< 0.00006
Sr [mg/L]	29-Nov-23	12:13	0.00091	0.00085
Ti [mg/L]	29-Nov-23	12:13	< 0.00007	< 0.00007
Tl [mg/L]	29-Nov-23	12:13	0.000005	0.000009
U [mg/L]	29-Nov-23	12:13	0.00388	0.00140
V [mg/L]	29-Nov-23	12:13	0.00003	0.00002
W [mg/L]	29-Nov-23	12:13	< 0.00002	0.00006
Y [mg/L]	29-Nov-23	12:13	< 0.00002	< 0.00002
Zn [mg/L]	29-Nov-23	12:13	< 0.002	< 0.002
Au (tot) [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001
Ce (tot) [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001
Cs (tot) [mg/L]	29-Nov-23	12:13	0.0014	0.0015
Dy (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001
Er (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001
Eu (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001
Ga (tot) [mg/L]	30-Nov-23	16:31	< 0.0001	< 0.0001
Gd (tot) [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001
Ge (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001
Hf (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001
Ho (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001
In (tot) [mg/L]	30-Nov-23	16:31	< 0.0001	< 0.0001
Ir (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
La (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Lu (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Nb (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Nd (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Os (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Pd (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Pr (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Pt (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Rb (tot) [mg/L]	29-Nov-23	12:14	0.0048	0.0049
Re (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Rh (tot) [mg/L]	29-Nov-23	12:14	< 0.00001	< 0.00001

OnLine LIMS

0003554613

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10195-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#30	6: CV5-DMS-HC T-84 Wk#30
Sc (tot) [mg/L]	30-Nov-23	16:31	< 0.0001	< 0.0001
Sm (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Ta (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Tb (tot) [mg/L]	30-Nov-23	16:31	< 0.0001	< 0.0001
Te (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Th (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001
Tm (tot) [mg/L]	30-Nov-23	16:31	< 0.0001	< 0.0001
Yb (tot) [mg/L]	29-Nov-23	12:14	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

06-December-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 23 November 2023
LR Report: **CA10196-NOV23**
Reference: Wk#30

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#30	6: CV5-WR-HCT-5 Wk#30	7: CV5-WR-HCT-5 (DUP) Wk#30	8: CV5-WR-HCT-14 Wk#30
Sample Date & Time			23-Nov-23	23-Nov-23	23-Nov-23	23-Nov-23
HumCell Leachate Vol [mL]	24-Nov-23	09:02	913	898	927	976
pH [No unit]	29-Nov-23	12:18	6.60	6.75	6.83	7.40
Alkalinity [mg/L as CaCO3]	28-Nov-23	10:00	3	4	3	11
Conductivity [uS/cm]	27-Nov-23	15:19	31	24	17	29
Acidity [mg/L as CaCO3]	27-Nov-23	15:19	3	< 2	< 2	< 2
F [mg/L]	27-Nov-23	09:16	< 0.06	0.14	< 0.06	< 0.06
Tot.Reactive P [mg/L]	24-Nov-23	09:31	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	04-Dec-23	16:28	9	3	4	2
Cl [mg/L]	04-Dec-23	16:28	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	27-Nov-23	13:40	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	27-Nov-23	13:40	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	27-Nov-23	13:40	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	29-Nov-23	12:13	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-Nov-23	12:13	0.025	0.027	0.024	0.093
As [mg/L]	29-Nov-23	12:13	0.0038	0.152	0.204	0.0371
Ba [mg/L]	29-Nov-23	12:13	0.00032	0.00027	0.00034	0.00015
Be [mg/L]	29-Nov-23	12:13	0.000011	< 0.000007	0.000010	< 0.000007
B [mg/L]	29-Nov-23	12:13	0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	29-Nov-23	12:13	4.36	2.55	3.19	5.41
Cd [mg/L]	29-Nov-23	12:13	0.000004	< 0.000003	0.000004	< 0.000003
Co [mg/L]	29-Nov-23	12:13	0.000103	0.000188	0.000198	0.000052
Cr [mg/L]	29-Nov-23	12:13	< 0.00008	0.00008	< 0.00008	< 0.00008
Cu [mg/L]	29-Nov-23	12:13	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	29-Nov-23	12:13	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	29-Nov-23	12:13	0.264	0.108	0.135	0.042

OnLine LMS

0003555511

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10196-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#30	6: CV5-WR-HCT-5 Wk#30	7: CV5-WR-HCT-5 (DUP) Wk#30	8: CV5-WR-HCT-14 Wk#30
Li [mg/L]	29-Nov-23	12:13	0.0111	0.0099	0.0115	0.0045
Mg [mg/L]	29-Nov-23	12:13	0.429	0.227	0.263	0.240
Mn [mg/L]	29-Nov-23	12:13	0.00151	0.00189	0.00216	0.00537
Mo [mg/L]	29-Nov-23	12:13	0.00014	0.00007	0.00007	0.00018
Na [mg/L]	29-Nov-23	12:13	0.20	0.08	0.08	0.19
Ni [mg/L]	29-Nov-23	12:13	0.0003	0.0007	0.0012	0.0001
Pb [mg/L]	29-Nov-23	12:13	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	29-Nov-23	12:13	0.0027	0.0246	0.0435	0.0053
Se [mg/L]	29-Nov-23	12:13	0.00023	0.00009	0.00005	0.00009
Sn [mg/L]	29-Nov-23	12:13	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	29-Nov-23	12:13	0.0119	0.00601	0.00641	0.00401
Ti [mg/L]	29-Nov-23	12:13	0.00018	0.00015	0.00019	0.00026
Tl [mg/L]	29-Nov-23	12:13	< 0.000005	< 0.000005	0.000007	< 0.000005
U [mg/L]	29-Nov-23	12:13	0.00189	0.000297	0.000123	0.000635
V [mg/L]	29-Nov-23	12:13	0.00029	0.00045	0.00057	0.00243
W [mg/L]	29-Nov-23	12:13	0.00009	0.00005	0.00005	0.00003
Y [mg/L]	29-Nov-23	12:13	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	29-Nov-23	12:13	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	29-Nov-23	12:13	0.0070	0.0087	0.0089	0.0015
Dy (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	30-Nov-23	16:24	< 0.0001	< 0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	30-Nov-23	16:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	29-Nov-23	12:13	0.0044	0.0032	0.0037	0.0004
Re (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	29-Nov-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

00035555111

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10196-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#30	6: CV5-WR-HCT-5 Wk#30	7: CV5-WR-HCT-5 (DUP) Wk#30	8: CV5-WR-HCT-14 Wk#30
Sc (tot) [mg/L]	30-Nov-23	16:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	30-Nov-23	16:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	30-Nov-23	16:24	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	29-Nov-23	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	9: CV5-WR-HCT-22 Wk#30	10: CV5-WR-HCT-33 Wk#30	11: CV5-WR-HCT-36 Wk#30	12: CV5-WR-HCT-39 Wk#30	13: CV5-WR-HCT-50 Wk#30	14: CV5-WR-HCT-56 Wk#30	15: CV5-WR-HCT-59 Wk#30
Sample Date & Time	23-Nov-23	23-Nov-23	23-Nov-23	23-Nov-23	23-Nov-23	23-Nov-23	23-Nov-23
HumCell Leachate Vol [mL]	989	948	958	947	985	937	951
pH [No unit]	6.79	7.19	7.11	6.54	6.51	7.66	6.54
Alkalinity [mg/L as CaCO3]	3	6	5	2	3	5	2
Conductivity [uS/cm]	11	15	18	20	40	25	14
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	7	< 2	3
F [mg/L]	< 0.06	< 0.06	< 0.06	0.16	0.20	< 0.06	< 0.06
Tot.Reactive P [mg/L]	0.05	< 0.03	0.38	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	2	6	13	5	4
Cl [mg/L]	< 1	< 1	< 1	< 1	2	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.023	0.064	0.002	0.021	0.008	0.038	0.008
As [mg/L]	0.180	0.0041	1.19	0.0217	0.0035	0.0159	0.319
Ba [mg/L]	0.00013	0.00018	0.00067	0.00031	0.00057	0.00039	0.00016
Be [mg/L]	< 0.000007	0.000008	0.000012	0.000012	0.000010	0.000008	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.66	2.78	2.76	2.76	7.19	4.49	2.10
Cd [mg/L]	0.000013	< 0.000003	0.000016	0.000010	0.000049	< 0.000003	0.000003
Co [mg/L]	0.000148	0.000041	0.000245	0.000254	0.00251	0.000055	0.000519
Cr [mg/L]	0.00008	< 0.00008	0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	< 0.0002	0.0005	0.0003	0.0002	0.0003	< 0.0002	0.0004
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.051	0.062	0.068	0.234	0.195	0.284	0.051
Li [mg/L]	0.0074	0.0044	0.0029	0.0113	0.0106	0.0050	0.0021

OnLine LIMS

0003555511

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10196-NOV23**

Analysis	9: CV5-WR-HCT-22 Wk#30	10: CV5-WR-HCT-33 Wk#30	11: CV5-WR-HCT-36 Wk#30	12: CV5-WR-HCT-39 Wk#30	13: CV5-WR-HCT-50 Wk#30	14: CV5-WR-HCT-56 Wk#30	15: CV5-WR-HCT-59 Wk#30
Mg [mg/L]	0.259	0.141	0.604	0.379	0.161	0.329	0.398
Mn [mg/L]	0.00072	0.00863	0.00169	0.00190	0.00743	0.00692	0.00152
Mo [mg/L]	0.00023	0.00026	0.00004	0.00016	0.00067	0.00016	0.00016
Na [mg/L]	0.12	0.11	0.03	0.13	0.13	0.09	0.07
Ni [mg/L]	0.0004	< 0.0001	0.0075	0.0004	0.0020	0.0001	0.0037
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0081	0.0013	0.518	0.0124	0.0163	< 0.0009	0.0051
Se [mg/L]	0.00006	0.00012	0.00008	0.00011	0.00083	0.00006	0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00522	0.00240	0.00342	0.00862	0.00613	0.00446	0.00878
Ti [mg/L]	0.00021	< 0.00007	< 0.00007	0.00021	< 0.00007	< 0.00007	0.00022
Tl [mg/L]	0.000009	< 0.000005	0.000009	0.000005	0.000020	< 0.000005	< 0.000005
U [mg/L]	0.000222	0.00463	0.000060	0.00133	0.00140	0.000975	0.000016
V [mg/L]	0.00121	0.00063	0.00017	0.00031	0.00007	0.00037	0.00032
W [mg/L]	0.00003	0.00003	0.00008	0.00003	0.00040	0.00009	0.00017
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.002	0.015	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	0.00002	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0040	0.0029	0.0123	0.0020	0.0244	0.0186	0.0065
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0013	0.0006	0.0024	0.0022	0.0068	0.0012	0.0020
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003555511

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10196-NOV23**

Analysis	9: CV5-WR-HCT-22 Wk#30	10: CV5-WR-HCT-33 Wk#30	11: CV5-WR-HCT-36 Wk#30	12: CV5-WR-HCT-39 Wk#30	13: CV5-WR-HCT-50 Wk#30	14: CV5-WR-HCT-56 Wk#30	15: CV5-WR-HCT-59 Wk#30
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	16: CV5-WR-HCT-62 Wk#30	17: CV5-WR-HCT-64 Wk#30	18: CV5-WR-HCT-69 Wk#30	19: CV5-ORE-HCT-74 Wk#30	20: CV5-ORE-HCT-76 Wk#30
Sample Date & Time	23-Nov-23	23-Nov-23	23-Nov-23	23-Nov-23	23-Nov-23
HumCell Leachate Vol [mL]	916	993	998	997	982
pH [No unit]	7.26	6.88	7.01	6.59	7.02
Alkalinity [mg/L as CaCO3]	7	5	7	3	6
Conductivity [uS/cm]	23	9	13	5	12
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	0.17	< 0.03	< 0.03	0.03	< 0.03
SO4 [mg/L]	3	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.002	0.024	0.061	0.014	0.041
As [mg/L]	0.735	0.0075	0.0053	0.0103	0.0031
Ba [mg/L]	0.00052	0.00014	0.00020	< 0.00008	0.00018
Be [mg/L]	< 0.000007	0.000013	0.000154	0.000017	0.000085
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	0.00018	< 0.00001	0.00010
Ca [mg/L]	3.63	1.91	2.86	0.87	2.30
Cd [mg/L]	< 0.000003	< 0.000003	0.000013	< 0.000003	0.000005
Co [mg/L]	0.000400	0.000030	0.000019	0.000013	0.000032
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.039	0.259	0.090	0.121	0.335
Li [mg/L]	0.0019	0.0029	0.0022	0.0079	0.0082
Mg [mg/L]	0.985	0.084	0.048	0.018	0.127

OnLine LMS

0003555511

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10196-NOV23**

Analysis	16: CV5-WR-HCT-62 Wk#30	17: CV5-WR-HCT-64 Wk#30	18: CV5-WR-HCT-69 Wk#30	19: CV5-ORE-HCT-74 Wk#30	20: CV5-ORE-HCT-76 Wk#30
Mn [mg/L]	0.00264	0.00469	0.00346	0.0440	0.00188
Mo [mg/L]	0.00009	0.00010	0.00007	< 0.00004	0.00008
Na [mg/L]	0.03	0.05	0.14	0.09	0.09
Ni [mg/L]	0.0075	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.631	0.0019	0.0026	0.0105	0.0013
Se [mg/L]	0.00010	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00239	0.00284	0.00511	0.00126	0.00534
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000045	0.000012	0.000027	0.000033
U [mg/L]	0.00117	0.00395	0.00503	0.00195	0.000969
V [mg/L]	0.00018	0.00002	0.00008	0.00003	0.00008
W [mg/L]	0.00008	0.00005	0.00005	0.00003	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0028	0.0079	0.0019	0.0096	0.0061
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	0.0001	0.0001	0.0002
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0013	0.0173	0.0040	0.0131	0.0103
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003555511

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10196-NOV23**

Analysis	16: CV5-WR-HCT-62 Wk#30	17: CV5-WR-HCT-64 Wk#30	18: CV5-WR-HCT-69 Wk#30	19: CV5-ORE-HCT-74 Wk#30	20: CV5-ORE-HCT-76 Wk#30
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003555511

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

10-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 April 2023
LR Report: **CA10198-APR23**
Reference: Wk#0 - Patriot WR - Long

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#0	6: CV5-WR-HCT-5 Wk#0	7: CV5-WR-HCT-5 (DUP) Wk#0	8: CV5-WR-HCT-14 Wk#0	9: CV5-WR-HCT-22 Wk#0
Sample Date & Time			27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23
HumCell Leachate Vol [mL]	29-Apr-23	09:24	836	816	824	829	821
pH [No unit]	01-May-23	13:38	8.80	8.33	8.32	8.12	7.65
Alkalinity [mg/L as CaCO3]	01-May-23	13:38	15	12	14	22	11
Conductivity [uS/cm]	01-May-23	13:38	45	36	33	86	28
Acidity [mg/L as CaCO3]	01-May-23	13:38	< 2	< 2	< 2	< 2	< 2
F [mg/L]	01-May-23	09:54	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	08-May-23	09:25	3	3	< 2	2	< 2
Cl [mg/L]	09-May-23	13:39	4	3	2	22	2
NO2 [as N mg/L]	07-May-23	10:28	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	07-May-23	10:28	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	07-May-23	10:28	< 0.3	< 0.3	< 0.3	0.5	< 0.3
Tot.Reactive P [mg/L]	05-May-23	09:25	< 0.03	< 0.03	0.03	< 0.03	< 0.03
Hg [mg/L]	02-May-23	15:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	05-May-23	10:28	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	05-May-23	10:28	0.172	0.118	0.154	0.131	0.090
As [mg/L]	05-May-23	10:28	0.0027	0.0461	0.0373	0.0115	0.0195
Ba [mg/L]	05-May-23	10:28	0.00054	0.00039	0.00041	0.00031	0.00022
Be [mg/L]	05-May-23	10:28	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	05-May-23	10:28	0.012	0.010	0.014	0.013	0.007
Bi [mg/L]	05-May-23	10:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	05-May-23	10:28	5.08	4.25	4.23	6.75	3.56
Cd [mg/L]	05-May-23	10:28	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	05-May-23	10:28	0.000031	0.000043	0.000063	0.000028	0.000028
Cr [mg/L]	05-May-23	10:28	0.00009	0.00017	0.00025	< 0.00008	0.00010
Cu [mg/L]	05-May-23	10:28	0.0009	0.0006	0.0014	0.0005	0.0004
Fe [mg/L]	05-May-23	10:28	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K [mg/L]	05-May-23	10:28	1.21	0.804	0.767	0.490	0.292
Li [mg/L]	05-May-23	10:28	0.0302	0.103	0.109	0.0161	0.0148
Mg [mg/L]	05-May-23	10:28	0.545	0.346	0.308	0.700	0.237

OnLine LMS

0003328028

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10198-APR23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#0	6: CV5-WR-HCT-5 Wk#0	7: CV5-WR-HCT-5 (DUP) Wk#0	8: CV5-WR-HCT-14 Wk#0	9: CV5-WR-HCT-22 Wk#0
Mn [mg/L]	05-May-23	10:28	0.00069	0.00079	0.00081	0.00133	0.00034
Mo [mg/L]	08-May-23	16:22	0.00035	0.00018	0.00036	0.00023	0.00024
Na [mg/L]	05-May-23	10:29	3.03	2.00	1.96	11.0	2.31
Ni [mg/L]	05-May-23	10:29	0.0002	0.0006	0.0009	0.0003	0.0002
Pb [mg/L]	05-May-23	10:29	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	05-May-23	10:29	0.0030	0.0300	0.0177	0.0046	0.0034
Se [mg/L]	05-May-23	10:29	0.00036	0.00014	0.00007	0.00008	< 0.00004
Sn [mg/L]	05-May-23	10:29	0.00273	0.00138	0.00037	0.00058	0.00024
Sr [mg/L]	05-May-23	10:29	0.0188	0.0107	0.0103	0.0151	0.00902
Ti [mg/L]	05-May-23	10:29	0.00035	0.00015	0.00020	< 0.00005	0.00013
Tl [mg/L]	05-May-23	10:29	0.000006	0.000018	0.000019	< 0.000005	0.000013
U [mg/L]	05-May-23	10:29	0.000305	0.00496	0.00348	0.000038	0.000041
V [mg/L]	05-May-23	10:29	0.00085	0.00100	0.00115	0.00219	0.00105
W [mg/L]	05-May-23	10:29	0.00054	0.00119	0.00153	0.00020	0.00022
Y [mg/L]	05-May-23	10:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	05-May-23	10:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	08-May-23	16:22	0.00011	0.00002	0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	08-May-23	09:37	0.00001	< 0.00001	0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	05-May-23	10:29	0.0184	0.0344	0.0349	0.0082	0.0172
Dy (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	08-May-23	09:37	0.0002	< 0.0001	< 0.0001	0.0005	< 0.0001
Gd (tot) [mg/L]	08-May-23	09:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	08-May-23	16:22	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	05-May-23	10:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	08-May-23	16:22	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	05-May-23	10:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	08-May-23	16:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	05-May-23	10:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	05-May-23	10:30	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	05-May-23	10:30	0.0174	0.0222	0.0209	0.0037	0.0072
Re (tot) [mg/L]	08-May-23	16:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	05-May-23	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	05-May-23	10:30	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	05-May-23	10:30	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

00033280028

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10198-APR23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#0	6: CV5-WR-HCT-5 Wk#0	7: CV5-WR-HCT-5 (DUP) Wk#0	8: CV5-WR-HCT-14 Wk#0	9: CV5-WR-HCT-22 Wk#0
Th (tot) [mg/L]	05-May-23	10:30	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	08-May-23	09:37	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	08-May-23	09:38	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	10: CV5-WR-HCT-33 Wk#0	11: CV5-WR-HCT-36 Wk#0	12: CV5-WR-HCT-39 Wk#0	13: CV5-WR-HCT-50 Wk#0	14: CV5-WR-HCT-56 Wk#0	15: CV5-WR-HCT-59 Wk#0	16: CV5-WR-HCT-62 Wk#0
Sample Date & Time	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23
HumCell Leachate Vol [mL]	845	823	830	803	876	827	844
pH [No unit]	8.36	8.49	7.34	7.37	8.82	7.31	8.56
Alkalinity [mg/L as CaCO3]	15	17	8	14	17	9	16
Conductivity [uS/cm]	40	37	33	114	45	27	53
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	0.17	0.20	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	< 2	< 2	5	37	< 2	3	< 2
Cl [mg/L]	2	< 1	2	8	3	< 1	7
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.05	0.05	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.165	0.023	0.084	0.087	0.161	0.038	0.010
As [mg/L]	0.0041	0.195	0.0095	0.0207	0.0023	0.0432	0.185
Ba [mg/L]	0.00041	0.00100	0.00030	0.00156	0.00161	0.00045	0.00071
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.006	0.056	0.005	0.008	0.009	0.007	0.011
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	4.93	3.81	2.14	8.57	5.04	2.62	5.58
Cd [mg/L]	< 0.000003	0.000006	< 0.000003	0.000005	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000050	0.000046	0.000023	0.000493	0.000034	0.000063	0.000072
Cr [mg/L]	< 0.00008	0.00376	0.00012	< 0.00008	< 0.00008	0.00050	0.00047
Cu [mg/L]	0.0009	0.0004	0.0002	0.0004	0.0005	0.0006	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.014	0.012
K [mg/L]	0.597	0.585	1.49	7.66	3.15	0.631	0.390
Li [mg/L]	0.0167	0.0232	0.0459	0.189	0.0269	0.0060	0.0019
Mg [mg/L]	0.319	1.48	0.241	1.37	0.363	0.490	1.49
Mn [mg/L]	0.00254	0.00145	0.00085	0.00607	0.00268	0.00082	0.00205
Mo [mg/L]	0.00029	0.0123	0.00178	0.00395	0.00092	0.00033	0.00148
Na [mg/L]	2.85	2.22	3.58	8.00	2.30	2.27	3.11
Ni [mg/L]	0.0002	0.0021	0.0003	0.0087	0.0003	0.0029	0.0032
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0030	0.161	0.0051	0.0443	< 0.0009	0.0023	0.0590
Se [mg/L]	< 0.00004	< 0.00004	0.00022	0.00430	0.00006	0.00010	0.00004

OnLine LIMS

0003328028

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10198-APR23**

Analysis	10: CV5-WR-HCT-33 Wk#0	11: CV5-WR-HCT-36 Wk#0	12: CV5-WR-HCT-39 Wk#0	13: CV5-WR-HCT-50 Wk#0	14: CV5-WR-HCT-56 Wk#0	15: CV5-WR-HCT-59 Wk#0	16: CV5-WR-HCT-62 Wk#0
Sn [mg/L]	0.00224	0.00272	0.00082	0.00038	0.00027	0.00046	0.00146
Sr [mg/L]	0.00702	0.0130	0.00739	0.0233	0.00859	0.0154	0.00688
Ti [mg/L]	0.00032	0.00006	0.00021	0.00022	0.00017	0.00028	< 0.00005
Tl [mg/L]	0.000010	0.000019	0.000022	0.000070	0.000005	0.000015	0.000013
U [mg/L]	0.000829	0.000117	0.000466	0.000327	0.00223	0.000152	0.000796
V [mg/L]	0.00196	0.00121	0.00036	0.00015	0.00141	0.00061	0.00042
W [mg/L]	0.00061	0.00104	0.00045	0.00031	0.00391	0.00221	0.00077
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00003	0.00002	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0070	0.0655	0.0127	0.155	0.0207	0.0361	0.0114
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0002	0.0001	0.0002	0.0002	0.0002	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0043	0.0172	0.0182	0.171	0.0094	0.0152	0.0073
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

00033280028

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10198-APR23**

Analysis	17: CV5-WR-HCT-64 Wk#0	18: CV5-WR-HCT-69 Wk#0	19: CV5-ORE-HCT-74 Wk#0	20: CV5-ORE-HCT-76 Wk#0
Sample Date & Time	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23
HumCell Leachate Vol [mL]	820	847	827	801
pH [No unit]	8.31	9.09	7.90	8.67
Alkalinity [mg/L as CaCO3]	13	29	11	22
Conductivity [uS/cm]	53	114	154	117
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	0.27	0.33	0.44	0.42
SO4 [mg/L]	< 2	7	< 2	6
Cl [mg/L]	10	22	44	27
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.21	0.21	0.34	0.13
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.193	0.257	0.135	0.189
As [mg/L]	0.340	0.210	0.933	0.0315
Ba [mg/L]	0.00024	0.00052	0.00011	0.00026
Be [mg/L]	0.000026	0.000437	0.000031	0.000091
B [mg/L]	0.045	0.083	0.038	0.035
Bi [mg/L]	< 0.00001	0.00100	0.00004	0.00034
Ca [mg/L]	2.08	3.63	1.04	4.45
Cd [mg/L]	< 0.000003	0.000003	0.000004	< 0.000003
Co [mg/L]	0.000104	0.000181	0.000080	0.000058
Cr [mg/L]	0.00011	0.00013	0.00009	< 0.00008
Cu [mg/L]	0.0028	0.0089	0.0022	0.0021
Fe [mg/L]	< 0.007	0.011	< 0.007	< 0.007
K [mg/L]	4.47	1.86	3.30	3.81
Li [mg/L]	0.153	0.134	0.867	0.484
Mg [mg/L]	0.151	0.212	0.048	0.313
Mn [mg/L]	0.00219	0.00182	0.00575	0.00204
Mo [mg/L]	0.00109	0.00224	0.00271	0.00146
Na [mg/L]	5.69	20.2	21.6	13.9
Ni [mg/L]	0.0005	0.0005	0.0002	0.0001
Pb [mg/L]	< 0.00009	0.00011	< 0.00009	< 0.00009
Sb [mg/L]	0.0082	0.0200	0.0427	0.0039
Se [mg/L]	< 0.00004	0.00067	< 0.00004	0.00008
Sn [mg/L]	0.00208	0.00485	0.00470	0.00055
Sr [mg/L]	0.00464	0.0121	0.00345	0.0159
Ti [mg/L]	0.00006	0.00017	0.00007	< 0.00005
Tl [mg/L]	0.000328	0.000076	0.000335	0.000171
U [mg/L]	0.00175	0.0303	0.00718	0.000677
V [mg/L]	0.00021	0.00143	0.00017	0.00029
W [mg/L]	0.00682	0.00714	0.00335	0.00249
Y [mg/L]	< 0.00002	0.00018	< 0.00002	< 0.00002

OnLine LIMS

0003328028

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10198-APR23**

Analysis	17: CV5-WR-HCT-64 Wk#0	18: CV5-WR-HCT-69 Wk#0	19: CV5-ORE-HCT-74 Wk#0	20: CV5-ORE-HCT-76 Wk#0
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00011	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0438	0.0143	0.156	0.0347
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0006	0.0016	0.0005	0.0008
Gd (tot) [mg/L]	< 0.00001	0.00007	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	0.0002	0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	0.0006	0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	0.0001	0.0028	0.0002	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.259	0.0709	0.316	0.115
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	0.0003	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	0.0003	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003328028

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

23-August-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 July 2023
LR Report: **CA10203-JUL23**
Reference: Wk#13 - Patriot Tailings -Short- (9.5mm fraction size)

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#13	6: CV5-DMS-HCT-84 Wk#13
Sample Date & Time			27-Jul-23	27-Jul-23
HumCell Leachate Vol [mL]	15-Aug-23	10:20	975	959
pH [No unit]	31-Jul-23	13:38	6.55	6.55
Alkalinity [mg/L as CaCO3]	31-Jul-23	13:38	< 2	< 2
Conductivity [uS/cm]	31-Jul-23	13:38	4	4
Acidity [mg/L as CaCO3]	31-Jul-23	13:38	4	3
Tot.Reactive P [mg/L]	31-Jul-23	11:38	< 0.03	< 0.03
SO4 [mg/L]	31-Jul-23	19:30	< 2	< 2
Ag [mg/L]	04-Aug-23	16:52	< 0.00005	< 0.00005
Al [mg/L]	04-Aug-23	16:52	0.025	0.022
As [mg/L]	04-Aug-23	16:52	0.0124	0.0067
Ba [mg/L]	04-Aug-23	16:52	< 0.00008	< 0.00008
Be [mg/L]	04-Aug-23	16:52	< 0.000007	0.000008
B [mg/L]	04-Aug-23	16:52	< 0.002	< 0.002
Bi [mg/L]	04-Aug-23	16:52	0.00002	0.00003
Ca [mg/L]	04-Aug-23	16:52	0.43	0.40
Cd [mg/L]	04-Aug-23	16:52	< 0.000003	< 0.000003
Co [mg/L]	04-Aug-23	16:52	0.000023	0.000031
Cr [mg/L]	04-Aug-23	16:52	---	---
Cr [mg/L]	23-Aug-23	09:35	0.00008	< 0.00008
Cu [mg/L]	04-Aug-23	16:52	0.0009	< 0.0002
Cu [mg/L]	23-Aug-23	09:35	0.0010	< 0.0002
Fe [mg/L]	04-Aug-23	16:52	---	---
Fe [mg/L]	23-Aug-23	09:35	< 0.007	< 0.007
K [mg/L]	04-Aug-23	16:52	0.132	0.115
Li [mg/L]	04-Aug-23	16:52	0.0015	0.0015
Mg [mg/L]	04-Aug-23	16:52	0.019	0.020
Mn [mg/L]	04-Aug-23	16:52	0.00258	0.00332
Mo [mg/L]	04-Aug-23	16:52	0.00036	0.00045
Na [mg/L]	04-Aug-23	16:52	0.05	0.04
Ni [mg/L]	04-Aug-23	16:52	---	0.0003
Ni [mg/L]	23-Aug-23	09:35	0.0001	0.0002

OnLine LMS

0003443012

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10203-JUL23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#13	6: CV5-DMS-HCT-84 Wk#13
Pb [mg/L]	04-Aug-23	16:52	< 0.00009	< 0.00009
Sb [mg/L]	04-Aug-23	16:52	0.0029	0.0022
Se [mg/L]	04-Aug-23	16:52	< 0.00004	< 0.00004
Sn [mg/L]	04-Aug-23	16:52	< 0.00006	< 0.00006
Sr [mg/L]	04-Aug-23	16:52	0.00111	0.00105
Ti [mg/L]	04-Aug-23	16:52	< 0.00007	< 0.00007
Tl [mg/L]	04-Aug-23	16:52	0.000014	0.000026
U [mg/L]	04-Aug-23	16:52	0.00437	0.00326
V [mg/L]	04-Aug-23	16:52	0.00003	0.00003
W [mg/L]	04-Aug-23	16:52	0.00005	0.00010
Y [mg/L]	04-Aug-23	16:52	< 0.00002	< 0.00002
Zn [mg/L]	04-Aug-23	16:52	0.002	< 0.002
Zn [mg/L]	23-Aug-23	09:35	0.002	0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003443012

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

11-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 July 2023
LR Report: **CA10204-JUL23**
Reference: Wk#13 - Patriot WR

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#13	6: CV5-WR-HCT-5 Wk#13	7: CV5-WR-HCT-5 (DUP) Wk#13	8: CV5-WR-HCT-14 Wk#13	9: CV5-WR-HCT-22 Wk#13	10: CV5-WR-HCT-33 Wk#13
Sample Date & Time			27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23
HumCell Leachate Vol [mL]	15-Aug-23	10:20	963	945	977	994	986	978
pH [No unit]	02-Aug-23	09:53	7.00	7.18	7.08	7.70	6.96	7.39
Alkalinity [mg/L as CaCO3]	31-Jul-23	13:44	3	6	5	15	4	7
Conductivity [uS/cm]	31-Jul-23	13:44	26	23	18	32	13	18
Acidity [mg/L as CaCO3]	02-Aug-23	10:42	2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	31-Jul-23	11:38	< 0.03	0.06	0.04	< 0.03	0.06	< 0.03
SO4 [mg/L]	01-Aug-23	17:09	7	4	3	3	2	< 2
Ag [mg/L]	04-Aug-23	16:53	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	04-Aug-23	16:53	0.029	0.021	0.026	0.083	0.026	0.055
As [mg/L]	04-Aug-23	16:53	0.0051	0.359	0.228	0.0589	0.238	0.0057
Ba [mg/L]	04-Aug-23	16:53	0.00022	0.00027	0.00016	0.00013	< 0.00008	0.00016
Be [mg/L]	04-Aug-23	16:53	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	04-Aug-23	16:53	0.005	0.004	0.003	< 0.002	0.004	< 0.002
Bi [mg/L]	04-Aug-23	16:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	04-Aug-23	16:53	3.03	2.76	2.01	4.87	1.29	2.72
Cd [mg/L]	04-Aug-23	16:53	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	04-Aug-23	16:53	0.000116	0.000131	0.000267	0.000061	0.000140	0.000048
Cr [mg/L]	04-Aug-23	16:53	0.00158	< 0.00008	---	0.00014	0.00034	< 0.00008
Cr [mg/L]	31-Aug-23	14:59	---	---	0.00065	---	---	---
Cu [mg/L]	04-Aug-23	16:53	0.0011	0.0002	---	0.0002	0.0004	0.0005
Cu [mg/L]	31-Aug-23	14:59	---	---	0.0026	---	---	---
Fe [mg/L]	24-Aug-23	13:45	< 0.007	0.007	< 0.007	---	0.008	< 0.007
Fe [mg/L]	31-Aug-23	CHECK	---	---	---	0.015	---	---
K [mg/L]	04-Aug-23	16:53	0.356	0.156	0.106	0.043	0.058	0.085
Li [mg/L]	04-Aug-23	16:53	0.0133	0.0174	0.0130	0.0043	0.0088	0.0062
Mg [mg/L]	04-Aug-23	16:53	0.374	0.356	0.235	0.274	0.205	0.171
Mn [mg/L]	04-Aug-23	16:53	0.00642	0.00200	0.0146	0.00438	0.00209	0.00597
Mn [mg/L]	31-Aug-23	14:59	---	---	---	---	---	---
Mo [mg/L]	04-Aug-23	16:53	0.00029	0.00046	---	0.00016	0.00040	0.00014
Mo [mg/L]	31-Aug-23	14:59	---	---	0.00253	---	---	---
Na [mg/L]	04-Aug-23	16:53	0.33	0.13	0.12	0.37	0.30	0.21
Ni [mg/L]	04-Aug-23	16:53	0.0021	0.0011	0.0201	0.0010	0.0014	0.0002
Ni [mg/L]	31-Aug-23	14:59	---	---	---	---	---	---

OnLine LIMS

0003461844

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10204-JUL23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#13	6: CV5-WR-HCT-5 Wk#13	7: CV5-WR-HCT-5 (DUP) Wk#13	8: CV5-WR-HCT-1 4 Wk#13	9: CV5-WR-HCT-2 2 Wk#13	10: CV5-WR-HCT-3 3 Wk#13
Pb [mg/L]	04-Aug-23	16:53	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	18-Aug-23	13:33	0.0047	0.0853	0.0469	0.0114	0.0132	0.0037
Se [mg/L]	04-Aug-23	16:53	0.00021	0.00009	0.00007	0.00010	< 0.00004	0.00012
Sn [mg/L]	04-Aug-23	16:53	0.00014	< 0.00006	---	< 0.00006	< 0.00006	0.00018
Sn [mg/L]	31-Aug-23	14:59	---	---	0.00017	---	---	---
Sr [mg/L]	04-Aug-23	16:53	0.01233	0.00816	0.00599	0.00527	0.00490	0.00327
Ti [mg/L]	04-Aug-23	16:53	0.00020	0.00027	0.00015	0.00032	0.00046	0.00019
Tl [mg/L]	04-Aug-23	16:53	< 0.000005	< 0.000005	0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	04-Aug-23	16:53	0.000127	0.000053	0.000087	0.000085	0.000321	0.000179
V [mg/L]	04-Aug-23	16:53	0.00039	0.00074	0.00058	0.00319	0.00129	0.00093
W [mg/L]	04-Aug-23	16:53	0.00010	0.00015	0.00015	0.00004	0.00008	0.00010
Y [mg/L]	04-Aug-23	16:53	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	04-Aug-23	16:53	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-3 6 Wk#13	12: CV5-WR-HCT-3 9 Wk#13	13: CV5-WR-HCT-5 0 Wk#13	14: CV5-WR-HCT-5 6 Wk#13	15: CV5-WR-HCT-5 9 Wk#13	16: CV5-WR-HCT-6 2 Wk#13	17: CV5-WR-HCT-6 4 Wk#13	18: CV5-WR-HCT-6 9 Wk#13
Sample Date & Time	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23
HumCell Leachate Vol [mL]	953	952	1004	980	983	980	1001	998
pH [No unit]	7.35	6.61	7.31	7.31	6.70	7.42	7.10	7.43
Alkalinity [mg/L as CaCO3]	7	2	11	7	2	9	6	8
Conductivity [uS/cm]	24	23	50	18	17	30	14	15
Acidity [mg/L as CaCO3]	< 2	2	< 2	< 2	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.91	< 0.03	< 0.03	< 0.03	0.21	0.54	< 0.03	< 0.03
SO4 [mg/L]	2	7	10	4	4	3	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.005	0.028	0.079	0.044	0.008	0.002	0.032	0.065
As [mg/L]	2.70	0.0349	0.0235	0.0223	0.803	1.74	0.0212	0.0096
Ba [mg/L]	0.00079	0.00024	0.00043	0.00054	0.00021	0.00075	0.00011	0.00015
Be [mg/L]	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000016	0.000155
B [mg/L]	0.019	0.003	< 0.002	0.004	0.002	0.003	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00040
Ca [mg/L]	3.00	2.98	8.72	3.89	2.14	3.89	2.09	2.47
Cd [mg/L]	< 0.000003	0.000005	0.000020	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000211	0.000181	0.000933	0.000087	0.000667	0.000308	0.000021	0.000092
Cr [mg/L]	0.00058	0.00026	0.00010	0.00055	0.00008	---	< 0.00008	---
Cr [mg/L]	---	---	---	---	---	0.00011	---	< 0.00008
Cu [mg/L]	0.0011	---	0.0003	0.0032	< 0.0002	---	< 0.0002	0.0009
Cu [mg/L]	---	0.0003	---	---	---	0.0003	---	---
Fe [mg/L]	0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Fe [mg/L]	---	---	---	---	---	---	---	---
K [mg/L]	0.050	0.336	0.581	0.615	0.093	0.040	0.495	0.107
Li [mg/L]	0.0042	0.0171	0.0133	0.0080	0.0036	0.0006	0.0051	0.0040
Mg [mg/L]	0.615	0.401	0.303	0.402	0.503	0.875	0.109	0.072
Mn [mg/L]	---	0.00498	0.00668	0.0164	0.00147	0.00937	0.00571	0.00905
Mn [mg/L]	0.00395	---	---	---	---	---	---	---
Mo [mg/L]	---	0.00079	0.00064	0.00078	0.00162	0.00033	0.00012	0.00084
Mo [mg/L]	0.00464	---	---	---	---	---	---	---
Na [mg/L]	0.07	0.31	0.15	0.22	0.14	0.04	0.10	0.20
Ni [mg/L]	0.0142	---	0.0010	0.0212	0.0057	0.0139	0.0001	0.0015
Ni [mg/L]	---	0.0018	---	---	---	---	---	---

OnLine LMS

0003461844

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10204-JUL23**

Analysis	11: CV5-WR-HCT-36 Wk#13	12: CV5-WR-HCT-39 Wk#13	13: CV5-WR-HCT-50 Wk#13	14: CV5-WR-HCT-56 Wk#13	15: CV5-WR-HCT-59 Wk#13	16: CV5-WR-HCT-62 Wk#13	17: CV5-WR-HCT-64 Wk#13	18: CV5-WR-HCT-69 Wk#13
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00012
Sb [mg/L]	0.832	0.0274	0.0769	< 0.0009	0.0139	1.45	0.0037	0.0038
Se [mg/L]	0.00010	0.00006	0.00085	< 0.00004	< 0.00004	0.00016	< 0.00004	< 0.00004
Sn [mg/L]	0.00012	0.00007	< 0.00006	0.00012	< 0.00006	---	0.00008	0.00018
Sn [mg/L]	---	---	---	---	---	< 0.00006	---	---
Sr [mg/L]	0.00550	0.01099	0.00944	0.00574	0.01197	0.00395	0.00373	0.00543
Ti [mg/L]	< 0.00007	0.00017	0.00019	0.00010	0.00015	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000007	0.000026	< 0.000005	< 0.000005	< 0.000005	0.000066	0.000010
U [mg/L]	0.000040	0.000420	0.00236	0.00243	0.000187	0.000147	0.00247	0.00980
V [mg/L]	0.00033	0.00045	0.00030	0.00066	0.00074	0.00039	0.00003	0.00009
W [mg/L]	0.00017	0.00013	0.00008	0.00018	0.00050	0.00018	0.00012	0.00012
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.004	< 0.002	0.002	< 0.002	0.003	0.004

Analysis	19: CV5-ORE-HCT-74 Wk#13	20: CV5-ORE-HCT-76 Wk#13
Sample Date & Time	27-Jul-23	27-Jul-23
HumCell Leachate Vol [mL]	995	1011
pH [No unit]	6.97	7.24
Alkalinity [mg/L as CaCO3]	4	8
Conductivity [uS/cm]	9	18
Acidity [mg/L as CaCO3]	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.027	0.039
As [mg/L]	0.0222	0.0098
Ba [mg/L]	< 0.00008	0.00009
Be [mg/L]	< 0.000007	0.000032
B [mg/L]	< 0.002	0.003
Bi [mg/L]	< 0.00001	0.00010
Ca [mg/L]	1.21	2.73
Cd [mg/L]	0.000003	< 0.000003
Co [mg/L]	0.000029	0.000039
Cr [mg/L]	0.00018	0.00059
Cr [mg/L]	---	---
Cu [mg/L]	0.0016	0.0015
Cu [mg/L]	---	---
Fe [mg/L]	< 0.007	< 0.007
Fe [mg/L]	---	---
K [mg/L]	0.199	0.549
Li [mg/L]	0.0158	0.0126
Mg [mg/L]	0.031	0.140
Mn [mg/L]	0.0307	0.00465
Mn [mg/L]	---	---
Mo [mg/L]	0.00068	0.00035
Mo [mg/L]	---	---
Na [mg/L]	0.18	0.18
Ni [mg/L]	0.0017	0.0015
Ni [mg/L]	---	---

OnLine LMS

0003461844

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10204-JUL23**

Analysis	19: CV5-ORE-HCT-74 Wk#13	20: CV5-ORE-HCT-76 Wk#13
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0238	0.0030
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	0.00008	0.00009
Sn [mg/L]	---	---
Sr [mg/L]	0.00185	0.00739
Ti [mg/L]	< 0.00007	< 0.00007
Tl [mg/L]	0.000042	0.000033
U [mg/L]	0.00470	0.00432
V [mg/L]	0.00002	0.00008
W [mg/L]	0.00009	0.00021
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	0.005	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003461844

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-June-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 25 May 2023
LR Report: **CA10206-MAY23**
Reference: Wk#4

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#4	6: CV5-DMS-HCT-8 4 Wk#4
Sample Date & Time			25-May-23	25-May-23
HumCell Leachate Vol [mL]	29-May-23	16:20	997	973
pH [No unit]	31-May-23	12:01	6.66	6.95
Alkalinity [mg/L as CaCO3]	31-May-23	12:01	2	2
Conductivity [uS/cm]	31-May-23	12:01	5	4
Acidity [mg/L as CaCO3]	31-May-23	12:01	2	< 2
F [mg/L]	29-May-23	09:08	< 0.06	< 0.06
SO4 [mg/L]	31-May-23	13:35	< 2	< 2
Cl [mg/L]	31-May-23	13:35	< 1	< 1
NO2 [as N mg/L]	05-Jun-23	15:40	< 0.03	< 0.03
NO3 [as N mg/L]	05-Jun-23	15:40	< 0.06	< 0.06
Br [mg/L]	02-Jun-23	16:33	< 0.3	< 0.3
Tot.Reactive P [mg/L]	26-May-23	09:32	< 0.03	< 0.03
Hg [mg/L]	29-May-23	16:20	< 0.00001	< 0.00001
Ag [mg/L]	30-May-23	16:09	< 0.00005	< 0.00005
Al [mg/L]	30-May-23	16:09	0.033	0.042
As [mg/L]	30-May-23	16:09	0.0449	0.0188
Ba [mg/L]	30-May-23	16:09	0.00013	0.00011
Be [mg/L]	30-May-23	16:09	0.000013	0.000018
B [mg/L]	30-May-23	16:09	0.004	< 0.002
Bi [mg/L]	30-May-23	16:09	0.00004	0.00006
Ca [mg/L]	30-May-23	16:09	0.59	0.61
Cd [mg/L]	30-May-23	16:09	< 0.000003	0.000003
Co [mg/L]	30-May-23	16:09	0.000022	0.000020
Cr [mg/L]	30-May-23	16:09	< 0.00008	< 0.00008
Cu [mg/L]	30-May-23	16:09	0.0006	0.0010
Fe [mg/L]	30-May-23	16:09	< 0.007	< 0.007
K [mg/L]	30-May-23	16:09	0.352	0.359
Li [mg/L]	30-May-23	16:09	0.0103	0.0103
Mg [mg/L]	30-May-23	16:09	0.037	0.036

SGS OnLine LIMS

0003364216

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10206-MAY23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#4	6: CV5-DMS-HCT-8 4 Wk#4
Mn [mg/L]	30-May-23	16:09	0.00182	0.00176
Mo [mg/L]	30-May-23	16:09	0.00052	0.00017
Na [mg/L]	30-May-23	16:09	0.25	0.25
Ni [mg/L]	30-May-23	16:09	0.0002	0.0002
Pb [mg/L]	30-May-23	16:09	< 0.00009	< 0.00009
Sb [mg/L]	30-May-23	16:09	0.0062	0.0050
Se [mg/L]	30-May-23	16:09	< 0.00004	< 0.00004
Sn [mg/L]	30-May-23	16:09	0.00007	0.00009
Sr [mg/L]	30-May-23	16:09	0.00164	0.00164
Ti [mg/L]	30-May-23	16:09	< 0.00005	0.00006
Tl [mg/L]	30-May-23	16:09	0.000024	0.000022
U [mg/L]	30-May-23	16:09	0.00588	0.00604
V [mg/L]	30-May-23	16:09	0.00006	0.00006
W [mg/L]	30-May-23	16:09	0.00028	0.00029
Y [mg/L]	30-May-23	16:09	< 0.00002	< 0.00002
Zn [mg/L]	30-May-23	16:09	0.003	< 0.002
Au (tot) [mg/L]	13-Jun-23	09:28	0.00001	< 0.00001
Ce (tot) [mg/L]	30-May-23	16:09	0.00002	0.00002
Cs (tot) [mg/L]	30-May-23	16:09	0.0022	0.0021
Dy (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Er (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Eu (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Ga (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	0.0001
Gd (tot) [mg/L]	09-Jun-23	14:42	< 0.00001	< 0.00001
Ge (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
Hf (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
Ho (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
In (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Ir (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
La (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Lu (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Nb (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
Nd (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Os (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
Pd (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
Pr (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Pt (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
Rb (tot) [mg/L]	30-May-23	16:09	0.0164	0.0173
Re (tot) [mg/L]	30-May-23	16:09	< 0.0001	< 0.0001
Rh (tot) [mg/L]	30-May-23	16:09	< 0.00001	< 0.00001
Sc (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Sm (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Ta (tot) [mg/L]	13-Jun-23	09:29	< 0.0001	< 0.0001
Tb (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Te (tot) [mg/L]	30-May-23	16:12	< 0.0001	< 0.0001

SGS LIMS OnLine

0003364216

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10206-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#4	6: CV5-DMS-HCT-8 4 Wk#4
Th (tot) [mg/L]	30-May-23	16:12	< 0.0001	< 0.0001
Tm (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001
Yb (tot) [mg/L]	09-Jun-23	14:42	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-June-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 25 May 2023
LR Report: **CA10207-MAY23**
Reference: Wk#4

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#4	6: CV5-WR-HCT-5 Wk#4	7: CV5-WR-HCT-5 (DUP) Wk#4	8: CV5-WR-HCT-14 Wk#4	9: CV5-WR-HCT-22 Wk#4
Sample Date & Time			25-May-23	25-May-23	25-May-23	25-May-23	25-May-23
HumCell Leachate Vol [mL]	29-May-23	16:20	962	922	971	997	974
pH [No unit]	31-May-23	12:01	7.04	7.35	7.36	8.51	7.18
Alkalinity [mg/L as CaCO3]	31-May-23	12:01	4	7	7	21	6
Conductivity [uS/cm]	31-May-23	12:01	40	38	31	46	20
Acidity [mg/L as CaCO3]	31-May-23	12:01	3	< 2	< 2	< 2	< 2
F [mg/L]	29-May-23	11:08	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	31-May-23	13:37	11	10	7	4	3
Cl [mg/L]	31-May-23	13:37	1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	05-Jun-23	15:40	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	05-Jun-23	15:40	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	05-Jun-23	14:22	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	26-May-23	14:58	< 0.03	0.14	0.12	0.07	0.11
Hg [mg/L]	29-May-23	16:20	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	30-May-23	16:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	30-May-23	16:17	0.033	0.020	0.029	0.098	0.024
As [mg/L]	30-May-23	16:17	0.0052	0.582	0.383	0.111	0.343
Ba [mg/L]	30-May-23	16:17	0.00043	0.00049	0.00045	0.00026	0.00015
Be [mg/L]	30-May-23	16:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	30-May-23	16:17	0.019	0.020	0.018	0.012	0.013
Bi [mg/L]	30-May-23	16:17	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	30-May-23	16:17	4.04	4.32	3.94	6.79	2.39
Cd [mg/L]	30-May-23	16:17	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	30-May-23	16:17	0.000080	0.000201	0.000217	0.000061	0.000114
Cr [mg/L]	30-May-23	16:17	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	30-May-23	16:17	0.0003	0.0005	0.0003	0.0004	0.0003
Fe [mg/L]	30-May-23	16:17	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	30-May-23	16:17	0.945	0.541	0.438	0.176	0.182
Li [mg/L]	30-May-23	16:17	0.0432	0.109	0.0806	0.0103	0.0189
Mg [mg/L]	30-May-23	16:17	0.780	0.846	0.619	0.618	0.330

OnLine SMS
0003364226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10207-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#4	6: CV5-WR-HCT-5 Wk#4	7: CV5-WR-HCT-5 (DUP) Wk#4	8: CV5-WR-HCT-14 Wk#4	9: CV5-WR-HCT-22 Wk#4
Mn [mg/L]	30-May-23	16:17	0.00228	0.00365	0.00448	0.00412	0.00081
Mo [mg/L]	30-May-23	16:17	0.00041	0.00025	0.00016	0.00034	0.00046
Na [mg/L]	30-May-23	16:17	2.24	1.29	1.01	2.17	1.38
Ni [mg/L]	30-May-23	16:17	0.0005	0.0028	0.0023	0.0006	0.0007
Pb [mg/L]	30-May-23	16:17	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	01-Jun-23	12:54	0.0079	0.173	0.118	0.0329	0.0260
Se [mg/L]	30-May-23	16:17	0.00035	0.00019	0.00014	0.00030	0.00008
Sn [mg/L]	30-May-23	16:17	0.00008	0.00012	0.00006	0.00009	< 0.00006
Sr [mg/L]	30-May-23	16:17	0.02196	0.0192	0.0162	0.0120	0.00946
Ti [mg/L]	30-May-23	16:17	0.00028	0.00023	0.00039	0.00022	0.00030
Tl [mg/L]	30-May-23	16:17	< 0.000005	0.000008	0.000008	0.000009	0.000008
U [mg/L]	30-May-23	16:17	0.000182	0.00391	0.000156	0.00370	0.000354
V [mg/L]	30-May-23	16:17	0.00047	0.00112	0.00104	0.00606	0.00201
W [mg/L]	30-May-23	16:17	0.00045	0.00082	0.00152	0.00019	0.00033
Y [mg/L]	30-May-23	16:17	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	30-May-23	16:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	13-Jun-23	09:29	0.00007	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	30-May-23	16:17	0.00001	0.00001	0.00001	< 0.00001	0.00003
Cs (tot) [mg/L]	30-May-23	16:17	0.0129	0.0249	0.0237	0.0039	0.0086
Dy (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001
Gd (tot) [mg/L]	09-Jun-23	14:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	30-May-23	16:17	0.0001	0.0001	< 0.0001	0.0001	< 0.0001
Hf (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	30-May-23	16:17	0.0105	0.0113	0.0099	0.0012	0.0034
Re (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	30-May-23	16:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	13-Jun-23	09:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0003364226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10207-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#4	6: CV5-WR-HCT-5 Wk#4	7: CV5-WR-HCT-5 (DUP) Wk#4	8: CV5-WR-HCT-14 Wk#4	9: CV5-WR-HCT-22 Wk#4
Th (tot) [mg/L]	30-May-23	16:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	09-Jun-23	14:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	10: CV5-WR-HCT-33 Wk#4	11: CV5-WR-HCT-36 Wk#4	12: CV5-WR-HCT-39 Wk#4	13: CV5-WR-HCT-50 Wk#4	14: CV5-WR-HCT-56 Wk#4	15: CV5-WR-HCT-59 Wk#4	16: CV5-WR-HCT-62 Wk#4
Sample Date & Time	25-May-23	25-May-23	25-May-23	25-May-23	25-May-23	25-May-23	25-May-23
HumCell Leachate Vol [mL]	998	992	972	1001	966	996	1001
pH [No unit]	7.61	7.74	7.02	7.46	7.27	6.80	7.64
Alkalinity [mg/L as CaCO3]	10	17	4	15	11	4	14
Conductivity [uS/cm]	22	47	34	59	31	25	37
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	4	< 2
F [mg/L]	< 0.06	< 0.06	0.19	0.31	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	< 2	3	11	15	< 2	5	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	< 0.03	3.07	< 0.03	< 0.03	0.04	0.19	1.30
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.061	0.003	0.038	0.072	0.046	0.007	0.001
As [mg/L]	0.0054	10.6	0.0538	0.0289	0.0145	0.836	4.82
Ba [mg/L]	0.00025	0.00191	0.00046	0.00098	0.00070	0.00037	0.00189
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.009	0.058	0.012	0.009	0.012	0.008	0.013
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	3.41	5.54	4.07	9.84	3.93	2.66	4.38
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000012	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000041	0.000479	0.000204	0.00132	0.000046	0.000470	0.000270
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	0.0006	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K [mg/L]	0.310	0.204	0.940	2.09	1.41	0.265	0.207
Li [mg/L]	0.0173	0.0146	0.0507	0.0464	0.0204	0.0065	0.0014
Mg [mg/L]	0.292	2.45	0.619	0.832	0.340	0.769	1.81
Mn [mg/L]	0.00907	0.00432	0.00301	0.0105	0.0168	0.00157	0.00445
Mo [mg/L]	0.00015	0.00008	0.00164	0.00209	0.00028	0.00047	0.00065
Na [mg/L]	1.20	0.54	1.66	0.54	0.91	0.71	0.83
Ni [mg/L]	0.0002	0.0860	0.0008	0.0021	0.0002	0.0051	0.0498
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0083	1.72	0.0545	0.201	< 0.0009	0.0162	2.89
Se [mg/L]	0.00009	0.00014	0.00020	0.00128	0.00006	0.00009	0.00023

OnLine LIMS

0003364226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10207-MAY23**

Analysis	10: CV5-WR-HCT-33 Wk#4	11: CV5-WR-HCT-36 Wk#4	12: CV5-WR-HCT-39 Wk#4	13: CV5-WR-HCT-50 Wk#4	14: CV5-WR-HCT-56 Wk#4	15: CV5-WR-HCT-59 Wk#4	16: CV5-WR-HCT-62 Wk#4
Sn [mg/L]	0.00011	0.00010	0.00016	0.00011	0.00007	< 0.00006	0.00007
Sr [mg/L]	0.00513	0.0161	0.0172	0.0161	0.00588	0.0190	0.00647
Ti [mg/L]	0.00034	0.00007	0.00016	0.00016	0.00042	0.00010	< 0.00005
Tl [mg/L]	0.000005	0.000010	0.000011	0.000035	< 0.000005	0.000008	< 0.000005
U [mg/L]	0.00171	0.000270	0.000512	0.00244	0.000540	0.00185	0.000134
V [mg/L]	0.00181	0.00105	0.00066	0.00033	0.00109	0.00104	0.00064
W [mg/L]	0.00086	0.00058	0.00041	0.00020	0.00147	0.00231	0.00067
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	0.00001	< 0.00001	0.00002	< 0.00001	0.00002	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0100	0.0307	0.0069	0.106	0.0264	0.0187	0.0070
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	0.0001	0.0001	< 0.0001	< 0.0001	0.0001	0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0021	0.0062	0.0071	0.0493	0.0040	0.0071	0.0035
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0003364226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10207-MAY23**

Analysis	17: CV5-WR-HCT-64 Wk#4	18: CV5-WR-HCT-69 Wk#4	19: CV5-ORE-HCT-74 Wk#4	20: CV5-ORE-HCT-76 Wk#4
Sample Date & Time	25-May-23	25-May-23	25-May-23	25-May-23
HumCell Leachate Vol [mL]	1001	996	1006	968
pH [No unit]	7.31	7.66	7.19	7.52
Alkalinity [mg/L as CaCO3]	10	13	7	16
Conductivity [uS/cm]	19	27	14	32
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	0.06
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	0.04	0.03	0.12	0.06
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.034	0.125	0.044	0.067
As [mg/L]	0.113	0.0588	0.119	0.0471
Ba [mg/L]	0.00033	0.00028	0.00015	0.00026
Be [mg/L]	0.000018	0.000250	0.000012	0.000091
B [mg/L]	0.013	0.012	0.009	0.016
Bi [mg/L]	< 0.00001	0.00059	< 0.00001	0.00016
Ca [mg/L]	2.53	4.71	1.31	4.27
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000049	0.000034	0.000042	0.000030
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0003	0.0009	0.0003	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	1.95	0.498	0.863	1.91
Li [mg/L]	0.0368	0.0171	0.0846	0.0586
Mg [mg/L]	0.209	0.210	0.048	0.270
Mn [mg/L]	0.00493	0.00357	0.0219	0.00397
Mo [mg/L]	0.00045	0.00020	0.00025	0.00017
Na [mg/L]	0.93	1.15	1.20	1.43
Ni [mg/L]	0.0003	0.0002	0.0002	0.0006
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0126	0.0123	0.0494	0.0069
Se [mg/L]	0.00004	0.00023	< 0.00004	0.00005
Sn [mg/L]	0.00008	0.00023	0.00026	0.00012
Sr [mg/L]	0.00638	0.0126	0.00290	0.0136
Ti [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000145	0.000021	0.000101	0.000074
U [mg/L]	0.0102	0.0273	0.0152	0.00609
V [mg/L]	0.00009	0.00037	0.00005	0.00025
W [mg/L]	0.00087	0.00103	0.00040	0.00088
Y [mg/L]	< 0.00002	0.00002	< 0.00002	< 0.00002

OnLine LMS

0003364226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10207-MAY23**

Analysis	17: CV5-WR-HCT-64 Wk#4	18: CV5-WR-HCT-69 Wk#4	19: CV5-ORE-HCT-74 Wk#4	20: CV5-ORE-HCT-76 Wk#4
Zn [mg/L]	0.003	< 0.002	0.003	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	0.00002
Cs (tot) [mg/L]	0.0312	0.0067	0.0420	0.0232
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0003	0.0008	0.0005	0.0005
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	0.0002	0.0001	< 0.0001	0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	0.0002	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0895	0.0178	0.0745	0.0418
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003364226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

07-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 24 August 2023
LR Report: **CA10212-AUG23**
Reference: Wk#17

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#17	6: CV5-WR-HCT-5 Wk#17	7: CV5-WR-HCT-5 (DUP) Wk#17	8: CV5-WR-HCT-14 Wk#17
Sample Date & Time			24-Aug-23	24-Aug-23	24-Aug-23	24-Aug-23
HumCell Leachate Vol [mL]	25-Aug-23	16:31	917	909	921	1002
pH [No unit]	28-Aug-23	13:52	6.85	7.14	7.02	7.89
Alkalinity [mg/L as CaCO3]	29-Aug-23	12:40	3	4	4	13
Conductivity [uS/cm]	30-Aug-23	14:38	29	23	18	34
Acidity [mg/L as CaCO3]	29-Aug-23	12:40	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	28-Aug-23	11:09	< 0.03	0.06	0.06	< 0.03
SO4 [mg/L]	01-Sep-23	14:00	7	4	3	< 2
Ag [mg/L]	31-Aug-23	15:09	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	31-Aug-23	15:09	0.033	0.021	0.027	0.117
As [mg/L]	31-Aug-23	15:09	0.0049	0.357	0.250	0.0593
Ba [mg/L]	31-Aug-23	15:09	0.00030	0.00027	0.00025	0.00013
Be [mg/L]	31-Aug-23	15:09	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	31-Aug-23	15:09	0.005	0.003	0.003	< 0.002
Bi [mg/L]	31-Aug-23	15:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	31-Aug-23	15:09	3.56	3.34	2.58	6.10
Cd [mg/L]	31-Aug-23	15:09	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	31-Aug-23	15:09	0.000122	0.000163	0.000175	0.000054
Cr [mg/L]	31-Aug-23	15:09	< 0.00008	0.00010	< 0.00008	< 0.00008
Cu [mg/L]	31-Aug-23	15:09	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	31-Aug-23	15:09	< 0.007	< 0.007	0.009	0.010
K [mg/L]	31-Aug-23	15:09	0.394	0.196	0.165	0.063
Li [mg/L]	31-Aug-23	15:09	0.0164	0.0200	0.0167	0.0052
Mg [mg/L]	31-Aug-23	15:09	0.589	0.449	0.365	0.328
Mn [mg/L]	31-Aug-23	15:09	0.00146	0.00208	0.00339	0.00520
Mo [mg/L]	31-Aug-23	15:09	0.00025	0.00020	0.00008	0.00034
Na [mg/L]	31-Aug-23	15:09	0.31	0.11	0.10	0.32
Ni [mg/L]	31-Aug-23	15:09	0.0004	0.0010	0.0009	< 0.0001

OnLine LMS

0003458914

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10212-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#17	6: CV5-WR-HCT-5 Wk#17	7: CV5-WR-HCT-5 (DUP) Wk#17	8: CV5-WR-HCT-14 Wk#17
Pb [mg/L]	31-Aug-23	15:09	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	31-Aug-23	15:09	0.0049	0.0818	0.0493	0.0099
Se [mg/L]	31-Aug-23	15:09	0.00025	0.00013	0.00010	0.00013
Sn [mg/L]	31-Aug-23	15:09	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	31-Aug-23	15:09	0.0140	0.00958	0.00785	0.00606
Ti [mg/L]	31-Aug-23	15:09	0.00019	0.00016	0.00017	0.00043
Tl [mg/L]	31-Aug-23	15:09	< 0.000005	0.000006	0.000008	< 0.000005
U [mg/L]	31-Aug-23	15:09	0.00345	0.000229	0.000097	0.000224
V [mg/L]	31-Aug-23	15:09	0.00040	0.00079	0.00066	0.00355
W [mg/L]	31-Aug-23	15:09	0.00011	0.00025	0.00017	0.00005
Y [mg/L]	31-Aug-23	15:09	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	31-Aug-23	15:09	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#17	10: CV5-WR-HCT-33 Wk#17	11: CV5-WR-HCT-36 Wk#17	12: CV5-WR-HCT-39 Wk#17	13: CV5-WR-HCT-50 Wk#17	14: CV5-WR-HCT-56 Wk#17
Sample Date & Time	24-Aug-23	24-Aug-23	24-Aug-23	24-Aug-23	24-Aug-23	24-Aug-23
HumCell Leachate Vol [mL]	960	995	984	925	962	961
pH [No unit]	7.02	7.24	7.36	6.75	7.12	7.46
Alkalinity [mg/L as CaCO3]	4	7	7	2	6	9
Conductivity [uS/cm]	12	18	23	23	43	26
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	4	< 2
Tot.Reactive P [mg/L]	0.05	< 0.03	0.95	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	6	8	4
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.027	0.070	0.003	0.040	0.038	0.038
As [mg/L]	0.286	0.0055	2.75	0.0366	0.0128	0.0220
Ba [mg/L]	0.00009	0.00021	0.00098	0.00034	0.00034	0.00051
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.003	< 0.002	0.015	0.003	< 0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.72	3.23	3.32	3.02	6.88	4.09
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000007	0.000022	< 0.000003
Co [mg/L]	0.000123	0.000043	0.000263	0.000155	0.00110	0.000059
Cr [mg/L]	0.00010	< 0.00008	< 0.00008	0.00009	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0004	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.009	< 0.007	< 0.007	0.008	< 0.007	< 0.007
K [mg/L]	0.084	0.100	0.070	0.332	0.289	0.551
Li [mg/L]	0.0115	0.0065	0.0044	0.0180	0.0089	0.0078
Mg [mg/L]	0.307	0.190	0.845	0.445	0.192	0.493
Mn [mg/L]	0.00050	0.00753	0.00186	0.00200	0.00576	0.0136

OnLine LMS

0003458914

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10212-AUG23**

Analysis	9: CV5-WR-HCT-22 Wk#17	10: CV5-WR-HCT-33 Wk#17	11: CV5-WR-HCT-36 Wk#17	12: CV5-WR-HCT-39 Wk#17	13: CV5-WR-HCT-50 Wk#17	14: CV5-WR-HCT-56 Wk#17
Mo [mg/L]	0.00034	0.00133	0.00021	0.00024	0.00071	0.00022
Na [mg/L]	0.25	0.18	0.03	0.24	0.08	0.13
Ni [mg/L]	0.0003	< 0.0001	0.0127	0.0003	0.0008	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00011	< 0.00009	< 0.00009
Sb [mg/L]	0.0134	0.0032	0.826	0.0235	0.0824	< 0.0009
Se [mg/L]	0.00007	0.00014	0.00009	0.00013	0.00084	0.00007
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00651	0.00361	0.00565	0.0110	0.00638	0.00582
Ti [mg/L]	0.00021	0.00028	0.00009	0.00048	0.00016	0.00018
Tl [mg/L]	0.000006	< 0.000005	0.000006	0.000007	0.000018	< 0.000005
U [mg/L]	0.000199	0.000120	0.000042	0.000384	0.00290	0.000892
V [mg/L]	0.00170	0.00098	0.00035	0.00048	0.00015	0.00069
W [mg/L]	0.00007	0.00016	0.00016	0.00009	0.00006	0.00027
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.005	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#17	16: CV5-WR-HCT-62 Wk#17	17: CV5-WR-HCT-64 Wk#17	18: CV5-WR-HCT-69 Wk#17	19: CV5-ORE-HCT-74 Wk#17	20: CV5-ORE-HCT-76 Wk#17
Sample Date & Time	24-Aug-23	24-Aug-23	24-Aug-23	24-Aug-23	24-Aug-23	24-Aug-23
HumCell Leachate Vol [mL]	968	943	981	997	998	935
pH [No unit]	6.86	7.35	7.14	7.39	6.89	7.28
Alkalinity [mg/L as CaCO3]	3	8	6	7	3	6
Conductivity [uS/cm]	14	25	13	17	7	15
Acidity [mg/L as CaCO3]	2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.21	0.37	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.009	0.002	0.031	0.105	0.032	0.058
As [mg/L]	0.750	1.25	0.0183	0.0104	0.0201	0.0062
Ba [mg/L]	0.00019	0.00077	0.00012	0.00022	0.00011	0.00011
Be [mg/L]	0.000013	< 0.000007	< 0.000007	0.000135	< 0.000007	0.000100
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00039	< 0.00001	0.00015
Ca [mg/L]	1.85	3.61	2.22	3.18	1.21	2.44
Cd [mg/L]	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000469	0.000293	0.000025	0.000016	0.000011	0.000017
Cr [mg/L]	0.00019	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0003	< 0.0002	0.0002
Fe [mg/L]	0.009	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.095	0.048	0.454	0.141	0.194	0.528

OnLine LMS

0003458914

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10212-AUG23**

Analysis	15: CV5-WR-HCT-59 Wk#17	16: CV5-WR-HCT-62 Wk#17	17: CV5-WR-HCT-64 Wk#17	18: CV5-WR-HCT-69 Wk#17	19: CV5-ORE-HCT-74 Wk#17	20: CV5-ORE-HCT-76 Wk#17
Li [mg/L]	0.0035	0.0007	0.0049	0.0042	0.0145	0.0129
Mg [mg/L]	0.478	0.861	0.127	0.080	0.028	0.136
Mn [mg/L]	0.00150	0.00324	0.00480	0.00355	0.0395	0.00219
Mo [mg/L]	0.00020	0.00024	0.00009	0.00006	0.00014	0.00267
Na [mg/L]	0.08	0.01	0.08	0.23	0.15	0.16
Ni [mg/L]	0.0032	0.0095	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	0.00014	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0119	1.07	0.0034	0.0035	0.0220	0.0020
Se [mg/L]	0.00009	0.00011	0.00004	0.00008	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006	0.00008
Sr [mg/L]	0.00973	0.00339	0.00391	0.00661	0.00184	0.00616
Ti [mg/L]	0.00030	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000057	0.000010	0.000038	0.000036
U [mg/L]	0.000500	0.00511	0.00286	0.00792	0.00298	0.00260
V [mg/L]	0.00074	0.00033	0.00004	0.00014	0.00003	0.00008
W [mg/L]	0.00045	0.00015	0.00012	0.00012	0.00007	0.00016
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

08-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 24 August 2023
LR Report: **CA10213-AUG23**
Reference: Wk#17

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#17	6: CV5-DMS-HCT-84 Wk#17
Sample Date & Time			24-Aug-23	24-Aug-23
HumCell Leachate Vol [mL]	25-Aug-23	16:31	970	938
pH [No unit]	25-Aug-23	15:12	6.42	6.39
Alkalinity [mg/L as CaCO3]	25-Aug-23	15:12	< 2	< 2
Conductivity [uS/cm]	25-Aug-23	15:12	3	3
Acidity [mg/L as CaCO3]	25-Aug-23	15:12	2	2
F [mg/L]	***	***	***	***
Tot.Reactive P [mg/L]	28-Aug-23	11:09	< 0.03	< 0.03
SO4 [mg/L]	01-Sep-23	14:00	< 2	< 2
Ag [mg/L]	08-Sep-23	10:43	< 0.00005	< 0.00005
Al [mg/L]	08-Sep-23	10:43	0.025	0.024
As [mg/L]	08-Sep-23	10:43	0.0094	0.0059
Ba [mg/L]	08-Sep-23	10:43	< 0.00008	0.00012
Be [mg/L]	08-Sep-23	10:43	0.000015	0.000010
B [mg/L]	08-Sep-23	10:43	< 0.002	< 0.002
Bi [mg/L]	08-Sep-23	10:43	0.00003	0.00004
Ca [mg/L]	08-Sep-23	10:43	0.43	0.42
Cd [mg/L]	08-Sep-23	10:43	< 0.000003	< 0.000003
Co [mg/L]	08-Sep-23	10:43	0.000006	0.000007
Cr [mg/L]	08-Sep-23	10:43	< 0.00008	< 0.00008
Cu [mg/L]	08-Sep-23	10:43	< 0.0002	< 0.0002
Fe [mg/L]	08-Sep-23	10:43	< 0.007	< 0.007
K [mg/L]	08-Sep-23	10:43	0.126	0.127
Li [mg/L]	08-Sep-23	10:43	0.0013	0.0013
Mg [mg/L]	08-Sep-23	10:43	0.020	0.022
Mn [mg/L]	08-Sep-23	10:43	0.00147	0.00215
Mo [mg/L]	08-Sep-23	10:43	0.00035	0.00039
Na [mg/L]	08-Sep-23	10:43	0.04	0.05
Ni [mg/L]	08-Sep-23	10:43	< 0.0001	< 0.0001
Pb [mg/L]	08-Sep-23	10:43	< 0.00009	< 0.00009
Sb [mg/L]	08-Sep-23	10:43	0.0024	0.0022
Se [mg/L]	08-Sep-23	10:43	< 0.00004	< 0.00004
Sn [mg/L]	08-Sep-23	10:43	< 0.00006	< 0.00006
Sr [mg/L]	08-Sep-23	10:43	0.00106	0.00111

OnLine LNM1

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10213-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#17	6: CV5-DMS-HCT-84 Wk#17
Ti [mg/L]	08-Sep-23	10:43	< 0.00007	< 0.00007
Tl [mg/L]	08-Sep-23	10:43	0.000015	0.000012
U [mg/L]	08-Sep-23	10:43	0.00152	0.00178
V [mg/L]	08-Sep-23	10:43	0.00002	0.00004
W [mg/L]	08-Sep-23	10:43	0.00003	0.00003
Y [mg/L]	08-Sep-23	10:43	< 0.00002	< 0.00002
Zn [mg/L]	08-Sep-23	10:43	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003459712

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

23-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 26 October 2023
LR Report: **CA10220-OCT23**
Reference: Wk#26

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#26	6: CV5-DMS-HC T-84 Wk#26
Sample Date & Time			26-Oct-23	26-Oct-23
HumCell Leachate Vol [mL]	01-Nov-23	10:05	1001	991
pH [No unit]	13-Nov-23	11:22	6.74	6.51
Alkalinity [mg/L as CaCO3]	09-Nov-23	09:59	< 2	< 2
Conductivity [uS/cm]	09-Nov-23	09:59	3	2
Acidity [mg/L as CaCO3]	09-Nov-23	09:59	2	2
Tot.Reactive P [mg/L]	30-Oct-23	09:25	< 0.03	< 0.03
SO4 [mg/L]	17-Nov-23	11:27	< 2	< 2
Ag [mg/L]	03-Nov-23	12:34	< 0.00005	< 0.00005
Al [mg/L]	03-Nov-23	12:34	0.016	0.014
As [mg/L]	03-Nov-23	12:34	0.0056	0.0040
Ba [mg/L]	22-Nov-23	16:16	< 0.00008	< 0.00008
Be [mg/L]	03-Nov-23	12:34	0.000010	0.000013
B [mg/L]	03-Nov-23	12:34	< 0.002	< 0.002
Bi [mg/L]	03-Nov-23	12:34	0.00001	0.00002
Ca [mg/L]	03-Nov-23	12:34	0.39	0.46
Cd [mg/L]	03-Nov-23	12:34	< 0.000003	< 0.000003
Co [mg/L]	03-Nov-23	12:34	0.000013	0.000031
Cr [mg/L]	03-Nov-23	12:34	< 0.00008	< 0.00008
Cu [mg/L]	03-Nov-23	12:34	< 0.0002	< 0.0002
Fe [mg/L]	06-Nov-23	12:37	0.009	< 0.007
K [mg/L]	03-Nov-23	12:34	0.102	0.113
Li [mg/L]	03-Nov-23	12:34	0.0006	0.0006
Mg [mg/L]	03-Nov-23	12:34	0.019	0.037
Mn [mg/L]	06-Nov-23	12:37	0.00117	0.00211
Mo [mg/L]	03-Nov-23	12:34	0.00025	0.00013
Na [mg/L]	22-Nov-23	16:16	0.04	0.04
Ni [mg/L]	03-Nov-23	12:34	< 0.0001	< 0.0001

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10220-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#26	6: CV5-DMS-HC T-84 Wk#26
Pb [mg/L]	03-Nov-23	12:34	< 0.00009	< 0.00009
Sb [mg/L]	03-Nov-23	12:34	0.0018	0.0016
Se [mg/L]	22-Nov-23	16:16	< 0.00004	< 0.00004
Sn [mg/L]	03-Nov-23	12:34	< 0.00006	< 0.00006
Sr [mg/L]	03-Nov-23	12:34	0.00107	0.00167
Ti [mg/L]	03-Nov-23	12:34	< 0.00007	< 0.00007
Tl [mg/L]	03-Nov-23	12:34	0.000011	0.000012
U [mg/L]	03-Nov-23	12:34	0.00191	0.00124
V [mg/L]	03-Nov-23	12:34	< 0.00001	< 0.00001
W [mg/L]	03-Nov-23	12:34	< 0.00002	0.00003
Y [mg/L]	03-Nov-23	12:34	< 0.00002	0.00002
Zn [mg/L]	03-Nov-23	12:34	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003541797

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

04-December-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 26 October 2023
LR Report: **CA10221-OCT23**
Reference: Wk#26

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#26	6: CV5-WR-HCT-5 Wk#26	7: CV5-WR-HCT-5 (DUP) Wk#26	8: CV5-WR-HCT-14 Wk#26
Sample Date & Time			26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23
HumCell Leachate Vol [mL]	01-Nov-23	10:06	943	909	962	995
pH [No unit]	09-Nov-23	09:57	6.60	6.72	6.72	7.45
Alkalinity [mg/L as CaCO3]	09-Nov-23	09:57	2	3	2	12
Conductivity [uS/cm]	09-Nov-23	09:57	27	17	14	27
Acidity [mg/L as CaCO3]	09-Nov-23	09:57	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	03-Nov-23	08:01	< 0.03	0.09	< 0.03	< 0.03
SO4 [mg/L]	17-Nov-23	11:27	8	4	3	< 2
Ag [mg/L]	03-Nov-23	12:36	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	03-Nov-23	12:36	0.025	0.023	0.024	0.081
As [mg/L]	22-Nov-23	10:56	0.0041	0.207	0.153	0.0377
Ba [mg/L]	03-Nov-23	12:36	0.00020	0.00019	0.00016	0.00024
Be [mg/L]	03-Nov-23	12:36	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	03-Nov-23	12:36	0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	03-Nov-23	12:36	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	03-Nov-23	12:36	3.64	2.80	2.17	5.15
Cd [mg/L]	03-Nov-23	12:36	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	03-Nov-23	12:36	0.000082	0.000151	0.000160	0.000044
Cr [mg/L]	03-Nov-23	12:36	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	03-Nov-23	12:36	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	03-Nov-23	12:36	< 0.007	< 0.007	< 0.007	0.008
K [mg/L]	03-Nov-23	12:36	0.265	0.135	0.106	0.058
Li [mg/L]	03-Nov-23	12:36	0.0089	0.0094	0.0081	0.0037
Mg [mg/L]	03-Nov-23	12:36	0.388	0.235	0.199	0.225
Mn [mg/L]	03-Nov-23	12:36	0.00114	0.00145	0.00142	0.00558
Mo [mg/L]	03-Nov-23	12:36	0.00013	0.00009	0.00005	0.00038
Na [mg/L]	03-Nov-23	12:36	0.20	0.11	0.10	0.27
Ni [mg/L]	03-Nov-23	12:36	0.0003	0.0011	0.0007	0.0001

OnLine LIMS

0003552854

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10221-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#26	6: CV5-WR-HCT-5 Wk#26	7: CV5-WR-HCT-5 (DUP) Wk#26	8: CV5-WR-HCT-14 Wk#26
Pb [mg/L]	03-Nov-23	12:36	0.00042	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	22-Nov-23	10:57	0.0030	0.0407	0.0268	0.0052
Se [mg/L]	03-Nov-23	12:36	0.00022	0.00008	0.00008	0.00017
Sn [mg/L]	03-Nov-23	12:36	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	03-Nov-23	12:36	0.0117	0.00628	0.00566	0.00462
Ti [mg/L]	03-Nov-23	12:36	0.00011	0.00011	0.00007	0.00016
Tl [mg/L]	03-Nov-23	12:36	< 0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	22-Nov-23	10:57	0.000918	0.000527	0.000042	0.000237
V [mg/L]	03-Nov-23	12:36	0.00030	0.00048	0.00044	0.00233
W [mg/L]	03-Nov-23	12:36	0.00005	0.00006	0.00006	0.00003
Y [mg/L]	03-Nov-23	12:36	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	03-Nov-23	12:36	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#26	10: CV5-WR-HCT-33 Wk#26	11: CV5-WR-HCT-36 Wk#26	12: CV5-WR-HCT-39 Wk#26	13: CV5-WR-HCT-50 Wk#26	14: CV5-WR-HCT-56 Wk#26	15: CV5-WR-HCT-59 Wk#26
Sample Date & Time	26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23
HumCell Leachate Vol [mL]	1008	961	977	969	1006	972	1008
pH [No unit]	6.77	7.22	7.20	6.47	6.44	7.10	6.77
Alkalinity [mg/L as CaCO3]	3	7	6	< 2	< 2	6	2
Conductivity [uS/cm]	9	15	18	18	21	26	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	6	< 2	3
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.42	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	< 2	5	5	5	3
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.023	0.063	0.005	0.022	0.009	0.036	0.005
As [mg/L]	0.150	0.0046	1.21	0.0238	0.0035	0.0168	0.341
Ba [mg/L]	0.00010	0.00019	0.00062	0.00023	0.00021	0.00048	0.00028
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000008	0.000008	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.45	2.81	2.70	2.49	3.62	4.36	1.40
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	0.000009	0.000021	< 0.000003	< 0.000003
Co [mg/L]	0.000140	0.000037	0.000243	0.000216	0.00104	0.000063	0.000488
Cr [mg/L]	< 0.00008	< 0.00008	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	0.009	0.011	< 0.007	< 0.007	0.007	0.007
K [mg/L]	0.058	0.077	0.073	0.233	0.129	0.316	0.070
Li [mg/L]	0.0055	0.0034	0.0020	0.0090	0.0051	0.0040	0.0019
Mg [mg/L]	0.197	0.117	0.512	0.324	0.079	0.328	0.301
Mn [mg/L]	0.00050	0.00884	0.00275	0.00214	0.00353	0.00786	0.00155

OnLine LIMS

0003552854

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10221-OCT23**

Analysis	9: CV5-WR-HCT-22 Wk#26	10: CV5-WR-HCT-33 Wk#26	11: CV5-WR-HCT-36 Wk#26	12: CV5-WR-HCT-39 Wk#26	13: CV5-WR-HCT-50 Wk#26	14: CV5-WR-HCT-56 Wk#26	15: CV5-WR-HCT-59 Wk#26
Mo [mg/L]	0.00035	0.00012	0.00012	0.00016	0.00014	0.00014	0.00208
Na [mg/L]	0.15	0.17	0.11	0.16	0.09	0.16	0.17
Ni [mg/L]	0.0004	< 0.0001	0.0081	0.0004	0.0008	0.0002	0.0044
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00023	< 0.00009	< 0.00009
Sb [mg/L]	0.0062	0.0015	0.413	0.0131	0.0135	< 0.0009	0.0057
Se [mg/L]	0.00007	0.00017	0.00010	0.00011	0.00040	0.00012	0.00011
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00477	0.00258	0.00351	0.00838	0.00335	0.00535	0.00701
Ti [mg/L]	0.00012	0.00017	< 0.00007	0.00018	0.00010	< 0.00007	< 0.00007
Tl [mg/L]	0.000005	0.000005	0.000006	0.000008	0.000010	< 0.000005	0.000005
U [mg/L]	0.000163	0.000340	0.00302	0.000484	0.00163	0.000451	0.000024
V [mg/L]	0.00111	0.00061	0.00016	0.00033	0.00004	0.00043	0.00039
W [mg/L]	0.00004	0.00005	0.00008	0.00004	< 0.00002	0.00007	0.00016
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.006	< 0.002	0.003

Analysis	16: CV5-WR-HCT-62 Wk#26	17: CV5-WR-HCT-64 Wk#26	18: CV5-WR-HCT-69 Wk#26	19: CV5-ORE-HCT-74 Wk#26	20: CV5-ORE-HCT-76 Wk#26
Sample Date & Time	26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23	26-Oct-23
HumCell Leachate Vol [mL]	970	1001	1007	1014	997
pH [No unit]	7.30	7.06	7.34	6.84	7.11
Alkalinity [mg/L as CaCO3]	8	7	9	3	8
Conductivity [uS/cm]	25	14	20	8	16
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	5	< 2
Tot.Reactive P [mg/L]	0.20	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	2	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.003	0.025	0.109	0.026	0.031
As [mg/L]	0.869	0.0097	0.0063	0.0123	0.0029
Ba [mg/L]	0.00052	0.00025	0.00017	0.00017	0.00026
Be [mg/L]	< 0.000007	0.000015	0.000083	0.000007	0.000057
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	0.00034	< 0.00001	0.00010
Ca [mg/L]	3.20	1.97	2.91	0.92	2.04
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003	0.000003
Co [mg/L]	0.000380	0.000018	0.000017	0.000013	0.000053
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.007
K [mg/L]	0.045	0.288	0.119	0.159	0.340

OnLine LIMS

0003552854

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10221-OCT23**

Analysis	16: CV5-WR-HCT-62 Wk#26	17: CV5-WR-HCT-64 Wk#26	18: CV5-WR-HCT-69 Wk#26	19: CV5-ORE-HCT-74 Wk#26	20: CV5-ORE-HCT-76 Wk#26
Li [mg/L]	0.0005	0.0023	0.0025	0.0075	0.0066
Mg [mg/L]	0.792	0.081	0.051	0.022	0.108
Mn [mg/L]	0.00265	0.00509	0.00279	0.0423	0.00198
Mo [mg/L]	0.00012	< 0.00004	0.00039	0.00025	0.00016
Na [mg/L]	0.09	0.18	0.20	0.20	0.23
Ni [mg/L]	0.0080	< 0.0001	< 0.0001	< 0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00012
Sb [mg/L]	0.633	0.0017	0.0020	0.0119	0.0011
Se [mg/L]	0.00014	0.00014	0.00010	0.00011	0.00011
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	0.00264	0.00329	0.00550	0.00152	0.00520
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000036	0.000009	0.000035	0.000043
U [mg/L]	0.000075	0.00108	0.00476	0.00128	0.00347
V [mg/L]	0.00022	< 0.00001	0.00009	< 0.00001	0.00001
W [mg/L]	0.00009	0.00006	0.00007	0.00005	0.00007
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003552854

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

01-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 28 September 2023
LR Report: **CA10222-SEP23**
Reference: Wk#22

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#22	6: CV5-DMS-HCT-84 Wk#22
Sample Date & Time			28-Sep-23	28-Sep-23
HumCell Leachate Vol [mL]	28-Sep-23	16:56	987	975
pH [No unit]	29-Sep-23	12:04	6.39	6.50
Alkalinity [mg/L as CaCO3]	29-Sep-23	12:04	< 2	< 2
Conductivity [uS/cm]	29-Sep-23	12:04	2	2
Acidity [mg/L as CaCO3]	02-Oct-23	12:58	2	2
Tot.Reactive P [mg/L]	02-Oct-23	09:34	0.04	< 0.03
SO4 [mg/L]	16-Oct-23	11:53	< 2	< 2
Ag [mg/L]	06-Oct-23	14:40	< 0.00005	< 0.00005
Al [mg/L]	06-Oct-23	14:40	0.018	0.017
As [mg/L]	06-Oct-23	14:40	0.0068	0.0057
Ba [mg/L]	06-Oct-23	14:40	< 0.00008	< 0.00008
Be [mg/L]	06-Oct-23	14:40	0.000008	0.000008
B [mg/L]	06-Oct-23	14:40	< 0.002	< 0.002
Bi [mg/L]	06-Oct-23	14:40	0.00003	0.00004
Ca [mg/L]	06-Oct-23	14:40	0.41	0.44
Cd [mg/L]	06-Oct-23	14:40	< 0.000003	---
Cd [mg/L]	30-Oct-23	16:23	---	0.000003
Co [mg/L]	06-Oct-23	14:40	0.000005	---
Co [mg/L]	30-Oct-23	16:23	---	0.000009
Cr [mg/L]	06-Oct-23	14:40	< 0.00008	< 0.00008
Cu [mg/L]	06-Oct-23	14:40	0.0003	0.0008
Fe [mg/L]	06-Oct-23	14:40	< 0.007	< 0.007
K [mg/L]	06-Oct-23	14:40	0.111	0.104
Li [mg/L]	06-Oct-23	14:40	0.0014	0.0014
Mg [mg/L]	06-Oct-23	14:40	0.019	---
Mg [mg/L]	30-Oct-23	16:23	---	0.022
Mn [mg/L]	06-Oct-23	14:40	0.00121	---
Mn [mg/L]	30-Oct-23	16:23	---	0.00218
Mo [mg/L]	06-Oct-23	14:40	0.00035	0.00016
Na [mg/L]	06-Oct-23	14:40	0.04	0.08
Ni [mg/L]	06-Oct-23	14:40	< 0.0001	0.0002
Pb [mg/L]	06-Oct-23	14:40	< 0.00009	0.00053
Pb [mg/L]	30-Oct-23	16:23	---	---

OnLine LIMS

0003519643

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10222-SEP23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#22	6: CV5-DMS-HCT-84 Wk#22
Sb [mg/L]	06-Oct-23	14:40	0.0020	0.0022
Se [mg/L]	06-Oct-23	14:40	< 0.00004	< 0.00004
Sn [mg/L]	06-Oct-23	14:40	< 0.00006	< 0.00006
Sr [mg/L]	06-Oct-23	14:40	0.00098	0.00120
Ti [mg/L]	06-Oct-23	14:40	< 0.00007	< 0.00007
Tl [mg/L]	06-Oct-23	14:40	0.000012	0.000012
U [mg/L]	06-Oct-23	14:40	0.00129	0.00167
V [mg/L]	06-Oct-23	14:40	0.00002	0.00002
W [mg/L]	06-Oct-23	14:40	0.00006	0.00004
Y [mg/L]	06-Oct-23	14:40	< 0.00002	< 0.00002
Zn [mg/L]	06-Oct-23	14:40	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003519643

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 28 September 2023
LR Report: **CA10223-SEP23**
Reference: Wk#22

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#22	6: CV5-WR-HCT-5 Wk#22	7: CV5-WR-HCT-5 (DUP) Wk#22	8: CV5-WR-HCT-14 Wk#22
Sample Date & Time			28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23
HumCell Leachate Vol [mL]	28-Sep-23	16:56	916	906	949	986
pH [No unit]	02-Oct-23	12:07	6.79	7.01	6.98	7.72
Alkalinity [mg/L as CaCO3]	02-Oct-23	12:59	2	4	3	15
Conductivity [uS/cm]	29-Sep-23	11:49	24	19	16	31
Acidity [mg/L as CaCO3]	02-Oct-23	12:59	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	05-Oct-23	10:54	< 0.03	0.07	0.03	0.56
SO4 [mg/L]	16-Oct-23	11:53	6	4	3	< 2
Ag [mg/L]	06-Oct-23	14:40	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	06-Oct-23	14:40	0.028	0.028	0.030	0.103
As [mg/L]	06-Oct-23	14:40	0.0051	0.271	0.186	0.0521
Ba [mg/L]	06-Oct-23	14:40	0.00019	0.00021	0.00018	0.00014
Be [mg/L]	06-Oct-23	14:40	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	06-Oct-23	14:40	0.003	0.002	< 0.002	< 0.002
Bi [mg/L]	06-Oct-23	14:40	0.00002	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	06-Oct-23	14:40	3.29	2.99	2.36	5.66
Cd [mg/L]	06-Oct-23	14:40	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	06-Oct-23	14:40	0.000079	0.000142	0.000182	0.000061
Cr [mg/L]	06-Oct-23	14:40	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	06-Oct-23	14:40	< 0.0002	0.0004	0.0007	0.0006
Fe [mg/L]	06-Oct-23	14:40	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	06-Oct-23	14:40	0.310	0.157	0.120	0.058
Li [mg/L]	13-Oct-23	14:40	0.0117	0.0126	0.0104	0.0052
Mg [mg/L]	06-Oct-23	14:41	0.425	0.313	0.256	0.292
Mn [mg/L]	06-Oct-23	14:41	0.00117	0.00176	0.00157	0.00525
Mo [mg/L]	06-Oct-23	14:41	0.00019	0.00036	0.00021	0.00019
Na [mg/L]	06-Oct-23	14:41	0.21	0.08	0.07	0.28
Ni [mg/L]	06-Oct-23	14:41	0.0002	0.0010	0.0007	0.0002

OnLine LMS

0003521073

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10223-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#22	6: CV5-WR-HCT-5 Wk#22	7: CV5-WR-HCT-5 (DUP) Wk#22	8: CV5-WR-HCT-14 Wk#22
Pb [mg/L]	06-Oct-23	14:41	< 0.00009	< 0.00009	< 0.00009	0.00011
Sb [mg/L]	13-Oct-23	14:40	0.0037	0.0571	0.0301	0.0071
Se [mg/L]	06-Oct-23	14:41	0.00019	0.00008	0.00005	0.00013
Sn [mg/L]	06-Oct-23	14:41	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	06-Oct-23	14:41	0.0117	0.00779	0.00673	0.00546
Ti [mg/L]	06-Oct-23	14:41	0.00013	0.00020	0.00017	0.00021
Tl [mg/L]	06-Oct-23	14:41	< 0.000005	0.000006	0.000010	< 0.000005
U [mg/L]	25-Oct-23	13:02	0.000115	0.000319	0.000890	0.000054
V [mg/L]	06-Oct-23	14:41	0.00037	0.00070	0.00055	0.00334
W [mg/L]	06-Oct-23	14:41	0.00009	0.00010	0.00010	0.00003
Y [mg/L]	06-Oct-23	14:41	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	06-Oct-23	14:41	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#22	10: CV5-WR-HCT-33 Wk#22	11: CV5-WR-HCT-36 Wk#22	12: CV5-WR-HCT-39 Wk#22	13: CV5-WR-HCT-50 Wk#22	14: CV5-WR-HCT-56 Wk#22
Sample Date & Time	28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23
HumCell Leachate Vol [mL]	990	988	939	907	948	936
pH [No unit]	6.91	7.27	7.24	6.70	6.98	7.27
Alkalinity [mg/L as CaCO3]	10	6	6	2	4	6
Conductivity [uS/cm]	11	14	20	23	34	25
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	6	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	0.28	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	6	7	5
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.021	0.063	0.003	0.044	0.032	0.033
As [mg/L]	0.192	0.0043	1.72	0.0330	0.0079	0.0189
Ba [mg/L]	< 0.00008	0.00024	0.00068	0.00028	0.00028	0.00044
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.009	< 0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.65	2.49	2.99	2.84	5.48	3.86
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000007	0.000022	< 0.000003
Co [mg/L]	0.000139	0.000055	0.000226	0.000144	0.00108	0.000059
Cr [mg/L]	< 0.00008	< 0.00008	0.00012	0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0009	0.0007	0.0004	0.0007	0.0006	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.014	< 0.007	< 0.007
K [mg/L]	0.064	0.065	0.056	0.297	0.217	0.376
Li [mg/L]	0.0075	0.0043	0.0036	0.0137	0.0101	0.0054
Mg [mg/L]	0.240	0.119	0.648	0.404	0.146	0.395
Mn [mg/L]	0.00047	0.00725	0.00158	0.00170	0.00496	0.00919

OnLine LIMS

0003521073

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10223-SEP23**

Analysis	9: CV5-WR-HCT-22 Wk#22	10: CV5-WR-HCT-33 Wk#22	11: CV5-WR-HCT-36 Wk#22	12: CV5-WR-HCT-39 Wk#22	13: CV5-WR-HCT-50 Wk#22	14: CV5-WR-HCT-56 Wk#22
Mo [mg/L]	0.00049	0.00017	0.00008	0.00031	0.00086	0.00028
Na [mg/L]	0.14	0.12	0.03	0.22	0.08	0.10
Ni [mg/L]	0.0005	0.0001	0.0092	0.0003	0.0010	0.0002
Pb [mg/L]	0.00009	< 0.00009	< 0.00009	0.00018	< 0.00009	< 0.00009
Sb [mg/L]	0.0085	0.0018	0.576	0.0167	0.0314	< 0.0009
Se [mg/L]	0.00004	0.00010	0.00007	0.00012	0.00058	0.00006
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00572	0.00260	0.00437	0.0103	0.00513	0.00541
Ti [mg/L]	0.00014	0.00022	< 0.00007	0.00052	0.00015	0.00013
Tl [mg/L]	0.000006	< 0.000005	0.000005	0.000008	0.000017	< 0.000005
U [mg/L]	0.000210	0.000038	0.000177	0.000341	0.00163	0.00299
V [mg/L]	0.00136	0.00067	0.00024	0.00047	0.00011	0.00053
W [mg/L]	0.00004	0.00006	0.00011	0.00007	0.00004	0.00020
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.005	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#22	16: CV5-WR-HCT-62 Wk#22	17: CV5-WR-HCT-64 Wk#22	18: CV5-WR-HCT-69 Wk#22	19: CV5-ORE-HCT-74 Wk#22	20: CV5-ORE-HCT-76 Wk#22
Sample Date & Time	28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23	28-Sep-23
HumCell Leachate Vol [mL]	981	910	951	996	983	933
pH [No unit]	6.56	7.43	6.98	7.27	6.79	7.26
Alkalinity [mg/L as CaCO3]	5	8	4	7	2	7
Conductivity [uS/cm]	11	25	8	20	7	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	2	2	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.018	0.002	0.030	0.083	0.027	0.082
As [mg/L]	0.340	1.09	0.0096	0.0071	0.0122	0.0055
Ba [mg/L]	0.00177	0.00060	< 0.00008	0.00015	0.00015	0.00014
Be [mg/L]	< 0.000007	< 0.000007	0.000011	0.000078	< 0.000007	0.000138
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00022	0.00001	0.00016
Ca [mg/L]	1.48	3.62	1.32	2.60	0.97	2.16
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000459	0.000294	0.000026	0.000057	0.000012	0.000020
Cr [mg/L]	0.00014	0.00009	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0008	< 0.0002	0.0004	0.0003	< 0.0002	0.0003
Fe [mg/L]	0.008	< 0.007	< 0.007	< 0.007	0.009	< 0.007
K [mg/L]	0.056	0.046	0.312	0.104	0.151	0.441

OnLine LIMS

0003521073

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10223-SEP23**

Analysis	15: CV5-WR-HCT-59 Wk#22	16: CV5-WR-HCT-62 Wk#22	17: CV5-WR-HCT-64 Wk#22	18: CV5-WR-HCT-69 Wk#22	19: CV5-ORE-HCT-74 Wk#22	20: CV5-ORE-HCT-76 Wk#22
Li [mg/L]	0.0028	0.0005	0.0041	0.0035	0.0106	0.0104
Mg [mg/L]	0.321	0.943	0.081	0.054	0.023	0.126
Mn [mg/L]	0.00166	0.00247	0.00326	0.00291	0.0392	0.00182
Mo [mg/L]	0.00017	0.00200	0.00026	0.00062	0.00031	0.00031
Na [mg/L]	0.05	0.04	0.06	0.16	0.12	0.13
Ni [mg/L]	0.0036	0.0080	0.0002	0.0002	0.0001	0.0001
Pb [mg/L]	0.00012	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0057	0.861	0.0018	0.0023	0.0136	0.0018
Se [mg/L]	< 0.00004	0.00015	< 0.00004	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00010	0.00012
Sr [mg/L]	0.00733	0.00316	0.00246	0.00515	0.00164	0.00554
Ti [mg/L]	0.00028	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000005	0.000005	0.000043	0.000009	0.000041	0.000040
U [mg/L]	0.000048	0.000168	0.00514	0.00942	0.00257	0.00169
V [mg/L]	0.00050	0.00027	0.00002	0.00010	0.00002	0.00007
W [mg/L]	0.00024	0.00162	0.00008	0.00009	0.00006	0.00008
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.003	< 0.002	< 0.002	< 0.002	0.004	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003521073

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings- Long - (9.5mm fraction size)

16-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 28 December 2023
LR Report: **CA10234-DEC23**
Reference: Wk#35

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#35	6: CV5-DMS-HC T-84 Wk#35
Sample Date & Time			28-Dec-23	28-Dec-23
HumCell Leachate Vol [mL]	29-Dec-23	10:12	988	989
pH [No unit]	02-Jan-24	11:05	6.47	6.39
Alkalinity [mg/L as CaCO3]	02-Jan-24	11:05	< 2	< 2
Conductivity [uS/cm]	02-Jan-24	11:05	2	2
Acidity [mg/L as CaCO3]	02-Jan-24	11:05	2	2
F [mg/L]	03-Jan-24	13:38	< 0.06	< 0.06
Tot.Reactive P [mg/L]	05-Jan-24	09:08	< 0.03	< 0.03
SO4 [mg/L]	03-Jan-24	12:07	< 2	< 2
Cl [mg/L]	03-Jan-24	12:07	< 1	< 1
NO2 [as N mg/L]	02-Jan-24	15:48	< 0.03	< 0.03
NO3 [as N mg/L]	02-Jan-24	15:48	< 0.06	< 0.06
Br [mg/L]	02-Jan-24	15:48	< 0.3	< 0.3
Hg [mg/L]	03-Jan-24	10:40	< 0.00001	< 0.00001
Ag [mg/L]	03-Jan-24	11:24	< 0.00005	< 0.00005
Al [mg/L]	03-Jan-24	11:24	0.016	0.016
As [mg/L]	03-Jan-24	11:24	0.0046	0.0033
Ba [mg/L]	03-Jan-24	11:24	< 0.00008	0.00024
Be [mg/L]	03-Jan-24	11:24	< 0.000007	0.000009
B [mg/L]	03-Jan-24	11:24	< 0.002	< 0.002
Bi [mg/L]	03-Jan-24	11:24	0.00003	0.00004
Ca [mg/L]	03-Jan-24	11:24	0.42	0.38
Cd [mg/L]	03-Jan-24	11:24	0.000005	0.000003
Co [mg/L]	03-Jan-24	11:24	0.000004	< 0.000004
Cr [mg/L]	03-Jan-24	11:24	< 0.00008	< 0.00008
Cu [mg/L]	03-Jan-24	11:24	< 0.0002	< 0.0002
Fe [mg/L]	03-Jan-24	11:24	< 0.007	< 0.007
K [mg/L]	03-Jan-24	11:24	0.066	0.060

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003592790

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10234-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#35	6: CV5-DMS-HC T-84 Wk#35
Li [mg/L]	03-Jan-24	11:24	0.0006	0.0006
Mg [mg/L]	03-Jan-24	11:24	0.015	0.016
Mn [mg/L]	03-Jan-24	11:24	0.00082	0.00141
Mo [mg/L]	03-Jan-24	11:24	0.00911	0.0118
Na [mg/L]	03-Jan-24	11:24	0.04	0.04
Ni [mg/L]	03-Jan-24	11:24	0.0001	< 0.0001
Pb [mg/L]	03-Jan-24	11:24	< 0.00009	< 0.00009
Sb [mg/L]	03-Jan-24	11:24	0.0015	0.0014
Se [mg/L]	03-Jan-24	11:24	< 0.00004	< 0.00004
Sn [mg/L]	03-Jan-24	11:24	< 0.00006	< 0.00006
Sr [mg/L]	03-Jan-24	11:24	0.00098	0.00157
Ti [mg/L]	03-Jan-24	11:24	< 0.00007	< 0.00007
Tl [mg/L]	03-Jan-24	11:24	0.000007	0.000011
U [mg/L]	03-Jan-24	11:24	0.00107	0.00136
V [mg/L]	03-Jan-24	11:24	0.00003	0.00003
W [mg/L]	03-Jan-24	11:24	< 0.00002	< 0.00002
Y [mg/L]	03-Jan-24	11:24	< 0.00002	< 0.00002
Zn [mg/L]	03-Jan-24	11:24	< 0.002	< 0.002
Au (tot) [mg/L]	03-Jan-24	11:24	< 0.00001	< 0.00001
Ce (tot) [mg/L]	04-Jan-24	13:47	< 0.00001	< 0.00001
Cs (tot) [mg/L]	03-Jan-24	11:24	0.0015	0.0015
Dy (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Er (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Eu (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Ga (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Gd (tot) [mg/L]	04-Jan-24	13:47	< 0.00001	< 0.00001
Ge (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Hf (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Ho (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
In (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Ir (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
La (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Lu (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Nb (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Nd (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Os (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Pd (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Pr (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Pt (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Rb (tot) [mg/L]	03-Jan-24	11:24	0.0047	0.0044
Re (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Rh (tot) [mg/L]	03-Jan-24	11:24	< 0.00001	< 0.00001

OnLine LIMS

0003592790

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10234-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#35	6: CV5-DMS-HC T-84 Wk#35
Sc (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Sm (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Ta (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Tb (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Te (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Th (tot) [mg/L]	03-Jan-24	11:24	< 0.0001	< 0.0001
Tm (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001
Yb (tot) [mg/L]	04-Jan-24	13:47	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003592790

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 28 December 2023
LR Report: **CA10235-DEC23**
Reference: Wk#35

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#35	6: CV5-WR-HCT-5 Wk#35	7: CV5-WR-HCT-5 (DUP) Wk#35	8: CV5-WR-HCT-14 Wk#35
Sample Date & Time			28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23
HumCell Leachate Vol [mL]	29-Dec-23	10:12	971	914	975	988
pH [No unit]	04-Jan-24	11:54	6.79	7.02	6.98	7.71
Alkalinity [mg/L as CaCO3]	02-Jan-24	11:21	3	5	4	13
Conductivity [uS/cm]	02-Jan-24	11:22	34	22	18	33
Acidity [mg/L as CaCO3]	04-Jan-24	12:02	< 2	< 2	< 2	< 2
F [mg/L]	03-Jan-24	13:38	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	05-Jan-24	09:08	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	04-Jan-24	16:12	10	4	3	2
Cl [mg/L]	04-Jan-24	16:30	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	03-Jan-24	14:14	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	03-Jan-24	14:14	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	03-Jan-24	14:14	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	03-Jan-24	10:40	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	03-Jan-24	11:22	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	03-Jan-24	11:22	0.023	0.024	0.024	0.106
As [mg/L]	03-Jan-24	11:22	0.0043	0.178	0.120	0.0414
Ba [mg/L]	03-Jan-24	11:22	0.00022	0.00026	0.00015	0.00018
Be [mg/L]	03-Jan-24	11:22	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	03-Jan-24	11:22	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	03-Jan-24	11:22	< 0.00001	< 0.00001	< 0.00001	0.00002
Ca [mg/L]	03-Jan-24	11:22	4.56	3.25	2.47	5.71
Cd [mg/L]	03-Jan-24	11:22	< 0.000003	< 0.000003	< 0.000003	0.000005
Co [mg/L]	03-Jan-24	11:22	0.000098	0.000243	0.000235	0.000061
Cr [mg/L]	03-Jan-24	11:22	< 0.00008	0.00010	< 0.00008	< 0.00008
Cu [mg/L]	03-Jan-24	11:22	< 0.0002	0.0004	< 0.0002	0.0004
Fe [mg/L]	03-Jan-24	11:22	< 0.007	< 0.007	< 0.007	0.008
K [mg/L]	03-Jan-24	11:22	0.165	0.087	0.068	0.040

OnLine LIMS

0003592822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10235-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#35	6: CV5-WR-HCT-5 Wk#35	7: CV5-WR-HCT-5 (DUP) Wk#35	8: CV5-WR-HCT-14 Wk#35
Li [mg/L]	03-Jan-24	11:22	0.0067	0.0082	0.0070	0.0044
Mg [mg/L]	03-Jan-24	11:22	0.303	0.192	0.159	0.236
Mn [mg/L]	03-Jan-24	11:22	0.00119	0.00167	0.00175	0.00585
Mo [mg/L]	03-Jan-24	11:22	0.00033	0.00016	0.00009	0.00034
Na [mg/L]	03-Jan-24	11:22	0.12	0.06	0.05	0.22
Ni [mg/L]	03-Jan-24	11:22	0.0004	0.0015	0.0010	0.0003
Pb [mg/L]	03-Jan-24	11:22	< 0.00009	< 0.00009	< 0.00009	0.00256
Sb [mg/L]	03-Jan-24	11:22	0.0031	0.0450	0.0239	0.0046
Se [mg/L]	03-Jan-24	11:22	0.00020	< 0.00004	< 0.00004	0.00010
Sn [mg/L]	03-Jan-24	11:22	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	03-Jan-24	11:22	0.0116	0.00615	0.00516	0.00473
Ti [mg/L]	03-Jan-24	11:22	< 0.00007	0.00021	< 0.00007	0.00018
Tl [mg/L]	03-Jan-24	11:22	< 0.000005	0.000006	0.000006	0.000006
U [mg/L]	03-Jan-24	11:22	0.00344	0.000021	0.000045	0.00310
V [mg/L]	03-Jan-24	11:23	0.00030	0.00052	0.00042	0.00289
W [mg/L]	03-Jan-24	11:23	0.00004	0.00006	0.00006	0.00003
Y [mg/L]	03-Jan-24	11:23	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	03-Jan-24	11:23	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	03-Jan-24	11:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	04-Jan-24	13:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	03-Jan-24	11:23	0.0059	0.0083	0.0078	0.0016
Dy (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	0.0002
Gd (tot) [mg/L]	04-Jan-24	13:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	03-Jan-24	11:23	0.0035	0.0030	0.0025	0.0004
Re (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	03-Jan-24	11:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0003592822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10235-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#35	6: CV5-WR-HCT-5 Wk#35	7: CV5-WR-HCT-5 (DUP) Wk#35	8: CV5-WR-HCT-14 Wk#35
Sc (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	03-Jan-24	11:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	04-Jan-24	13:48	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	9: CV5-WR-HCT-22 Wk#35	10: CV5-WR-HCT-33 Wk#35	11: CV5-WR-HCT-36 Wk#35	12: CV5-WR-HCT-39 Wk#35	13: CV5-WR-HCT-50 Wk#35	14: CV5-WR-HCT-56 Wk#35
Sample Date & Time	28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23
HumCell Leachate Vol [mL]	1001	988	1000	998	1005	971
pH [No unit]	6.98	7.19	7.25	6.73	6.92	7.19
Alkalinity [mg/L as CaCO3]	6	8	7	3	7	7
Conductivity [uS/cm]	13	18	20	23	58	29
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	2	6	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	0.11	0.22	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.44	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	6	14	6
Cl [mg/L]	< 1	< 1	< 1	< 1	4	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.022	0.053	0.001	0.013	0.017	0.037
As [mg/L]	0.133	0.0040	1.58	0.0232	0.0046	0.0128
Ba [mg/L]	0.00026	0.00016	0.00062	0.00020	0.00056	0.00039
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.005	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.94	3.07	2.66	2.84	8.93	4.46
Cd [mg/L]	< 0.000003	< 0.000003	0.000005	0.000004	0.000039	< 0.000003
Co [mg/L]	0.000158	0.000053	0.000369	0.000130	0.00229	0.000067
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0004	< 0.0002	< 0.0002	0.0003	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.038	0.049	0.045	0.178	0.221	0.169
Li [mg/L]	0.0060	0.0039	0.0026	0.0080	0.0145	0.0026

OnLine LIMS

0003592822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10235-DEC23**

Analysis	9: CV5-WR-HCT-22 Wk#35	10: CV5-WR-HCT-33 Wk#35	11: CV5-WR-HCT-36 Wk#35	12: CV5-WR-HCT-39 Wk#35	13: CV5-WR-HCT-50 Wk#35	14: CV5-WR-HCT-56 Wk#35
Mg [mg/L]	0.235	0.117	0.583	0.341	0.145	0.210
Mn [mg/L]	0.00097	0.00982	0.00200	0.00186	0.0111	0.00677
Mo [mg/L]	0.00320	0.00022	0.00011	0.00030	0.00027	0.00031
Na [mg/L]	0.10	0.09	0.03	0.10	0.12	0.06
Ni [mg/L]	0.0005	0.0001	0.0134	0.0004	0.0018	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	0.00031	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0057	0.0018	0.514	0.0154	0.0233	< 0.0009
Se [mg/L]	0.00004	0.00009	0.00006	0.00006	0.00065	0.00006
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00590	0.00318	0.00347	0.00819	0.00745	0.00459
Ti [mg/L]	0.00016	< 0.00007	< 0.00007	0.00010	< 0.00007	0.00008
Tl [mg/L]	< 0.000005	< 0.000005	0.000005	0.000006	0.000024	< 0.000005
U [mg/L]	0.000218	0.000038	0.00148	0.000418	0.00257	0.000397
V [mg/L]	0.00114	0.00065	0.00018	0.00033	0.00007	0.00032
W [mg/L]	0.00003	0.00004	0.00007	0.00004	< 0.00002	0.00011
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.007	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00001	< 0.00001
Cs (tot) [mg/L]	0.0040	0.0031	0.0114	0.0019	0.0365	0.0170
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0014	0.0006	0.0021	0.0020	0.0097	0.0009
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003592822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10235-DEC23**

Analysis	9: CV5-WR-HCT-22 Wk#35	10: CV5-WR-HCT-33 Wk#35	11: CV5-WR-HCT-36 Wk#35	12: CV5-WR-HCT-39 Wk#35	13: CV5-WR-HCT-50 Wk#35	14: CV5-WR-HCT-56 Wk#35
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	15: CV5-WR-HCT-59 Wk#35	16: CV5-WR-HCT-62 Wk#35	17: CV5-WR-HCT-64 Wk#35	18: CV5-WR-HCT-69 Wk#35	19: CV5-ORE-HCT-74 Wk#35	20: CV5-ORE-HCT-76 Wk#35
Sample Date & Time	28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23	28-Dec-23
HumCell Leachate Vol [mL]	964	953	1003	1012	1015	1002
pH [No unit]	6.74	7.17	7.11	7.12	6.73	7.18
Alkalinity [mg/L as CaCO3]	3	7	5	6	3	6
Conductivity [uS/cm]	15	23	12	14	6	18
Acidity [mg/L as CaCO3]	3	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	0.04	0.14	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	3	3	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.005	0.001	0.027	0.064	0.018	0.029
As [mg/L]	0.277	0.652	0.0069	0.0042	0.0099	0.0035
Ba [mg/L]	0.00083	0.00033	0.00009	0.00011	0.00021	< 0.00008
Be [mg/L]	< 0.000007	0.000011	0.000007	0.000069	< 0.000007	0.000103
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00016	< 0.00001	0.00007
Ca [mg/L]	1.74	2.97	1.98	2.46	0.93	2.99
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000794	0.000695	0.000012	0.000006	0.000024	0.000012
Cr [mg/L]	< 0.00008	0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0003	0.0010	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.040	< 0.007
K [mg/L]	0.037	0.019	0.194	0.065	0.106	0.259
Li [mg/L]	0.0019	0.0004	0.0019	0.0017	0.0078	0.0073
Mg [mg/L]	0.336	0.717	0.060	0.033	0.015	0.124

OnLine LIMS

0003592822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10235-DEC23**

Analysis	15: CV5-WR-HCT-59 Wk#35	16: CV5-WR-HCT-62 Wk#35	17: CV5-WR-HCT-64 Wk#35	18: CV5-WR-HCT-69 Wk#35	19: CV5-ORE-HCT-74 Wk#35	20: CV5-ORE-HCT-76 Wk#35
Mn [mg/L]	0.00194	0.00323	0.00533	0.00287	0.0651	0.00166
Mo [mg/L]	0.00010	0.00021	0.00022	0.00021	0.00022	0.00408
Na [mg/L]	0.04	0.02	0.04	0.12	0.10	0.09
Ni [mg/L]	0.0071	0.0111	0.0001	0.0002	0.0002	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0049	0.489	0.0013	0.0015	0.0104	0.0014
Se [mg/L]	< 0.00004	0.00008	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00839	0.00200	0.00285	0.00428	0.00173	0.00703
Ti [mg/L]	0.00017	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000034	0.000005	0.000032	0.000016
U [mg/L]	0.000094	0.00122	0.000864	0.00346	0.00106	0.00142
V [mg/L]	0.00038	0.00015	0.00004	0.00007	0.00002	0.00006
W [mg/L]	0.00011	0.00007	0.00006	0.00004	0.00004	0.00007
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0076	0.0021	0.0075	0.0016	0.0106	0.0060
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	0.0001	0.0002	0.0001	0.0002
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0021	0.0008	0.0157	0.0034	0.0139	0.0089
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003592822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10235-DEC23**

Analysis	15: CV5-WR-HCT-59 Wk#35	16: CV5-WR-HCT-62 Wk#35	17: CV5-WR-HCT-64 Wk#35	18: CV5-WR-HCT-69 Wk#35	19: CV5-ORE-HCT-74 Wk#35	20: CV5-ORE-HCT-76 Wk#35
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003592822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

17-December-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 30 November 2023
LR Report: **CA10255-NOV23**
Reference: Wk#31

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#31	6: CV5-DMS-HCT-84 Wk#31
Sample Date & Time			30-Nov-23	30-Nov-23
HumCell Leachate Vol [mL]	04-Dec-23	15:36	1005	1006
pH [No unit]	04-Dec-23	16:00	6.29	6.25
Alkalinity [mg/L as CaCO3]	01-Dec-23	10:32	< 2	< 2
Conductivity [uS/cm]	04-Dec-23	16:00	3	2
Acidity [mg/L as CaCO3]	04-Dec-23	16:00	3	3
Tot.Reactive P [mg/L]	04-Dec-23	09:17	< 0.03	< 0.03
SO4 [mg/L]	08-Dec-23	11:29	< 2	< 2
Ag [mg/L]	05-Dec-23	12:13	< 0.00005	< 0.00005
Al [mg/L]	05-Dec-23	12:13	0.012	0.013
As [mg/L]	05-Dec-23	12:13	0.0046	0.0034
Ba [mg/L]	05-Dec-23	12:13	< 0.00008	< 0.00008
Be [mg/L]	05-Dec-23	12:13	< 0.000007	0.000010
B [mg/L]	05-Dec-23	12:13	< 0.002	< 0.002
Bi [mg/L]	05-Dec-23	12:13	0.00002	0.00003
Ca [mg/L]	05-Dec-23	12:13	0.35	0.36
Cd [mg/L]	05-Dec-23	12:13	< 0.000003	0.000003
Co [mg/L]	05-Dec-23	12:13	0.000005	0.000006
Cr [mg/L]	05-Dec-23	12:13	< 0.00008	< 0.00008
Cu [mg/L]	05-Dec-23	12:13	< 0.0002	0.0004
Fe [mg/L]	05-Dec-23	12:13	< 0.007	< 0.007
K [mg/L]	05-Dec-23	12:13	0.067	0.065
Li [mg/L]	05-Dec-23	12:13	0.0006	0.0007
Mg [mg/L]	05-Dec-23	12:13	0.015	0.014
Mn [mg/L]	05-Dec-23	12:13	0.00081	0.00132
Mo [mg/L]	05-Dec-23	12:13	0.00239	0.00020
Na [mg/L]	05-Dec-23	12:13	0.04	0.04
Ni [mg/L]	05-Dec-23	12:13	< 0.0001	< 0.0001
Pb [mg/L]	05-Dec-23	12:13	< 0.00009	< 0.00009
Sb [mg/L]	05-Dec-23	12:13	0.0019	0.0018
Se [mg/L]	05-Dec-23	12:13	< 0.00004	< 0.00004
Sn [mg/L]	05-Dec-23	12:13	< 0.00006	< 0.00006
Sr [mg/L]	05-Dec-23	12:13	0.00091	0.00092
Ti [mg/L]	05-Dec-23	12:13	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10255-NOV23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#31	6: CV5-DMS-HCT-84 Wk#31
Tl [mg/L]	05-Dec-23	12:13	0.000007	0.000010
U [mg/L]	05-Dec-23	12:13	0.00128	0.00127
V [mg/L]	05-Dec-23	12:13	0.00003	0.00002
W [mg/L]	05-Dec-23	12:13	< 0.00002	< 0.00002
Y [mg/L]	05-Dec-23	12:13	< 0.00002	< 0.00002
Zn [mg/L]	05-Dec-23	12:13	< 0.002	< 0.002

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003562219

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-December-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 30 November 2023
LR Report: **CA10256-NOV23**
Reference: Wk#31

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#31	6: CV5-WR-HCT-5 Wk#31	7: CV5-WR-HCT-5 (DUP) Wk#31	8: CV5-WR-HCT-14 Wk#31	9: CV5-WR-HCT-22 Wk#31
Sample Date & Time			30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23
HumCell Leachate Vol [mL]	04-Dec-23	15:36	946	927	956	984	994
pH [No unit]	04-Dec-23	16:01	6.95	7.08	6.97	7.30	6.68
Alkalinity [mg/L as CaCO3]	04-Dec-23	16:02	3	4	3	10	3
Conductivity [uS/cm]	04-Dec-23	13:12	28	21	14	27	10
Acidity [mg/L as CaCO3]	04-Dec-23	16:02	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	04-Dec-23	09:17	< 0.03	0.04	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	08-Dec-23	11:29	9	4	3	< 2	< 2
Ag [mg/L]	05-Dec-23	12:13	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	05-Dec-23	12:13	0.023	0.021	0.022	0.085	0.023
As [mg/L]	05-Dec-23	12:13	0.0040	0.212	0.144	0.0353	0.153
Ba [mg/L]	05-Dec-23	12:13	0.00025	0.00019	0.00025	0.00012	0.00010
Be [mg/L]	05-Dec-23	12:13	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	05-Dec-23	12:13	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	05-Dec-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	05-Dec-23	12:13	4.19	3.06	2.05	4.86	1.34
Cd [mg/L]	05-Dec-23	12:13	0.000003	< 0.000003	< 0.000003	0.000005	< 0.000003
Co [mg/L]	05-Dec-23	12:13	0.000097	0.000190	0.000153	0.000051	0.000132
Cr [mg/L]	05-Dec-23	12:13	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	05-Dec-23	12:13	< 0.0002	< 0.0002	< 0.0002	0.0003	< 0.0002
Fe [mg/L]	05-Dec-23	12:13	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	05-Dec-23	12:13	0.225	0.115	0.080	0.038	0.042
Li [mg/L]	05-Dec-23	12:13	0.0094	0.0109	0.0084	0.0040	0.0063
Mg [mg/L]	05-Dec-23	12:13	0.384	0.240	0.181	0.211	0.208
Mn [mg/L]	05-Dec-23	12:13	0.00131	0.00135	0.00138	0.00517	0.00039
Mo [mg/L]	05-Dec-23	12:13	0.00027	0.00006	0.00018	0.00036	0.00029
Na [mg/L]	05-Dec-23	12:13	0.14	0.07	0.05	0.22	0.11
Ni [mg/L]	05-Dec-23	12:13	0.0003	0.0012	0.0008	0.0001	0.0003
Pb [mg/L]	05-Dec-23	12:13	0.00013	< 0.00009	< 0.00009	0.00018	0.00010
Sb [mg/L]	05-Dec-23	12:13	0.0036	0.0486	0.0247	0.0046	0.0067

OnLine LMS

0003562226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10256-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#31	6: CV5-WR-HCT-5 Wk#31	7: CV5-WR-HCT-5 (DUP) Wk#31	8: CV5-WR-HCT-14 Wk#31	9: CV5-WR-HCT-22 Wk#31
Se [mg/L]	05-Dec-23	12:13	0.00014	0.00004	< 0.00004	0.00018	< 0.00004
Sn [mg/L]	05-Dec-23	12:13	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	05-Dec-23	12:13	0.0118	0.00652	0.00502	0.00399	0.00448
Ti [mg/L]	05-Dec-23	12:13	0.00013	0.00008	< 0.00007	0.00023	0.00019
Tl [mg/L]	05-Dec-23	12:13	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	05-Dec-23	12:13	0.00377	0.000040	0.000145	0.00209	0.000166
V [mg/L]	05-Dec-23	12:13	0.00030	0.00056	0.00042	0.00235	0.00115
W [mg/L]	05-Dec-23	12:13	0.00004	0.00006	0.00006	< 0.00002	0.00003
Y [mg/L]	05-Dec-23	12:13	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	05-Dec-23	12:13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT-33 Wk#31	11: CV5-WR-HCT-36 Wk#31	12: CV5-WR-HCT-39 Wk#31	13: CV5-WR-HCT-50 Wk#31	14: CV5-WR-HCT-56 Wk#31	15: CV5-WR-HCT-59 Wk#31	16: CV5-WR-HCT-62 Wk#31
Sample Date & Time	30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23
HumCell Leachate Vol [mL]	995	987	962	999	965	998	950
pH [No unit]	7.18	7.14	6.39	6.30	7.04	6.38	7.04
Alkalinity [mg/L as CaCO3]	5	4	< 2	2	5	4	7
Conductivity [uS/cm]	15	17	19	37	25	13	24
Acidity [mg/L as CaCO3]	< 2	<2	4	9	< 2	3	< 2
Tot.Reactive P [mg/L]	< 0.03	0.33	< 0.03	< 0.03	< 0.03	0.05	0.15
SO4 [mg/L]	< 2	< 2	6	12	5	3	3
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.050	0.003	0.020	0.007	0.034	0.004	< 0.001
As [mg/L]	0.0038	1.26	0.0218	0.0027	0.0149	0.313	0.709
Ba [mg/L]	0.00019	0.00051	0.00037	0.00033	0.00036	0.00013	0.00034
Be [mg/L]	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.40	2.40	2.36	5.88	4.00	1.39	2.92
Cd [mg/L]	< 0.000003	< 0.000003	0.000006	0.000038	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000043	0.000230	0.000140	0.002093	0.000078	0.000428	0.000417
Cr [mg/L]	< 0.00008	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0004	< 0.0002	< 0.0002	0.0003	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	0.014	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.054	0.056	0.195	0.151	0.232	0.038	0.027
Li [mg/L]	0.0041	0.0027	0.0104	0.0090	0.0039	0.0019	0.0005
Mg [mg/L]	0.121	0.519	0.317	0.122	0.287	0.292	0.799
Mn [mg/L]	0.00872	0.00176	0.00222	0.00623	0.00656	0.00117	0.00255
Mo [mg/L]	0.00025	0.00025	0.00015	0.00121	0.00017	0.00086	0.00051
Na [mg/L]	0.09	0.02	0.11	0.08	0.12	0.05	< 0.01
Ni [mg/L]	< 0.0001	0.0070	0.0003	0.0017	0.0001	0.0031	0.0075
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0014	0.519	0.0133	0.0164	< 0.0009	0.0054	0.604

OnLine LIMS

0003562226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10256-NOV23**

Analysis	10: CV5-WR-HCT-33 Wk#31	11: CV5-WR-HCT-36 Wk#31	12: CV5-WR-HCT-39 Wk#31	13: CV5-WR-HCT-50 Wk#31	14: CV5-WR-HCT-56 Wk#31	15: CV5-WR-HCT-59 Wk#31	16: CV5-WR-HCT-62 Wk#31
Se [mg/L]	0.00010	< 0.00004	0.00007	0.00053	0.00008	< 0.00004	0.00012
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00219	0.00324	0.00756	0.00524	0.00442	0.00641	0.00204
Ti [mg/L]	< 0.00007	< 0.00007	0.00022	< 0.00007	0.00009	0.00009	< 0.00007
Tl [mg/L]	< 0.000005	0.000005	0.000006	0.000014	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000031	0.00151	0.000251	0.00132	0.000301	0.000009	0.000121
V [mg/L]	0.00060	0.00018	0.00033	0.00004	0.00036	0.00032	0.00017
W [mg/L]	0.00006	0.00007	0.00004	< 0.00002	0.00006	0.00011	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.011	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT-64 Wk#31	18: CV5-WR-HCT-69 Wk#31	19: CV5-ORE-HCT-74 Wk#31	20: CV5-ORE-HCT-76 Wk#31
Sample Date & Time	30-Nov-23	30-Nov-23	30-Nov-23	30-Nov-23
HumCell Leachate Vol [mL]	996	1005	1009	1003
pH [No unit]	6.65	6.90	6.44	6.89
Alkalinity [mg/L as CaCO3]	4	5	2	6
Conductivity [uS/cm]	9	13	5	13
Acidity [mg/L as CaCO3]	< 2	< 2	<2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.023	0.063	0.017	0.035
As [mg/L]	0.0074	0.0051	0.0101	0.0028
Ba [mg/L]	< 0.00008	0.00015	< 0.00008	0.00009
Be [mg/L]	0.000011	0.000090	< 0.000007	0.000059
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00025	< 0.00001	0.00009
Ca [mg/L]	1.28	2.50	0.66	2.32
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000007	0.000014	0.000011	0.000010
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	0.0004	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.187	0.082	0.099	0.303
Li [mg/L]	0.0022	0.0021	0.0073	0.0081
Mg [mg/L]	0.056	0.040	0.013	0.120
Mn [mg/L]	0.00310	0.00273	0.0364	0.00168
Mo [mg/L]	0.00009	0.00024	0.00013	0.00019
Na [mg/L]	0.04	0.14	0.08	0.08
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0017	0.0023	0.0108	0.0012

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003562226

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10256-NOV23**

Analysis	17: CV5-WR-HCT-64 Wk#31	18: CV5-WR-HCT-69 Wk#31	19: CV5-ORE-HCT-74 Wk#31	20: CV5-ORE-HCT-76 Wk#31
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	0.00005
Sn [mg/L]	< 0.00006	< 0.00006	0.00012	< 0.00006
Sr [mg/L]	0.00197	0.00460	0.00100	0.00561
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000028	0.000006	0.000024	0.000023
U [mg/L]	0.000962	0.00426	0.00128	0.00456
V [mg/L]	0.00002	0.00007	< 0.00001	0.00005
W [mg/L]	0.00005	0.00005	0.00003	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003566226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

12-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 31 August 2023
LR Report: **CA10267-AUG23**
Reference: Wk#18

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#18	6: CV5-WR-HCT-5 Wk#18	7: CV5-WR-HCT-5 (DUP) Wk#18	8: CV5-WR-HCT-14 Wk#18	9: CV5-WR-HCT-22 Wk#18
Sample Date & Time			31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23
HumCell Leachate Vol [mL]	01-Sep-23	17:05	903	899	924	999	984
pH [No unit]	06-Sep-23	10:16	7.13	7.33	7.13	7.97	7.24
Alkalinity [mg/L as CaCO3]	06-Sep-23	10:16	4	6	4	16	6
Conductivity [uS/cm]	06-Sep-23	10:16	28	24	20	33	15
Acidity [mg/L as CaCO3]	06-Sep-23	10:16	3	< 2	< 2	< 2	< 2
F [mg/L]	05-Sep-23	09:32	< 0.06	0.08	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	05-Sep-23	09:55	< 0.03	0.12	0.06	< 0.03	0.09
SO4 [mg/L]	06-Sep-23	16:10	7	4	3	2	< 2
Cl [mg/L]	06-Sep-23	16:10	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	06-Sep-23	12:57	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	06-Sep-23	12:57	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	06-Sep-23	12:57	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	11-Sep-23	10:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	06-Sep-23	16:06	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	06-Sep-23	16:06	0.030	0.026	0.031	0.096	0.029
As [mg/L]	06-Sep-23	16:06	0.0076	0.467	0.300	0.0549	0.318
Ba [mg/L]	06-Sep-23	16:06	0.00026	0.00039	0.00026	0.00019	0.00015
Be [mg/L]	06-Sep-23	16:06	< 0.000007	< 0.000007	< 0.000007	0.000007	0.000008
B [mg/L]	06-Sep-23	16:06	0.006	0.006	0.004	< 0.002	0.004
Bi [mg/L]	06-Sep-23	16:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	06-Sep-23	16:06	3.85	3.78	2.71	5.92	2.24
Cd [mg/L]	06-Sep-23	16:06	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	06-Sep-23	16:06	0.000071	0.000144	0.000156	0.000055	0.000127
Cr [mg/L]	06-Sep-23	16:06	0.00011	0.00011	0.00014	0.00012	0.00015
Cu [mg/L]	06-Sep-23	16:06	< 0.0002	0.0002	0.0012	0.0002	< 0.0002
Fe [mg/L]	06-Sep-23	16:06	0.007	< 0.007	0.007	0.012	0.010
K [mg/L]	06-Sep-23	16:06	0.425	0.225	0.168	0.062	0.096
Li [mg/L]	08-Sep-23	11:46	0.0133	0.0196	0.0151	0.0049	0.0108
Mg [mg/L]	06-Sep-23	16:06	0.600	0.471	0.351	0.304	0.339

OnLine LIMS

0003464141

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10267-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#18	6: CV5-WR-HCT-5 Wk#18	7: CV5-WR-HCT-5 (DUP) Wk#18	8: CV5-WR-HCT-14 Wk#18	9: CV5-WR-HCT-22 Wk#18
Mn [mg/L]	06-Sep-23	16:06	0.00158	0.00180	0.00192	0.00545	0.00064
Mo [mg/L]	06-Sep-23	16:06	0.00053	0.00044	0.00025	0.00014	0.00036
Na [mg/L]	06-Sep-23	16:06	0.35	0.18	0.14	0.32	0.28
Ni [mg/L]	06-Sep-23	16:06	0.0003	0.0012	0.0008	0.0002	0.0004
Pb [mg/L]	06-Sep-23	16:06	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	06-Sep-23	16:06	0.0069	0.110	0.0531	0.0100	0.0149
Se [mg/L]	06-Sep-23	16:07	0.00027	0.00011	0.00009	0.00010	0.00005
Sn [mg/L]	06-Sep-23	16:07	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	06-Sep-23	16:07	0.0143	0.00992	0.00829	0.00566	0.00753
Ti [mg/L]	06-Sep-23	16:07	0.00029	0.00014	0.00017	0.00054	0.00043
Tl [mg/L]	06-Sep-23	16:07	< 0.000005	0.000006	0.000006	< 0.000005	0.000005
U [mg/L]	08-Sep-23	11:46	0.000230	0.000369	0.000328	0.000181	0.000216
V [mg/L]	06-Sep-23	16:07	0.00059	0.00105	0.00094	0.00326	0.00197
W [mg/L]	06-Sep-23	16:07	0.00061	0.00141	0.00066	0.00013	0.00005
Y [mg/L]	06-Sep-23	16:07	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	06-Sep-23	16:07	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	06-Sep-23	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	06-Sep-23	16:07	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00004
Cs (tot) [mg/L]	06-Sep-23	16:07	0.0093	0.0144	0.0134	0.0021	0.0066
Dy (tot) [mg/L]	06-Sep-23	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	06-Sep-23	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	06-Sep-23	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Gd (tot) [mg/L]	06-Sep-23	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	06-Sep-23	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	06-Sep-23	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	06-Sep-23	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	06-Sep-23	16:08	0.0063	0.0058	0.0046	0.0005	0.0024
Re (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	06-Sep-23	16:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003464141

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10267-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#18	6: CV5-WR-HCT-5 Wk#18	7: CV5-WR-HCT-5 (DUP) Wk#18	8: CV5-WR-HCT-14 Wk#18	9: CV5-WR-HCT-22 Wk#18
Th (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	06-Sep-23	16:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	10: CV5-WR-HCT-3 3 Wk#18	11: CV5-WR-HCT-3 6 Wk#18	12: CV5-WR-HCT-3 9 Wk#18	13: CV5-WR-HCT-5 0 Wk#18	14: CV5-WR-HCT-5 6 Wk#18	15: CV5-WR-HCT-5 9 Wk#18	16: CV5-WR-HCT-6 2 Wk#18
Sample Date & Time	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23
HumCell Leachate Vol [mL]	997	986	936	924	945	979	937
pH [No unit]	7.51	7.53	7.02	7.20	7.61	6.92	7.74
Alkalinity [mg/L as CaCO3]	8	10	3	6	8	3	11
Conductivity [uS/cm]	20	27	23	52	28	14	28
Acidity [mg/L as CaCO3]	< 2	6	< 2	8	< 2	2	< 2
F [mg/L]	< 0.06	< 0.06	0.19	0.25	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	1.21	< 0.03	< 0.03	< 0.03	0.19	0.56
SO4 [mg/L]	< 2	< 2	6	11	5	< 2	2
Cl [mg/L]	< 1	< 1	< 1	4	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.067	0.002	0.054	0.046	0.039	0.008	0.003
As [mg/L]	0.0057	3.45	0.0428	0.0127	0.0270	0.681	1.79
Ba [mg/L]	0.00031	0.00117	0.00050	0.00059	0.00061	0.00022	0.00096
Be [mg/L]	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.016	0.003	< 0.002	0.003	< 0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	3.80	3.96	3.20	8.68	4.33	1.90	4.24
Cd [mg/L]	< 0.000003	< 0.000003	0.000004	0.000030	< 0.000003	< 0.000003	0.000004
Co [mg/L]	0.000079	0.000241	0.000149	0.001284	0.000058	0.000366	0.000300
Cr [mg/L]	< 0.00008	0.00017	0.00014	< 0.00008	< 0.00008	0.00012	0.00014
Cu [mg/L]	0.0006	< 0.0002	< 0.0002	0.0003	0.0003	< 0.0002	0.0002
Fe [mg/L]	0.007	< 0.007	0.015	< 0.007	< 0.007	0.007	< 0.007
K [mg/L]	0.106	0.081	0.347	0.358	0.562	0.100	0.060
Li [mg/L]	0.0064	0.0044	0.0164	0.0133	0.0072	0.0031	0.0006
Mg [mg/L]	0.203	1.02	0.463	0.258	0.503	0.470	1.14
Mn [mg/L]	0.0109	0.00161	0.00205	0.00675	0.0130	0.00140	0.00272
Mo [mg/L]	0.00015	0.00010	0.00029	0.00084	0.00018	0.00011	0.00016
Na [mg/L]	0.22	0.07	0.26	0.16	0.17	0.11	0.05
Ni [mg/L]	0.0001	0.0152	0.0004	0.0011	0.0001	0.0030	0.0117
Pb [mg/L]	< 0.00009	< 0.00009	0.00014	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0032	1.05	0.0289	0.0820	< 0.0009	0.0141	1.31
Se [mg/L]	0.00015	0.00008	0.00014	0.00116	< 0.00004	< 0.00004	0.00014
Sn [mg/L]	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00015

OnLine LNTS

0003464141

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10267-AUG23**

Analysis	10: CV5-WR-HCT-3 3 Wk#18	11: CV5-WR-HCT-3 6 Wk#18	12: CV5-WR-HCT-3 9 Wk#18	13: CV5-WR-HCT-5 0 Wk#18	14: CV5-WR-HCT-5 6 Wk#18	15: CV5-WR-HCT-5 9 Wk#18	16: CV5-WR-HCT-6 2 Wk#18
Sr [mg/L]	0.00414	0.00645	0.0117	0.00832	0.00620	0.00988	0.00422
Ti [mg/L]	0.00028	< 0.00007	0.00071	0.00016	0.00011	0.00013	< 0.00007
Tl [mg/L]	< 0.000005	0.000005	0.000006	0.000020	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000075	0.000233	0.000404	0.00293	0.000674	0.000012	0.000103
V [mg/L]	0.00099	0.00040	0.00060	0.00018	0.00079	0.00075	0.00037
W [mg/L]	0.00007	0.00020	0.00013	0.00004	0.00016	0.00033	0.00016
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.006	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00004	< 0.00001	0.00002	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0058	0.0158	0.0032	0.0445	0.0282	0.0121	0.0037
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0009	0.0026	0.0031	0.0124	0.0020	0.0038	0.0014
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	17: CV5-WR-HCT-6 4 Wk#18	18: CV5-WR-HCT-6 9 Wk#18	19: CV5-ORE-HCT- 74 Wk#18	20: CV5-ORE-HCT- 76 Wk#18
Sample Date & Time	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23

OnLine LIMS

0003464141

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10267-AUG23**

Analysis	17: CV5-WR-HCT-64 Wk#18	18: CV5-WR-HCT-69 Wk#18	19: CV5-ORE-HCT-74 Wk#18	20: CV5-ORE-HCT-76 Wk#18
HumCell Leachate Vol [mL]	988	992	998	971
pH [No unit]	7.22	7.46	6.98	7.46
Alkalinity [mg/L as CaCO3]	6	16	3	12
Conductivity [uS/cm]	14	16	8	17
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.034	0.093	0.027	0.038
As [mg/L]	0.0191	0.0110	0.0203	0.0080
Ba [mg/L]	0.00019	0.00029	0.00013	0.00015
Be [mg/L]	0.000010	0.000081	< 0.000007	0.000057
B [mg/L]	< 0.002	0.004	< 0.002	0.003
Bi [mg/L]	< 0.00001	0.00038	< 0.00001	0.00010
Ca [mg/L]	2.55	3.15	1.22	2.96
Cd [mg/L]	< 0.000003	0.000005	< 0.000003	< 0.000003
Co [mg/L]	0.000013	0.000017	0.000007	0.000007
Cr [mg/L]	0.00010	0.00008	0.00009	0.00009
Cu [mg/L]	0.0002	0.0004	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.462	0.142	0.193	0.544
Li [mg/L]	0.0044	0.0032	0.0128	0.0126
Mg [mg/L]	0.129	0.074	0.030	0.162
Mn [mg/L]	0.00571	0.00318	0.0446	0.00214
Mo [mg/L]	0.00080	0.00138	0.00018	0.00012
Na [mg/L]	0.12	0.26	0.18	0.18
Ni [mg/L]	< 0.0001	0.0002	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0033	0.0034	0.0216	0.0025
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	0.00011	0.00006	0.00018	< 0.00006
Sr [mg/L]	0.00425	0.00619	0.00202	0.00757
Ti [mg/L]	< 0.00007	0.00013	< 0.00007	< 0.00007
Tl [mg/L]	0.000054	0.000010	0.000034	0.000031
U [mg/L]	0.00263	0.00825	0.00242	0.00180
V [mg/L]	0.00005	0.00017	0.00007	0.00010
W [mg/L]	0.00009	0.00137	0.00031	0.00027
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.004	< 0.002

SMS LIMS OnLine

0003464141

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10267-AUG23**

Analysis	17: CV5-WR-HCT-64 Wk#18	18: CV5-WR-HCT-69 Wk#18	19: CV5-ORE-HCT-74 Wk#18	20: CV5-ORE-HCT-76 Wk#18
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0141	0.0028	0.0142	0.0092
Dy (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	0.0002	0.0002	0.0003	0.0002
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0287	0.0058	0.0197	0.0148
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003464141

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings- Long - (9.5mm fraction size)

12-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 31 August 2023
LR Report: **CA10268-AUG23**
Reference: Wk#18

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#18	6: CV5-DMS-HCT-84 Wk#18
Sample Date & Time			31-Aug-23	31-Aug-23
HumCell Leachate Vol [mL]	01-Sep-23	17:06	970	964
pH [No unit]	05-Sep-23	13:52	6.77	6.40
Alkalinity [mg/L as CaCO3]	05-Sep-23	13:52	<2	< 2
Conductivity [uS/cm]	05-Sep-23	13:52	4	2
Acidity [mg/L as CaCO3]	05-Sep-23	13:52	2	2
F [mg/L]	05-Sep-23	09:32	< 0.06	< 0.06
Tot.Reactive P [mg/L]	05-Sep-23	09:55	< 0.03	< 0.03
SO4 [mg/L]	06-Sep-23	16:11	< 2	< 2
Cl [mg/L]	06-Sep-23	16:11	< 1	< 1
NO2 [as N mg/L]	06-Sep-23	12:57	< 0.03	< 0.03
NO3 [as N mg/L]	06-Sep-23	12:57	< 0.06	< 0.06
Br [mg/L]	06-Sep-23	12:57	< 0.3	< 0.3
Hg [mg/L]	11-Sep-23	10:32	< 0.00001	< 0.00001
Ag [mg/L]	06-Sep-23	16:09	< 0.00005	< 0.00005
Al [mg/L]	06-Sep-23	16:09	0.042	0.010
As [mg/L]	06-Sep-23	16:09	0.0132	0.0031
Ba [mg/L]	06-Sep-23	16:09	0.00015	< 0.00008
Be [mg/L]	06-Sep-23	16:09	0.000010	0.000011
B [mg/L]	06-Sep-23	16:09	< 0.002	< 0.002
Bi [mg/L]	06-Sep-23	16:09	0.00006	0.00002
Ca [mg/L]	06-Sep-23	16:09	0.74	0.29
Cd [mg/L]	06-Sep-23	16:09	0.000003	0.000003
Co [mg/L]	06-Sep-23	16:09	< 0.000004	0.000005
Cr [mg/L]	06-Sep-23	16:09	0.00009	< 0.00008
Cu [mg/L]	06-Sep-23	16:09	< 0.0002	< 0.0002
Fe [mg/L]	06-Sep-23	16:09	< 0.007	< 0.007
K [mg/L]	06-Sep-23	16:09	0.160	0.096
Li [mg/L]	06-Sep-23	16:09	0.0014	0.0009
Mg [mg/L]	06-Sep-23	16:09	0.031	0.013

SMN LIMS OnLine

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003464143

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10268-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#18	6: CV5-DMS-HCT-84 Wk#18
Mn [mg/L]	06-Sep-23	16:09	0.00199	0.00198
Mo [mg/L]	06-Sep-23	16:09	0.00052	0.00007
Na [mg/L]	06-Sep-23	16:09	0.07	0.04
Ni [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Pb [mg/L]	06-Sep-23	16:09	< 0.00009	< 0.00009
Sb [mg/L]	06-Sep-23	16:09	0.0038	< 0.0009
Se [mg/L]	06-Sep-23	16:09	< 0.00004	< 0.00004
Sn [mg/L]	06-Sep-23	16:09	< 0.00006	< 0.00006
Sr [mg/L]	06-Sep-23	16:09	0.00187	0.00073
Ti [mg/L]	06-Sep-23	16:09	< 0.00007	< 0.00007
Tl [mg/L]	06-Sep-23	16:09	0.000014	0.000012
U [mg/L]	06-Sep-23	16:09	0.00228	0.00103
V [mg/L]	06-Sep-23	16:09	0.00006	0.00005
W [mg/L]	06-Sep-23	16:09	0.00016	0.00007
Y [mg/L]	06-Sep-23	16:09	< 0.00002	< 0.00002
Zn [mg/L]	06-Sep-23	16:09	< 0.002	< 0.002
Au (tot) [mg/L]	06-Sep-23	16:09	< 0.00001	< 0.00001
Ce (tot) [mg/L]	06-Sep-23	16:09	< 0.00001	< 0.00001
Cs (tot) [mg/L]	06-Sep-23	16:09	0.0024	0.0016
Dy (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Er (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Eu (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Ga (tot) [mg/L]	11-Sep-23	10:56	< 0.0001	< 0.0001
Gd (tot) [mg/L]	06-Sep-23	16:09	< 0.00001	< 0.00001
Ge (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Hf (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Ho (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
In (tot) [mg/L]	11-Sep-23	10:56	< 0.0001	< 0.0001
Ir (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
La (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Lu (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Nb (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Nd (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Os (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Pd (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Pr (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Pt (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Rb (tot) [mg/L]	06-Sep-23	16:09	0.0093	0.0057
Re (tot) [mg/L]	06-Sep-23	16:09	< 0.0001	< 0.0001
Rh (tot) [mg/L]	06-Sep-23	16:09	< 0.00001	< 0.00001
Sc (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001
Sm (tot) [mg/L]	06-Sep-23	16:10	< 0.0001	< 0.0001
Ta (tot) [mg/L]	06-Sep-23	16:10	< 0.0001	< 0.0001
Tb (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001
Te (tot) [mg/L]	06-Sep-23	16:10	< 0.0001	< 0.0001

SMS LIMS OnLine

0003464143

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10268-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#18	6: CV5-DMS-HCT-84 Wk#18
Th (tot) [mg/L]	06-Sep-23	16:10	< 0.0001	< 0.0001
Tm (tot) [mg/L]	11-Sep-23	10:57	< 0.0001	< 0.0001
Yb (tot) [mg/L]	06-Sep-23	16:10	< 0.0001	< 0.0001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003464143

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-April-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 05 April 2023
LR Report: **CA11002-APR23**

Copy: #1

CERTIFICATE OF ANALYSIS

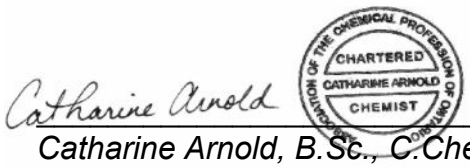
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Sample Date & Time			N/A	N/A
Sample weight [g]	18-Apr-23	16:34	1.98	2.09
Initial pH	18-Apr-23	16:34	9.23	8.72
Vol H2SO4 [mL]	18-Apr-23	16:34	0.25	0.25
H2SO4 [Normality]	18-Apr-23	16:34	1.00	1.00
NP [t CaCO3/1000 t]	18-Apr-23	16:34	6.3	6.0
AP [t CaCO3/1000 t]	19-Apr-23	16:48	1.25	1.25
NNP [kg CaCO3/ tonne]	19-Apr-23	16:48	5.0	4.8
S [%]	19-Apr-23	16:41	< 0.005	< 0.005
Acid Leachable SO4-S [%]	19-Apr-23	16:47	<0.04	<0.04
Sulphide [%]	19-Apr-23	16:47	< 0.04	< 0.04
C [%]	19-Apr-23	16:41	0.019	0.015
CO3 (HCl) as %CO3 [%]	19-Apr-23	16:41	< 0.04	< 0.04

MA110 ACISOL 1.0

Gross NP (kg CaCO3/tonne) Section 7.3
AP (kg CaCO3/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003314511

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-April-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 05 April 2023
LR Report: **CA11003-APR23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Sample Date & Time					N/A	N/A
Hg [ug/g]	13-Apr-23	10:52	13-Apr-23	13:11	< 0.05	< 0.05
Ag [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	< 0.5	< 0.5
Al [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1400	1400
As [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	11	7.9
B [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	2	2
Ba [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1.8	1.6
Be [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1.8	1.3
Bi [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	8.9	3.3
Ca [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	730	590
Cd [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	0.04	0.03
Co [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	0.28	0.30
Cr [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	79	82
Cu [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1.3	1.5
Fe [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1300	1300
K [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1100	1100
Li [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	20	15
Mg [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	92	88
Mn [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	44	33
Mo [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	0.2	0.2
Na [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	480	470
Ni [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	2.0	2.1
P [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	210	180
Pb [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1.9	1.5
Sb [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	2.3	1.4
Se [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	< 0.1	< 0.1
Sn [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	< 5	< 5
Sr [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	2.9	2.4
Ti [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1.3	0.92

OnLine LIMS

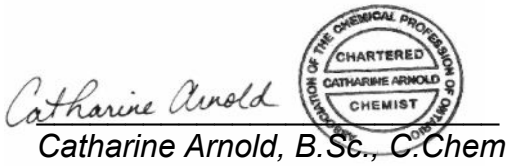
0003314526

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11003-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Tl [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1.2	1.1
U [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	7.8	1.5
V [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	< 1	< 1
Zn [µg/g]	13-Apr-23	19:08	14-Apr-23	15:17	1.6	1.6



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LMS

0003314526

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

23-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 05 April 2023
LR Report: **CA11004-APR23**
Reference: Tailing Samples

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Sample Date & Time			N/A	N/A
Sample weight [g]	20-Apr-23	10:27	20	20
Ext Fluid [#1 or #2]	20-Apr-23	10:27	1	1
Ext Volume [mL]	20-Apr-23	10:27	400	400
Final pH [no unit]	20-Apr-23	10:27	4.92	4.92
pH [No unit]	24-Apr-23	09:28	4.91	4.91
Conductivity [uS/cm]	24-Apr-23	09:28	4500	4630
Alkalinity [mg/L as CaCO3]	21-Apr-23	10:39	1280	1300
Acidity [mg/L as CaCO3]	21-Apr-23	10:39	1650	1660
F [mg/L]	21-Apr-23	09:21	0.10	0.16
SO4 [mg/L]	28-Apr-23	09:29	< 20	< 20
Cl [mg/L]	28-Apr-23	09:29	< 20	< 20
Br [mg/L]	28-Apr-23	09:32	< 30	< 30
NO2 [as N mg/L]	25-Apr-23	13:38	< 3	< 3
NO3 [as N mg/L]	25-Apr-23	13:38	< 6	< 6
NO2+NO3 [as N mg/L]	25-Apr-23	13:38	< 6	< 6
Tot.Reactive P [mg/L]	21-Apr-23	08:10	0.08	0.06
Hg [mg/L]	22-Apr-23	12:14	< 0.00001	< 0.00001
Al [mg/L]	25-Apr-23	14:58	0.71	0.71
As [mg/L]	25-Apr-23	14:58	0.022	0.021
Ag [mg/L]	25-Apr-23	14:58	< 0.0005	< 0.0005
Ba [mg/L]	25-Apr-23	14:58	0.00417	0.00687
B [mg/L]	25-Apr-23	14:58	< 0.02	< 0.02
Be [mg/L]	25-Apr-23	14:58	0.00154	0.00149
Bi [mg/L]	25-Apr-23	14:58	0.00122	0.00528
Ca [mg/L]	25-Apr-23	14:58	5.0	8.4
Cd [mg/L]	25-Apr-23	14:58	0.00005	0.00005
Co [mg/L]	25-Apr-23	14:58	0.000466	0.000553

OnLine LIMS

0003341259

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11004-APR23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Cr [mg/L]	25-Apr-23	14:58	0.0024	0.0026
Cu [mg/L]	25-Apr-23	14:58	0.003	0.003
Fe [mg/L]	25-Apr-23	14:58	0.12	0.12
K [mg/L]	25-Apr-23	14:58	4.01	3.23
Li [mg/L]	25-Apr-23	14:58	0.030	0.028
Mg [mg/L]	25-Apr-23	14:58	0.10	0.14
Mn [mg/L]	25-Apr-23	14:58	0.0884	0.0869
Mo [mg/L]	25-Apr-23	14:58	< 0.0004	< 0.0004
Na [mg/L]	29-Apr-23	10:44	1430	1440
Ni [mg/L]	25-Apr-23	14:58	< 0.001	< 0.001
P [mg/L]	25-Apr-23	14:58	0.067	0.037
Pb [mg/L]	25-Apr-23	14:58	0.00155	0.00207
Sb [mg/L]	25-Apr-23	14:58	< 0.009	< 0.009
Se [mg/L]	25-Apr-23	14:58	0.0028	0.0024
Si [mg/L]	25-Apr-23	14:58	0.84	0.78
Sn [mg/L]	25-Apr-23	14:58	< 0.00006	< 0.00006
Sr [mg/L]	25-Apr-23	14:58	0.00872	0.00980
Ti [mg/L]	25-Apr-23	14:58	< 0.0005	< 0.0005
Tl [mg/L]	25-Apr-23	14:58	0.00170	0.00120
U [mg/L]	25-Apr-23	14:58	0.00367	0.00331
V [mg/L]	25-Apr-23	14:58	0.00006	0.00009
Zn [mg/L]	25-Apr-23	14:58	< 0.02	< 0.02

Extraction Fluid #1 - pH 4.93 ± 0.05
5.7mLs of acetic acid plus 64.3 mLs of 1.0N NaOH bulked to 1L with deionized water.

Extraction Fluid #2 - pH 2.88 ± 0.05
5.7 mLs of acetic acid bulked to 1L with deionized water.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LMS

0003341259

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

23-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 05 April 2023
LR Report: **CA11005-APR23**
Reference: Tailing Samples

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84	7: CV5-DMS-HC T-84	8:BLK: $SPLP1312 Blank #1
Sample Date & Time			N/A	N/A		
Sample weight [g]	19-Apr-23	16:19	20	20	20	---
Ext Fluid [#1 or #2]	19-Apr-23	16:19	1	1	1	1
Ext Volume [mL]	19-Apr-23	16:19	400	400	400	400
Final pH [no unit]	19-Apr-23	16:19	8.17	7.88	7.86	4.22
pH [No unit]	27-Apr-23	15:18	6.46	6.75	6.75	4.39
Conductivity [uS/cm]	27-Apr-23	15:18	21	16	16	20
Alkalinity [mg/L as CaCO3]	27-Apr-23	15:18	4	4	3	< 2
Acidity [mg/L as CaCO3]	27-Apr-23	15:18	< 2	< 2	< 2	4
F [mg/L]	20-Apr-23	09:07	0.16	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	27-Apr-23	16:20	< 20	< 20	< 20	< 20
Cl [mg/L]	27-Apr-23	16:20	< 20	< 20	< 20	< 20
Br [mg/L]	27-Apr-23	14:41	< 30	< 30	< 30	< 30
NO2 [as N mg/L]	27-Apr-23	14:41	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	27-Apr-23	14:41	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	27-Apr-23	14:41	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	20-Apr-23	10:13	0.04	0.04	0.04	< 0.03
Hg [mg/L]	20-Apr-23	17:52	0.00002	0.00001	0.00001	0.00002
Al [mg/L]	25-Apr-23	14:59	0.12	0.27	0.12	< 0.01
As [mg/L]	25-Apr-23	14:59	0.016	0.012	0.012	< 0.002
Ag [mg/L]	25-Apr-23	14:59	< 0.0005	< 0.0005	< 0.0005	0.0009
Ba [mg/L]	25-Apr-23	14:59	0.00028	0.00085	0.00032	0.00021
B [mg/L]	25-Apr-23	14:59	< 0.02	< 0.02	< 0.02	< 0.02
Be [mg/L]	25-Apr-23	14:59	< 0.00007	0.00008	< 0.00007	< 0.00007
Bi [mg/L]	25-Apr-23	14:59	0.00005	0.00037	0.00005	< 0.00001
Ca [mg/L]	25-Apr-23	14:59	1.6	1.2	1.0	< 0.1
Cd [mg/L]	25-Apr-23	14:59	< 0.00003	< 0.00003	< 0.00003	< 0.00003
Cr [mg/L]	25-Apr-23	14:59	< 0.0008	< 0.0008	< 0.0008	< 0.0008

OnLine LIMS

0003341264

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11005-APR23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84	7: CV5-DMS-HC T-84	8:BLK: $SPLP1312 Blank #1
Co [mg/L]	25-Apr-23	14:59	0.00012	0.00006	< 0.00004	< 0.00004
Cu [mg/L]	25-Apr-23	14:59	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	25-Apr-23	14:59	< 0.07	< 0.07	< 0.07	< 0.07
K [mg/L]	25-Apr-23	14:59	2.32	1.92	1.92	0.33
Li [mg/L]	25-Apr-23	14:59	0.023	0.018	0.021	< 0.001
Mg [mg/L]	25-Apr-23	14:59	0.06	0.08	0.04	< 0.01
Mn [mg/L]	25-Apr-23	14:59	0.0290	0.0105	0.0144	0.0002
Mo [mg/L]	25-Apr-23	14:59	0.0006	0.0035	< 0.0004	< 0.0004
Na [mg/L]	25-Apr-23	14:59	1.5	1.3	1.3	< 0.1
Ni [mg/L]	25-Apr-23	14:59	< 0.001	< 0.001	< 0.001	< 0.001
P [mg/L]	25-Apr-23	14:59	0.044	0.043	0.043	< 0.003
Pb [mg/L]	25-Apr-23	14:59	0.00011	0.00024	< 0.00009	< 0.00009
Sb [mg/L]	25-Apr-23	14:59	< 0.009	< 0.009	< 0.009	< 0.009
Se [mg/L]	25-Apr-23	14:59	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Si [mg/L]	25-Apr-23	14:59	0.87	0.93	0.77	< 0.02
Sn [mg/L]	25-Apr-23	14:59	0.00010	0.00014	0.00014	0.00006
Sr [mg/L]	25-Apr-23	14:59	0.00305	0.00280	0.00133	0.00024
Ti [mg/L]	25-Apr-23	14:59	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Tl [mg/L]	25-Apr-23	14:59	0.00053	0.00041	0.00033	< 0.00005
U [mg/L]	25-Apr-23	14:59	0.000624	0.000336	0.000251	< 0.000002
V [mg/L]	25-Apr-23	14:59	0.00011	0.00017	0.00012	0.00003
Zn [mg/L]	25-Apr-23	14:59	< 0.02	< 0.02	< 0.02	< 0.02

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003341264

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-March-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 13 February 2023
LR Report: **CA11005-FEB23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54	10: 68	11: 71
Sample Date & Time			N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	24-Feb-23	09:41	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	24-Feb-23	09:41	1	1	1	1	1	1	1
Ext Volume [mL]	24-Feb-23	09:41	400	400	400	400	400	400	400
pH [No unit]	28-Feb-23	09:42	4.99	5.26	5.41	5.55	4.97	4.94	4.94
Alkalinity [mg/L as CaCO3]	02-Mar-23	10:08	1650	2230	2530	2640	1630	1540	1480
Conductivity [uS/cm]	28-Feb-23	09:42	4830	5470	5770	5890	4800	4720	4640
Acidity [mg/L as CaCO3]	28-Feb-23	09:42	1770	1080	821	677	1750	1760	1780
F [mg/L]	27-Feb-23	12:35	4.88	0.14	< 0.06	< 0.06	2.51	0.33	0.11
Cl [mg/L]	08-Mar-23	09:33	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	14-Mar-23	17:09	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	08-Mar-23	09:33	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	08-Mar-23	09:33	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	08-Mar-23	09:33	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	08-Mar-23	09:33	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	24-Feb-23	14:17	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.44	0.22
Hg [mg/L]	06-Mar-23	13:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	08-Mar-23	15:14	4.05	0.53	0.30	0.24	3.18	0.48	0.55
As [mg/L]	08-Mar-23	15:14	0.040	0.049	0.002	0.009	0.040	0.091	0.110
Ag [mg/L]	08-Mar-23	15:14	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	08-Mar-23	15:14	0.0607	0.102	0.0906	0.0119	0.0731	0.00350	0.00623
B [mg/L]	08-Mar-23	15:14	0.04	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02
Be [mg/L]	08-Mar-23	15:14	0.00513	0.00252	0.00015	0.00129	0.00143	0.00180	0.00458
Bi [mg/L]	08-Mar-23	15:14	0.00006	< 0.00001	0.00003	0.00002	0.00013	0.0206	0.00029
Ca [mg/L]	08-Mar-23	15:14	47.3	244	367	416	39.4	11.6	8.0
Cd [mg/L]	09-Mar-23	16:53	0.00048	0.00032	0.00061	0.00063	0.00054	0.00047	0.00047
Cr [mg/L]	09-Mar-23	16:53	0.0097	0.0050	0.0019	0.0015	0.0111	0.0033	0.0044
Co [mg/L]	09-Mar-23	16:53	0.0239	0.0199	0.00360	0.0138	0.0162	0.00042	0.00147
Cu [mg/L]	08-Mar-23	15:15	0.004	< 0.002	0.009	< 0.002	< 0.002	< 0.002	0.002
Fe [mg/L]	08-Mar-23	15:15	2.83	3.25	4.68	1.57	3.25	0.07	0.16
K [mg/L]	08-Mar-23	15:15	3.23	6.74	3.44	1.24	5.84	3.92	3.10
Li [mg/L]	08-Mar-23	15:15	0.103	0.182	0.046	0.152	0.144	0.151	0.037
Mg [mg/L]	08-Mar-23	15:15	4.54	5.97	3.02	7.36	2.04	0.11	0.42
Mn [mg/L]	08-Mar-23	15:15	0.476	1.87	3.28	1.85	0.408	0.828	0.157
Mo [mg/L]	09-Mar-23	16:53	0.0007	< 0.0004	0.0005	0.0005	0.0010	0.0022	0.0024
Na [mg/L]	13-Mar-23	11:07	1250	1510	1280	1250	1280	1310	1270

OnLine LIMS

00032679930

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11005-FEB23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54	10: 68	11: 71
Ni [mg/L]	09-Mar-23	16:53	0.053	0.087	0.005	0.010	0.051	0.003	0.003
P [mg/L]	09-Mar-23	16:53	0.070	0.006	0.040	0.050	0.050	0.480	0.240
Pb [mg/L]	09-Mar-23	16:53	0.00151	0.0139	0.00055	0.00048	0.00525	0.00349	0.00139
Sb [mg/L]	08-Mar-23	15:16	0.014	0.052	< 0.009	< 0.009	0.012	0.016	0.015
Se [mg/L]	09-Mar-23	16:53	0.0064	0.0008	0.0056	0.0064	0.0056	0.0061	0.0055
Si [mg/L]	08-Mar-23	15:16	3.72	4.07	1.88	3.39	3.30	0.75	0.93
Sn [mg/L]	09-Mar-23	16:53	0.00041	< 0.00006	0.00009	0.00048	0.00010	0.00032	0.00025
Sr [mg/L]	09-Mar-23	16:53	0.0571	0.200	0.165	0.232	0.0476	0.0216	0.0337
Ti [mg/L]	09-Mar-23	16:53	0.0059	0.0006	0.0052	0.0061	0.0052	0.0054	0.0054
Tl [mg/L]	08-Mar-23	15:16	0.00091	0.00035	0.00014	0.00017	0.00036	0.00143	0.00089
U [mg/L]	08-Mar-23	15:16	0.01096	0.000969	0.000219	0.00193	0.00856	0.00750	0.0153
V [mg/L]	08-Mar-23	15:16	0.00063	0.00018	0.00008	0.00031	0.00064	0.00016	0.00021
Zn [mg/L]	08-Mar-23	15:16	< 0.02	0.03	0.02	< 0.02	0.02	< 0.02	< 0.02

Analysis	12: 72	13: 78	14: 81	15: 81	16:BLK: $Reg347/TCLP 1311 Blank#1
Sample Date & Time	N/A	N/A	N/A		
Sample weight [g]	20	20	20	20	---
Ext Fluid [#1 or #2]	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400
pH [No unit]	4.96	4.98	4.93	4.93	4.92
Alkalinity [mg/L as CaCO3]	1620	1560	1180	1170	1490
Conductivity [uS/cm]	4720	4810	4660	4710	4630
Acidity [mg/L as CaCO3]	1790	1670	1740	1420	1800
F [mg/L]	0.73	0.34	0.22	0.23	< 0.06
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	0.03	0.45	0.27	0.27	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	1.39	0.51	0.66	0.67	< 0.01
As [mg/L]	0.034	0.053	0.084	0.091	< 0.002
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.00577	0.00852	0.00283	0.00273	0.00030
B [mg/L]	0.09	< 0.02	< 0.02	< 0.02	< 0.02
Be [mg/L]	0.00947	0.00782	0.00204	0.00219	0.00011
Bi [mg/L]	0.0121	0.00577	0.00342	0.00449	0.00009
Ca [mg/L]	34.1	42.6	7.5	5.0	0.1
Cd [mg/L]	0.00049	0.00078	0.00048	0.00038	< 0.00003
Cr [mg/L]	0.0058	0.0065	0.0052	0.0059	0.0015
Co [mg/L]	0.00422	0.0109	0.00054	0.00056	0.00015
Cu [mg/L]	0.003	0.007	< 0.002	< 0.002	< 0.002
Fe [mg/L]	0.75	0.08	0.19	0.17	< 0.07
K [mg/L]	2.56	4.24	2.82	2.92	0.52
Li [mg/L]	0.032	0.256	0.297	0.298	< 0.001
Mg [mg/L]	0.60	0.88	0.17	0.15	0.01
Mn [mg/L]	0.179	1.29	0.683	0.717	0.0008

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11005-FEB23**

Analysis	12: 72	13: 78	14: 81	15: 81	16:BLK: $Reg347/TCLP 1311 Blank#1
Mo [mg/L]	0.0012	0.0033	0.0017	0.0022	0.0010
Na [mg/L]	1250	1270	1270	1280	1270
Ni [mg/L]	0.005	0.004	0.002	0.003	< 0.001
P [mg/L]	0.070	0.500	0.320	0.270	0.010
Pb [mg/L]	0.0231	0.00234	0.00137	0.00194	0.00019
Sb [mg/L]	0.010	< 0.009	0.011	0.012	< 0.009
Se [mg/L]	0.0060	0.0070	0.0048	0.0047	0.0011
Si [mg/L]	1.39	1.38	1.04	1.02	0.02
Sn [mg/L]	0.00026	0.00011	0.00015	0.00021	0.00067
Sr [mg/L]	0.0343	0.0580	0.0280	0.0226	0.00052
Ti [mg/L]	0.0049	0.0052	0.0045	0.0046	< 0.0005
Tl [mg/L]	0.00072	0.00122	0.00112	0.00104	< 0.00005
U [mg/L]	0.0446	0.00838	0.0217	0.0229	0.000029
V [mg/L]	0.00054	0.00035	0.00018	0.00021	0.00005
Zn [mg/L]	0.03	< 0.02	< 0.02	< 0.02	< 0.02

Extraction Fluid #1 - pH 4.93 ± 0.05
5.7mLs of acetic acid plus 64.3 mLs of 1.0N NaOH bulked to 1L with deionized water.

Extraction Fluid #2 - pH 2.88 ± 0.05
5.7 mLs of acetic acid bulked to 1L with deionized water.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003267930

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

23-May-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 05 April 2023
LR Report: **CA11006-APR23**
Reference: Tailing Samples

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Sample Date & Time			N/A	N/A
Sample weight [g]	28-Apr-23	17:22	100	100
Volume D.I. Water [mL]	28-Apr-23	17:22	400	400
pH [No unit]	28-Apr-23	11:19	9.20	8.82
Conductivity [uS/cm]	28-Apr-23	11:19	179	176
Alkalinity [mg/L as CaCO3]	28-Apr-23	11:19	65	61
Acidity [mg/L as CaCO3]	28-Apr-23	11:19	< 2	< 2
F [mg/L]	27-Apr-23	10:24	0.80	1.08
SO4 [mg/L]	29-Apr-23	08:26	< 20	< 20
Cl [mg/L]	29-Apr-23	08:26	< 20	20
Br [mg/L]	29-Apr-23	08:26	< 30	< 30
NO2 [as N mg/L]	29-Apr-23	08:26	< 3	< 3
NO3 [as N mg/L]	29-Apr-23	08:26	< 6	< 6
NO2+NO3 [as N mg/L]	29-Apr-23	08:26	< 6	< 6
Tot.Reactive P [mg/L]	27-Apr-23	08:24	0.90	0.85
Hg [mg/L]	28-Apr-23	17:58	< 0.00001	< 0.00001
Al [mg/L]	01-May-23	16:53	0.61	0.56
As [mg/L]	01-May-23	16:53	0.954	0.869
Ag [mg/L]	01-May-23	16:53	< 0.0005	< 0.0005
Ba [mg/L]	01-May-23	16:53	0.00224	0.00159
B [mg/L]	01-May-23	16:53	0.17	0.13
Be [mg/L]	01-May-23	16:53	0.00041	0.00073
Bi [mg/L]	01-May-23	16:53	0.00180	0.00183
Ca [mg/L]	01-May-23	16:53	1.2	1.1
Cd [mg/L]	01-May-23	16:53	< 0.00003	< 0.00003
Cr [mg/L]	01-May-23	16:53	0.0032	0.0023
Co [mg/L]	01-May-23	16:53	0.00006	0.00009
Cu [mg/L]	01-May-23	16:53	< 0.002	< 0.002

OnLine LIMS

0003341269

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11006-APR23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83	6: CV5-DMS-HCT-84
Fe [mg/L]	01-May-23	16:53	< 0.07	< 0.07
K [mg/L]	01-May-23	16:53	19.9	18.5
Li [mg/L]	01-May-23	16:53	0.277	0.362
Mg [mg/L]	01-May-23	16:53	0.66	0.12
Mn [mg/L]	01-May-23	16:53	0.0051	0.0082
Mo [mg/L]	01-May-23	16:53	0.0018	0.0028
Na [mg/L]	01-May-23	16:53	27.6	27.0
Ni [mg/L]	01-May-23	16:53	< 0.001	< 0.001
P [mg/L]	01-May-23	16:53	0.507	0.444
Pb [mg/L]	01-May-23	16:53	0.00080	0.00091
Sb [mg/L]	01-May-23	16:53	0.141	0.135
Se [mg/L]	01-May-23	16:53	< 0.0004	< 0.0004
Si [mg/L]	01-May-23	16:53	14.1	10.3
Sn [mg/L]	01-May-23	16:53	0.00023	0.00025
Sr [mg/L]	01-May-23	16:53	0.00361	0.00335
Ti [mg/L]	01-May-23	16:53	0.0010	0.0009
Tl [mg/L]	01-May-23	16:53	0.00250	0.00309
U [mg/L]	01-May-23	16:53	0.00911	0.0192
V [mg/L]	01-May-23	16:53	0.00291	0.00203
Zn [mg/L]	01-May-23	16:53	< 0.02	< 0.02

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003341269

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

20-March-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 13 February 2023
LR Report: **CA11006-FEB23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 1	6: 2	7: 3	8: 4	9: 5	10: 6	11: 7
Sample Date & Time			N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	22-Feb-23	15:06	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	22-Feb-23	15:06	1	1	1	1	1	1	1
Ext Volume [mL]	22-Feb-23	15:06	400	400	400	400	400	400	400
pH [No unit]	24-Feb-23	12:32	5.28	5.07	5.73	5.00	5.11	7.14	5.69
Alkalinity [mg/L as CaCO3]	27-Feb-23	11:20	2200	1780	2720	1600	1830	3270	2680
Conductivity [uS/cm]	23-Feb-23	12:20	5540	5090	6190	4880	5160	6660	5990
Acidity [mg/L as CaCO3]	27-Feb-23	11:49	1040	1470	496	1640	1440	813	1370
F [mg/L]	23-Feb-23	13:16	< 0.06	< 0.06	< 0.06	< 0.06	0.58	< 0.06	< 0.06
Cl [mg/L]	20-Mar-23	16:07	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	20-Mar-23	16:07	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	20-Mar-23	16:07	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	20-Mar-23	16:07	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	20-Mar-23	16:07	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	20-Mar-23	16:07	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	24-Feb-23	08:50	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	06-Mar-23	13:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	09-Mar-23	09:41	0.46	1.10	0.09	0.84	1.31	< 0.01	0.07
As [mg/L]	09-Mar-23	09:41	< 0.002	0.015	< 0.002	0.011	0.173	< 0.002	0.002
Ag [mg/L]	09-Mar-23	09:41	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	09-Mar-23	09:41	0.261	0.0868	0.333	0.0273	0.0435	0.0201	0.0172
B [mg/L]	09-Mar-23	09:41	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Be [mg/L]	09-Mar-23	09:41	< 0.00007	0.00051	< 0.00007	0.00016	0.00054	< 0.00007	< 0.00007
Bi [mg/L]	09-Mar-23	09:42	0.00002	0.00001	< 0.00001	0.00002	0.00002	0.00001	0.00002
Ca [mg/L]	09-Mar-23	09:42	235	75.9	464	12.5	110	690	451
Cd [mg/L]	09-Mar-23	09:42	0.00029	0.00015	0.00033	< 0.00003	0.00015	0.00039	0.00011
Cr [mg/L]	09-Mar-23	09:42	0.0085	0.0148	< 0.0008	0.0109	0.0141	< 0.0008	< 0.0008
Co [mg/L]	09-Mar-23	09:42	0.00457	0.0150	0.00442	0.00689	0.0276	0.00379	0.0132
Cu [mg/L]	09-Mar-23	09:42	< 0.002	< 0.002	< 0.002	0.005	0.007	< 0.002	0.012
Fe [mg/L]	09-Mar-23	09:42	5.89	6.79	11.2	1.85	2.43	0.15	1.66
K [mg/L]	09-Mar-23	09:42	15.2	6.45	11.8	2.78	3.27	1.15	2.04
Li [mg/L]	09-Mar-23	09:43	0.092	0.098	0.095	0.061	0.165	0.018	0.025
Mg [mg/L]	09-Mar-23	09:43	2.73	3.48	4.01	3.16	3.70	4.08	3.81
Mn [mg/L]	09-Mar-23	09:43	2.54	0.591	5.91	0.166	0.739	6.86	2.79
Mo [mg/L]	09-Mar-23	09:43	0.0004	< 0.0004	0.0009	< 0.0004	< 0.0004	0.0011	0.0006
Na [mg/L]	09-Mar-23	09:43	1360	1400	1440	1450	1300	1420	1270

OnLine LIMS

0003270796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 1	6: 2	7: 3	8: 4	9: 5	10: 6	11: 7
Ni [mg/L]	09-Mar-23	09:43	0.020	0.054	0.004	0.009	0.312	0.009	0.028
P [mg/L]	09-Mar-23	09:43	< 0.003	< 0.003	0.037	< 0.003	0.006	< 0.003	< 0.003
Pb [mg/L]	09-Mar-23	09:43	0.00092	0.00955	0.00010	0.00028	0.00076	< 0.00009	0.00021
Sb [mg/L]	09-Mar-23	09:43	< 0.009	< 0.009	< 0.009	< 0.009	0.054	< 0.009	< 0.009
Se [mg/L]	09-Mar-23	09:43	< 0.0004	0.0017	0.0013	0.0011	< 0.0004	0.0010	< 0.0004
Si [mg/L]	09-Mar-23	09:43	2.27	2.86	1.48	2.42	2.80	1.38	2.00
Sn [mg/L]	09-Mar-23	09:44	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00008
Sr [mg/L]	09-Mar-23	09:44	0.0956	0.0815	0.170	0.0161	0.0820	0.231	0.132
Ti [mg/L]	09-Mar-23	09:44	0.0017	0.0006	< 0.0005	0.0010	< 0.0005	< 0.0005	< 0.0005
Tl [mg/L]	09-Mar-23	09:44	0.00007	0.00033	0.00013	0.00012	0.00065	< 0.00005	< 0.00005
U [mg/L]	09-Mar-23	09:44	0.000054	0.00116	0.000084	0.00157	0.000167	0.000166	0.000810
V [mg/L]	09-Mar-23	09:44	0.00150	0.00034	0.00033	0.00119	0.00055	0.00011	0.00008
Zn [mg/L]	09-Mar-23	09:44	0.03	0.04	0.03	0.02	0.03	< 0.02	< 0.02

Analysis	12: 8	13: 9	14: 10	15: 11	16: 12	17: 13	18: 14	19: 15	20: 16
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
pH [No unit]	5.05	5.05	5.03	5.79	6.96	5.65	5.37	7.11	5.22
Alkalinity [mg/L as CaCO3]	1660	1770	1660	2800	3250	2620	2300	3240	2070
Conductivity [uS/cm]	4820	5010	4970	5920	6540	5880	5310	6590	5100
Acidity [mg/L as CaCO3]	2390	1510	1560	1270	911	1240	1720	746	2000
F [mg/L]	0.12	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	0.24
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	1.12	0.99	0.90	0.09	< 0.01	0.15	0.37	< 0.01	0.82
As [mg/L]	< 0.002	< 0.002	0.008	0.008	< 0.002	0.013	0.007	0.013	0.002
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.0124	0.00645	0.0477	0.0251	0.0164	0.0227	0.0129	0.0232	0.256
B [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02
Be [mg/L]	< 0.00007	< 0.00007	0.00007	0.00026	< 0.00007	0.00139	0.00024	< 0.00007	0.00021
Bi [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002	0.00003	0.00001	0.00007
Ca [mg/L]	55.5	61.6	46.3	500	661	432	309	668	191
Cd [mg/L]	0.00010	< 0.00003	< 0.00003	0.00014	0.00027	0.00022	0.00015	0.00031	0.00190
Cr [mg/L]	0.0067	0.0068	0.0031	0.0008	< 0.0008	0.0011	0.0044	< 0.0008	0.0061
Co [mg/L]	0.0171	0.00295	0.00793	0.00496	0.00318	0.00962	0.0105	0.00396	0.0122
Cu [mg/L]	0.046	0.013	0.012	< 0.002	< 0.002	< 0.002	0.007	< 0.002	< 0.002
Fe [mg/L]	2.34	2.23	3.85	3.31	0.55	2.03	3.32	0.23	14.3
K [mg/L]	1.19	0.89	1.75	1.74	1.68	2.22	1.03	2.00	13.1
Li [mg/L]	0.027	0.004	0.033	0.043	0.008	0.070	0.025	0.019	0.124
Mg [mg/L]	2.24	1.82	2.46	2.69	2.73	5.18	2.89	3.61	1.91
Mn [mg/L]	0.288	0.214	0.264	2.83	4.00	3.03	1.92	4.16	2.37

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	12: 8	13: 9	14: 10	15: 11	16: 12	17: 13	18: 14	19: 15	20: 16
Mo [mg/L]	< 0.0004	< 0.0004	0.0014	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0013	< 0.0004
Na [mg/L]	1260	1290	1290	1460	1430	1430	1300	1240	1290
Ni [mg/L]	0.032	0.009	0.009	0.026	0.012	0.021	0.019	0.015	0.110
P [mg/L]	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Pb [mg/L]	0.00013	0.00018	0.00030	0.00022	< 0.00009	0.00013	0.00101	0.00012	0.960
Sb [mg/L]	< 0.009	< 0.009	< 0.009	0.020	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
Se [mg/L]	< 0.0004	0.0007	0.0018	0.0007	0.0005	0.0010	0.0025	0.0011	0.0016
Si [mg/L]	3.02	2.89	2.74	1.59	1.32	2.49	1.98	1.66	1.82
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007	< 0.00006	0.00016	0.00008	< 0.00006
Sr [mg/L]	0.0337	0.0210	0.0294	0.150	0.171	0.193	0.0906	0.180	0.0793
Ti [mg/L]	0.0006	0.0007	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0007	< 0.0005	< 0.0005
Tl [mg/L]	< 0.00005	< 0.00005	< 0.00005	0.00006	< 0.00005	0.00006	< 0.00005	< 0.00005	0.00077
U [mg/L]	0.000060	0.000040	0.000348	0.000051	0.000091	0.000101	0.000100	0.000082	0.000495
V [mg/L]	0.00088	0.00150	0.00057	0.00035	0.00006	0.00028	0.00045	0.00011	0.00010
Zn [mg/L]	0.03	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	1.26

Analysis	21: 17	22: 18	23: 19	24: 20	25: 21	26: 22	27: 23	28: 24	29: 25
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
pH [No unit]	5.16	5.23	5.28	5.10	6.47	5.09	5.04	5.07	5.08
Alkalinity [mg/L as CaCO3]	1910	2030	2180	1770	3000	1850	1670	1820	1800
Conductivity [uS/cm]	5070	5110	5290	4930	6260	5090	4760	4790	4680
Acidity [mg/L as CaCO3]	2150	1850	1780	2240	1020	1420	2450	2330	2170
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	0.32	< 0.06	< 0.06	< 0.06
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	32	< 20	< 20	26	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.04
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.56	0.72	0.51	0.70	< 0.01	1.17	0.77	0.91	0.62
As [mg/L]	0.008	0.015	< 0.002	< 0.002	0.129	0.053	0.002	0.003	0.179
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.275	0.0436	0.0168	0.744	0.455	0.0165	0.132	0.673	0.195
B [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.07
Be [mg/L]	< 0.00007	0.00115	< 0.00007	< 0.00007	< 0.00007	0.00138	0.00045	< 0.00007	0.00009
Bi [mg/L]	0.00002	< 0.00001	< 0.00001	0.00002	0.00002	< 0.00001	0.00002	< 0.00001	0.00004
Ca [mg/L]	145	209	255	76.6	571	94.5	37.6	80.4	82.4
Cd [mg/L]	0.00042	0.00033	0.00025	0.00008	0.00023	0.00015	0.00025	0.00017	< 0.00003
Cr [mg/L]	0.0040	0.0057	0.0063	0.0088	< 0.0008	0.0268	0.0081	0.0059	0.0459
Co [mg/L]	0.0165	0.0195	0.00455	0.02470	0.00487	0.02442	0.04246	0.00273	0.00863
Cu [mg/L]	< 0.002	0.021	0.005	< 0.002	< 0.002	0.003	< 0.002	< 0.002	< 0.002
Fe [mg/L]	29.5	1.99	1.74	52.9	5.90	2.22	32.1	4.79	2.26
K [mg/L]	21.7	3.28	0.93	25.6	13.3	1.71	8.78	14.7	8.12
Li [mg/L]	0.129	0.058	0.011	0.176	0.037	0.099	0.085	0.038	0.053

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11006-FEB23**

Analysis	21: 17	22: 18	23: 19	24: 20	25: 21	26: 22	27: 23	28: 24	29: 25
Mg [mg/L]	1.57	3.27	1.65	1.63	5.95	5.59	3.69	1.66	3.20
Mn [mg/L]	1.92	0.893	1.95	0.466	6.73	0.377	0.610	0.817	0.230
Mo [mg/L]	0.0017	0.0005	0.0006	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0010	0.0032
Na [mg/L]	1290	1390	1400	1410	1280	1270	1290	1300	1280
Ni [mg/L]	0.201	0.049	0.020	0.058	0.145	0.066	0.127	0.004	0.244
P [mg/L]	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Pb [mg/L]	0.0772	0.00172	0.00012	0.00105	< 0.00009	0.00634	0.00448	0.00179	0.00122
Sb [mg/L]	0.022	0.013	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
Se [mg/L]	0.0011	0.0006	< 0.0004	< 0.0004	0.0017	0.0010	0.0014	0.0018	0.0015
Si [mg/L]	1.57	2.69	1.82	2.42	1.36	3.34	2.57	1.79	1.93
Sn [mg/L]	< 0.00006	< 0.00006	0.00009	< 0.00006	0.00015	0.00007	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0886	0.0792	0.104	0.0451	0.259	0.0740	0.0529	0.0776	0.0540
Ti [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0009	< 0.0005
Tl [mg/L]	0.00023	0.00022	< 0.00005	< 0.00005	0.00012	0.00011	0.00020	0.00007	0.00017
U [mg/L]	0.000118	0.00101	0.000094	0.000338	0.000066	0.00171	0.00563	0.00148	0.00310
V [mg/L]	0.00004	0.00047	0.00082	< 0.00001	0.00001	0.00039	0.00004	0.00191	0.00086
Zn [mg/L]	0.22	0.03	0.03	0.03	0.02	0.03	0.06	0.03	0.02

Analysis	30: 26	31: 27	32: 31	33: 32	34: 33	35: 34	36: 35	37: 36	38: 37
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
pH [No unit]	5.29	5.33	5.04	5.48	6.18	5.05	5.11	5.35	5.61
Alkalinity [mg/L as CaCO3]	2140	2220	1650	2420	3010	1720	1820	2290	2610
Conductivity [uS/cm]	5330	5380	4790	5690	6130	4710	4950	5470	5890
Acidity [mg/L as CaCO3]	1800	1660	2400	1480	1070	2340	2070	1760	1530
F [mg/L]	< 0.06	< 0.06	2.41	< 0.06	< 0.06	4.19	< 0.06	0.27	2.40
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.09	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.64	0.40	2.93	0.21	< 0.01	4.24	0.83	0.19	1.77
As [mg/L]	< 0.002	0.005	0.047	0.003	< 0.002	0.040	0.008	5.80	0.995
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.0704	0.0238	0.118	0.160	0.293	0.117	0.260	0.0543	0.0345
B [mg/L]	0.02	< 0.02	0.03	< 0.02	< 0.02	0.03	< 0.02	0.06	0.13
Be [mg/L]	0.00007	0.00023	0.00106	< 0.00007	< 0.00007	0.00135	0.00009	0.00287	0.00567
Bi [mg/L]	< 0.00001	0.00002	< 0.00001	0.00002	0.00002	0.00002	< 0.00001	0.00002	0.00003
Ca [mg/L]	256	289	47.6	365	565	47.8	109	210	429
Cd [mg/L]	0.00009	0.00008	0.00012	0.00023	0.00022	0.00024	0.00031	0.00040	0.00101
Cr [mg/L]	0.0072	0.0066	0.0154	0.0012	< 0.0008	0.0061	0.0071	0.0422	0.0019
Co [mg/L]	0.00373	0.02698	0.00872	0.00395	0.00468	0.0111	0.00508	0.0483	0.0300
Cu [mg/L]	< 0.002	0.012	< 0.002	0.004	< 0.002	< 0.002	< 0.002	< 0.002	0.016
Fe [mg/L]	3.52	3.46	5.97	9.14	7.43	8.05	5.39	7.02	1.68

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	30: 26	31: 27	32: 31	33: 32	34: 33	35: 34	36: 35	37: 36	38: 37
K [mg/L]	2.01	2.08	10.6	6.90	12.5	10.1	16.3	2.71	4.38
Li [mg/L]	0.052	0.021	0.231	0.035	0.101	0.306	0.181	0.038	0.122
Mg [mg/L]	2.90	3.09	2.21	3.57	5.01	2.08	2.09	49.2	2.51
Mn [mg/L]	1.13	1.48	0.568	3.40	6.17	0.620	1.28	2.07	3.95
Mo [mg/L]	< 0.0004	< 0.0004	0.0041	0.0005	0.0014	0.0023	0.0012	0.0012	0.0025
Na [mg/L]	1410	1290	1270	1310	1340	1310	1280	1280	1420
Ni [mg/L]	0.013	0.054	0.016	0.003	0.003	0.022	0.010	6.62	0.230
P [mg/L]	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Pb [mg/L]	0.00031	0.00147	0.00105	0.00011	0.00022	0.00876	0.00194	0.00096	0.00054
Sb [mg/L]	< 0.009	< 0.009	0.010	< 0.009	< 0.009	0.016	< 0.009	1.10	0.205
Se [mg/L]	< 0.0004	< 0.0004	0.0018	0.0008	0.0027	0.0028	0.0023	0.0009	< 0.0004
Si [mg/L]	2.34	2.36	3.60	1.57	1.29	4.20	2.43	2.78	2.21
Sn [mg/L]	0.00008	0.00014	< 0.00006	< 0.00006	0.00018	< 0.00006	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	0.0673	0.113	0.144	0.146	0.176	0.0532	0.0491	0.113	0.256
Ti [mg/L]	< 0.0005	< 0.0005	0.0015	< 0.0005	< 0.0005	0.0017	0.0016	< 0.0005	< 0.0005
Tl [mg/L]	< 0.00005	< 0.00005	0.00088	0.00008	0.00018	0.00207	0.00009	0.00053	0.00190
U [mg/L]	0.000020	0.00236	0.00481	0.000096	0.000041	0.00429	0.00280	0.000651	0.00387
V [mg/L]	0.00063	0.00040	0.00362	0.00046	0.00004	0.00202	0.00178	0.00059	0.00032
Zn [mg/L]	< 0.02	0.03	0.03	0.02	0.02	0.04	0.03	0.02	0.03

Analysis	39: 38	40: 39	41: 40	42: 41	43: 42	44: 43	45: 44	46: 45	47: 46
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
pH [No unit]	4.96	4.98	5.02	4.97	4.99	4.99	5.09	5.04	5.13
Alkalinity [mg/L as CaCO3]	1640	1670	1550	1780	1480	1680	1880	4650	1960
Conductivity [uS/cm]	4910	4950	5050	4970	4970	4970	5280	5190	5380
Acidity [mg/L as CaCO3]	1700	1720	1970	1640	1790	1660	1380	4620	1340
F [mg/L]	0.37	1.24	0.51	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	1.21	2.18	1.72	1.19	1.15	1.38	0.80	0.81	0.75
As [mg/L]	0.005	0.023	0.007	0.003	0.003	0.002	0.007	0.004	0.004
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.0305	0.0547	0.0769	0.0595	0.0845	0.217	0.190	0.288	0.483
B [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.02
Be [mg/L]	0.00751	0.00200	0.00058	0.00063	0.00034	0.00031	0.00033	0.00016	0.00014
Bi [mg/L]	0.00010	0.00006	0.00002	0.00005	0.00003	0.00005	0.00004	0.00006	0.00004
Ca [mg/L]	14.0	33.4	69.3	30.2	45.5	43.9	139	100	170
Cd [mg/L]	0.00078	0.00061	0.00048	0.00043	0.00059	0.00034	0.00040	0.00044	0.00046
Cr [mg/L]	0.0055	0.0122	0.0139	0.0139	0.0084	0.0832	0.0131	0.0142	0.0146
Co [mg/L]	0.00843	0.0173	0.0120	0.00735	0.00979	0.0119	0.00455	0.00268	0.00309

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	39: 38	40: 39	41: 40	42: 41	43: 42	44: 43	45: 44	46: 45	47: 46
Cu [mg/L]	0.044	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	1.84	2.13	4.35	2.29	3.31	5.50	2.21	3.06	5.30
K [mg/L]	3.59	4.17	4.36	5.33	7.49	13.0	7.99	13.2	19.3
Li [mg/L]	0.135	0.111	0.123	0.064	0.070	0.103	0.100	0.007	0.013
Mg [mg/L]	2.91	3.54	1.47	3.42	2.62	2.30	0.64	0.63	1.00
Mn [mg/L]	0.287	0.414	0.637	0.476	0.914	0.428	1.16	1.31	2.51
Mo [mg/L]	0.0006	0.0006	0.0015	0.0018	0.0006	0.0009	0.0029	0.0032	0.0035
Na [mg/L]	1380	1310	1290	1310	1330	1270	1280	1330	1280
Ni [mg/L]	0.007	0.070	0.020	0.012	0.021	0.026	0.005	0.005	0.005
P [mg/L]	0.010	0.050	0.060	0.070	0.050	0.060	0.080	0.080	0.060
Pb [mg/L]	0.00454	0.141	0.00111	0.00773	0.0364	0.00132	0.00486	0.00402	0.00151
Sb [mg/L]	< 0.009	0.020	0.011	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
Se [mg/L]	< 0.0004	0.0045	0.0062	0.0057	0.0051	0.0037	0.0046	0.0052	0.0050
Si [mg/L]	2.79	2.63	2.39	2.65	2.04	2.57	1.45	1.46	1.66
Sn [mg/L]	0.00011	0.00011	0.00013	0.00013	< 0.00006	0.00031	0.00008	0.00049	0.00017
Sr [mg/L]	0.0744	0.0556	0.0635	0.0796	0.0689	0.0776	0.107	0.0962	0.139
Ti [mg/L]	< 0.0005	0.0049	0.0055	0.0056	0.0047	0.0050	0.0078	0.0055	0.0065
Tl [mg/L]	0.00038	0.00040	0.00020	0.00007	0.00011	0.00020	0.00017	0.00017	0.00020
U [mg/L]	0.006076	0.00514	0.00375	0.00194	0.00215	0.00175	0.00558	0.00338	0.00378
V [mg/L]	0.00011	0.00054	0.00093	0.00041	0.00012	0.00016	0.00261	0.00408	0.00393
Zn [mg/L]	< 0.02	0.06	< 0.02	< 0.02	0.05	0.02	< 0.02	< 0.02	< 0.02

Analysis	48: 47	49: 49	50: 50	51: 51	52: 52	53: 53	54: 55	55: 56	56: 57
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
pH [No unit]	4.97	4.98	5.01	4.96	5.11	5.10	5.29	5.70	5.76
Alkalinity [mg/L as CaCO3]	1540	1620	1620	1520	1890	1830	2270	2910	2800
Conductivity [uS/cm]	4940	5040	5060	4950	5340	5350	5740	6600	6440
Acidity [mg/L as CaCO3]	1680	1870	1660	1710	1390	1390	964	283	552
F [mg/L]	< 0.06	3.67	0.32	< 0.06	< 0.06	0.23	0.12	< 0.06	< 0.06
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.06	0.06	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.93	4.39	1.52	1.01	0.99	0.69	0.25	0.03	0.04
As [mg/L]	0.002	0.029	0.075	0.009	0.004	0.611	1.72	0.020	0.004
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.313	0.117	0.0822	0.0577	0.160	0.500	0.291	0.263	0.178
B [mg/L]	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Be [mg/L]	0.00019	0.00148	0.00125	0.00116	0.00020	0.00008	0.00010	0.00009	0.00011
Bi [mg/L]	0.00003	0.00005	0.00025	0.00006	0.00002	0.00004	0.00007	0.00007	0.00004
Ca [mg/L]	18.3	29.4	59.4	20.1	161	141	295	519	481
Cd [mg/L]	0.00063	0.00054	0.00108	0.00036	0.00065	0.00076	0.00051	0.00053	0.00067

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	48: 47	49: 49	50: 50	51: 51	52: 52	53: 53	54: 55	55: 56	56: 57
Cr [mg/L]	0.0274	0.0096	0.0065	0.0073	0.0130	0.0054	0.0388	0.0015	0.0023
Co [mg/L]	0.0175	0.0111	0.0813	0.0170	0.00617	0.00443	0.0101	0.00328	0.00346
Cu [mg/L]	< 0.002	< 0.002	0.026	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	5.50	6.25	2.46	1.74	4.52	4.77	2.35	3.45	3.39
K [mg/L]	12.8	12.0	7.19	3.97	9.07	19.6	5.14	10.9	6.03
Li [mg/L]	0.029	0.446	0.150	0.072	0.096	0.086	0.045	0.055	0.046
Mg [mg/L]	1.98	4.34	2.07	2.08	2.46	1.59	5.27	3.76	3.03
Mn [mg/L]	0.345	0.479	0.328	0.470	2.65	2.70	2.42	6.57	4.06
Mo [mg/L]	0.0040	0.0017	0.0007	0.0011	0.0039	0.0025	0.0014	0.0005	0.0012
Na [mg/L]	1280	1290	1290	1310	1320	1300	1330	1270	1290
Ni [mg/L]	0.039	0.017	0.168	0.020	0.015	0.005	1.72	0.025	0.010
P [mg/L]	0.060	0.070	0.050	0.040	0.060	0.060	0.070	0.040	0.050
Pb [mg/L]	0.00802	0.00082	0.0242	0.0102	0.00804	0.00221	0.00238	0.00101	0.00217
Sb [mg/L]	< 0.009	< 0.009	0.091	< 0.009	< 0.009	< 0.009	0.015	< 0.009	< 0.009
Se [mg/L]	0.0046	0.0049	0.0036	0.0030	0.0048	0.0031	0.0047	0.0042	0.0044
Si [mg/L]	2.22	5.08	2.34	1.88	2.24	1.51	2.07	1.43	1.24
Sn [mg/L]	0.00009	0.00018	0.00014	0.00022	0.00014	< 0.00006	< 0.00006	0.00011	0.00013
Sr [mg/L]	0.0174	0.0629	0.0399	0.0445	0.0999	0.0817	0.103	0.192	0.250
Ti [mg/L]	0.0061	0.0073	0.0046	0.0042	0.0058	0.0037	0.0047	0.0038	0.0038
Tl [mg/L]	0.00011	0.00430	0.00085	0.00010	0.00024	0.00019	0.00012	0.00019	0.00061
U [mg/L]	0.00382	0.00555	0.0159	0.00298	0.00375	0.00127	0.00209	0.000695	0.00187
V [mg/L]	0.00095	0.00147	0.00032	0.00062	0.00056	0.00252	0.00081	0.00003	0.00024
Zn [mg/L]	0.03	< 0.02	0.29	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02

Analysis	57: 58	58: 59	59: 60	60: 61	61: 62	62: 63	63: 64	64: 65	65: 66
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
pH [No unit]	5.58	5.03	5.56	5.77	6.56	4.97	4.95	4.94	4.94
Alkalinity [mg/L as CaCO3]	2640	1690	2570	2820	3160	1520	1540	1520	1480
Conductivity [uS/cm]	6200	5120	6190	6450	6790	5000	4910	4920	4900
Acidity [mg/L as CaCO3]	703	1580	654	529	176	1720	1850	1710	1780
F [mg/L]	< 0.06	< 0.06	0.12	< 0.06	0.16	< 0.06	0.25	0.10	0.08
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.04	< 0.03	0.05	0.07	0.24	0.46	0.13
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.09	1.01	0.09	0.05	< 0.01	0.69	0.81	0.44	0.57
As [mg/L]	1.02	0.074	7.58	1.76	4.43	0.068	0.091	0.045	0.063
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.0653	0.0179	0.0220	0.00888	0.0332	0.00600	0.00557	0.00551	0.00386
B [mg/L]	0.04	< 0.02	< 0.02	0.06	< 0.02	0.02	< 0.02	< 0.02	< 0.02
Be [mg/L]	0.00071	0.00021	0.00173	0.00051	0.00085	0.00706	0.00282	0.00169	0.00157
Bi [mg/L]	0.00019	0.00004	0.00005	0.00007	0.00006	0.04465	0.00014	0.00596	0.00263

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	57: 58	58: 59	59: 60	60: 61	61: 62	62: 63	63: 64	64: 65	65: 66
Ca [mg/L]	389	58.9	279	416	549	33.5	12.5	6.9	5.5
Cd [mg/L]	0.00044	0.00031	0.00047	0.00048	0.00042	0.00090	0.00040	0.00041	0.00033
Cr [mg/L]	0.0087	0.122	0.0211	0.0057	0.0014	0.0083	0.0036	0.0045	0.0054
Co [mg/L]	0.0282	0.0392	0.0534	0.0114	0.0463	0.00309	0.00225	0.00107	0.00350
Cu [mg/L]	< 0.002	0.026	< 0.002	< 0.002	< 0.002	0.009	0.003	0.003	0.003
Fe [mg/L]	1.81	2.72	7.31	2.73	< 0.07	0.11	0.31	0.13	0.07
K [mg/L]	3.69	1.52	3.39	0.93	1.46	4.65	6.53	4.16	4.13
Li [mg/L]	0.036	0.049	0.057	0.022	0.012	0.017	0.126	0.078	0.022
Mg [mg/L]	40.4	17.2	95.7	33.0	20.9	0.28	0.29	0.11	0.13
Mn [mg/L]	2.72	0.698	2.69	3.06	4.64	0.270	0.559	0.532	0.0754
Mo [mg/L]	0.0006	< 0.0004	0.0005	0.0007	0.0014	0.0032	0.0013	0.0010	0.0018
Na [mg/L]	1300	1320	1340	1290	1270	1310	1280	1280	1280
Ni [mg/L]	2.46	0.293	9.97	2.65	7.15	0.003	0.003	0.003	0.003
P [mg/L]	0.040	0.030	0.050	0.030	0.050	0.110	0.240	0.450	0.130
Pb [mg/L]	0.00124	0.00202	0.00052	0.00037	0.00015	0.00533	0.00368	0.00331	0.00146
Sb [mg/L]	0.267	< 0.009	2.27	0.250	4.06	0.011	0.015	< 0.009	< 0.009
Se [mg/L]	0.0029	0.0038	0.0045	0.0039	0.0035	0.0039	0.0037	0.0047	0.0044
Si [mg/L]	4.01	6.72	4.04	2.91	4.53	1.16	1.45	0.80	0.85
Sn [mg/L]	0.00011	0.00022	0.00020	< 0.00006	0.00016	0.00009	0.00014	0.00034	0.00009
Sr [mg/L]	0.243	0.157	0.134	0.220	0.218	0.0305	0.0227	0.0175	0.0149
Ti [mg/L]	0.0041	0.0038	0.0036	0.0044	0.0041	0.0041	0.0042	0.0044	0.0039
Tl [mg/L]	0.00058	0.00053	0.00179	0.00007	0.00059	0.00160	0.00247	0.00168	0.00143
U [mg/L]	0.00107	0.000210	0.000695	0.000333	0.00156	0.0167	0.00669	0.00283	0.00826
V [mg/L]	0.00034	0.00012	0.00038	0.00036	0.00035	0.00063	0.00016	0.00024	0.00022
Zn [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Analysis	66: 67	67: 69	68: 70	69: 73	70: 74	71: 75	72: 76	73: 77	74: 79
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400
pH [No unit]	4.94	4.98	4.97	4.94	4.94	4.95	4.97	4.95	4.94
Alkalinity [mg/L as CaCO3]	1450	1620	1570	1470	1460	1490	1560	1570	1530
Conductivity [uS/cm]	4880	5000	4870	4900	4870	4950	4980	4960	4890
Acidity [mg/L as CaCO3]	1870	1680	1760	1760	1790	1800	1700	1830	1760
F [mg/L]	< 0.06	0.18	0.18	0.13	0.21	0.07	0.15	0.33	0.11
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	0.08	0.14	0.13	0.07	0.62	0.08	0.30	1.07	0.40
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.46	0.53	0.48	0.66	0.59	0.56	0.53	0.54	0.46
As [mg/L]	0.013	0.036	0.029	0.031	0.167	0.069	0.019	0.042	0.031
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	0.00394	0.0159	0.00546	0.0117	0.00173	0.00182	0.00941	0.00297	0.00345
B [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	66: 67	67: 69	68: 70	69: 73	70: 74	71: 75	72: 76	73: 77	74: 79
Be [mg/L]	0.00096	0.01325	0.00807	0.00220	0.00153	0.00536	0.00857	0.01066	0.00248
Bi [mg/L]	0.00655	0.02216	0.00337	0.00836	0.00114	0.321	0.00972	0.00024	0.00210
Ca [mg/L]	3.0	43.2	30.1	5.2	4.2	15.4	30.2	13.9	7.8
Cd [mg/L]	0.00035	0.00058	0.00415	0.00037	0.00041	0.00044	0.00050	0.00061	0.00040
Cr [mg/L]	0.0061	0.0048	0.0048	0.0050	0.0036	0.0036	0.0047	0.0082	0.0042
Co [mg/L]	0.00087	0.00284	0.0126	0.00233	0.00079	0.00073	0.00438	0.00472	0.00353
Cu [mg/L]	0.003	0.014	1.84	0.006	< 0.002	< 0.002	0.004	0.007	0.003
Fe [mg/L]	< 0.07	0.12	0.21	0.09	0.14	< 0.07	0.29	0.21	0.12
K [mg/L]	3.88	2.30	1.88	4.24	2.91	2.05	4.41	2.72	4.29
Li [mg/L]	0.007	0.051	0.026	0.116	0.318	0.141	0.258	0.698	0.167
Mg [mg/L]	0.11	0.39	0.40	0.05	0.06	0.13	0.81	0.28	0.23
Mn [mg/L]	0.0359	0.245	0.202	0.240	1.15	0.544	0.967	3.09	0.719
Mo [mg/L]	0.0019	0.0013	0.0021	0.0016	0.0012	0.0036	0.0017	0.0041	0.0013
Na [mg/L]	1270	1310	1280	1260	1290	1300	1280	1300	1250
Ni [mg/L]	0.003	0.005	0.006	0.004	0.003	0.001	0.004	0.005	0.002
P [mg/L]	0.110	0.150	0.150	0.080	0.540	0.110	0.320	1.05	0.440
Pb [mg/L]	0.00214	0.00439	0.00756	0.00323	0.00083	0.00302	0.00429	0.00103	0.00226
Sb [mg/L]	< 0.009	< 0.009	0.009	0.009	0.029	0.023	< 0.009	0.010	< 0.009
Se [mg/L]	0.0038	0.0040	0.0052	0.0050	0.0048	0.0042	0.0043	0.0036	0.0055
Si [mg/L]	0.75	1.07	0.81	0.93	0.94	0.83	1.54	1.30	0.93
Sn [mg/L]	0.00013	0.00013	0.00024	0.00016	0.00020	0.00009	0.00013	0.00015	0.00031
Sr [mg/L]	0.0118	0.0506	0.0314	0.0187	0.0126	0.0260	0.0564	0.0478	0.0200
Ti [mg/L]	0.0047	0.0040	0.0048	0.0038	0.0039	0.0040	0.0039	0.0033	0.0047
Tl [mg/L]	0.00140	0.00057	0.00064	0.00095	0.00147	0.00081	0.00091	0.00145	0.00130
U [mg/L]	0.000886	0.0193	0.0105	0.124	0.0129	0.0102	0.00442	0.0414	0.0190
V [mg/L]	0.00013	0.00019	0.00040	0.00001	0.00010	0.00013	0.00017	0.00022	0.00006
Zn [mg/L]	< 0.02	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Analysis	75: 80	76: 82	77: 21	78:BLK: $Reg347/TCLP 1311 Blank#1	79: 56	80:BLK: $Reg347/TCLP 1311 Blank#1
Sample Date & Time	N/A	N/A				
Sample weight [g]	20	20	20	---	20	---
Ext Fluid [#1 or #2]	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400
pH [No unit]	4.95	5.01	5.24	4.97	5.68	4.94
Alkalinity [mg/L as CaCO3]	1570	1640	2020	1450	2400	1540
Conductivity [uS/cm]	4880	5150	5550	4550	6010	4830
Acidity [mg/L as CaCO3]	1710	1600	2120	2570	708	1680
F [mg/L]	0.12	0.40	< 0.06	0.16	< 0.06	< 0.06
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6
NO2+NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30
Tot.Reactive P [mg/L]	0.07	0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.69	1.65	0.54	< 0.01	0.16	< 0.01
As [mg/L]	0.102	0.010	0.005	< 0.002	0.335	< 0.002
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005

OnLine LIMS

00032707796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11006-FEB23

Analysis	75: 80	76: 82	77: 21	78:BLK: $Reg347/TCLP 1311 Blank#1	79: 56	80:BLK: $Reg347/TCLP 1311 Blank#1
Ba [mg/L]	0.00697	0.00997	0.267	0.00016	0.161	0.00044
B [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Be [mg/L]	0.00779	0.00674	0.00008	< 0.00007	0.00023	< 0.00007
Bi [mg/L]	0.00888	0.00115	< 0.00001	0.00006	0.00005	0.00007
Ca [mg/L]	13.5	59.0	199	< 0.1	381	0.2
Cd [mg/L]	0.00142	0.00060	0.00052	< 0.00003	0.00059	0.00033
Cr [mg/L]	0.0047	0.0053	0.0046	0.0024	0.0069	0.0039
Co [mg/L]	0.0161	0.00634	0.0165	0.00006	0.0122	0.00007
Cu [mg/L]	0.047	0.014	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	0.34	0.44	26.4	< 0.07	3.21	< 0.07
K [mg/L]	4.94	10.4	21.5	0.52	5.55	0.50
Li [mg/L]	0.074	0.174	0.124	< 0.001	0.049	< 0.001
Mg [mg/L]	0.76	0.42	1.80	< 0.01	15.5	0.01
Mn [mg/L]	0.318	0.602	2.53	< 0.0001	2.99	0.0010
Mo [mg/L]	0.0017	0.0013	0.0012	< 0.0004	0.0009	0.0006
Na [mg/L]	1280	1250	1440	1470	1270	1340
Ni [mg/L]	0.026	0.003	0.193	< 0.001	0.810	0.002
P [mg/L]	0.070	0.050	< 0.003	< 0.003	0.040	0.080
Pb [mg/L]	0.0176	0.00735	0.07963	< 0.00009	0.00271	0.00013
Sb [mg/L]	< 0.009	< 0.009	0.025	< 0.009	0.087	< 0.009
Se [mg/L]	0.0037	0.0046	0.0013	0.0019	0.0055	0.0040
Si [mg/L]	1.39	3.14	1.66	< 0.02	2.26	0.02
Sn [mg/L]	0.00018	0.00025	< 0.00006	0.00006	0.00012	0.00015
Sr [mg/L]	0.0321	0.0418	0.111	0.00019	0.216	0.00066
Ti [mg/L]	0.0037	0.0048	< 0.0005	< 0.0005	0.0062	0.0041
Tl [mg/L]	0.00117	0.00289	0.00033	< 0.00005	0.00067	< 0.00005
U [mg/L]	0.00775	0.0330	0.000133	0.000015	0.00211	0.000038
V [mg/L]	0.00032	0.00039	0.00003	0.00003	0.00045	0.00011
Zn [mg/L]	0.04	< 0.02	0.25	< 0.02	< 0.02	< 0.02

Extraction Fluid #1 - pH 4.93 ± 0.05
5.7mLs of acetic acid plus 64.3 mLs of 1.0N NaOH bulked to 1L with deionized water.

Extraction Fluid #2 - pH 2.88 ± 0.05
5.7 mLs of acetic acid bulked to 1L with deionized water.

Catharine Arnold

CHARTERED CHEMICAL PROFESSION OF ONTARIO CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003270796

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-April-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 10 April 2023
LR Report: **CA11010-APR23**
Reference: Corvette Lithium Project

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HC T-2	6: CV5-WR-HC T-5	7: CV5-WR-HCT -5 (DUP)	8: CV5-WR-HC T-14
C [%]	13-Apr-23	13:20	20-Apr-23	13:56	0.658	0.077	0.233	0.275
S [%]	13-Apr-23	13:20	20-Apr-23	13:56	0.973	0.534	0.773	0.196

Analysis	9: CV5-WR-HC T-22	10: CV5-WR-HC T-33	11: CV5-WR-HC T-36	12: CV5-WR-HC T-39	13: CV5-WR-HC T-50	14: CV5-WR-HC T-56	15: CV5-WR-HC T-59	16: CV5-WR-HC T-62	17: CV5-WR-HC T-64
C [%]	0.041	0.117	0.674	0.027	1.23	0.570	0.031	2.06	0.019
S [%]	0.037	0.032	0.145	0.749	0.833	0.332	0.864	0.347	< 0.005

Analysis	18: CV5-WR-HC T-69	19: CV5-ORE-HCT-74	20: CV5-ORE-HCT-76
C [%]	0.025	0.013	0.046
S [%]	< 0.005	< 0.005	< 0.005

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LMS

0003314567

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-April-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 10 April 2023
LR Report: **CA11013-APR23**
Reference: Corvette Lithium Project - Waste Rock Samples.

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2	6: CV5-WR-HCT-5	7: CV5-WR-HCT-5 (DUP)
Sample Date & Time					N/A	N/A	N/A
SiO2 [%]	12-Apr-23	12:39	17-Apr-23	13:02	54.4	53.5	53.3
Al2O3 [%]	12-Apr-23	12:39	17-Apr-23	13:02	13.9	13.5	11.6
Fe2O3 [%]	12-Apr-23	12:39	17-Apr-23	13:02	10.7	11.2	11.3
MgO [%]	12-Apr-23	12:39	17-Apr-23	13:02	5.29	7.84	8.80
CaO [%]	12-Apr-23	12:39	17-Apr-23	13:02	5.31	7.61	7.79
Na2O [%]	12-Apr-23	12:39	17-Apr-23	13:02	3.63	1.84	1.54
K2O [%]	12-Apr-23	12:39	17-Apr-23	13:02	1.04	0.58	0.55
TiO2 [%]	12-Apr-23	12:39	17-Apr-23	13:02	0.65	0.75	0.58
P2O5 [%]	12-Apr-23	12:39	17-Apr-23	13:02	0.08	0.08	0.07
MnO [%]	12-Apr-23	12:39	17-Apr-23	13:02	0.21	0.23	0.25
Cr2O3 [%]	12-Apr-23	12:39	17-Apr-23	13:02	0.03	0.07	0.15
V2O5 [%]	12-Apr-23	12:39	17-Apr-23	13:02	0.03	0.05	0.04
LOI [%]	12-Apr-23	12:39	17-Apr-23	13:02	3.54	2.00	2.59
Sum [%]	12-Apr-23	12:39	17-Apr-23	13:02	98.8	99.3	98.6

Analysis	8: CV5-WR-HCT-14	9: CV5-WR-HCT-22	10: CV5-WR-HCT-33	11: CV5-WR-HCT-36	12: CV5-WR-HCT-39	13: CV5-WR-HCT-50	14: CV5-WR-HCT-56
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SiO2 [%]	51.5	53.3	53.4	43.6	61.3	56.2	53.0
Al2O3 [%]	15.0	12.9	14.2	7.03	14.5	21.1	13.3
Fe2O3 [%]	10.8	9.47	14.8	10.7	6.96	5.08	9.16
MgO [%]	4.82	8.96	3.89	21.0	3.28	1.94	5.72
CaO [%]	7.16	6.65	6.52	6.46	5.22	1.46	9.84
Na2O [%]	5.36	3.38	3.12	0.35	2.90	3.24	1.80

OnLine LMS

0003314572

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11013-APR23**

Analysis	8: CV5-WR-HCT -14	9: CV5-WR-HCT -22	10: CV5-WR-HCT -33	11: CV5-WR-HCT -36	12: CV5-WR-HCT -39	13: CV5-WR-HCT -50	14: CV5-WR-HCT -56
K2O [%]	0.30	0.27	0.42	0.08	1.25	3.48	1.96
TiO2 [%]	1.07	0.73	1.42	0.31	0.47	0.70	0.65
P2O5 [%]	0.09	0.25	0.12	0.01	0.05	0.06	0.04
MnO [%]	0.21	0.18	0.20	0.16	0.17	0.07	0.26
Cr2O3 [%]	0.03	0.08	< 0.01	0.28	0.02	0.01	0.04
V2O5 [%]	0.05	0.03	0.06	0.02	0.03	0.02	0.04
LOI [%]	2.74	2.94	0.93	8.26	2.39	4.10	2.77
Sum [%]	99.2	99.2	99.2	98.3	98.6	97.5	98.6

Analysis	15: CV5-WR-HCT -59	16: CV5-WR-HCT -62	17: CV5-WR-HCT -64	18: CV5-WR-HCT -69	19: CV5-ORE-HCT-74	20: CV5-ORE-HCT-76
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A
SiO2 [%]	46.5	39.6	67.4	68.5	73.2	74.3
Al2O3 [%]	10.8	3.92	16.9	17.2	15.9	13.7
Fe2O3 [%]	11.5	11.4	0.47	1.09	0.79	0.90
MgO [%]	17.2	24.8	0.13	0.22	0.02	0.43
CaO [%]	6.13	4.46	0.30	0.47	0.22	0.50
Na2O [%]	1.33	0.09	2.57	7.16	3.09	3.44
K2O [%]	0.25	0.06	8.44	1.57	2.11	2.29
TiO2 [%]	0.42	0.27	< 0.01	0.02	0.01	< 0.01
P2O5 [%]	0.06	0.02	0.25	0.25	0.18	0.17
MnO [%]	0.21	0.16	0.06	0.08	0.10	0.07
Cr2O3 [%]	0.22	0.47	< 0.01	< 0.01	< 0.01	< 0.01
V2O5 [%]	0.03	0.02	< 0.01	< 0.01	< 0.01	< 0.01
LOI [%]	4.28	12.2	0.97	0.76	0.64	1.42
Sum [%]	98.9	97.5	97.5	97.3	96.3	97.3

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LMS

0003314572

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

10-February-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 19 January 2023
LR Report: **CA11020-JAN23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54	10: 68	11: 71
Sample Date & Time			N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	03-Feb-23	09:30	2.00	1.87	1.87	1.98	1.96	1.97	1.89
Initial pH	03-Feb-23	09:30	9.61	9.58	9.71	9.44	9.42	9.59	9.26
Vol H2SO4 [mL]	03-Feb-23	09:30	1.00	1.40	1.40	1.95	0.95	0.65	0.40
H2SO4 [Normality]	03-Feb-23	09:30	1.00	1.00	1.00	1.00	1.00	1.00	1.00
NP [t CaCO3/1000 t]	03-Feb-23	09:30	25.0	37.4	37.4	49.2	24.2	16.5	10.6
AP [t CaCO3/1000 t]	09-Feb-23	16:41	20.3	9.41	3.00	5.03	15.0	1.25	1.25
NNP [kg CaCO3/ tonne]	09-Feb-23	16:41	4.7	28	34	44	9.2	15	9.4
S [%]	08-Feb-23	15:10	0.649	0.301	0.096	0.161	0.480	< 0.005	< 0.005
Acid Leachable SO4-S [%]	09-Feb-23	16:40	0.16	< 0.04	< 0.04	< 0.04	0.09	< 0.04	< 0.04
Sulphide [%]	09-Feb-23	16:40	0.49	0.27	0.07	0.15	0.39	< 0.04	< 0.04
C [%]	08-Feb-23	15:10	0.042	0.179	0.280	0.254	0.031	0.025	0.010
CO3 (pyro) as %CO3 [%]	09-Feb-23	16:40	0.035	0.605	1.00	0.889	< 0.025	< 0.025	< 0.025

Analysis	12: 72	13: 78	14: 81
Sample Date & Time	N/A	N/A	N/A
Sample weight [g]	1.98	1.94	2.05
Initial pH	9.47	9.55	9.34
Vol H2SO4 [mL]	0.75	1.20	0.45
H2SO4 [Normality]	1.00	1.00	1.00
NP [t CaCO3/1000 t]	18.9	30.9	11.0
AP [t CaCO3/1000 t]	0.16	1.25	1.25
NNP [kg CaCO3/ tonne]	19	30	9.8
S [%]	0.005	< 0.005	< 0.005
Acid Leachable SO4-S [%]	< 0.04	< 0.04	< 0.04
Sulphide [%]	< 0.04	< 0.04	< 0.04

OnLine LIMS

0003225930

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

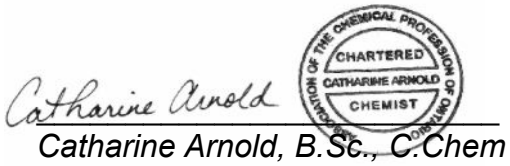
LR Report : **CA11020-JAN23**

Analysis	12: 72	13: 78	14: 81
C [%]	0.033	0.034	0.014
CO3 (pyro) as %CO3 [%]	< 0.025	0.030	< 0.025

MA110 ACISOL 1.0

Gross NP (kg CaCO3/tonne) Section 7.3
AP (kg CaCO3/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003225930

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-February-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 19 January 2023
LR Report: **CA11021-JAN23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54
Sample Date & Time					N/A	N/A	N/A	N/A	N/A
Hg [ug/g]	10-Feb-23	16:20	13-Feb-23	16:29	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hg - Pulp [Prep]	10-Feb-23	13:19	13-Feb-23	16:29	1	1	1	1	1
Ag [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	8400	13000	7300	16000	11000
As [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	88	55	6.2	26	64
B [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	6	4	6	2	6
Ba [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	19	55	11	2.8	38
Be [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	1.5	0.78	0.07	1.3	0.42
Bi [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	0.80	0.18	< 0.09	< 0.09	0.15
Ca [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	7400	6600	11000	8400	7200
Cd [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	0.04	0.23	0.06	0.67	0.05
Co [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	18	20	12	26	14
Cr [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	35	51	4.4	4.1	35
Cu [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	150	51	310	120	38
Fe [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	20000	30000	18000	47000	16000
K [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	710	2600	470	160	1600
Li [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	120	280	42	193	140
Mg [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	6500	13000	3400	15000	2800
Mn [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	270	400	240	540	200
Mo [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	1.6	0.5	0.7	0.4	1.0
Na [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	580	350	800	310	850
Ni [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	30	32	7.1	12	22
P [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	540	330	310	350	320
Pb [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	2.2	11	0.57	2.3	4.1
Sb [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	3.1	5.3	< 0.8	< 0.8	2.0
Se [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	6.4	5.5	7.2	5.3	15

OnLine LIMS

0003229334

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11021-JAN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54
Ti [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	390	770	360	370	330
Tl [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	0.29	0.20	0.04	0.05	0.32
U [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	0.63	0.23	0.075	0.27	0.92
V [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	30	67	60	150	36
Zn [µg/g]	05-Feb-23	18:21	07-Feb-23	13:25	23	99	24	140	31

Analysis	10: 68	11: 71	12: 72	13: 78	14: 81
Sample Date & Time	N/A	N/A	N/A	N/A	N/A
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hg - Pulp [Prep]	1	1	1	1	1
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	3700	2300	3800	2800	2300
As [µg/g]	8.5	13	40	5.7	9.0
B [µg/g]	4	4	25	6	6
Ba [µg/g]	2.3	3.1	3.1	2.9	1.2
Be [µg/g]	0.78	2.1	6.1	3.6	1.2
Bi [µg/g]	18	0.41	2.2	3.2	1.0
Ca [µg/g]	990	1200	1600	2700	800
Cd [µg/g]	0.03	0.10	0.12	0.31	0.11
Co [µg/g]	0.30	0.27	1.2	0.82	0.31
Cr [µg/g]	150	3.9	130	4.0	160
Cu [µg/g]	1.2	1.2	4.9	1.5	1.0
Fe [µg/g]	2200	1800	3900	2000	1900
K [µg/g]	3400	1200	1300	1300	820
Li [µg/g]	66	33	41	106	117
Mg [µg/g]	83	450	910	360	82
Mn [µg/g]	81	110	97	290	150
Mo [µg/g]	0.7	0.4	0.6	0.5	1.1
Na [µg/g]	820	740	1100	580	820
Ni [µg/g]	1.7	0.4	2.1	0.4	1.9
P [µg/g]	220	470	310	880	300
Pb [µg/g]	8.8	1.5	11	1.8	3.2
Sb [µg/g]	3.4	2.3	2.2	1.1	1.7
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 5	< 5	5	< 5	< 5
Sr [µg/g]	3.5	4.1	2.2	4.5	2.0
Ti [µg/g]	13	7.5	31	6.4	5.6
Tl [µg/g]	2.8	1.0	1.1	1.3	0.79
U [µg/g]	1.4	2.0	6.1	1.1	1.6

OnLine LIMS

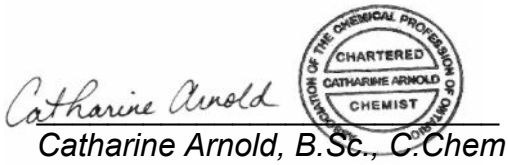
0003229334

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11021-JAN23**

Analysis	10: 68	11: 71	12: 72	13: 78	14: 81
V [µg/g]	< 1	< 1	4	< 1	< 1
Zn [µg/g]	4.1	3.4	40	4.6	6.2



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003229334

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

22-February-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 19 January 2023
LR Report: **CA11022-JAN23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54
Sample Date & Time			N/A	N/A	N/A	N/A	N/A
Sample weight [g]	08-Feb-23	14:12	20	20	20	20	20
Ext Fluid [#1 or #2]	08-Feb-23	14:12	1	1	1	1	1
Ext Volume [mL]	08-Feb-23	14:12	400	400	400	400	400
Final pH [no unit]	08-Feb-23	14:12	---	---	---	---	---
pH [No unit]	09-Feb-23	15:33	8.05	8.14	8.91	8.52	8.43
Alkalinity [mg/L as CaCO3]	09-Feb-23	11:16	21	29	22	24	21
Conductivity [uS/cm]	09-Feb-23	11:16	50	64	48	52	50
Acidity [mg/L as CaCO3]	09-Feb-23	11:16	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	22-Feb-23	11:41	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	10-Feb-23	13:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	14-Feb-23	11:03	0.53	0.53	0.69	0.67	0.74
As [mg/L]	14-Feb-23	11:03	0.043	0.040	0.002	0.012	0.018
Ag [mg/L]	14-Feb-23	11:03	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	14-Feb-23	11:03	< 0.0008	0.0009	< 0.0008	< 0.0008	< 0.0008
Be [mg/L]	14-Feb-23	11:03	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
B [mg/L]	14-Feb-23	11:03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Bi [mg/L]	14-Feb-23	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ca [mg/L]	14-Feb-23	11:03	8.0	9.8	7.8	7.9	7.3
Cd [mg/L]	14-Feb-23	11:03	0.00005	0.00004	0.00003	< 0.00003	< 0.00003
Co [mg/L]	14-Feb-23	11:03	0.00005	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Cr [mg/L]	14-Feb-23	11:03	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008
Cu [mg/L]	14-Feb-23	11:03	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	14-Feb-23	11:03	< 0.07	< 0.07	< 0.07	< 0.07	0.13
K [mg/L]	14-Feb-23	11:03	0.94	2.20	0.85	0.22	2.33
Li [mg/L]	14-Feb-23	11:03	0.046	0.080	0.019	0.047	0.056
Mg [mg/L]	14-Feb-23	11:03	0.79	0.84	0.58	0.88	0.33
Mn [mg/L]	14-Feb-23	11:03	0.0017	0.0008	0.0007	0.0004	0.0017
Mo [mg/L]	14-Feb-23	11:03	0.0010	0.0007	< 0.0004	0.0007	0.0005

OnLine LIMS

0003238692

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11022-JAN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54
Na [mg/L]	14-Feb-23	11:03	1.2	1.7	1.3	1.8	1.3
Ni [mg/L]	14-Feb-23	11:03	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
P [mg/L]	14-Feb-23	11:03	0.019	0.015	0.010	0.003	0.025
Pb [mg/L]	14-Feb-23	11:03	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
Sb [mg/L]	14-Feb-23	11:03	0.033	0.072	< 0.009	< 0.009	0.021
Se [mg/L]	14-Feb-23	11:03	0.0015	0.0012	0.0008	< 0.0004	< 0.0004
Si [mg/L]	14-Feb-23	11:03	2.14	1.44	2.15	1.48	1.90
Sn [mg/L]	14-Feb-23	11:03	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	14-Feb-23	11:03	0.0135	0.0363	0.0111	0.0204	0.00691
Ti [mg/L]	14-Feb-23	11:03	0.0012	0.0006	< 0.0005	< 0.0005	< 0.0005
Tl [mg/L]	14-Feb-23	11:03	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
U [mg/L]	14-Feb-23	11:03	0.00004	< 0.00002	< 0.00002	< 0.00002	0.00005
V [mg/L]	14-Feb-23	11:03	0.00483	0.00422	0.00588	0.00996	0.00276
Zn [mg/L]	14-Feb-23	11:03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Analysis	10: 68	11: 71	12: 72	13: 78	14: 81	15: 81	16:BLK: $SPLP1312 Blank #1
Sample Date & Time	N/A	N/A	N/A	N/A	N/A		
Sample weight [g]	20	20	20	20	20	20	---
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400
Final pH [no unit]	---	---	---	---	7.78	7.81	4.24
pH [No unit]	7.74	7.07	8.15	8.39	7.27	7.03	4.52
Alkalinity [mg/L as CaCO3]	11	6	17	17	8	7	< 2
Conductivity [uS/cm]	30	21	39	42	25	24	21
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	8
Cl [mg/L]	< 20	< 20	< 20	21	< 20	< 20	< 20
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.40	0.16	0.89	0.54	0.19	0.20	< 0.01
As [mg/L]	0.066	0.091	0.016	0.033	0.069	0.064	< 0.002
Ag [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ba [mg/L]	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008
Be [mg/L]	0.00016	0.00007	0.00017	0.00013	< 0.00007	0.00009	< 0.00007
B [mg/L]	< 0.02	< 0.02	0.05	< 0.02	< 0.02	< 0.02	< 0.02
Bi [mg/L]	0.0004	< 0.0001	< 0.0001	0.0010	< 0.0001	< 0.0001	< 0.0001
Ca [mg/L]	4.5	1.8	6.6	5.8	2.3	2.3	< 0.1
Cd [mg/L]	< 0.00003	0.00003	< 0.00003	0.00007	< 0.00003	0.00006	0.00005
Co [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Cr [mg/L]	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008
Cu [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

OnLine LIMS

0003238692

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11022-JAN23**

Analysis	10: 68	11: 71	12: 72	13: 78	14: 81	15: 81	16:BLK: $SPLP1312 Blank #1
Fe [mg/L]	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07
K [mg/L]	1.86	1.26	1.21	1.90	1.58	1.22	0.15
Li [mg/L]	0.045	0.024	0.018	0.131	0.223	0.227	< 0.001
Mg [mg/L]	0.05	0.13	0.14	0.28	0.05	0.05	< 0.01
Mn [mg/L]	0.0276	0.0072	0.0016	0.0050	0.0248	0.0269	0.0003
Mo [mg/L]	< 0.0004	0.0006	0.0006	0.0009	0.0009	0.0017	< 0.0004
Na [mg/L]	0.8	2.0	1.4	1.6	1.7	1.6	< 0.1
Ni [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
P [mg/L]	0.077	0.100	0.025	0.091	0.068	0.085	0.007
Pb [mg/L]	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
Sb [mg/L]	0.012	0.013	< 0.009	< 0.009	0.012	0.010	< 0.009
Se [mg/L]	< 0.0004	0.0006	< 0.0004	0.0011	< 0.0004	0.0011	0.0011
Si [mg/L]	1.42	1.02	1.52	2.20	1.16	1.19	< 0.02
Sn [mg/L]	0.00008	0.00011	0.00017	0.00011	0.00009	0.00019	< 0.00006
Sr [mg/L]	0.00574	0.00424	0.00529	0.0102	0.00362	0.00336	0.00035
Ti [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0008
Tl [mg/L]	0.00018	0.00011	0.00010	0.00016	0.00012	0.00014	< 0.00005
U [mg/L]	0.00110	0.00039	0.00069	0.00024	0.00010	0.00011	< 0.00002
V [mg/L]	0.00011	0.00019	0.00059	0.00029	0.00014	0.00010	0.00004
Zn [mg/L]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003238692

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 19 January 2023
LR Report: **CA11023-JAN23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54	10: 68
Sample Date & Time			N/A	N/A	N/A	N/A	N/A	N/A
Sample weight [g]	22-Feb-23	15:05	100	100	100	100	100	100
Volume D.I. Water [mL]	22-Feb-23	15:05	400	400	400	400	400	400
pH [No unit]	28-Feb-23	16:00	8.29	8.49	8.89	8.34	8.37	9.23
Alkalinity [mg/L as CaCO3]	28-Feb-23	16:00	56	88	62	73	74	97
Conductivity [uS/cm]	24-Feb-23	10:20	274	268	190	201	277	234
Acidity [mg/L as CaCO3]	24-Feb-23	10:19	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	28-Feb-23	13:56	< 20	< 20	< 20	< 20	< 20	< 20
Hg [mg/L]	22-Feb-23	15:06	0.00013	0.00006	< 0.00001	< 0.00001	0.00007	< 0.00001
Al [mg/L]	27-Feb-23	14:20	0.337	0.378	0.757	0.320	1.24	1.92
As [mg/L]	27-Feb-23	14:20	0.193	0.158	0.0129	0.0190	0.0590	0.742
Ag [mg/L]	27-Feb-23	14:20	< 0.00005	0.00016	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	27-Feb-23	14:20	0.00291	0.00344	0.00072	0.00061	0.00605	0.00113
Be [mg/L]	27-Feb-23	14:20	0.000035	0.000014	< 0.000007	0.000018	0.000030	0.000220
B [mg/L]	27-Feb-23	14:20	0.363	0.144	0.154	0.056	0.288	0.244
Bi [mg/L]	27-Feb-23	14:20	0.00007	0.00002	< 0.00001	< 0.00001	0.00001	0.00160
Ca [mg/L]	27-Feb-23	14:20	15.4	8.34	7.82	12.8	7.81	1.88
Cd [mg/L]	27-Feb-23	14:20	0.000005	0.000006	< 0.000003	0.000003	0.000022	0.000005
Co [mg/L]	27-Feb-23	14:20	0.000132	0.000164	0.000052	0.000150	0.000190	0.000294
Cr [mg/L]	27-Feb-23	14:20	0.00207	0.00217	0.00065	0.00011	0.00222	0.00102
Cu [mg/L]	27-Feb-23	14:20	0.0015	0.0002	0.0040	0.0003	0.0015	0.0013
Fe [mg/L]	27-Feb-23	14:20	0.100	0.116	0.032	0.053	0.221	0.575
K [mg/L]	27-Feb-23	14:20	16.8	29.0	8.18	2.21	36.3	42.0
Li [mg/L]	27-Feb-23	14:20	1.59	1.70	0.415	0.362	1.96	1.69
Mg [mg/L]	27-Feb-23	14:20	7.86	6.35	3.08	10.7	2.19	0.934
Mn [mg/L]	27-Feb-23	14:20	0.00412	0.00346	0.00185	0.00472	0.00568	0.0125
Mo [mg/L]	27-Feb-23	14:20	0.0141	0.00671	0.00369	0.00263	0.00530	0.00170
Na [mg/L]	27-Feb-23	14:20	23.9	24.6	26.7	19.0	30.0	23.5
Ni [mg/L]	27-Feb-23	14:20	0.0004	0.0003	< 0.0001	0.0002	0.0005	0.0004
P [mg/L]	27-Feb-23	14:20	0.044	0.033	0.022	0.016	0.049	0.231
Pb [mg/L]	27-Feb-23	14:20	0.00011	0.00014	< 0.00009	< 0.00009	0.00031	0.00061

OnLine LIMS

0003246638

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11023-JAN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: 28	6: 29	7: 30	8: 48	9: 54	10: 68
Sb [mg/L]	27-Feb-23	14:20	0.236	0.550	0.0074	0.0441	0.233	0.317
Se [mg/L]	27-Feb-23	14:20	0.00251	0.00206	0.00111	0.00099	0.00091	0.00044
Si [mg/L]	27-Feb-23	14:20	3.25	2.42	2.18	1.50	2.34	4.94
Sn [mg/L]	27-Feb-23	14:20	0.00011	< 0.00006	0.00006	0.00007	0.00008	0.00047
Sr [mg/L]	27-Feb-23	14:20	0.0240	0.0377	0.0120	0.0351	0.0138	0.00327
Ti [mg/L]	27-Feb-23	14:20	0.00398	0.00603	0.00137	0.00111	0.0165	0.00793
Tl [mg/L]	27-Feb-23	14:20	0.000040	0.000055	0.000010	0.000018	0.000028	0.00225
U [mg/L]	27-Feb-23	14:20	0.00432	0.000162	0.000500	0.000246	0.00761	0.0245
V [mg/L]	27-Feb-23	14:20	0.0214	0.0121	0.0373	0.00788	0.0212	0.138
Zn [mg/L]	27-Feb-23	14:17	< 0.002	< 0.002	< 0.002	< 0.002	0.002	0.003

Analysis	11: 71	12: 72	13: 78	14: 81	15: 81	16:BLK: CTEU Blank
Sample Date & Time	N/A	N/A	N/A	N/A		
Sample weight [g]	100	100	100	100	100	---
Volume D.I. Water [mL]	400	400	400	400	400	400
pH [No unit]	9.29	9.31	8.63	9.26	8.80	6.75
Alkalinity [mg/L as CaCO3]	80	104	92	77	99	24
Conductivity [uS/cm]	224	224	247	171	200	60
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	21	< 20	21	< 20	< 20	< 20
Hg [mg/L]	0.00013	< 0.00001	0.00012	0.00007	0.00007	0.00012
Al [mg/L]	5.82	7.39	2.59	5.96	7.02	0.011
As [mg/L]	3.73	0.569	0.981	1.56	1.52	0.0003
Ag [mg/L]	0.00006	< 0.00005	< 0.00005	0.00005	0.00006	< 0.00005
Ba [mg/L]	0.00213	0.00156	0.00179	0.00107	0.00101	0.00024
Be [mg/L]	0.00199	0.00429	0.00236	0.00107	0.00108	< 0.000007
B [mg/L]	0.471	1.26	0.393	0.328	0.347	0.002
Bi [mg/L]	0.00027	0.00122	0.00117	0.00064	0.00073	< 0.00001
Ca [mg/L]	0.48	1.33	1.51	0.48	0.50	0.07
Cd [mg/L]	0.000017	0.000058	0.000021	0.000027	0.000024	0.000003
Co [mg/L]	0.000201	0.00160	0.000381	0.000102	0.000101	0.000035
Cr [mg/L]	0.00454	0.00260	0.00265	0.00512	0.00461	0.00017
Cu [mg/L]	0.0024	0.0019	0.0016	0.0008	0.0007	0.0005
Fe [mg/L]	0.188	0.732	0.140	0.170	0.167	0.020
K [mg/L]	16.6	16.3	19.9	7.34	7.35	2.70
Li [mg/L]	0.871	0.456	4.09	5.37	5.10	0.0002
Mg [mg/L]	0.173	0.480	0.254	0.092	0.090	0.015
Mn [mg/L]	0.0172	0.0269	0.0287	0.0570	0.0550	0.00080
Mo [mg/L]	0.00466	0.00232	0.00354	0.00442	0.00412	0.00035
Na [mg/L]	46.3	46.4	41.2	36.1	34.1	15.6
Ni [mg/L]	0.0004	0.0016	0.0003	0.0001	0.0001	0.0001
P [mg/L]	1.84	0.399	1.49	1.63	1.52	< 0.003

OnLine LIMS

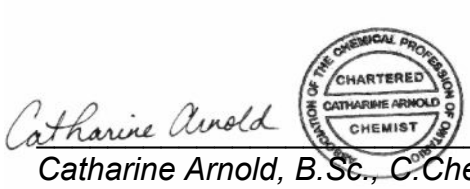
0003246638

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11023-JAN23**

Analysis	11: 71	12: 72	13: 78	14: 81	15: 81	16:BLK: CTEU Blank
Pb [mg/L]	0.00114	0.00802	0.00063	0.00084	0.00098	< 0.00009
Sb [mg/L]	0.375	0.144	0.144	0.264	0.260	< 0.0009
Se [mg/L]	0.00071	0.00256	0.00059	0.00026	0.00029	< 0.00004
Si [mg/L]	7.00	4.52	6.15	7.25	7.00	0.05
Sn [mg/L]	0.00125	0.00200	0.00142	0.00240	0.00206	< 0.00006
Sr [mg/L]	0.00165	0.00210	0.00402	0.00134	0.00133	0.00023
Ti [mg/L]	0.00217	0.00715	0.00169	0.00358	0.00323	0.00060
Tl [mg/L]	0.00102	0.00179	0.00141	0.00113	0.00127	< 0.000005
U [mg/L]	0.0464	0.0817	0.0113	0.0579	0.0622	< 0.000002
V [mg/L]	0.0200	0.0441	0.0108	0.0102	0.0101	0.00006
Zn [mg/L]	0.003	0.032	0.003	0.005	0.005	< 0.002



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003246638

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11023-JAN23**

OnLine LIMS

0003246638

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

15-January-2024

Patriot Battery Metals Inc
Attn : Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 20 September 2023
LR Report: **CA11024-SEP23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV13-ORE-01	6: CV13-WR-02	7: CV13-WR-03	8: CV13-WR-04	9: CV13-WR-05
Sample Date & Time			NA	NA	NA	NA	NA
Sample weight [g]	12-Jan-24	09:25	2.01	2.04	1.99	2.02	2.00
Initial pH	12-Jan-24	09:25	9.30	9.64	9.20	9.44	9.64
Vol H2SO4 [mL]	12-Jan-24	09:25	0.25	0.40	0.90	0.55	0.80
H2SO4 [Normality]	12-Jan-24	09:25	1.00	1.00	1.00	1.00	1.00
NP [t CaCO3/1000 t]	12-Jan-24	09:25	6.2	9.8	22.6	13.6	20.0
AP [t CaCO3/1000 t]	12-Jan-24	09:25	0.16	0.16	13.5	5.03	2.47
NNP [kg CaCO3/ tonne]	12-Jan-24	09:25	6.0	9.6	9	9	18
S [%]	20-Oct-23	08:59	< 0.005	0.005	0.433	0.161	0.079
Acid Leachable SO4-S [%]	20-Oct-23	14:14	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	20-Oct-23	14:14	< 0.04	< 0.04	0.36	0.10	0.06
C [%]	20-Oct-23	14:13	0.012	0.035	0.040	0.024	0.108
CO3 (HCl) as %CO3 [%]	20-Oct-23	14:13	< 0.04	0.10	0.10	0.04	0.46

Analysis	10: CV13-WR-06	11: CV13-WR-07	12: CV13-WR-08	13: CV13-WR-09	14: CV13-WR-10	15: CV13-WR-11	16: CV13-WR-12
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	2.01	1.99	2.03	2.05	2.03	2.05	2.01
Initial pH	9.67	9.06	9.22	9.00	9.52	9.15	9.14
Vol H2SO4 [mL]	0.30	0.25	0.40	0.70	0.80	0.35	0.40
H2SO4 [Normality]	1.00	1.00	1.00	1.00	1.00	1.00	1.00
NP [t CaCO3/1000 t]	7.5	6.3	9.9	17.1	19.7	8.5	10.0
AP [t CaCO3/1000 t]	0.16	0.16	3.69	12.4	4.84	0.16	4.47
NNP [kg CaCO3/ tonne]	7.3	6.1	6.2	5	15	8.3	5.5
S [%]	< 0.005	< 0.005	0.118	0.398	0.155	< 0.005	0.143
Acid Leachable SO4-S [%]	< 0.04	< 0.04	< 0.04	0.06	0.06	< 0.04	< 0.04
Sulphide [%]	< 0.04	< 0.04	0.10	0.34	0.09	< 0.04	0.11
C [%]	< 0.005	< 0.005	< 0.005	< 0.005	0.102	< 0.005	0.013
CO3 (HCl) as %CO3 [%]	<0.04	<0.04	<0.04	<0.04	0.42	<0.04	< 0.04

OnLine LIMS

0003591283

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11024-SEP23**

Analysis	17: CV13-ORE-13	18: CV13-WR-14	19: CV13-WR-15	20: CV13-ORE-16	21: CV13-WR-17	22: CV13-WR-18	23: CV13-WR-19
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	1.99	2.03	1.99	2.02	2.04	2.02	2.02
Initial pH	8.95	9.10	9.30	8.90	9.18	8.98	9.28
Vol H2SO4 [mL]	0.30	0.70	0.70	0.35	0.60	0.65	0.55
H2SO4 [Normality]	1.00	1.00	1.00	1.00	1.00	1.00	1.00
NP [t CaCO3/1000 t]	7.5	17.2	17.6	8.7	14.7	16.1	13.6
AP [t CaCO3/1000 t]	0.16	11.5	9.84	0.16	1.84	0.41	3.88
NNP [kg CaCO3/ tonne]	7.3	6	8	8.5	13	16	10
S [%]	< 0.005	0.367	0.315	< 0.005	0.059	0.013	0.124
Acid Leachable SO4-S [%]	< 0.04	0.15	0.06	< 0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	< 0.04	0.22	0.26	< 0.04	0.06	< 0.04	0.11
C [%]	< 0.005	< 0.005	0.015	< 0.005	< 0.005	0.005	< 0.005
CO3 (HCl) as %CO3 [%]	<0.04	<0.04	< 0.04	<0.04	<0.04	< 0.04	<0.04

Analysis	24: CV13-WR-20	25: CV13-WR-21	26: CV13-WR-22	27: CV13-WR-23	28: CV13-WR-24	29: CV13-WR-25	30: CV13-WR-26
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	2.04	2.00	2.05	2.03	2.01	2.02	2.05
Initial pH	9.30	9.54	8.98	9.15	8.54	7.32	8.32
Vol H2SO4 [mL]	0.60	0.95	2.50	2.65	0.75	1.60	1.30
H2SO4 [Normality]	1.00	1.00	1.00	1.00	1.00	1.00	1.00
NP [t CaCO3/1000 t]	14.7	23.8	61.0	65.3	18.7	39.6	31.7
AP [t CaCO3/1000 t]	0.16	1.25	1.75	0.16	11.3	168	91.2
NNP [kg CaCO3/ tonne]	15	23	59	65	7	-128	-60
S [%]	< 0.005	0.040	0.056	< 0.005	0.363	5.37	2.92
Acid Leachable SO4-S [%]	< 0.04	< 0.04	< 0.04	< 0.04	0.10	1.50	< 0.04
Sulphide [%]	< 0.04	0.08	0.04	< 0.04	0.26	3.87	3.07
C [%]	< 0.005	0.180	0.381	0.441	< 0.005	< 0.005	0.038
CO3 (HCl) as %CO3 [%]	<0.04	0.80	1.83	2.12	<0.04	<0.04	0.11

Analysis	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30
Sample Date & Time	NA	NA	NA	NA
Sample weight [g]	2.01	2.03	2.03	2.05
Initial pH	8.47	8.43	7.94	8.60
Vol H2SO4 [mL]	5.75	0.65	0.50	0.80
H2SO4 [Normality]	1.00	1.00	1.00	1.00
NP [t CaCO3/1000 t]	143	16.0	12.3	19.5
AP [t CaCO3/1000 t]	657	1.19	0.34	2.56
NNP [kg CaCO3/ tonne]	-514	15	12	17
S [%]	21.0	0.038	0.011	0.082
Acid Leachable SO4-S [%]	14.9	< 0.04	< 0.04	0.04
Sulphide [%]	6.13	< 0.04	< 0.04	0.04

OnLine LIMS

0003591283

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

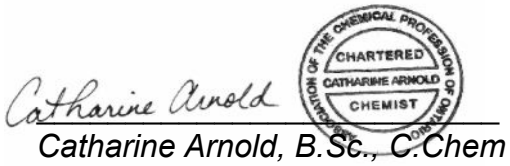
LR Report : **CA11024-SEP23**

Analysis	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30
C [%]	0.524	0.096	0.034	0.081
CO3 (HCl) as %CO3 [%]	2.48	0.41	0.08	0.28

MA110 ACISOL 1.0

Gross NP (kg CaCO3/tonne) Section 7.3
AP (kg CaCO3/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003591283

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

01-November-2023

Date Rec. : 20 September 2023
LR Report: **CA11025-SEP23**

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV13-ORE-01	6: CV13-WR-02	7: CV13-WR-03	8: CV13-WR-04	9: CV13-WR-05	10: CV13-WR-06	11: CV13-WR-07	12: CV13-WR-08
Sample Date & Time					NA	NA	NA	NA	NA	NA	NA	NA
Hg [ug/g]	20-Oct-23	10:28	31-Oct-23	16:08	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	2300	5200	20000	15000	12000	2900	5000	12000
As [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	9.2	67	190	31	8.9	7.1	720	3.9
B [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	3	8	15	2	3	3	8	3
Ba [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	0.87	8.8	17	150	11	0.95	1.6	13
Be [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	1.1	3.3	1.3	0.25	0.15	0.70	1.6	0.24
Bi [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	0.22	32	0.35	< 0.09	< 0.09	2.1	1.6	< 0.09
Ca [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	590	3200	2400	6200	9900	920	1200	12000
Cd [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	0.10	2.9	0.07	0.05	< 0.02	0.04	0.27	0.07
Co [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	0.33	3.2	32	15	19	0.41	0.76	16
Cr [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	180	150	760	53	200	130	130	100
Cu [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	1.9	190	31	71	68	1.6	2.2	81
Fe [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	1800	4000	27000	21000	12000	1600	2000	12000
K [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	720	940	2000	4000	620	690	690	410
Li [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	69	110	250	360	170	8	11	68
Mg [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	92	2100	30000	8700	9600	97	210	4400
Mn [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	66	350	420	230	170	32	45	250
Mo [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	0.9	0.5	0.7	0.7	0.3	1.0	1.0	0.2
Na [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	1200	1700	110	1000	630	1400	1700	1300
Ni [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	2.4	10	380	30	120	2.5	3.3	68
P [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	150	810	520	550	160	78	340	360

OnLine LIMS

000351954

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11025-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV13-ORE-01	6: CV13-WR-02	7: CV13-WR-03	8: CV13-WR-04	9: CV13-WR-05	10: CV13-WR-06	11: CV13-WR-07	12: CV13-WR-08
Pb [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	2.3	183	2.4	2.3	0.50	1.1	1.3	0.84
Sb [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	1.0	6.3	3.7	0.9	< 0.8	1.1	23	0.9
Se [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	< 0.1	0.1	0.2	0.2	0.2	< 0.1	< 0.1	0.2
Sn [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	0.76	3.8	3.1	12	9.7	1.5	1.7	21
Ti [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	1.1	110	320	830	790	5.4	19	1700
Tl [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	0.58	0.90	0.35	1.8	0.10	0.41	4.3	0.41
U [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	3.0	73	0.18	0.74	0.026	0.46	0.75	0.15
V [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	< 1	7	28	47	27	< 1	1	41
Zn [µg/g]	26-Oct-23	23:20	31-Oct-23	16:08	3.9	13	49	34	16	2.0	4.8	16

Analysis	13: CV13-WR-09	14: CV13-WR-10	15: CV13-WR-11	16: CV13-WR-12	17: CV13-ORE-13	18: CV13-WR-14	19: CV13-WR-15	20: CV13-ORE-16	21: CV13-WR-17	22: CV13-WR-18	23: CV13-WR-19	24: CV13-WR-20
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	39000	16000	5200	15000	5300	21000	15000	3400	13000	23000	16000	24000
As [µg/g]	3.3	2.2	20	0.5	200	73	1.2	500	100	87	110	99
B [µg/g]	2	2	7	1	15	4	3	15	1	10	5	8
Ba [µg/g]	160	9.4	1.7	8.9	9.1	76	21	1.7	90	6.6	61	77
Be [µg/g]	0.29	0.14	3.7	0.04	2.5	0.41	0.16	3.2	0.20	1.1	1.8	1.1
Bi [µg/g]	0.09	< 0.09	0.15	< 0.09	0.20	< 0.09	< 0.09	0.87	< 0.09	< 0.09	< 0.09	0.19
Ca [µg/g]	17000	16000	2300	12000	2200	14000	13000	720	4100	18000	10000	16000
Cd [µg/g]	0.04	0.06	0.14	0.02	0.20	0.32	0.22	0.09	0.03	0.06	0.22	0.08
Co [µg/g]	32	14	2.2	12	2.3	35	16	0.64	37	29	26	28
Cr [µg/g]	200	68	140	46	120	74	39	89	250	86	140	200
Cu [µg/g]	140	160	3.2	110	5.3	160	120	2.4	54	57	68	38
Fe [µg/g]	23000	12000	3900	11000	4400	21000	24000	1300	17000	11000	17000	11000
K [µg/g]	4600	260	320	220	2000	3500	760	540	2900	360	2400	800
Li [µg/g]	280	110	47	15	180	240	31	13	240	99	280	230
Mg [µg/g]	8200	5300	1600	5000	1700	6800	5200	190	12000	5100	8500	6100
Mn [µg/g]	120	250	270	170	310	430	290	88	150	220	300	240
Mo [µg/g]	0.6	0.2	0.9	0.2	0.5	0.6	0.7	1.9	0.2	0.2	0.3	0.2
Na [µg/g]	4100	1500	1300	2000	1300	1600	1400	1800	530	1200	1200	2000
Ni [µg/g]	70	40	5.1	24	6.4	51	17	2.5	130	36	69	92
P [µg/g]	250	200	270	140	440	270	870	97	180	160	190	220

OnLine LIMS

000351954

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11025-SEP23**

Analysis	13: CV13-WR-09	14: CV13-WR-10	15: CV13-WR-11	16: CV13-WR-12	17: CV13-ORE-13	18: CV13-WR-14	19: CV13-WR-15	20: CV13-ORE-16	21: CV13-WR-17	22: CV13-WR-18	23: CV13-WR-19	24: CV13-WR-20
Pb [µg/g]	2.2	1.1	13	0.44	6.9	9.5	2.2	4.0	0.44	0.42	0.63	0.62
Sb [µg/g]	< 0.8	< 0.8	1.6	< 0.8	8.5	1.6	< 0.8	15	4.0	5.8	2.7	6.2
Se [µg/g]	0.4	0.3	< 0.1	0.4	< 0.1	0.7	0.3	< 0.1	0.1	< 0.1	0.2	< 0.1
Sn [µg/g]	< 5	< 5	15	< 5	12	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	37	24	1.8	15	1.8	26	17	1.4	5.3	30	11	21
Ti [µg/g]	650	1400	64	360	130	1600	950	12	650	1100	960	670
Tl [µg/g]	0.94	0.04	0.16	< 0.02	5.8	2.7	0.07	0.37	0.69	0.32	4.2	0.89
U [µg/g]	0.69	0.038	28	0.058	24	0.29	0.24	21	0.10	0.17	0.17	0.058
V [µg/g]	140	35	10	32	9	64	44	< 1	29	36	42	44
Zn [µg/g]	48	15	26	12	7.6	120	95	1.4	19	15	47	17

Analysis	25: CV13-WR-21	26: CV13-WR-22	27: CV13-WR-23	28: CV13-WR-24	29: CV13-WR-25	30: CV13-WR-26	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	0.38	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	1.1	< 0.5	< 0.5	< 0.5
Al [µg/g]	10000	4700	4800	16000	14000	9600	2200	6700	2100	24000
As [µg/g]	570	130	1100	4.9	5.4	1.8	1.8	4.6	7.4	2.0
B [µg/g]	6	41	31	2	2	1	< 1	2	3	1
Ba [µg/g]	32	0.92	1.1	87	230	110	5.8	56	0.46	13
Be [µg/g]	0.64	0.26	0.27	0.16	0.09	0.04	0.08	0.21	1.2	0.08
Bi [µg/g]	0.24	0.96	0.62	< 0.09	0.95	0.28	1.1	0.14	< 0.09	< 0.09
Ca [µg/g]	4800	8500	7000	7200	3900	3900	17000	2500	890	17000
Cd [µg/g]	0.02	0.07	< 0.02	< 0.02	14	0.66	0.13	0.10	0.21	0.04
Co [µg/g]	38	67	74	19	85	62	28	0.32	0.42	7.9
Cr [µg/g]	750	870	920	25	73	190	44	60	190	24
Cu [µg/g]	62	11	2.9	13	620	430	360	4.9	9.7	55
Fe [µg/g]	11000	35000	28000	29000	54000	40000	220000	5900	2000	4900
K [µg/g]	380	8.7	8.3	2800	4800	2400	410	2600	370	220
Li [µg/g]	21	2	4	250	240	150	5	15	120	50
Mg [µg/g]	20000	130000	100000	8800	9000	8000	1200	3100	58	2700
Mn [µg/g]	110	630	490	240	130	83	670	110	190	120
Mo [µg/g]	< 0.1	< 0.1	< 0.1	0.5	1.8	1.2	1.0	1.7	1.3	0.2
Na [µg/g]	220	28	26	990	850	720	120	460	960	2300
Ni [µg/g]	610	1600	1500	8.9	100	300	44	1.3	2.2	20
P [µg/g]	180	23	21	350	320	160	61	< 3	150	130

OnLine LIMS

000351954

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11025-SEP23**

Analysis	25: CV13-WR-21	26: CV13-WR-22	27: CV13-WR-23	28: CV13-WR-24	29: CV13-WR-25	30: CV13-WR-26	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30
Pb [µg/g]	0.61	0.24	0.11	1.0	61	1.8	2.6	7.1	1.8	0.86
Sb [µg/g]	1.9	< 0.8	2.6	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1.5	< 0.8
Se [µg/g]	0.1	0.1	< 0.1	0.2	5.0	2.1	1.5	< 0.1	< 0.1	< 0.1
Sn [µg/g]	< 5	< 5	< 5	< 5	9	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	8.7	5.8	7.4	7.8	7.4	5.8	4.9	5.9	1.0	42
Ti [µg/g]	89	42	42	870	1200	610	110	150	2.5	340
Tl [µg/g]	0.18	0.05	< 0.02	0.19	0.20	0.16	0.10	0.05	0.23	0.11
U [µg/g]	0.14	0.034	0.016	7.5	0.62	0.22	0.11	2.6	1.3	0.18
V [µg/g]	25	15	15	80	39	38	6	< 1	< 1	16
Zn [µg/g]	13	30	19	15	6000	230	22	53	5.6	6.3

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

000351954

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

30-November-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 20 September 2023
LR Report: **CA11027-SEP23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV13-ORE-01	6: CV13-WR-02	7: CV13-WR-03	8: CV13-WR-04	9: CV13-WR-05
Sample Date & Time			NA	NA	NA	NA	NA
Sample weight [g]	23-Nov-23	15:58	100	100	100	100	100
Volume D.I. Water [mL]	23-Nov-23	15:58	400	400	400	400	400
pH [No unit]	30-Nov-23	11:53	9.52	9.35	8.23	9.06	8.30
Conductivity [uS/cm]	30-Nov-23	11:53	334	381	313	302	219
Alkalinity [mg/L as CaCO3]	30-Nov-23	11:53	149	148	109	103	79
Acidity [mg/L as CaCO3]	30-Nov-23	11:53	< 2	< 2	< 2	< 2	< 2
F [mg/L]	24-Nov-23	13:32	1.71	3.34	1.22	2.09	0.43
Br [mg/L]	24-Nov-23	12:02	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	24-Nov-23	12:02	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	24-Nov-23	12:02	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	24-Nov-23	12:02	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	24-Nov-23	12:02	< 6	< 6	< 6	< 6	< 6
Hg [mg/L]	29-Nov-23	11:38	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	29-Nov-23	11:38	1.15	0.934	0.492	0.871	0.617
As [mg/L]	30-Nov-23	12:11	1.20	3.02	0.459	0.392	0.145
Ag [mg/L]	29-Nov-23	11:39	< 0.00005	< 0.00005	0.00010	< 0.00005	< 0.00005
Ba [mg/L]	29-Nov-23	11:39	0.00137	0.00161	0.00662	0.00666	0.00160
Be [mg/L]	29-Nov-23	11:39	0.000631	0.000506	0.000018	0.000011	< 0.000007
B [mg/L]	30-Nov-23	12:11	0.476	0.596	1.30	0.234	0.079
Bi [mg/L]	29-Nov-23	11:39	0.00041	0.00187	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	30-Nov-23	12:11	0.40	0.72	8.53	2.67	3.01
Cd [mg/L]	29-Nov-23	11:39	0.000031	0.000340	0.000004	0.000006	0.000004
Co [mg/L]	29-Nov-23	11:39	0.000021	0.000472	0.000567	0.000469	0.000045
Cr [mg/L]	29-Nov-23	11:39	0.00121	0.00415	0.0180	0.00214	0.0356
Cu [mg/L]	29-Nov-23	11:39	0.0015	0.0028	0.0024	0.0030	0.0007
Fe [mg/L]	29-Nov-23	11:39	0.035	0.176	0.563	0.614	0.012
K [mg/L]	29-Nov-23	11:39	3.26	1.61	23.6	29.6	10.8
Li [mg/L]	30-Nov-23	12:10	2.47	0.583	0.805	4.81	3.54
Mg [mg/L]	29-Nov-23	11:40	0.028	0.170	18.9	1.26	7.49
Mn [mg/L]	29-Nov-23	11:40	0.0171	0.0145	0.0107	0.00850	0.00094
Mo [mg/L]	29-Nov-23	11:40	0.00522	0.00425	0.00419	0.00607	0.00467

OnLine LIMS

00035497B5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11027-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV13-ORE-01	6: CV13-WR-02	7: CV13-WR-03	8: CV13-WR-04	9: CV13-WR-05
Na [mg/L]	29-Nov-23	11:40	42.6	58.2	11.0	28.1	15.1
Ni [mg/L]	29-Nov-23	11:40	< 0.0001	0.0013	0.0084	0.0010	0.0003
P [mg/L]	29-Nov-23	11:40	0.607	0.679	0.024	0.180	0.018
Pb [mg/L]	29-Nov-23	11:40	0.00093	0.0464	0.00014	0.00017	< 0.00009
Sb [mg/L]	29-Nov-23	11:40	0.135	0.439	0.548	0.126	0.0302
Se [mg/L]	29-Nov-23	11:41	0.00025	0.00735	0.00027	0.00067	0.00071
Si [mg/L]	29-Nov-23	11:41	18.1	11.7	6.57	5.12	4.57
Sn [mg/L]	29-Nov-23	11:41	0.00088	0.00050	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	29-Nov-23	11:41	0.00038	0.00100	0.0122	0.00374	0.00201
Ti [mg/L]	29-Nov-23	11:41	0.00098	0.00394	0.0210	0.0351	0.00059
Tl [mg/L]	30-Nov-23	12:12	0.000366	0.000146	0.000077	0.000104	0.000023
U [mg/L]	30-Nov-23	12:12	0.170	1.13	0.000164	0.00188	0.000260
V [mg/L]	29-Nov-23	11:41	0.00167	0.0284	0.00634	0.0689	0.0472
Zn [mg/L]	29-Nov-23	11:41	0.002	0.003	< 0.002	< 0.002	< 0.002

Analysis	10: CV13-WR-06	11: CV13-WR-07	12: CV13-WR-08	13: CV13-WR-09	14: CV13-WR-10	15: CV13-WR-11	16: CV13-WR-12
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	100	100	100	100	100	100	100
Volume D.I. Water [mL]	400	400	400	400	400	400	400
pH [No unit]	9.19	8.96	9.05	8.37	8.29	9.71	8.77
Conductivity [uS/cm]	345	357	204	325	220	364	223
Alkalinity [mg/L as CaCO3]	161	113	71	101	68	156	67
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	1.71	1.45	1.18	1.74	0.33	1.10	0.21
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	35	< 20	29	< 20	< 20	24
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	3.50	1.52	0.189	1.58	0.492	2.26	0.336
As [mg/L]	0.645	41.5	0.0927	0.0422	0.0192	0.894	0.0058
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00006	< 0.00005
Ba [mg/L]	0.00180	0.00255	0.00148	0.00921	0.00051	0.00141	0.00148
Be [mg/L]	0.000379	0.000829	< 0.000007	0.000008	< 0.000007	0.000961	< 0.000007
B [mg/L]	0.453	1.53	0.128	0.299	0.049	0.902	0.075
Bi [mg/L]	0.00126	0.00095	< 0.00001	< 0.00001	< 0.00001	0.00007	< 0.00001
Ca [mg/L]	1.02	0.83	5.91	2.24	5.48	0.57	5.33
Cd [mg/L]	0.000030	0.000075	0.000003	0.000006	< 0.000003	0.000062	< 0.000003
Co [mg/L]	0.000103	0.000403	0.000137	0.000893	0.000041	0.000676	0.000127
Cr [mg/L]	0.00130	0.00376	0.00454	0.0135	0.00314	0.00241	0.00344
Cu [mg/L]	0.0033	0.0026	0.0035	0.0056	0.0007	0.0021	0.0033
Fe [mg/L]	0.081	0.192	0.182	0.891	0.012	0.354	0.207
K [mg/L]	4.51	5.44	2.05	33.7	2.10	0.801	1.52

OnLine LIMS

00035497B5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11027-SEP23**

Analysis	10: CV13-WR-06	11: CV13-WR-07	12: CV13-WR-08	13: CV13-WR-09	14: CV13-WR-10	15: CV13-WR-11	16: CV13-WR-12
Li [mg/L]	0.0826	0.162	2.29	3.90	3.75	0.150	0.272
Mg [mg/L]	0.067	0.164	5.04	1.14	7.04	0.240	8.01
Mn [mg/L]	0.0103	0.0146	0.00478	0.00786	0.00171	0.0217	0.00440
Mo [mg/L]	0.00328	0.0141	0.00208	0.00646	0.00267	0.00437	0.00371
Na [mg/L]	84.4	67.9	24.2	28.0	18.6	58.0	26.6
Ni [mg/L]	0.0005	0.0015	0.0008	0.0019	< 0.0001	0.0009	0.0004
P [mg/L]	0.415	1.50	0.172	0.063	0.028	0.861	0.070
Pb [mg/L]	0.00079	0.00101	0.00014	0.00015	0.00031	0.00477	< 0.00009
Sb [mg/L]	0.127	1.62	0.144	0.0112	0.0113	0.131	0.0013
Se [mg/L]	0.00082	0.00674	0.00082	0.00086	0.00119	0.00285	0.00484
Si [mg/L]	11.0	21.0	7.66	4.66	5.66	14.6	6.04
Sn [mg/L]	0.00085	0.00018	< 0.00006	< 0.00006	< 0.00006	0.00077	< 0.00006
Sr [mg/L]	0.00126	0.00139	0.00447	0.00404	0.00314	0.00078	0.00330
Ti [mg/L]	0.00164	0.00188	0.0128	0.0373	0.00053	0.00390	0.00800
Tl [mg/L]	0.00119	0.00173	0.000008	0.000074	0.000007	0.000077	< 0.000005
U [mg/L]	0.0158	0.00678	0.00169	0.00898	0.000900	0.403	0.000539
V [mg/L]	0.00465	0.0135	0.135	0.155	0.0767	0.0513	0.0975
Zn [mg/L]	0.002	0.003	0.002	0.004	< 0.002	0.010	< 0.002

Analysis	17: CV13-ORE-13	18: CV13-WR-14	19: CV13-WR-15	20: CV13-ORE-16	21: CV13-WR-17	22: CV13-WR-18	23: CV13-WR-19
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	100	100	100	100	100	100	100
Volume D.I. Water [mL]	400	400	400	400	400	400	400
pH [No unit]	9.70	8.39	8.27	9.06	8.73	8.65	8.81
Conductivity [uS/cm]	370	324	310	330	310	198	283
Alkalinity [mg/L as CaCO3]	128	85	71	145	111	76	95
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	18.3	3.06	0.90	5.04	1.12	1.71	4.20
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	36	29	< 20	22	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	3.80	0.636	0.379	2.33	0.484	0.354	0.308
As [mg/L]	8.70	1.47	0.0036	94.4	2.96	1.36	1.78
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	0.00010	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.00289	0.00445	0.00315	0.00220	0.00423	0.00223	0.00319
Be [mg/L]	0.000951	0.000015	< 0.000007	0.001924	0.000008	0.000008	0.000020
B [mg/L]	1.60	0.196	0.115	1.69	0.085	0.197	0.252
Bi [mg/L]	0.00009	< 0.00001	< 0.00001	0.00524	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.16	3.92	9.10	0.28	3.28	5.52	4.04
Cd [mg/L]	0.000049	0.000016	0.000005	0.000033	0.000003	< 0.000003	0.000008
Co [mg/L]	0.000299	0.000463	0.000042	0.000142	0.000320	0.000282	0.000315

OnLine LIMS

00035497B5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11027-SEP23**

Analysis	17: CV13-ORE-13	18: CV13-WR-14	19: CV13-WR-15	20: CV13-ORE-16	21: CV13-WR-17	22: CV13-WR-18	23: CV13-WR-19
Cr [mg/L]	0.00578	0.00382	0.00059	0.00361	0.0696	0.00820	0.0107
Cu [mg/L]	0.0035	0.0068	0.0024	0.0026	0.0010	0.0017	0.0023
Fe [mg/L]	0.900	0.412	0.081	0.449	0.144	0.144	0.225
K [mg/L]	5.01	28.0	9.53	0.800	34.1	2.61	19.0
Li [mg/L]	1.86	4.23	0.433	0.126	3.68	3.02	4.80
Mg [mg/L]	0.500	1.43	5.61	0.032	5.58	5.48	2.60
Mn [mg/L]	0.0614	0.01050	0.00208	0.00987	0.00242	0.00379	0.00571
Mo [mg/L]	0.00522	0.00259	0.00430	0.0148	0.00160	0.00054	0.00197
Na [mg/L]	76.8	29.9	32.6	35.7	19.8	17.7	27.0
Ni [mg/L]	0.0007	0.0011	0.0001	0.0006	0.0015	0.0011	0.0013
P [mg/L]	1.04	0.143	0.127	0.328	0.052	0.066	0.081
Pb [mg/L]	0.00344	0.00126	0.00025	0.00389	< 0.00009	< 0.00009	0.00018
Sb [mg/L]	1.30	0.246	0.0013	2.07	0.636	0.933	0.355
Se [mg/L]	0.00028	0.00183	0.00262	0.00032	0.00125	0.00140	0.00051
Si [mg/L]	13.9	5.57	3.42	8.33	5.22	5.48	6.20
Sn [mg/L]	0.00469	0.00007	< 0.00006	0.00310	< 0.00006	< 0.00006	0.00011
Sr [mg/L]	0.00093	0.00469	0.00979	0.00031	0.00261	0.00417	0.00402
Ti [mg/L]	0.0287	0.0293	0.00487	0.00876	0.00545	0.00558	0.00854
Tl [mg/L]	0.00113	0.000104	0.000006	0.000204	0.000066	0.000014	0.000155
U [mg/L]	0.421	0.000562	0.000889	0.299	0.000216	0.000709	0.000234
V [mg/L]	0.0750	0.131	0.0234	0.00525	0.0724	0.110	0.109
Zn [mg/L]	0.003	0.004	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	24: CV13-WR-20	25: CV13-WR-21	26: CV13-WR-22	27: CV13-WR-23	28: CV13-WR-24	29: CV13-WR-25	30: CV13-WR-26
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	100	100	100	100	100	100	100
Volume D.I. Water [mL]	400	400	400	400	400	400	400
pH [No unit]	8.67	8.90	8.57	8.62	8.47	7.37	7.87
Conductivity [uS/cm]	300	353	417	475	320	1090	729
Alkalinity [mg/L as CaCO3]	109	156	163	215	95	25	57
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	2.39	0.30	< 0.06	0.15	0.96	0.48	0.33
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	27	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	41	< 20	34	250	170
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.739	0.035	0.003	0.004	0.712	0.027	0.066
As [mg/L]	6.57	32.9	0.0195	1.87	0.0213	0.0008	0.0021
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00006	0.00010	0.00033
Ba [mg/L]	0.00548	0.00567	0.00436	0.00300	0.00312	0.234	0.0563
Be [mg/L]	0.000023	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.424	0.151	0.036	0.059	0.155	0.048	0.023

OnLine LIMS

00035497B5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11027-SEP23**

Analysis	24: CV13-WR-20	25: CV13-WR-21	26: CV13-WR-22	27: CV13-WR-23	28: CV13-WR-24	29: CV13-WR-25	30: CV13-WR-26
Bi [mg/L]	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	5.53	8.08	5.45	5.30	3.93	59.8	30.6
Cd [mg/L]	0.000007	0.000003	< 0.000003	< 0.000003	< 0.000003	0.00260	0.000058
Co [mg/L]	0.00144	0.000246	0.000146	0.000208	0.000082	0.00447	0.000182
Cr [mg/L]	0.0324	0.287	0.126	0.0894	0.00042	< 0.00008	0.00047
Cu [mg/L]	0.0018	0.0010	0.0013	0.0002	0.0035	0.0050	0.0404
Fe [mg/L]	0.420	0.051	< 0.007	< 0.007	0.096	0.007	0.008
K [mg/L]	9.04	3.31	1.02	0.779	26.0	85.5	47.6
Li [mg/L]	3.77	0.0669	0.0121	0.0261	4.08	4.38	3.05
Mg [mg/L]	3.84	31.1	64.2	60.0	3.37	33.9	24.6
Mn [mg/L]	0.0113	0.00197	0.00091	0.00031	0.00232	0.0790	0.00567
Mo [mg/L]	0.00104	0.00243	0.00295	0.00044	0.00183	0.00878	0.00580
Na [mg/L]	39.3	24.1	2.23	2.79	31.2	45.9	38.0
Ni [mg/L]	0.0054	0.0098	0.0135	0.0131	0.0002	0.0013	0.0010
P [mg/L]	0.083	0.026	0.004	0.005	0.047	0.004	0.013
Pb [mg/L]	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	1.45	0.324	0.0261	0.188	0.0476	0.0011	0.0027
Se [mg/L]	0.00072	0.00047	0.00035	0.00105	0.00044	0.0109	0.00166
Si [mg/L]	6.24	17.0	2.72	4.85	3.05	6.03	6.00
Sn [mg/L]	0.00010	< 0.00006	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006
Sr [mg/L]	0.00530	0.0353	0.0226	0.0274	0.00388	0.119	0.04613
Ti [mg/L]	0.0161	0.00043	< 0.00007	< 0.00007	0.00544	0.00016	0.00016
Tl [mg/L]	0.000143	0.000009	0.000190	0.000028	0.000014	0.000013	0.000015
U [mg/L]	0.00163	0.000544	0.000023	0.00201	0.0247	0.000940	0.00355
V [mg/L]	0.106	0.0284	0.00018	0.00035	0.0386	0.00126	0.00597
Zn [mg/L]	0.003	< 0.002	0.006	< 0.002	< 0.002	0.262	0.002

Analysis	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30	35: CV13-WR-15	36: CV13-WR-30	37:BLK: CTEU Blank
Sample Date & Time	NA	NA	NA	NA			
Sample weight [g]	100	100	100	100	100	100	---
Volume D.I. Water [mL]	400	400	400	400	400	400	400
pH [No unit]	7.74	8.33	9.68	8.19	8.02	7.92	7.66
Conductivity [uS/cm]	1470	311	328	190	274	136	36
Alkalinity [mg/L as CaCO3]	86	104	160	72	62	51	12
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	6.12	1.14	0.56	0.88	0.50	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	420	< 20	< 20	< 20	32	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Al [mg/L]	0.009	1.57	1.78	0.605	0.403	0.601	0.008
As [mg/L]	0.0444	0.0213	0.494	0.0468	0.0084	0.0458	0.0034

OnLine LIMS

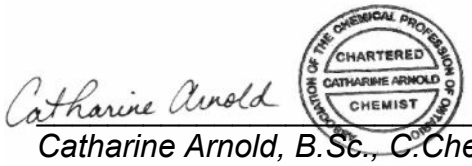
0003549785

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11027-SEP23**

Analysis	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30	35: CV13-WR-15	36: CV13-WR-30	37:BLK: CTEU Blank
Ag [mg/L]	< 0.00005	< 0.00005	0.00006	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Ba [mg/L]	0.0118	0.00306	0.00089	0.00033	0.00521	0.00033	0.00031
Be [mg/L]	< 0.000007	0.000007	0.000862	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.037	0.040	0.239	0.039	0.106	0.031	0.050
Bi [mg/L]	< 0.00001	< 0.00001	0.00009	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	226	1.97	0.43	5.40	9.22	5.39	0.19
Cd [mg/L]	0.000004	0.000005	0.000100	< 0.000003	0.000007	0.000003	< 0.000003
Co [mg/L]	0.000052	0.000004	0.000037	0.000029	0.000123	0.000035	0.000008
Cr [mg/L]	< 0.00008	0.00020	0.00037	0.00235	0.00067	0.00228	0.00048
Cu [mg/L]	0.0009	0.0004	0.0014	0.0010	0.0038	0.0010	0.0005
Fe [mg/L]	1.53	0.033	0.054	< 0.007	0.294	< 0.007	< 0.007
K [mg/L]	22.2	48.5	1.30	2.68	9.27	2.59	1.29
Li [mg/L]	0.0943	0.0548	7.61	2.79	0.427	2.74	0.0036
Mg [mg/L]	30.9	0.601	0.031	7.71	5.79	7.76	0.028
Mn [mg/L]	0.883	0.00085	0.0588	0.00145	0.00504	0.00144	0.00014
Mo [mg/L]	0.00275	0.0129	0.00337	0.00276	0.00478	0.00264	0.00016
Na [mg/L]	9.47	19.0	30.6	13.2	30.0	13.2	5.86
Ni [mg/L]	0.0002	< 0.0001	0.0001	0.0001	0.0004	0.0001	0.0001
P [mg/L]	0.003	0.013	0.506	0.034	0.119	0.034	< 0.003
Pb [mg/L]	0.00028	0.00010	0.00107	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0019	0.134	0.0071	0.0012	0.0072	< 0.0009
Se [mg/L]	0.00051	0.00030	0.00020	0.00181	0.00279	0.00176	< 0.00004
Si [mg/L]	2.29	3.02	14.9	6.41	3.57	6.52	0.19
Sn [mg/L]	< 0.00006	< 0.00006	0.00064	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.118	0.00313	0.00046	0.00303	0.00949	0.00300	0.00021
Ti [mg/L]	< 0.00007	0.00153	0.00048	0.00026	0.0163	0.00026	0.00025
Tl [mg/L]	< 0.000005	0.000014	0.000169	0.000024	< 0.000005	0.000021	< 0.000005
U [mg/L]	0.00101	0.00646	0.0751	0.00185	0.000290	0.00180	0.000110
V [mg/L]	0.00015	0.00214	0.00093	0.116	0.0221	0.116	0.00014
Zn [mg/L]	< 0.002	< 0.002	0.004	< 0.002	0.002	< 0.002	< 0.002



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003549785

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-November-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 24 October 2023
LR Report: **CA11065-OCT23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2	6: CV5-WR-HCT-5	8: CV5-WR-HCT-14
Sample Date & Time					N/A	N/A	N/A
Malvern	02-Nov-23	---	02-Nov-23	---	02-Nov-23	02-Nov-23	02-Nov-23
	02-Nov-23	---	02-Nov-23	---	02-Nov-23	02-Nov-23	02-Nov-23

Analysis	9: CV5-WR-HCT-22	10: CV5-WR-HCT-33	11: CV5-WR-HCT-36	12: CV5-WR-HCT-39	13: CV5-WR-HCT-50	14: CV5-WR-HCT-56	15: CV5-WR-HCT-59
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Malvern	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23
	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23

Analysis	16: CV5-WR-HCT-62	17: CV5-WR-HCT-64	18: CV5-WR-HCT-69	19: CV5-ORE-HCT-74	20: CV5-ORE-HCT-76
Sample Date & Time	N/A	N/A	N/A	N/A	N/A
Malvern	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23
	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23	02-Nov-23

Catharine Arnold

CHARTERED CHEMIST — CATHARINE ARNOLD — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00035205569

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-November-2023

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 24 October 2023
LR Report: **CA11066-OCT23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Sample Date & Time					N/A	N/A
Malvern	02-Nov-23	---	02-Nov-23	---	02-Nov-23	02-Nov-23
	02-Nov-23	---	02-Nov-23	---	02-Nov-23	02-Nov-23

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003520587

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

06-October-2025

Patriot Battery Metals Inc
Attn : Darren Smith

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 05 April 2023
LR Report: **CA11009-APR23**
Reference: Tailing Samples

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83	6: CV5-DMS-HC T-84
Sample Date & Time					N/A	N/A
SiO2 [%]	11-Apr-23	17:10	19-Apr-23	08:55	75.6	75.9
Al2O3 [%]	11-Apr-23	17:10	19-Apr-23	08:55	13.2	12.9
Fe2O3 [%]	11-Apr-23	17:10	19-Apr-23	08:55	0.30	0.29
MgO [%]	11-Apr-23	17:10	19-Apr-23	08:55	0.06	0.04
CaO [%]	11-Apr-23	17:10	19-Apr-23	08:55	0.18	0.21
Na2O [%]	11-Apr-23	17:10	19-Apr-23	08:55	3.65	3.92
K2O [%]	11-Apr-23	17:10	19-Apr-23	08:55	5.40	4.94
TiO2 [%]	11-Apr-23	17:10	19-Apr-23	08:55	< 0.01	< 0.01
P2O5 [%]	11-Apr-23	17:10	19-Apr-23	08:55	0.18	0.20
MnO [%]	11-Apr-23	17:10	19-Apr-23	08:55	0.02	0.02
Cr2O3 [%]	11-Apr-23	17:10	19-Apr-23	08:55	0.03	0.03
V2O5 [%]	11-Apr-23	17:10	19-Apr-23	08:55	< 0.01	< 0.01
LOI [%]	11-Apr-23	17:10	19-Apr-23	08:55	0.53	0.55
Sum [%]	11-Apr-23	17:10	19-Apr-23	08:55	99.1	99.0

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

000428154

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11009-APR23**

Method Descriptions

Parameter	Units	SGS Method Code
Inorganics-General	%	

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004281554

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-October-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 03 October 2024
LR Report: **CA10033-OCT24**
Reference: Wk#75

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#75	6: CV5-WR-HCT-5 Wk#75	7: CV5-WR-HCT-5 (DUP) Wk#75	8: CV5-WR-HCT-14 Wk#75	9: CV5-WR-HCT-22 Wk#75	10: CV5-WR-HCT-33 Wk#75	11: CV5-WR-HCT-36 Wk#75
Sample Date & Time			02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24
HumCell Leachate Vol [mL]	03-Oct-24	16:57	915	942	951	989	986	962	972
pH [No unit]	07-Oct-24	12:42	6.60	7.17	6.91	7.50	7.03	7.15	7.23
Conductivity [uS/cm]	07-Oct-24	12:43	40	24	15	31	11	12	15

Analysis	12: CV5-WR-HCT-39 Wk#75	13: CV5-WR-HCT-50 Wk#75	14: CV5-WR-HCT-56 Wk#75	15: CV5-WR-HCT-59 Wk#75	16: CV5-WR-HCT-62 Wk#75	17: CV5-WR-HCT-64 Wk#75	18: CV5-WR-HCT-69 Wk#75	19: CV5-ORE-HCT-74 Wk#75	20: CV5-ORE-HCT-76 Wk#75
Sample Date & Time	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24
HumCell Leachate Vol [mL]	925	992	984	991	924	1001	1006	1001	950
pH [No unit]	6.40	6.49	7.15	6.60	7.15	7.09	7.15	6.66	7.06
Conductivity [uS/cm]	20	46	30	20	18	7	12	3	11



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003893180

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-September-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 September 2024
LR Report: **CA10033-SEP24**
Reference: Wk#71

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#71	6: CV5-WR-HCT-5 Wk#71	7: CV5-WR-HCT-5 (DUP) Wk#71	8: CV5-WR-HCT-14 Wk#71	9: CV5-WR-HCT-22 Wk#71	10: CV5-WR-HCT-33 Wk#71
Sample Date & Time			05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24
HumCell Leachate Vol [mL]	05-Sep-24	13:38	914	912	956	983	959	929
pH [No unit]	06-Sep-24	10:49	6.62	6.96	6.85	7.44	6.56	7.13
Conductivity [uS/cm]	06-Sep-24	10:49	32	21	15	34	9	12

Analysis	11: CV5-WR-HCT-36 Wk#71	12: CV5-WR-HCT-39 Wk#71	13: CV5-WR-HCT-50 Wk#71	14: CV5-WR-HCT-56 Wk#71	15: CV5-WR-HCT-59 Wk#71	16: CV5-WR-HCT-62 Wk#71	17: CV5-WR-HCT-64 Wk#71	18: CV5-WR-HCT-69 Wk#71
Sample Date & Time	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24	05-Sep-24
HumCell Leachate Vol [mL]	955	920	983	966	995	907	1007	981
pH [No unit]	7.16	6.54	6.66	7.12	6.48	7.20	6.96	7.14
Conductivity [uS/cm]	16	21	51	30	18	20	8	12

Analysis	19: CV5-ORE-HCT-74 Wk#71	20: CV5-ORE-HCT-76 Wk#71
Sample Date & Time	05-Sep-24	05-Sep-24
HumCell Leachate Vol [mL]	1001	950
pH [No unit]	6.76	7.20
Conductivity [uS/cm]	4	15



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003858722

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 06 June 2024
LR Report: **CA10034-JUN24**
Reference: Wk#58

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#58	6: CV5-WR-HCT -5 Wk#58	7: CV5-WR-HCT- 5 (DUP) Wk#58	8: CV5-WR-HCT -14 Wk#58	9: CV5-WR-HCT -22 Wk#58
Sample Date & Time			06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24
HumCell Leachate Vol [mL]	19-Jun-24	10:36	930	948	963	987	1014
pH [No unit]	10-Jun-24	11:52	6.81	7.11	7.07	7.53	6.99
Alkalinity [mg/L as CaCO3]	07-Jun-24	12:24	2	4	2	11	3
Conductivity [uS/cm]	07-Jun-24	12:24	33	18	13	26	11
Acidity [mg/L as CaCO3]	07-Jun-24	12:24	2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	10-Jun-24	08:19	< 0.03	0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	13-Jun-24	19:51	10	3	3	< 2	< 2
Ag [mg/L]	11-Jun-24	11:06	< 0.00005	0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-Jun-24	11:06	0.019	0.022	0.019	0.094	0.016
As [mg/L]	11-Jun-24	11:06	0.0020	0.149	0.0894	0.0235	0.0837
Ba [mg/L]	11-Jun-24	11:06	0.00019	0.00018	0.00014	0.00014	0.00010
Be [mg/L]	11-Jun-24	11:06	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	11-Jun-24	11:06	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	11-Jun-24	11:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11-Jun-24	11:06	5.22	3.26	2.25	5.28	1.75
Cd [mg/L]	11-Jun-24	11:06	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	11-Jun-24	11:06	0.000117	0.000179	0.000163	0.000183	0.000115
Cr [mg/L]	11-Jun-24	11:06	0.00014	0.00015	0.00014	0.00012	0.00014
Cu [mg/L]	11-Jun-24	11:06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	11-Jun-24	11:06	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	11-Jun-24	11:06	0.139	0.073	0.056	0.032	0.035
Li [mg/L]	11-Jun-24	11:06	0.0045	0.0058	0.0045	0.0029	0.0039
Mg [mg/L]	11-Jun-24	11:06	0.218	0.133	0.109	0.157	0.197
Mn [mg/L]	11-Jun-24	11:06	0.00145	0.00096	0.00138	0.00471	0.00048
Mo [mg/L]	11-Jun-24	11:06	0.0009	< 0.0004	< 0.0004	< 0.0004	0.0008
Na [mg/L]	11-Jun-24	11:06	0.09	0.04	0.04	0.11	0.07
Ni [mg/L]	11-Jun-24	11:06	0.0005	0.0013	0.0008	0.0004	0.0004
Pb [mg/L]	11-Jun-24	11:06	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	11-Jun-24	11:06	0.0016	0.0327	0.0152	0.0024	0.0038

OnLine LIMS

0003767738

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10034-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#58	6: CV5-WR-HCT -5 Wk#58	7: CV5-WR-HCT-5 (DUP) Wk#58	8: CV5-WR-HCT -14 Wk#58	9: CV5-WR-HCT -22 Wk#58
Se [mg/L]	11-Jun-24	11:06	0.00012	< 0.00004	< 0.00004	0.00007	< 0.00004
Sn [mg/L]	11-Jun-24	11:06	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	11-Jun-24	11:06	0.00819	0.00388	0.00360	0.00323	0.00429
Ti [mg/L]	11-Jun-24	11:06	< 0.0001	0.0001	< 0.0001	0.0002	0.0001
Tl [mg/L]	11-Jun-24	11:05	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	11-Jun-24	11:05	0.000056	0.000014	0.000008	0.000027	0.000127
V [mg/L]	11-Jun-24	11:05	0.00019	0.00040	0.00032	0.00186	0.00081
W [mg/L]	11-Jun-24	11:05	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	11-Jun-24	11:05	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	11-Jun-24	11:05	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#58	11: CV5-WR-HCT -36 Wk#58	12: CV5-WR-HCT -39 Wk#58	13: CV5-WR-HCT -50 Wk#58	14: CV5-WR-HCT -56 Wk#58	15: CV5-WR-HCT -59 Wk#58	16: CV5-WR-HCT -62 Wk#58
Sample Date & Time	06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24
HumCell Leachate Vol [mL]	970	974	949	993	990	995	914
pH [No unit]	7.14	7.34	6.42	7.16	7.19	6.29	7.25
Alkalinity [mg/L as CaCO3]	5	4	< 2	6	7	< 2	8
Conductivity [uS/cm]	11	14	17	54	24	11	20
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	9	< 2	2	< 2
Tot.Reactive P [mg/L]	< 0.03	0.27	< 0.03	< 0.03	< 0.03	< 0.03	0.16
SO4 [mg/L]	< 2	< 2	5	9	5	3	3
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.066	0.001	0.011	0.030	0.039	0.002	0.002
As [mg/L]	0.0040	0.762	0.0126	0.0026	0.0085	0.129	0.509
Ba [mg/L]	0.00018	0.00051	0.00018	0.00028	0.00034	0.00015	0.00037
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.48	2.08	2.66	8.39	4.79	1.55	2.99
Cd [mg/L]	0.000013	< 0.000003	0.000006	0.000103	0.000012	< 0.000003	< 0.000003
Co [mg/L]	0.000058	0.000383	0.000135	0.00437	0.000057	0.00288	0.000454
Cr [mg/L]	0.00017	0.00020	0.00010	0.00020	0.00013	0.00017	0.00010
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.008	< 0.007
K [mg/L]	0.039	0.035	0.128	0.149	0.128	0.029	0.026
Li [mg/L]	0.0017	0.0014	0.0053	0.0089	0.0015	0.0012	0.0002
Mg [mg/L]	0.065	0.498	0.243	0.086	0.129	0.274	0.870
Mn [mg/L]	0.00704	0.00194	0.00171	0.00972	0.00512	0.00499	0.00271
Mo [mg/L]	0.0350	< 0.0004	< 0.0004	0.0316	0.0294	< 0.0004	0.0008
Na [mg/L]	0.10	0.01	0.08	0.12	0.07	0.03	0.01
Ni [mg/L]	0.0001	0.0070	0.0004	0.0034	0.0002	0.0235	0.0064
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00013	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.295	0.0067	0.0128	< 0.0009	0.0028	0.374

OnLine LMS

0003766738

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10034-JUN24**

Analysis	10: CV5-WR-HCT -33 Wk#58	11: CV5-WR-HCT -36 Wk#58	12: CV5-WR-HCT -39 Wk#58	13: CV5-WR-HCT -50 Wk#58	14: CV5-WR-HCT -56 Wk#58	15: CV5-WR-HCT -59 Wk#58	16: CV5-WR-HCT -62 Wk#58
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	0.00062	< 0.00004	< 0.00004	0.00005
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00262	0.00176	0.00572	0.00429	0.00375	0.00551	0.00130
Ti [mg/L]	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000019	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000020	0.000012	0.000161	0.00137	0.000276	0.000003	0.000032
V [mg/L]	0.00050	0.00015	0.00021	0.00006	0.00027	0.00016	0.00012
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.015	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#58	18: CV5-WR-HCT -69 Wk#58	19: CV5-ORE-HCT -74 Wk#58	20: CV5-ORE-HCT -76 Wk#58
Sample Date & Time	06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24
HumCell Leachate Vol [mL]	1015	1016	1015	1000
pH [No unit]	6.99	7.17	6.51	7.19
Alkalinity [mg/L as CaCO3]	4	5	< 2	6
Conductivity [uS/cm]	7	10	2	12
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.026	0.052	0.015	0.033
As [mg/L]	0.0041	0.0030	0.0066	0.0016
Ba [mg/L]	< 0.00008	0.00011	0.00009	< 0.00008
Be [mg/L]	0.000012	0.000109	< 0.000007	0.000039
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00014	< 0.00001	0.00006
Ca [mg/L]	1.60	2.19	0.49	2.46
Cd [mg/L]	0.000003	< 0.000003	0.000019	< 0.000003
Co [mg/L]	0.000056	0.000008	0.000010	0.000011
Cr [mg/L]	0.00013	0.00012	0.00012	0.00013
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.146	0.062	0.091	0.180
Li [mg/L]	0.0011	0.0010	0.0057	0.0054
Mg [mg/L]	0.033	0.021	0.014	0.072
Mn [mg/L]	0.00483	0.00250	0.0537	0.00064
Mo [mg/L]	0.0008	< 0.0004	0.0329	0.0011
Na [mg/L]	0.03	0.09	0.10	0.07
Ni [mg/L]	0.0002	0.0002	0.0001	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00016
Sb [mg/L]	0.0010	0.0013	0.0064	< 0.0009

OnLine LIMS

0003766738

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10034-JUN24**

Analysis	17: CV5-WR-HCT-64 Wk#58	18: CV5-WR-HCT-69 Wk#58	19: CV5-ORE-HCT-74 Wk#58	20: CV5-ORE-HCT-76 Wk#58
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00174	0.00335	0.00087	0.00430
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000022	< 0.000005	0.000028	0.000011
U [mg/L]	0.000292	0.00258	0.000348	0.000711
V [mg/L]	0.00003	0.00005	0.00003	0.00006
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003766738

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 08 August 2024
LR Report: **CA10040-AUG24**
Reference: Wk#67

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#67	6: CV5-WR-HCT-5 Wk#67	7: CV5-WR-HCT-5 (DUP) Wk#67	8: CV5-WR-HCT-1 4 Wk#67	9: CV5-WR-HCT-2 2 Wk#67	10: CV5-WR-HCT-3 3 Wk#67
Sample Date & Time			08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24
HumCell Leachate Vol [mL]	08-Aug-24	12:12	939	946	967	1011	979	953
pH [No unit]	13-Aug-24	10:27	6.83	7.03	6.81	7.74	6.86	7.18
Conductivity [uS/cm]	13-Aug-24	09:40	33	20	15	28	7	12

Analysis	11: CV5-WR-HCT-3 6 Wk#67	12: CV5-WR-HCT-3 9 Wk#67	13: CV5-WR-HCT-5 0 Wk#67	14: CV5-WR-HCT-5 6 Wk#67	15: CV5-WR-HCT-5 9 Wk#67	16: CV5-WR-HCT-6 2 Wk#67	17: CV5-WR-HCT-6 4 Wk#67	18: CV5-WR-HCT-6 9 Wk#67
Sample Date & Time	08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24	08-Aug-24
HumCell Leachate Vol [mL]	959	950	982	975	1011	919	1002	1001
pH [No unit]	7.23	6.20	6.79	7.16	6.43	7.13	6.98	6.85
Conductivity [uS/cm]	18	24	45	30	16	22	7	2

Analysis	19: CV5-ORE-HCT- 74 Wk#67	20: CV5-ORE-HCT- 76 Wk#67
Sample Date & Time	08-Aug-24	08-Aug-24
HumCell Leachate Vol [mL]	966	928
pH [No unit]	6.99	7.20
Conductivity [uS/cm]	10	13



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNMS

0003816534

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

11-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 April 2024
LR Report: **CA10042-APR24**
Reference: Wk#49

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#49	6: CV5-DMS-HCT-84 Wk#49
Sample Date & Time			04-Apr-24	04-Apr-24
HumCell Leachate Vol [mL]	05-Apr-24	16:30	993	981
pH [No unit]	05-Apr-24	12:22	6.20	6.12
Alkalinity [mg/L as CaCO3]	05-Apr-24	12:22	< 2	< 2
Conductivity [uS/cm]	05-Apr-24	12:22	< 2	< 2
Acidity [mg/L as CaCO3]	05-Apr-24	12:22	2	3
Tot.Reactive P [mg/L]	09-Apr-24	09:32	< 0.03	< 0.03
SO4 [mg/L]	05-Apr-24	15:22	< 2	< 2
Ag [mg/L]	09-Apr-24	17:25	< 0.00005	< 0.00005
Al [mg/L]	09-Apr-24	17:25	0.008	0.007
As [mg/L]	09-Apr-24	17:25	0.0030	0.0022
Ba [mg/L]	09-Apr-24	17:25	< 0.00008	< 0.00008
Be [mg/L]	09-Apr-24	17:25	0.000009	0.000010
B [mg/L]	09-Apr-24	17:25	< 0.002	< 0.002
Bi [mg/L]	09-Apr-24	17:25	0.00002	0.00003
Ca [mg/L]	09-Apr-24	17:25	0.29	0.27
Cd [mg/L]	09-Apr-24	17:25	< 0.000003	< 0.000003
Co [mg/L]	09-Apr-24	17:25	0.000005	0.000005
Cr [mg/L]	09-Apr-24	17:25	< 0.00008	< 0.00008
Cu [mg/L]	09-Apr-24	17:25	< 0.001	< 0.001
Fe [mg/L]	09-Apr-24	17:25	< 0.007	< 0.007
K [mg/L]	09-Apr-24	17:25	0.053	0.043
Li [mg/L]	09-Apr-24	17:25	0.0004	0.0004
Mg [mg/L]	09-Apr-24	17:25	0.010	0.009
Mn [mg/L]	09-Apr-24	17:25	0.00088	0.00122
Mo [mg/L]	09-Apr-24	17:25	< 0.0004	< 0.0004
Na [mg/L]	09-Apr-24	17:25	0.02	0.02
Ni [mg/L]	09-Apr-24	17:25	< 0.0001	< 0.0001
Pb [mg/L]	09-Apr-24	17:25	< 0.00009	< 0.00009
Sb [mg/L]	09-Apr-24	17:25	0.0011	0.0011
Se [mg/L]	09-Apr-24	17:25	< 0.00004	< 0.00004
Sn [mg/L]	09-Apr-24	17:25	0.00007	0.00009
Sr [mg/L]	09-Apr-24	17:25	0.00069	0.00062
Ti [mg/L]	09-Apr-24	17:25	< 0.0001	< 0.0001
Tl [mg/L]	09-Apr-24	17:25	0.000010	0.000008
U [mg/L]	09-Apr-24	17:25	0.000576	0.000646

OnLine LIMS

0003676082

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10042-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#49	6: CV5-DMS-HCT-84 Wk#49
V [mg/L]	09-Apr-24	17:25	0.00001	< 0.00001
W [mg/L]	09-Apr-24	17:25	< 0.0002	< 0.0002
Y [mg/L]	09-Apr-24	17:25	< 0.00002	< 0.00002
Zn [mg/L]	09-Apr-24	17:25	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003676082

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 April 2024
LR Report: **CA10043-APR24**
Reference: Wk#49

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#49	6: CV5-WR-HCT-5 Wk#49	7: CV5-WR-HCT-5 (DUP) Wk#49	8: CV5-WR-HCT-14 Wk#49	9: CV5-WR-HCT-22 Wk#49
Sample Date & Time			04-Apr-24	04-Apr-24	04-Apr-24	04-Apr-24	04-Apr-24
HumCell Leachate Vol [mL]	05-Apr-24	16:30	975	949	968	989	1000
pH [No unit]	09-Apr-24	13:38	6.68	6.90	6.83	7.75	6.94
Alkalinity [mg/L as CaCO3]	09-Apr-24	13:38	2	3	2	13	4
Conductivity [uS/cm]	05-Apr-24	15:41	28	17	12	32	12
Acidity [mg/L as CaCO3]	09-Apr-24	13:19	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	09-Apr-24	09:33	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	12-Apr-24	12:56	8	3	3	< 2	< 2
Ag [mg/L]	09-Apr-24	17:26	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	09-Apr-24	17:26	0.020	0.022	0.018	0.106	0.021
As [mg/L]	09-Apr-24	17:26	0.0027	0.144	0.108	0.0344	0.104
Ba [mg/L]	09-Apr-24	17:26	0.00017	0.00015	0.00012	< 0.00008	0.00010
Be [mg/L]	09-Apr-24	17:26	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	09-Apr-24	17:26	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	09-Apr-24	17:26	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	09-Apr-24	17:26	3.99	2.79	1.81	5.34	1.83
Cd [mg/L]	09-Apr-24	17:26	< 0.000003	0.000005	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	09-Apr-24	17:26	0.000082	0.000212	0.000182	0.000052	0.000149
Cr [mg/L]	09-Apr-24	17:26	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	09-Apr-24	17:26	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	09-Apr-24	17:26	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	09-Apr-24	17:26	0.120	0.067	0.055	0.029	0.035
Li [mg/L]	09-Apr-24	17:26	0.0043	0.0054	0.0048	0.0032	0.0043
Mg [mg/L]	09-Apr-24	17:26	0.197	0.134	0.110	0.181	0.218
Mn [mg/L]	09-Apr-24	17:26	0.00077	0.00097	0.00099	0.00518	0.00059
Mo [mg/L]	09-Apr-24	17:26	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	09-Apr-24	17:26	0.10	0.06	0.04	0.13	0.08
Ni [mg/L]	09-Apr-24	17:26	0.0003	0.0013	0.0008	0.0002	0.0004
Pb [mg/L]	09-Apr-24	17:26	< 0.00009	< 0.00009	< 0.00009	0.00009	< 0.00009
Sb [mg/L]	09-Apr-24	17:26	0.0019	0.0307	0.0168	0.0033	0.0043
Se [mg/L]	09-Apr-24	17:26	0.00014	0.00004	< 0.00004	0.00011	< 0.00004

OnLine LIMS

0003681549

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10043-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#49	6: CV5-WR-HCT-5 Wk#49	7: CV5-WR-HCT-5 (DUP) Wk#49	8: CV5-WR-HCT-14 Wk#49	9: CV5-WR-HCT-22 Wk#49
Sn [mg/L]	09-Apr-24	17:26	0.00007	< 0.00006	0.00008	0.00032	0.00011
Sr [mg/L]	09-Apr-24	17:26	0.00750	0.00414	0.00345	0.00365	0.00508
Ti [mg/L]	09-Apr-24	17:26	< 0.0001	< 0.0001	< 0.0001	0.00013	0.00019
Tl [mg/L]	09-Apr-24	17:26	< 0.000005	0.000005	< 0.000005	< 0.000005	0.000005
U [mg/L]	09-Apr-24	17:26	0.000113	0.000068	0.000014	0.000024	0.000171
V [mg/L]	09-Apr-24	17:26	0.00021	0.00038	0.00037	0.00229	0.00095
W [mg/L]	09-Apr-24	17:26	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	09-Apr-24	17:26	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	09-Apr-24	17:26	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT-33 Wk#49	11: CV5-WR-HCT-36 Wk#49	12: CV5-WR-HCT-39 Wk#49	13: CV5-WR-HCT-50 Wk#49	14: CV5-WR-HCT-56 Wk#49	15: CV5-WR-HCT-59 Wk#49	16: CV5-WR-HCT-62 Wk#49
Sample Date & Time	04-Apr-24	04-Apr-24	04-Apr-24	04-Apr-24	04-Apr-24	04-Apr-24	04-Apr-24
HumCell Leachate Vol [mL]	951	990	920	999	1003	1004	947
pH [No unit]	7.47	7.07	6.44	7.25	7.29	6.13	7.40
Alkalinity [mg/L as CaCO3]	5	5	< 2	9	6	< 2	7
Conductivity [uS/cm]	12	15	20	48	27	10	18
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	2	< 2
Tot.Reactive P [mg/L]	< 0.03	0.28	< 0.03	< 0.03	< 0.03	< 0.03	0.07
SO4 [mg/L]	< 2	< 2	6	8	6	3	2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.051	< 0.001	0.017	0.021	0.035	0.004	< 0.001
As [mg/L]	0.0040	1.21	0.0154	0.0035	0.0116	0.120	0.502
Ba [mg/L]	0.00013	0.00049	0.00016	0.00023	0.00034	0.00012	0.00028
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.89	2.00	2.49	7.22	4.73	1.31	2.12
Cd [mg/L]	< 0.000003	< 0.000003	0.000005	0.000055	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000050	0.000395	0.000135	0.003400	0.000070	0.001203	0.000456
Cr [mg/L]	< 0.00008	0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.034	0.035	0.134	0.141	0.144	0.023	0.018
Li [mg/L]	0.0015	0.0016	0.0055	0.0083	0.0018	0.0009	0.0003
Mg [mg/L]	0.063	0.463	0.253	0.076	0.147	0.218	0.567
Mn [mg/L]	0.00579	0.00150	0.00150	0.01067	0.00691	0.00250	0.00259
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.08	0.03	0.08	0.09	0.06	0.03	0.01
Ni [mg/L]	< 0.0001	0.0093	0.0003	0.0023	0.0003	0.0092	0.0063
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.337	0.0075	0.0147	< 0.0009	0.0024	0.355
Se [mg/L]	0.00006	< 0.00004	0.00008	0.00052	0.00004	0.00005	0.00006
Sn [mg/L]	0.00009	0.00013	0.00013	0.00012	0.00009	0.00046	0.00008
Sr [mg/L]	0.00175	0.00210	0.00647	0.00444	0.00431	0.00529	0.00110

OnLine LMS

0003681549

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10043-APR24**

Analysis	10: CV5-WR-HCT-3 3 Wk#49	11: CV5-WR-HCT-3 6 Wk#49	12: CV5-WR-HCT-3 9 Wk#49	13: CV5-WR-HCT-5 0 Wk#49	14: CV5-WR-HCT-5 6 Wk#49	15: CV5-WR-HCT-5 9 Wk#49	16: CV5-WR-HCT-6 2 Wk#49
Ti [mg/L]	0.00014	< 0.0001	0.00018	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000005	0.000023	< 0.000005	0.000005	< 0.000005
U [mg/L]	0.000038	0.000016	0.000232	0.00143	0.000463	0.000015	0.000040
V [mg/L]	0.00048	0.00013	0.00024	0.00004	0.00029	0.00019	0.00011
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.010	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT-6 4 Wk#49	18: CV5-WR-HCT-6 9 Wk#49	19: CV5-ORE-HCT -74 Wk#49	20: CV5-ORE-HCT -76 Wk#49
Sample Date & Time	04-Apr-24	04-Apr-24	04-Apr-24	04-Apr-24
HumCell Leachate Vol [mL]	1012	1008	1002	1001
pH [No unit]	7.14	7.35	6.69	7.30
Alkalinity [mg/L as CaCO3]	4	6	2	8
Conductivity [uS/cm]	9	12	3	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.024	0.047	0.013	0.027
As [mg/L]	0.0053	0.0032	0.0076	0.0026
Ba [mg/L]	< 0.00008	0.00008	< 0.00008	0.00008
Be [mg/L]	0.000007	0.000052	< 0.000007	0.000030
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00014	< 0.00001	0.00008
Ca [mg/L]	1.70	2.04	0.55	2.26
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000004	0.000006	0.000004	0.000011
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.138	0.053	0.082	0.159
Li [mg/L]	0.0012	0.0011	0.0051	0.0049
Mg [mg/L]	0.040	0.024	0.009	0.076
Mn [mg/L]	0.00491	0.00246	0.05889	0.00068
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.10	0.07	0.07
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0011	0.0013	0.0066	0.0011
Se [mg/L]	< 0.00004	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	0.00010	< 0.00006	0.00043	0.00021
Sr [mg/L]	0.00207	0.00333	0.00089	0.00453
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000026	0.000005	0.000026	0.000013

OnLine LMS

0003681549

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10043-APR24**

Analysis	17: CV5-WR-HCT-64 Wk#49	18: CV5-WR-HCT-69 Wk#49	19: CV5-ORE-HCT-74 Wk#49	20: CV5-ORE-HCT-76 Wk#49
U [mg/L]	0.000464	0.00303	0.000471	0.000930
V [mg/L]	0.00001	0.00004	0.00001	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003681549

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-December-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 December 2024
LR Report: **CA10046-DEC24**
Reference: Wk#84

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#84	6: CV5-WR-HCT-5 Wk#84	7: CV5-WR-HCT-5 (DUP) Wk#84	8: CV5-WR-HCT-14 Wk#84	9: CV5-WR-HCT-22 Wk#84
Sample Date & Time			05-Dec-24	05-Dec-24	05-Dec-24	05-Dec-24	05-Dec-24
HumCell Leachate Vol [mL]	05-Dec-24	14:07	942	952	962	1004	978
pH [No unit]	06-Dec-24	13:47	942.00	952.00	962.00	1004.00	978.00
Alkalinity [mg/L as CaCO3]	06-Dec-24	13:47	7	7	7	7	7
Conductivity [uS/cm]	06-Dec-24	13:47	3	5	3	11	3
Acidity [mg/L as CaCO3]	06-Dec-24	13:47	< 2	< 2	< 2	< 2	< 2
Acidity [mg/L as CaCO3]	19-Dec-24	11:19	---	---	---	---	---
F [mg/L]	06-Dec-24	09:07	< 0.06	---	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	06-Dec-24	08:39	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	17-Dec-24	12:42	-0	0	-0	-0	0
Cl [mg/L]	17-Dec-24	12:42	11	4	3	< 2	< 2
NO2 [as N mg/L]	06-Dec-24	12:34	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	06-Dec-24	12:34	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	06-Dec-24	12:34	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	09-Dec-24	13:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	09-Dec-24	11:02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	09-Dec-24	11:02	0.008	0.018	0.013	0.061	0.015
As [mg/L]	09-Dec-24	11:02	0.0009	0.0804	0.0568	0.0172	0.0500
Ba [mg/L]	09-Dec-24	11:02	0.00020	0.00015	0.00010	0.00012	< 0.00008
Be [mg/L]	09-Dec-24	11:02	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	09-Dec-24	11:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	09-Dec-24	11:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	09-Dec-24	11:02	4.77	3.15	2.14	4.61	1.11
Cd [mg/L]	09-Dec-24	11:02	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	09-Dec-24	11:02	0.000289	0.000195	0.000221	0.000050	0.000115
Cr [mg/L]	09-Dec-24	11:02	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	09-Dec-24	11:02	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	09-Dec-24	11:02	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	09-Dec-24	11:02	0.093	0.041	0.037	0.020	0.015
Li [mg/L]	09-Dec-24	11:02	0.0034	0.0040	0.0035	0.0024	0.0027
Mg [mg/L]	09-Dec-24	11:02	0.144	0.095	0.078	0.112	0.119
Mn [mg/L]	09-Dec-24	11:02	0.00289	0.00125	0.00124	0.00500	0.00026
Mo [mg/L]	09-Dec-24	11:02	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	09-Dec-24	11:02	0.07	0.03	0.03	0.08	0.04

OnLine LIMS

0003973391

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10046-DEC24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#84	6: CV5-WR-HCT-5 Wk#84	7: CV5-WR-HCT-5 (DUP) Wk#84	8: CV5-WR-HCT-1 4 Wk#84	9: CV5-WR-HCT-2 2 Wk#84
Ni [mg/L]	09-Dec-24	11:02	0.0007	0.0013	0.0014	0.0004	0.0007
Pb [mg/L]	09-Dec-24	11:02	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	09-Dec-24	11:02	0.0010	0.0185	0.0099	0.0017	0.0020
Se [mg/L]	09-Dec-24	11:02	0.00010	< 0.00004	< 0.00004	0.00006	< 0.00004
Sn [mg/L]	09-Dec-24	11:02	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	09-Dec-24	11:02	0.00636	0.00292	0.00268	0.00258	0.00268
Ti [mg/L]	09-Dec-24	11:02	< 0.0001	0.0001	< 0.0001	0.0001	0.0002
Tl [mg/L]	09-Dec-24	11:02	0.000005	0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	09-Dec-24	11:02	0.000017	0.000005	0.000005	0.000007	0.000059
V [mg/L]	09-Dec-24	11:02	0.00010	0.00024	0.00019	0.00142	0.00063
W [mg/L]	09-Dec-24	11:02	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	09-Dec-24	11:02	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	09-Dec-24	11:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	09-Dec-24	11:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	09-Dec-24	11:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	09-Dec-24	11:02	0.0048	0.0055	0.0059	0.0012	0.0028
Dy (tot) [mg/L]	09-Dec-24	11:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	09-Dec-24	11:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	09-Dec-24	11:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	13-Dec-24	12:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	13-Dec-24	12:33	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	09-Dec-24	11:03	0.0022	0.0017	0.0017	0.0002	0.0007
Re (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	09-Dec-24	11:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	09-Dec-24	11:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-3 3 Wk#84	11: CV5-WR-HCT-3 6 Wk#84	12: CV5-WR-HCT-3 9 Wk#84	13: CV5-WR-HCT-5 0 Wk#84	14: CV5-WR-HCT-5 6 Wk#84	15: CV5-WR-HCT-5 9 Wk#84	16: CV5-WR-HCT-6 2 Wk#84
Sample Date & Time	05-Dec-24	05-Dec-24	05-Dec-24	05-Dec-24	05-Dec-24	05-Dec-24	05-Dec-24

OnLine LMS

0003973391

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10046-DEC24**

Analysis	10: CV5-WR-HCT-3 3 Wk#84	11: CV5-WR-HCT-3 6 Wk#84	12: CV5-WR-HCT-3 9 Wk#84	13: CV5-WR-HCT-5 0 Wk#84	14: CV5-WR-HCT-5 6 Wk#84	15: CV5-WR-HCT-5 9 Wk#84	16: CV5-WR-HCT-6 2 Wk#84
HumCell Leachate Vol [mL]	1007	988	936	1010	1006	966	940
pH [No unit]	1007.00	988.00	936.00	1010.00	1006.00	966.00	940.00
Alkalinity [mg/L as CaCO3]	7	7	6	7	7	< 2	7
Conductivity [uS/cm]	5	7	2	4	7	0	5
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	---	< 2	17	< 2
Acidity [mg/L as CaCO3]	---	---	---	10	---	---	---
F [mg/L]	< 0.06	< 0.06	---	0.81	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.00	< 0.03	< 0.03	< 0.03	< 0.03	0.00
SO4 [mg/L]	-0	0	-0	-0	-0	-0	0
Cl [mg/L]	< 2	< 2	6	11	6	5	< 2
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.039	< 0.001	0.006	0.021	0.027	0.004	< 0.001
As [mg/L]	0.0028	0.675	0.0065	0.0005	0.0039	0.0334	0.327
Ba [mg/L]	0.00025	0.00030	0.00012	0.00039	0.00024	0.00012	0.00020
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000048	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.14	1.85	2.49	7.03	4.68	2.10	2.03
Cd [mg/L]	< 0.000003	< 0.000003	0.000012	0.000351	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000068	0.000384	0.000312	0.025317	0.000048	0.003884	0.000369
Cr [mg/L]	< 0.00008	0.00011	< 0.00008	< 0.00008	< 0.00008	0.00022	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	---	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.154	< 0.007	0.012	< 0.007
K [mg/L]	0.024	0.022	0.097	0.107	0.071	0.012	0.013
Li [mg/L]	0.0013	0.0011	0.0048	0.0092	0.0010	0.0009	0.0002
Mg [mg/L]	0.041	0.405	0.210	0.138	0.084	0.222	0.563
Mn [mg/L]	0.00569	0.00121	0.00320	0.02647	0.00393	0.00638	0.00176
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	< 0.01	0.06	0.09	0.04	0.02	< 0.01
Ni [mg/L]	< 0.0001	0.0058	0.0016	0.0384	0.0003	0.0651	0.0046
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.208	0.0048	0.0068	< 0.0009	0.0012	0.233
Se [mg/L]	< 0.00004	< 0.00004	0.00004	0.00045	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	0.00007	0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00166	0.00126	0.00493	0.00353	0.00304	0.00658	0.00086
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000005	0.000006	0.000043	< 0.000005	0.000007	< 0.000005
U [mg/L]	0.000006	0.000008	0.000039	0.000237	0.000165	< 0.000002	0.000020
V [mg/L]	0.00037	0.00011	0.00012	0.00003	0.00016	0.00004	0.00008
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.146	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00008	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0018	0.0076	0.0015	0.0405	0.0140	0.0060	0.0019
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0003973391

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10046-DEC24**

Analysis	10: CV5-WR-HCT-3 3 Wk#84	11: CV5-WR-HCT-3 6 Wk#84	12: CV5-WR-HCT-3 9 Wk#84	13: CV5-WR-HCT-5 0 Wk#84	14: CV5-WR-HCT-5 6 Wk#84	15: CV5-WR-HCT-5 9 Wk#84	16: CV5-WR-HCT-6 2 Wk#84
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00009	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0011	0.0013	0.0067	0.0005	0.0010	0.0008
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	17: CV5-WR-HCT-6 4 Wk#84	18: CV5-WR-HCT-6 9 Wk#84	19: CV5-ORE-HCT-74 Wk#84	20: CV5-ORE-HCT-76 Wk#84
Sample Date & Time	05-Dec-24	05-Dec-24	05-Dec-24	05-Dec-24
HumCell Leachate Vol [mL]	1003	1001	1014	970
pH [No unit]	1003.00	1001.00	1014.00	970.00
Alkalinity [mg/L as CaCO3]	7	7	< 2	7
Conductivity [uS/cm]	3	5	1	5
Acidity [mg/L as CaCO3]	< 2	< 2	2	< 2
Acidity [mg/L as CaCO3]	---	---	---	---
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	-0	-0	0	-0
Cl [mg/L]	< 2	< 2	< 2	< 2
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.014	0.029	0.013	0.022
As [mg/L]	0.0030	0.0013	0.0045	0.0010
Ba [mg/L]	< 0.00008	0.00008	< 0.00008	< 0.00008

OnLine LIMS

0003973391

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10046-DEC24**

Analysis	17: CV5-WR-HCT-64 Wk#84	18: CV5-WR-HCT-69 Wk#84	19: CV5-ORE-HCT-74 Wk#84	20: CV5-ORE-HCT-76 Wk#84
Be [mg/L]	0.000011	0.000124	0.000008	0.000033
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00010	< 0.00001	0.00007
Ca [mg/L]	0.81	1.45	0.31	1.67
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000004	0.000005	0.000016	0.000007
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.101	0.034	0.066	0.125
Li [mg/L]	0.0008	0.0006	0.0058	0.0046
Mg [mg/L]	0.019	0.011	0.007	0.045
Mn [mg/L]	0.00604	0.00203	0.05115	0.00058
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.06	0.06	0.05
Ni [mg/L]	< 0.0001	< 0.0001	0.0006	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0045	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00007
Sr [mg/L]	0.00090	0.00200	0.00057	0.00310
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000032	0.000006	0.000041	0.000016
U [mg/L]	0.000066	0.000985	0.000128	0.000260
V [mg/L]	< 0.00001	0.00003	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0055	0.0011	0.0116	0.0034
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0113	0.0022	0.0103	0.0056
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

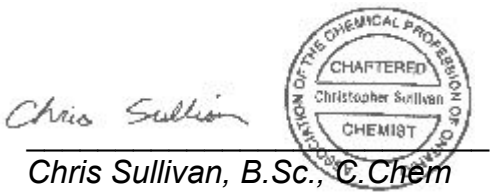
0003973391

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10046-DEC24**

Analysis	17: CV5-WR-HCT-64 Wk#84	18: CV5-WR-HCT-69 Wk#84	19: CV5-ORE-HCT-74 Wk#84	20: CV5-ORE-HCT-76 Wk#84
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003973391

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 March 2024
LR Report: **CA10047-MAR24**
Reference: Wk#45

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#45	6: CV5-DMS-HC T-84 Wk#45
Sample Date & Time			07-Mar-24	07-Mar-24
HumCell Leachate Vol [mL]	07-Mar-24	16:16	1014	1016
pH [No unit]	08-Mar-24	11:23	6.25	6.18
Alkalinity [mg/L as CaCO3]	08-Mar-24	11:23	< 2	< 2
Conductivity [uS/cm]	08-Mar-24	11:23	< 2	2
Acidity [mg/L as CaCO3]	08-Mar-24	11:23	< 2	2
F [mg/L]	08-Mar-24	09:20	< 0.06	< 0.06
Tot.Reactive P [mg/L]	11-Mar-24	08:47	< 0.03	< 0.03
SO4 [mg/L]	08-Mar-24	17:02	< 2	< 2
Cl [mg/L]	08-Mar-24	17:02	< 1	< 1
NO2 [as N mg/L]	08-Mar-24	15:25	< 0.03	< 0.03
NO3 [as N mg/L]	08-Mar-24	15:25	< 0.06	< 0.06
Br [mg/L]	08-Mar-24	15:25	< 0.3	< 0.3
Hg [mg/L]	11-Mar-24	15:53	< 0.00001	< 0.00001
Ag [mg/L]	14-Mar-24	14:13	< 0.00005	< 0.00005
Al [mg/L]	14-Mar-24	14:13	0.008	0.010
As [mg/L]	14-Mar-24	14:13	0.0032	0.0025
Ba [mg/L]	14-Mar-24	14:13	< 0.00008	< 0.00008
Be [mg/L]	14-Mar-24	14:13	0.000013	0.000011
B [mg/L]	14-Mar-24	14:13	< 0.002	< 0.002
Bi [mg/L]	14-Mar-24	14:13	0.00001	0.00003
Ca [mg/L]	14-Mar-24	14:13	0.37	0.32
Cd [mg/L]	14-Mar-24	14:13	< 0.000003	< 0.000003
Co [mg/L]	14-Mar-24	14:13	0.000005	0.000007
Cr [mg/L]	14-Mar-24	14:13	< 0.00008	< 0.00008
Cu [mg/L]	14-Mar-24	14:13	< 0.001	< 0.001
Fe [mg/L]	14-Mar-24	14:13	< 0.007	< 0.007
K [mg/L]	14-Mar-24	14:13	0.052	0.051
Li [mg/L]	14-Mar-24	14:13	0.0004	0.0004
Mg [mg/L]	14-Mar-24	14:13	0.013	0.011

OnLine LIMS

0003662706

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#45	6: CV5-DMS-HC T-84 Wk#45
Mn [mg/L]	14-Mar-24	14:13	0.00068	0.00103
Mo [mg/L]	14-Mar-24	14:13	< 0.0004	< 0.0004
Na [mg/L]	14-Mar-24	14:13	0.02	0.01
Ni [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Pb [mg/L]	14-Mar-24	14:13	< 0.00009	< 0.00009
Sb [mg/L]	14-Mar-24	14:13	0.0016	0.0012
Se [mg/L]	14-Mar-24	14:13	< 0.00004	< 0.00004
Sn [mg/L]	14-Mar-24	14:13	< 0.00006	< 0.00006
Sr [mg/L]	14-Mar-24	14:13	0.00087	0.00077
Ti [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Tl [mg/L]	14-Mar-24	14:13	0.000006	0.000007
U [mg/L]	14-Mar-24	14:13	0.000915	0.000961
V [mg/L]	14-Mar-24	14:13	0.00002	0.00001
W [mg/L]	14-Mar-24	14:13	< 0.0002	< 0.0002
Y [mg/L]	14-Mar-24	14:13	< 0.00002	< 0.00002
Zn [mg/L]	14-Mar-24	14:13	< 0.002	< 0.002
Au (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Ce (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Cs (tot) [mg/L]	14-Mar-24	14:13	0.0015	0.0016
Dy (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Er (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Eu (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Ga (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Gd (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Ge (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Hf (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Ho (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
In (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Ir (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
La (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Lu (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Nb (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Nd (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Os (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Pd (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Pr (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Pt (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Rb (tot) [mg/L]	14-Mar-24	14:13	0.0039	0.0039
Re (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Rh (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Sc (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Sm (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Ta (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Tb (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Te (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001

OnLine LIMS

0003662706

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10047-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#45	6: CV5-DMS-HC T-84 Wk#45
Th (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001
Tm (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001
Yb (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003662706

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 07 March 2024
LR Report: **CA10048-MAR24**
Reference: Wk#45

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#45	6: CV5-WR-HCT-5 Wk#45	7: CV5-WR-HCT-5 (DUP) Wk#45	8: CV5-WR-HCT-14 Wk#45	9: CV5-WR-HCT-22 Wk#45
Sample Date & Time			07-Mar-24	07-Mar-24	07-Mar-24	07-Mar-24	07-Mar-24
HumCell Leachate Vol [mL]	07-Mar-24	16:16	971	934	949	1014	1012
pH [No unit]	12-Mar-24	10:09	6.67	6.96	6.84	7.92	7.11
Alkalinity [mg/L as CaCO3]	11-Mar-24	15:10	3	4	3	13	4
Conductivity [uS/cm]	11-Mar-24	15:10	31	18	16	30	10
Acidity [mg/L as CaCO3]	12-Mar-24	08:08	< 2	< 2	< 2	< 2	< 2
F [mg/L]	08-Mar-24	12:38	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	11-Mar-24	08:48	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	08-Mar-24	17:03	10	4	4	2	< 2
Cl [mg/L]	08-Mar-24	17:03	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	12-Mar-24	13:18	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	12-Mar-24	13:18	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	12-Mar-24	13:18	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	11-Mar-24	15:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	14-Mar-24	14:13	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	14-Mar-24	14:13	0.020	0.021	0.026	0.102	0.021
As [mg/L]	14-Mar-24	14:13	0.0026	0.165	0.109	0.0336	0.136
Ba [mg/L]	14-Mar-24	14:13	0.00023	0.00017	0.00020	0.00014	0.00014
Be [mg/L]	14-Mar-24	14:13	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	14-Mar-24	14:13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14-Mar-24	14:13	4.64	2.98	2.47	5.51	1.68
Cd [mg/L]	14-Mar-24	14:13	0.000006	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	14-Mar-24	14:13	0.000089	0.000154	0.000231	0.000056	0.000159
Cr [mg/L]	14-Mar-24	14:13	< 0.00008	< 0.00008	0.00010	0.00009	< 0.00008
Cu [mg/L]	14-Mar-24	14:13	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	14-Mar-24	14:13	< 0.007	< 0.007	0.009	< 0.007	< 0.007
K [mg/L]	14-Mar-24	14:13	0.151	0.085	0.077	0.035	0.038
Li [mg/L]	14-Mar-24	14:13	0.0051	0.0069	0.0066	0.0035	0.0050
Mg [mg/L]	14-Mar-24	14:13	0.258	0.158	0.151	0.211	0.230

OnLine LIMS

0003662768

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#45	6: CV5-WR-HCT-5 Wk#45	7: CV5-WR-HCT-5 (DUP) Wk#45	8: CV5-WR-HCT-14 Wk#45	9: CV5-WR-HCT-22 Wk#45
Mn [mg/L]	14-Mar-24	14:13	0.00095	0.00078	0.00154	0.00499	0.00047
Mo [mg/L]	14-Mar-24	14:13	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	14-Mar-24	14:13	0.11	0.05	0.05	0.13	0.10
Ni [mg/L]	14-Mar-24	14:13	0.0004	0.0011	0.0010	0.0001	0.0005
Pb [mg/L]	14-Mar-24	14:13	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	14-Mar-24	14:13	0.0023	0.0371	0.0217	0.0038	0.0066
Se [mg/L]	14-Mar-24	14:13	0.00014	< 0.00004	< 0.00004	0.00007	< 0.00004
Sn [mg/L]	14-Mar-24	14:13	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	14-Mar-24	14:13	0.00936	0.00489	0.00488	0.00400	0.00501
Ti [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	0.00014	0.00012	0.00027
Tl [mg/L]	14-Mar-24	14:13	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005
U [mg/L]	14-Mar-24	14:13	0.000119	0.000029	0.000041	0.000334	0.000274
V [mg/L]	14-Mar-24	14:13	0.00023	0.00041	0.00032	0.00232	0.00112
W [mg/L]	14-Mar-24	14:13	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	14-Mar-24	14:13	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	14-Mar-24	14:13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	14-Mar-24	14:13	0.0060	0.0080	0.0087	0.0015	0.0042
Dy (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	14-Mar-24	14:13	0.0031	0.0028	0.0027	0.0004	0.0014
Re (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0003662768

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#45	6: CV5-WR-HCT-5 Wk#45	7: CV5-WR-HCT-5 (DUP) Wk#45	8: CV5-WR-HCT-14 Wk#45	9: CV5-WR-HCT-22 Wk#45
Th (tot) [mg/L]	14-Mar-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	14-Mar-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-33 Wk#45	11: CV5-WR-HCT-36 Wk#45	12: CV5-WR-HCT-39 Wk#45	13: CV5-WR-HCT-50 Wk#45	14: CV5-WR-HCT-56 Wk#45	15: CV5-WR-HCT-59 Wk#45	16: CV5-WR-HCT-62 Wk#45
Sample Date & Time	07-Mar-24	07-Mar-24	07-Mar-24	07-Mar-24	07-Mar-24	07-Mar-24	07-Mar-24
HumCell Leachate Vol [mL]	1004	1010	1004	978	963	1002	909
pH [No unit]	7.40	7.23	6.68	7.08	7.18	6.39	7.32
Alkalinity [mg/L as CaCO3]	6	6	2	7	6	< 2	7
Conductivity [uS/cm]	13	14	18	48	27	13	22
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	2	< 2	2	< 2
F [mg/L]	< 0.06	< 0.06	0.11	0.41	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.32	< 0.03	< 0.03	< 0.03	< 0.03	0.10
SO4 [mg/L]	< 2	< 2	5	9	5	4	3
Cl [mg/L]	< 1	< 1	< 1	4	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.051	0.001	0.010	0.024	0.038	0.005	0.002
As [mg/L]	0.0035	1.16	0.0149	0.0033	0.0106	0.204	0.562
Ba [mg/L]	0.00018	0.00043	0.00018	0.00026	0.00036	0.00015	0.00031
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.72	2.21	2.54	7.46	4.66	1.68	3.03
Cd [mg/L]	0.000005	< 0.000003	0.000024	0.000041	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000069	0.000458	0.000151	0.002527	0.000056	0.000846	0.000471
Cr [mg/L]	< 0.00008	0.00015	< 0.00008	< 0.00008	< 0.00008	0.00013	0.00009
Cu [mg/L]	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.043	0.039	0.126	0.171	0.171	0.032	0.029
Li [mg/L]	0.0021	0.0016	0.0047	0.0079	0.0022	0.0013	0.0003
Mg [mg/L]	0.072	0.518	0.231	0.081	0.173	0.315	0.776
Mn [mg/L]	0.00913	0.00167	0.00200	0.00843	0.00779	0.00195	0.00286
Mo [mg/L]	< 0.0004	< 0.0004	0.0045	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.07	0.02	0.06	0.09	0.06	0.04	< 0.01
Ni [mg/L]	< 0.0001	0.0114	0.0003	0.0019	0.0002	0.0070	0.0073
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00016	< 0.00009	< 0.00009
Sb [mg/L]	0.0012	0.408	0.0080	0.0174	< 0.0009	0.0039	0.556
Se [mg/L]	0.00006	< 0.00004	0.00005	0.00046	< 0.00004	< 0.00004	0.00004

OnLine LIMS

0003662768

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAR24**

Analysis	10: CV5-WR-HCT-33 Wk#45	11: CV5-WR-HCT-36 Wk#45	12: CV5-WR-HCT-39 Wk#45	13: CV5-WR-HCT-50 Wk#45	14: CV5-WR-HCT-56 Wk#45	15: CV5-WR-HCT-59 Wk#45	16: CV5-WR-HCT-62 Wk#45
Sn [mg/L]	< 0.00006	< 0.00006	0.00008	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00259	0.00239	0.00613	0.00481	0.00411	0.00685	0.00165
Ti [mg/L]	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000005	0.000021	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000023	0.000033	0.000304	0.001292	0.000407	0.000037	0.000115
V [mg/L]	0.00052	0.00013	0.00024	0.00006	0.00027	0.00028	0.00015
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.002	0.008	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0027	0.0093	0.0017	0.0353	0.0188	0.0075	0.0026
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0005	0.0015	0.0014	0.0077	0.0009	0.0017	0.0012
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0003662768

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAR24**

Analysis	17: CV5-WR-HCT-64 Wk#45	18: CV5-WR-HCT-69 Wk#45	19: CV5-ORE-HCT-74 Wk#45	20: CV5-ORE-HCT-76 Wk#45
Sample Date & Time	07-Mar-24	07-Mar-24	07-Mar-24	07-Mar-24
HumCell Leachate Vol [mL]	1006	996	1004	1010
pH [No unit]	7.14	7.18	6.63	7.30
Alkalinity [mg/L as CaCO3]	4	5	2	8
Conductivity [uS/cm]	10	10	2	14
Acidity [mg/L as CaCO3]	<2	<2	<2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.035	0.042	0.014	0.026
As [mg/L]	0.0054	0.0027	0.0081	0.0023
Ba [mg/L]	< 0.00008	0.00013	< 0.00008	0.00015
Be [mg/L]	0.000009	0.000096	< 0.000007	0.000033
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00017	< 0.00001	0.00007
Ca [mg/L]	2.09	2.24	0.61	2.55
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	0.000003
Co [mg/L]	0.000009	0.000010	0.000007	0.000010
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00015
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.179	0.061	0.096	0.199
Li [mg/L]	0.0013	0.0012	0.0054	0.0051
Mg [mg/L]	0.055	0.029	0.010	0.082
Mn [mg/L]	0.00607	0.00261	0.0553	0.00095
Mo [mg/L]	0.0006	< 0.0004	< 0.0004	0.0006
Na [mg/L]	0.07	0.10	0.07	0.06
Ni [mg/L]	< 0.0001	0.0001	< 0.0001	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0014	0.0014	0.0079	0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00277	0.00390	0.00097	0.00529
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000031	< 0.000005	0.000028	0.000015
U [mg/L]	0.000717	0.004043	0.000632	0.000907
V [mg/L]	0.00003	0.00005	0.00002	0.00005
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

0003662768

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10048-MAR24**

Analysis	17: CV5-WR-HCT-64 Wk#45	18: CV5-WR-HCT-69 Wk#45	19: CV5-ORE-HCT-74 Wk#45	20: CV5-ORE-HCT-76 Wk#45
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0073	0.0016	0.0104	0.0052
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0146	0.0032	0.0117	0.0070
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003662768

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

16-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 04 January 2024
LR Report: **CA10049-JAN24**
Reference: Wk#36

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#36	6: CV5-DMS-HC T-84 Wk#36
Sample Date & Time			04-Jan-24	04-Jan-24
HumCell Leachate Vol [mL]	15-Jan-24	14:18	972	942
pH [No unit]	09-Jan-24	13:21	6.22	6.21
Alkalinity [mg/L as CaCO3]	09-Jan-24	13:21	< 2	< 2
Conductivity [uS/cm]	09-Jan-24	13:21	2	2
Acidity [mg/L as CaCO3]	09-Jan-24	13:22	3	4
Tot.Reactive P [mg/L]	08-Jan-24	10:00	< 0.03	< 0.03
SO4 [mg/L]	05-Jan-24	16:23	< 2	< 2
Ag [mg/L]	10-Jan-24	16:36	< 0.00005	< 0.00005
Al [mg/L]	10-Jan-24	16:36	0.011	0.011
As [mg/L]	10-Jan-24	16:36	0.0032	0.0029
Ba [mg/L]	10-Jan-24	16:36	< 0.00008	< 0.00008
Be [mg/L]	10-Jan-24	16:36	< 0.000007	0.000009
B [mg/L]	10-Jan-24	16:36	< 0.002	< 0.002
Bi [mg/L]	10-Jan-24	16:36	0.00003	0.00003
Ca [mg/L]	10-Jan-24	16:36	0.37	0.39
Cd [mg/L]	10-Jan-24	16:36	< 0.000003	< 0.000003
Co [mg/L]	10-Jan-24	16:36	< 0.000004	< 0.000004
Cr [mg/L]	10-Jan-24	16:36	< 0.00008	< 0.00008
Cu [mg/L]	10-Jan-24	16:36	< 0.0002	< 0.0002
Fe [mg/L]	10-Jan-24	16:36	< 0.007	< 0.007
K [mg/L]	10-Jan-24	16:36	0.071	0.074
Li [mg/L]	11-Jan-24	11:46	0.0025	0.0008
Mg [mg/L]	10-Jan-24	16:36	0.014	0.014
Mn [mg/L]	10-Jan-24	16:36	0.00060	0.00128
Mo [mg/L]	10-Jan-24	16:36	0.00005	0.00029
Na [mg/L]	10-Jan-24	16:36	0.05	0.06
Ni [mg/L]	10-Jan-24	16:36	< 0.0001	< 0.0001

OnLine LIMS

0003592797

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10049-JAN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#36	6: CV5-DMS-HC T-84 Wk#36
Pb [mg/L]	10-Jan-24	16:36	< 0.00009	0.00010
Sb [mg/L]	10-Jan-24	16:36	0.0014	0.0013
Se [mg/L]	10-Jan-24	16:36	0.00005	< 0.00004
Sn [mg/L]	10-Jan-24	16:36	< 0.00006	< 0.00006
Sr [mg/L]	10-Jan-24	16:36	0.00080	0.00086
Ti [mg/L]	10-Jan-24	16:36	< 0.00007	< 0.00007
Tl [mg/L]	10-Jan-24	16:36	< 0.000005	< 0.000005
U [mg/L]	10-Jan-24	16:36	0.00106	0.00188
V [mg/L]	10-Jan-24	16:36	0.00001	0.00002
W [mg/L]	10-Jan-24	16:36	< 0.00002	< 0.00002
Y [mg/L]	10-Jan-24	16:36	< 0.00002	< 0.00002
Zn [mg/L]	10-Jan-24	16:36	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003592797

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 04 January 2024
LR Report: **CA10050-JAN24**
Reference: Wk#36

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#36	6: CV5-WR-HCT-5 Wk#36	7: CV5-WR-HCT-5 (DUP) Wk#36	8: CV5-WR-HCT-14 Wk#36
Sample Date & Time			04-Jan-24	04-Jan-24	04-Jan-24	04-Jan-24
HumCell Leachate Vol [mL]	15-Jan-24	14:18	904	905	919	940
pH [No unit]	08-Jan-24	12:32	6.72	7.03	6.96	7.58
Alkalinity [mg/L as CaCO3]	08-Jan-24	12:32	3	4	4	13
Conductivity [uS/cm]	08-Jan-24	12:32	40	23	18	32
Acidity [mg/L as CaCO3]	09-Jan-24	13:25	<2	<2	<2	< 2
Tot.Reactive P [mg/L]	08-Jan-24	10:00	< 0.03	0.03	< 0.03	< 0.03
SO4 [mg/L]	05-Jan-24	16:24	13	4	3	< 2
Ag [mg/L]	10-Jan-24	16:37	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	10-Jan-24	16:37	0.025	0.028	0.025	0.094
As [mg/L]	10-Jan-24	16:37	0.0094	0.187	0.126	0.0396
Ba [mg/L]	10-Jan-24	16:37	0.00027	0.00038	0.00015	0.00111
Be [mg/L]	10-Jan-24	16:37	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	10-Jan-24	16:37	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	10-Jan-24	16:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	10-Jan-24	16:37	5.38	3.42	2.30	5.21
Cd [mg/L]	10-Jan-24	16:37	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	10-Jan-24	16:37	0.000089	0.000185	0.000176	0.000055
Cr [mg/L]	10-Jan-24	16:37	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	10-Jan-24	16:37	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	10-Jan-24	16:37	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	10-Jan-24	16:37	0.200	0.105	0.080	0.041
Li [mg/L]	11-Jan-24	11:46	0.0081	0.0097	0.0072	0.0043
Mg [mg/L]	10-Jan-24	16:37	0.380	0.203	0.150	0.226
Mn [mg/L]	10-Jan-24	16:37	0.00123	0.00126	0.00112	0.00481
Mo [mg/L]	10-Jan-24	16:37	0.00013	0.00010	< 0.00004	0.00011
Na [mg/L]	10-Jan-24	16:37	0.18	0.12	0.10	0.21
Ni [mg/L]	10-Jan-24	16:37	0.0002	0.0010	0.0007	0.0001

OnLine LIMS

0003592833

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10050-JAN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#36	6: CV5-WR-HCT-5 Wk#36	7: CV5-WR-HCT-5 (DUP) Wk#36	8: CV5-WR-HCT-14 Wk#36
Pb [mg/L]	10-Jan-24	16:37	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	11-Jan-24	11:46	0.0034	0.0396	0.0212	0.0041
Se [mg/L]	10-Jan-24	16:37	0.00020	< 0.00004	< 0.00004	0.00009
Sn [mg/L]	10-Jan-24	16:37	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	10-Jan-24	16:37	0.0121	0.00601	0.00448	0.00477
Ti [mg/L]	10-Jan-24	16:37	0.00011	0.00025	0.00011	0.00017
Tl [mg/L]	10-Jan-24	16:37	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	10-Jan-24	16:37	0.000360	0.000055	0.000058	0.000668
V [mg/L]	10-Jan-24	16:37	0.00030	0.00049	0.00038	0.00252
W [mg/L]	10-Jan-24	16:37	0.00004	0.00006	0.00006	< 0.00002
Y [mg/L]	10-Jan-24	16:37	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	10-Jan-24	16:37	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#36	10: CV5-WR-HCT-33 Wk#36	11: CV5-WR-HCT-36 Wk#36	12: CV5-WR-HCT-39 Wk#36	13: CV5-WR-HCT-50 Wk#36	14: CV5-WR-HCT-56 Wk#36
Sample Date & Time	04-Jan-24	04-Jan-24	04-Jan-24	04-Jan-24	04-Jan-24	04-Jan-24
HumCell Leachate Vol [mL]	996	892	888	877	937	925
pH [No unit]	7.07	7.29	7.27	6.74	6.76	7.11
Alkalinity [mg/L as CaCO3]	5	6	6	3	3	6
Conductivity [uS/cm]	13	15	19	27	34	30
Acidity [mg/L as CaCO3]	< 2	<2	<2	<2	<2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.33	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	3	8	9	7
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.020	0.066	0.003	0.035	0.007	0.036
As [mg/L]	0.119	0.0041	1.19	0.0239	0.0052	0.0157
Ba [mg/L]	0.00008	0.00014	0.00053	0.00075	0.00146	0.00035
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.004	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.90	2.44	2.60	3.24	4.92	4.54
Cd [mg/L]	< 0.000003	0.000004	< 0.000003	0.000005	0.000021	< 0.000003
Co [mg/L]	0.000154	0.000043	0.000242	0.000171	0.00158	0.000054
Cr [mg/L]	< 0.00008	< 0.00008	0.00017	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0005	< 0.0002	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	0.009	0.013	< 0.007	< 0.007
K [mg/L]	0.044	0.062	0.060	0.213	0.126	0.207
Li [mg/L]	0.0064	0.0038	0.0027	0.0097	0.0069	0.0032
Mg [mg/L]	0.236	0.113	0.525	0.441	0.082	0.247
Mn [mg/L]	0.00060	0.00567	0.00119	0.00139	0.00507	0.00724

OnLine LIMS

0003592833

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10050-JAN24**

Analysis	9: CV5-WR-HCT-22 Wk#36	10: CV5-WR-HCT-33 Wk#36	11: CV5-WR-HCT-36 Wk#36	12: CV5-WR-HCT-39 Wk#36	13: CV5-WR-HCT-50 Wk#36	14: CV5-WR-HCT-56 Wk#36
Mo [mg/L]	0.00019	0.00120	< 0.00004	0.00016	0.00039	0.00009
Na [mg/L]	0.14	0.18	0.07	0.19	0.15	0.10
Ni [mg/L]	0.0004	0.0001	0.0069	0.0004	0.0012	0.0002
Pb [mg/L]	0.00009	0.00036	< 0.00009	0.00017	< 0.00009	< 0.00009
Sb [mg/L]	0.0056	0.0010	0.519	0.0118	0.0119	< 0.0009
Se [mg/L]	< 0.00004	0.00011	0.00005	0.00011	0.00054	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00518	0.00236	0.00313	0.0100	0.00419	0.00438
Ti [mg/L]	0.00023	0.00033	0.00013	0.00043	< 0.00007	0.00011
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000356	0.000260	0.000266	0.000471	0.00102	0.000440
V [mg/L]	0.00101	0.00068	0.00017	0.00033	0.00003	0.00033
W [mg/L]	0.00002	0.00003	0.00007	0.00005	< 0.00002	0.00006
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.007	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#36	16: CV5-WR-HCT-62 Wk#36	17: CV5-WR-HCT-64 Wk#36	18: CV5-WR-HCT-69 Wk#36	19: CV5-ORE-HCT-74 Wk#36	20: CV5-ORE-HCT-76 Wk#36
Sample Date & Time	04-Jan-24	04-Jan-24	04-Jan-24	04-Jan-24	04-Jan-24	04-Jan-24
HumCell Leachate Vol [mL]	993	886	966	995	952	908
pH [No unit]	6.80	7.35	7.12	7.20	6.91	7.21
Alkalinity [mg/L as CaCO3]	3	9	6	7	3	6
Conductivity [uS/cm]	15	28	12	14	5	16
Acidity [mg/L as CaCO3]	6	<2	< 2	<2	<2	< 2
Tot.Reactive P [mg/L]	0.03	0.16	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	3	4	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.004	0.001	0.028	0.067	0.019	0.040
As [mg/L]	0.251	0.728	0.0061	0.0038	0.0090	0.0027
Ba [mg/L]	0.00021	0.00042	< 0.00008	0.00013	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	< 0.000007	0.000007	0.000079	< 0.000007	0.000067
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00021	< 0.00001	0.00010
Ca [mg/L]	1.86	3.50	1.95	2.48	0.69	2.04
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003
Co [mg/L]	0.000927	0.000520	0.000005	0.000009	0.000007	< 0.000004
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.048	0.036	0.232	0.093	0.119	0.249

OnLine LIMS

0003592833

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10050-JAN24**

Analysis	15: CV5-WR-HCT-59 Wk#36	16: CV5-WR-HCT-62 Wk#36	17: CV5-WR-HCT-64 Wk#36	18: CV5-WR-HCT-69 Wk#36	19: CV5-ORE-HCT-74 Wk#36	20: CV5-ORE-HCT-76 Wk#36
Li [mg/L]	0.0022	0.0005	0.0021	0.0018	0.0065	0.0078
Mg [mg/L]	0.357	0.958	0.061	0.035	0.012	0.093
Mn [mg/L]	0.00207	0.00269	0.00456	0.00282	0.0449	0.00113
Mo [mg/L]	0.00024	0.00027	0.00019	0.00019	0.00021	0.00007
Na [mg/L]	0.15	0.05	0.12	0.24	0.13	0.10
Ni [mg/L]	0.0079	0.0085	< 0.0001	< 0.0001	0.0002	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00026	< 0.00009
Sb [mg/L]	0.0048	0.706	0.0013	0.0015	0.0088	< 0.0009
Se [mg/L]	0.00008	0.00010	0.00006	< 0.00004	< 0.00004	0.00005
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00756	0.00207	0.00254	0.00406	0.00110	0.00440
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000016	< 0.000005	0.000016	0.000012
U [mg/L]	0.000049	0.000451	0.00129	0.00348	0.00347	0.000979
V [mg/L]	0.00035	0.00017	0.00001	0.00006	< 0.00001	0.00004
W [mg/L]	0.00010	0.00005	0.00005	0.00004	0.00007	0.00003
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003592833

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

28-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 09 May 2024
LR Report: **CA10062-MAY24**
Reference: Wk#54

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#54	6: CV5-DMS-HCT-84 Wk#54
Sample Date & Time			09-May-24	09-May-24
HumCell Leachate Vol [mL]	27-May-24	09:45	999	977
pH [No unit]	10-May-24	10:08	6.27	6.34
Alkalinity [mg/L as CaCO3]	10-May-24	10:08	< 2	< 2
Conductivity [uS/cm]	10-May-24	10:08	< 2	2
Acidity [mg/L as CaCO3]	10-May-24	10:08	2	2
Tot.Reactive P [mg/L]	10-May-24	08:31	< 0.03	< 0.03
SO4 [mg/L]	15-May-24	16:05	< 2	< 2
Ag [mg/L]	17-May-24	13:00	< 0.00005	< 0.00005
Al [mg/L]	17-May-24	13:00	0.009	0.010
As [mg/L]	17-May-24	13:00	0.0027	0.0023
Ba [mg/L]	17-May-24	13:00	< 0.00008	< 0.00008
Be [mg/L]	17-May-24	13:00	0.000010	0.000011
B [mg/L]	17-May-24	13:00	< 0.002	< 0.002
Bi [mg/L]	17-May-24	13:00	0.00003	0.00004
Ca [mg/L]	17-May-24	13:00	0.31	0.30
Cd [mg/L]	17-May-24	13:00	< 0.000003	< 0.000003
Co [mg/L]	17-May-24	13:00	0.000026	0.000010
Cr [mg/L]	17-May-24	13:00	< 0.00008	< 0.00008
Cu [mg/L]	17-May-24	13:00	< 0.001	< 0.001
Fe [mg/L]	17-May-24	13:00	< 0.007	< 0.007
K [mg/L]	17-May-24	13:00	0.036	0.038
Li [mg/L]	17-May-24	13:00	0.0004	0.0004
Mg [mg/L]	17-May-24	13:00	0.010	0.011
Mn [mg/L]	17-May-24	13:00	0.00096	0.00153
Mo [mg/L]	17-May-24	13:00	< 0.0004	< 0.0004
Na [mg/L]	17-May-24	13:00	0.01	0.01
Ni [mg/L]	17-May-24	13:00	< 0.0001	< 0.0001
Pb [mg/L]	17-May-24	13:00	< 0.00009	< 0.00009
Sb [mg/L]	17-May-24	13:01	0.0013	0.0011
Se [mg/L]	17-May-24	13:01	< 0.00004	< 0.00004
Sn [mg/L]	17-May-24	13:01	< 0.00006	< 0.00006
Sr [mg/L]	17-May-24	13:01	0.00071	0.00067
Ti [mg/L]	17-May-24	13:01	< 0.0001	< 0.0001
Tl [mg/L]	17-May-24	13:01	0.000010	0.000008
U [mg/L]	17-May-24	13:01	0.000611	0.000728

OnLine LIMS

0003725290

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10062-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#54	6: CV5-DMS-HCT-84 Wk#54
V [mg/L]	17-May-24	13:01	0.00002	0.00002
W [mg/L]	17-May-24	13:01	< 0.0002	< 0.0002
Y [mg/L]	17-May-24	13:01	< 0.00002	< 0.00002
Zn [mg/L]	17-May-24	13:01	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003725290

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

31-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 09 May 2024
LR Report: **CA10063-MAY24**
Reference: Wk#54

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#54	6: CV5-WR-HCT -5 Wk#54	7: CV5-WR-HCT- 5 (DUP) Wk#54	8: CV5-WR-HCT -14 Wk#54	9: CV5-WR-HCT -22 Wk#54
Sample Date & Time			09-May-24	09-May-24	09-May-24	09-May-24	09-May-24
HumCell Leachate Vol [mL]	27-May-24	09:45	923	937	935	995	956
pH [No unit]	13-May-24	11:38	6.85	7.02	6.95	8.05	6.94
Alkalinity [mg/L as CaCO3]	13-May-24	11:23	3	4	3	12	3
Conductivity [uS/cm]	10-May-24	11:32	30	16	13	27	8
Acidity [mg/L as CaCO3]	13-May-24	11:27	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	10-May-24	08:31	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	30-May-24	20:06	10	4	3	2	< 2
Ag [mg/L]	17-May-24	13:02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	17-May-24	13:02	0.022	0.022	0.024	0.103	0.042
As [mg/L]	17-May-24	13:02	0.0023	0.140	0.0966	0.0284	0.0840
Ba [mg/L]	17-May-24	13:02	0.00020	0.00013	0.00012	0.00009	0.00012
Be [mg/L]	17-May-24	13:02	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	17-May-24	13:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	17-May-24	13:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	17-May-24	13:02	4.98	2.80	2.37	5.30	1.33
Cd [mg/L]	17-May-24	13:02	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	17-May-24	13:02	0.000135	0.000161	0.000188	0.000055	0.000234
Cr [mg/L]	17-May-24	13:03	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00015
Cu [mg/L]	17-May-24	13:03	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	17-May-24	13:03	< 0.007	< 0.007	< 0.007	< 0.007	0.022
K [mg/L]	17-May-24	13:03	0.140	0.063	0.054	0.026	0.022
Li [mg/L]	17-May-24	13:03	0.0049	0.0052	0.0047	0.0032	0.0035
Mg [mg/L]	17-May-24	13:03	0.221	0.120	0.114	0.168	0.172
Mn [mg/L]	17-May-24	13:03	0.00149	0.00089	0.00123	0.00513	0.00093
Mo [mg/L]	17-May-24	13:03	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	17-May-24	13:03	0.10	0.04	0.04	0.12	0.06
Ni [mg/L]	17-May-24	13:03	0.0004	0.0011	0.0008	0.0001	0.0005
Pb [mg/L]	17-May-24	13:03	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	17-May-24	13:03	0.0017	0.0276	0.0152	0.0030	0.0034

OnLine LIMS

0003729363

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10063-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#54	6: CV5-WR-HCT -5 Wk#54	7: CV5-WR-HCT-5 (DUP) Wk#54	8: CV5-WR-HCT -14 Wk#54	9: CV5-WR-HCT -22 Wk#54
Se [mg/L]	17-May-24	13:03	0.00013	< 0.00004	< 0.00004	0.00009	< 0.00004
Sn [mg/L]	17-May-24	13:03	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	17-May-24	13:03	0.00850	0.00372	0.00385	0.00355	0.00355
Ti [mg/L]	17-May-24	13:03	< 0.0001	< 0.0001	< 0.0001	0.00017	0.00085
Tl [mg/L]	17-May-24	13:03	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	17-May-24	13:03	0.000069	0.000012	0.000011	0.000176	0.000091
V [mg/L]	17-May-24	13:04	0.00021	0.00037	0.00037	0.00212	0.00088
W [mg/L]	17-May-24	13:04	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	17-May-24	13:04	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	17-May-24	13:04	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#54	11: CV5-WR-HCT -36 Wk#54	12: CV5-WR-HCT -39 Wk#54	13: CV5-WR-HCT -50 Wk#54	14: CV5-WR-HCT -56 Wk#54	15: CV5-WR-HCT -59 Wk#54	16: CV5-WR-HCT -62 Wk#54
Sample Date & Time	09-May-24	09-May-24	09-May-24	09-May-24	09-May-24	09-May-24	09-May-24
HumCell Leachate Vol [mL]	982	972	934	997	973	983	921
pH [No unit]	7.37	7.12	6.48	7.31	7.41	6.23	7.44
Alkalinity [mg/L as CaCO3]	5	5	< 2	8	8	< 2	8
Conductivity [uS/cm]	12	13	19	46	27	13	20
Acidity [mg/L as CaCO3]	< 2	< 2	2	3	< 2	3	< 2
Tot.Reactive P [mg/L]	< 0.03	0.18	< 0.03	< 0.03	< 0.03	< 0.03	0.11
SO4 [mg/L]	< 2	< 2	7	9	6	4	3
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.067	0.002	0.013	0.029	0.036	0.003	0.003
As [mg/L]	0.0039	0.745	0.0132	0.0034	0.0088	0.0862	0.564
Ba [mg/L]	0.00018	0.00050	0.00017	0.00034	0.00027	0.00029	0.00048
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.40	1.97	2.96	8.71	4.20	1.80	3.07
Cd [mg/L]	< 0.000003	< 0.000003	0.000006	0.000048	< 0.000003	0.000012	< 0.000003
Co [mg/L]	0.000062	0.000369	0.000131	0.00326	0.000040	0.00190	0.000390
Cr [mg/L]	< 0.00008	0.00013	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.007	< 0.007
K [mg/L]	0.027	0.022	0.131	0.146	0.098	0.016	0.025
Li [mg/L]	0.0017	0.0013	0.0054	0.0077	0.0015	0.0010	0.0003
Mg [mg/L]	0.059	0.452	0.248	0.089	0.118	0.249	0.816
Mn [mg/L]	0.00746	0.00190	0.00164	0.00998	0.00425	0.00380	0.00225
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.06	0.03	0.08	0.10	0.04	0.02	0.06
Ni [mg/L]	< 0.0001	0.0074	0.0003	0.0025	0.0001	0.0152	0.0059
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00052	0.00017
Sb [mg/L]	< 0.0009	0.248	0.0068	0.0158	< 0.0009	0.0020	0.444

OnLine LIMS

0003729363

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10063-MAY24**

Analysis	10: CV5-WR-HCT -33 Wk#54	11: CV5-WR-HCT -36 Wk#54	12: CV5-WR-HCT -39 Wk#54	13: CV5-WR-HCT -50 Wk#54	14: CV5-WR-HCT -56 Wk#54	15: CV5-WR-HCT -59 Wk#54	16: CV5-WR-HCT -62 Wk#54
Se [mg/L]	0.00005	< 0.00004	0.00005	0.00062	0.00004	< 0.00004	0.00006
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00209	0.00190	0.00668	0.00472	0.00317	0.00663	0.00139
Ti [mg/L]	< 0.0001	< 0.0001	0.00011	< 0.0001	< 0.0001	0.00012	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000007	0.000025	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000018	0.000016	0.000212	0.001283	0.000226	0.000010	0.000091
V [mg/L]	0.00052	0.00012	0.00022	0.00006	0.00023	0.00014	0.00013
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.008	< 0.002	0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#54	18: CV5-WR-HCT -69 Wk#54	19: CV5-ORE-HCT-74 Wk#54	20: CV5-ORE-HCT-76 Wk#54
Sample Date & Time	09-May-24	09-May-24	09-May-24	09-May-24
HumCell Leachate Vol [mL]	1008	994	1012	981
pH [No unit]	7.12	7.21	6.58	7.05
Alkalinity [mg/L as CaCO3]	4	4	2	5
Conductivity [uS/cm]	8	9	3	11
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.026	0.052	0.015	0.036
As [mg/L]	0.0047	0.0023	0.0072	0.0018
Ba [mg/L]	0.00009	0.00014	< 0.00008	< 0.00008
Be [mg/L]	0.000007	0.000072	0.000007	0.000143
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00020	< 0.00001	0.00008
Ca [mg/L]	1.61	2.08	0.48	2.15
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000009	0.000007	0.000006	0.000008
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00010
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.138	0.051	0.079	0.168
Li [mg/L]	0.0011	0.0011	0.0055	0.0051
Mg [mg/L]	0.035	0.021	0.009	0.072
Mn [mg/L]	0.00479	0.00244	0.0531	0.00063
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.09	0.06	0.06
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	0.00014	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0011	0.0011	0.0067	0.0010

OnLine LIMS

0003729363

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10063-MAY24**

Analysis	17: CV5-WR-HCT-64 Wk#54	18: CV5-WR-HCT-69 Wk#54	19: CV5-ORE-HCT-74 Wk#54	20: CV5-ORE-HCT-76 Wk#54
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00186	0.00322	0.00080	0.00408
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000026	0.000005	0.000029	0.000016
U [mg/L]	0.000366	0.00280	0.000381	0.000689
V [mg/L]	0.00005	0.00005	0.00003	0.00005
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003729363

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

21-February-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 08 February 2024
LR Report: **CA10065-FEB24**
Reference: Wk#41

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#41	6: CV5-DMS-HCT-84 Wk#41
Sample Date & Time			08-Feb-24	08-Feb-24
HumCell Leachate Vol [mL]	10-Feb-24	14:24	1020	973
pH [No unit]	12-Feb-24	10:51	6.52	6.24
Alkalinity [mg/L as CaCO3]	12-Feb-24	10:51	2	< 2
Conductivity [uS/cm]	09-Feb-24	11:02	4	2
Acidity [mg/L as CaCO3]	12-Feb-24	10:52	< 2	< 2
Tot.Reactive P [mg/L]	14-Feb-24	09:42	< 0.03	< 0.03
SO4 [mg/L]	15-Feb-24	19:16	< 2	< 2
Ag [mg/L]	13-Feb-24	14:17	< 0.00005	< 0.00005
Al [mg/L]	13-Feb-24	14:17	0.017	0.015
As [mg/L]	13-Feb-24	14:17	0.0060	0.0033
Ba [mg/L]	13-Feb-24	14:17	0.00009	< 0.00008
Be [mg/L]	13-Feb-24	14:17	0.000011	0.000010
B [mg/L]	13-Feb-24	14:17	< 0.002	< 0.002
Bi [mg/L]	13-Feb-24	14:17	0.00002	0.00003
Ca [mg/L]	13-Feb-24	14:17	0.71	0.42
Cd [mg/L]	13-Feb-24	14:17	0.000011	< 0.000003
Co [mg/L]	13-Feb-24	14:17	0.000029	0.000010
Cr [mg/L]	13-Feb-24	14:17	< 0.00008	< 0.00008
Cu [mg/L]	13-Feb-24	14:17	< 0.002	< 0.002
Fe [mg/L]	13-Feb-24	14:17	< 0.007	< 0.007
K [mg/L]	13-Feb-24	14:17	0.078	0.052
Li [mg/L]	13-Feb-24	14:17	0.0006	0.0005
Mg [mg/L]	13-Feb-24	14:17	0.022	0.013
Mn [mg/L]	13-Feb-24	14:17	0.00070	0.00157
Mo [mg/L]	13-Feb-24	14:17	< 0.0004	< 0.0004
Na [mg/L]	13-Feb-24	14:17	0.07	0.04
Ni [mg/L]	13-Feb-24	14:17	0.0002	0.0001
Pb [mg/L]	13-Feb-24	14:17	0.00019	< 0.00009
Sb [mg/L]	13-Feb-24	14:17	0.0029	0.0020
Se [mg/L]	13-Feb-24	14:17	< 0.00004	< 0.00004
Sn [mg/L]	13-Feb-24	14:17	< 0.00006	< 0.00006
Sr [mg/L]	13-Feb-24	14:17	0.00211	0.00074
Ti [mg/L]	13-Feb-24	14:17	< 0.0001	< 0.0001
Tl [mg/L]	13-Feb-24	14:17	0.000013	0.000008
U [mg/L]	13-Feb-24	14:17	0.00354	0.00141

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10065-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#41	6: CV5-DMS-HCT-84 Wk#41
V [mg/L]	13-Feb-24	14:17	0.00002	0.00001
W [mg/L]	13-Feb-24	14:17	< 0.0002	< 0.0002
Y [mg/L]	13-Feb-24	14:17	< 0.00002	< 0.00002
Zn [mg/L]	13-Feb-24	14:17	0.003	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003626710

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

22-February-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 08 February 2024
LR Report: **CA10066-FEB24**
Reference: Wk#41

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#41	6: CV5-WR-HCT-5 Wk#41	7: CV5-WR-HCT-5 (DUP) Wk#41	8: CV5-WR-HCT-14 Wk#41	9: CV5-WR-HCT-22 Wk#41	10: CV5-WR-HCT-33 Wk#41
Sample Date & Time			08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24
HumCell Leachate Vol [mL]	10-Feb-24	14:24	941	948	985	988	1020	1049
pH [No unit]	09-Feb-24	11:04	6.68	6.88	6.90	7.71	6.91	7.33
Alkalinity [mg/L as CaCO3]	09-Feb-24	11:04	2	4	3	12	3	7
Conductivity [uS/cm]	09-Feb-24	11:04	31	19	14	28	8	18
Acidity [mg/L as CaCO3]	09-Feb-24	11:04	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	14-Feb-24	09:43	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	15-Feb-24	19:17	11	4	3	< 2	< 2	< 2
Ag [mg/L]	13-Feb-24	14:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	13-Feb-24	14:17	0.029	0.027	0.025	0.096	0.033	0.058
As [mg/L]	13-Feb-24	14:17	0.0031	0.157	0.114	0.0372	0.112	0.0043
Ba [mg/L]	13-Feb-24	14:17	0.00021	0.00016	0.00032	0.00051	0.00010	0.00090
Be [mg/L]	13-Feb-24	14:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	13-Feb-24	14:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	13-Feb-24	14:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13-Feb-24	14:17	4.45	2.82	2.04	4.88	1.19	3.23
Cd [mg/L]	13-Feb-24	14:17	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	13-Feb-24	14:17	0.000118	0.000175	0.000150	0.000063	0.000133	0.000074
Cr [mg/L]	13-Feb-24	14:17	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009	< 0.00008
Cu [mg/L]	13-Feb-24	14:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	13-Feb-24	14:17	< 0.007	< 0.007	< 0.007	0.010	0.008	< 0.007
K [mg/L]	13-Feb-24	14:17	0.162	0.079	0.062	0.030	0.032	0.057
Li [mg/L]	13-Feb-24	14:17	0.0057	0.0067	0.0053	0.0035	0.0041	0.0035
Mg [mg/L]	13-Feb-24	14:17	0.226	0.140	0.112	0.182	0.156	0.100
Mn [mg/L]	13-Feb-24	14:17	0.00123	0.00113	0.00112	0.00574	0.00060	0.0114
Mo [mg/L]	13-Feb-24	14:17	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	13-Feb-24	14:17	0.12	0.06	0.06	0.14	0.14	0.11
Ni [mg/L]	13-Feb-24	14:17	0.0005	0.0012	0.0007	0.0002	0.0004	< 0.0001
Pb [mg/L]	13-Feb-24	14:17	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00016	< 0.00009
Sb [mg/L]	13-Feb-24	14:17	0.0022	0.0343	0.0194	0.0038	0.0047	0.0017
Se [mg/L]	13-Feb-24	14:17	0.00014	< 0.00004	0.00004	0.00010	< 0.00004	0.00008
Sn [mg/L]	13-Feb-24	14:17	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	13-Feb-24	14:17	0.00990	0.00473	0.00411	0.00418	0.00543	0.00369
Ti [mg/L]	13-Feb-24	14:17	0.00012	0.00013	0.00011	0.00023	0.00031	0.00013
Tl [mg/L]	13-Feb-24	14:17	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	13-Feb-24	14:17	0.00194	0.000168	0.000015	0.000666	0.000151	0.000585

OnLine LMS

0003627310

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10066-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#41	6: CV5-WR-HCT-5 Wk#41	7: CV5-WR-HCT-5 (DUP) Wk#41	8: CV5-WR-HCT-14 Wk#41	9: CV5-WR-HCT-22 Wk#41	10: CV5-WR-HCT-33 Wk#41
V [mg/L]	13-Feb-24	14:17	0.00025	0.00045	0.00040	0.00252	0.00101	0.00067
W [mg/L]	13-Feb-24	14:17	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	13-Feb-24	14:17	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	13-Feb-24	14:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-36 Wk#41	12: CV5-WR-HCT-39 Wk#41	13: CV5-WR-HCT-50 Wk#41	14: CV5-WR-HCT-56 Wk#41	15: CV5-WR-HCT-59 Wk#41	16: CV5-WR-HCT-62 Wk#41	17: CV5-WR-HCT-64 Wk#41	18: CV5-WR-HCT-69 Wk#41
Sample Date & Time	08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24	08-Feb-24
HumCell Leachate Vol [mL]	1014	1022	1047	1004	1011	962	972	1012
pH [No unit]	7.17	6.72	6.88	7.51	6.69	7.44	7.10	7.05
Alkalinity [mg/L as CaCO3]	6	3	5	8	2	8	6	4
Conductivity [uS/cm]	16	21	56	30	14	25	9	11
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.38	< 0.03	< 0.03	< 0.03	0.04	0.14	< 0.03	< 0.03
SO4 [mg/L]	< 2	6	13	5	3	3	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.001	0.013	0.026	0.049	0.008	0.002	0.033	0.061
As [mg/L]	1.34	0.0196	0.0046	0.0128	0.284	0.687	0.0054	0.0034
Ba [mg/L]	0.00056	0.00023	0.00045	0.00037	0.00015	0.00031	< 0.00008	0.00046
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000010	0.000053
B [mg/L]	0.004	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00029
Ca [mg/L]	2.25	2.64	7.63	4.71	1.79	3.18	1.60	2.00
Cd [mg/L]	< 0.000003	0.000004	0.000044	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000294	0.000154	0.00247	0.000044	0.000802	0.000517	0.000020	0.000012
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00008	0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.035	0.145	0.216	0.146	0.033	0.018	0.172	0.058
Li [mg/L]	0.0017	0.0061	0.0129	0.0022	0.0016	0.0003	0.0017	0.0013
Mg [mg/L]	0.529	0.259	0.096	0.153	0.306	0.598	0.041	0.020
Mn [mg/L]	0.00176	0.00278	0.00909	0.00989	0.00216	0.00435	0.00493	0.00258
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.08	0.13	0.07	0.05	0.03	0.06	0.14
Ni [mg/L]	0.0088	0.0004	0.0020	0.0002	0.0072	0.0082	0.0001	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.397	0.0129	0.0200	< 0.0009	0.0050	0.471	0.0014	0.0016
Se [mg/L]	< 0.00004	0.00009	0.00066	< 0.00004	< 0.00004	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00210	0.00680	0.00580	0.00395	0.00788	0.00144	0.00199	0.00340
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.00012	0.00013	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000027	< 0.000005	0.000014	< 0.000005	0.000029	< 0.000005
U [mg/L]	0.000040	0.000378	0.00152	0.000442	0.000368	0.000870	0.00436	0.00315
V [mg/L]	0.00015	0.00025	0.00005	0.00030	0.00040	0.00015	0.00001	0.00006
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.008	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	19: CV5-ORE-HCT-74 Wk#41	20: CV5-ORE-HCT-76 Wk#41
Sample Date & Time	08-Feb-24	08-Feb-24

OnLine LMS

0003627310

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10066-FEB24**

Analysis	19: CV5-ORE-HCT-74 Wk#41	20: CV5-ORE-HCT-76 Wk#41
HumCell Leachate Vol [mL]	1040	1007
pH [No unit]	6.73	7.23
Alkalinity [mg/L as CaCO3]	2	6
Conductivity [uS/cm]	3	14
Acidity [mg/L as CaCO3]	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.040	0.028
As [mg/L]	0.0097	0.0026
Ba [mg/L]	0.00059	< 0.00008
Be [mg/L]	< 0.000007	0.000026
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00009
Ca [mg/L]	0.71	2.54
Cd [mg/L]	0.000008	< 0.000003
Co [mg/L]	0.000023	0.000013
Cr [mg/L]	0.00009	< 0.00008
Cu [mg/L]	< 0.002	< 0.002
Fe [mg/L]	0.017	< 0.007
K [mg/L]	0.104	0.205
Li [mg/L]	0.0063	0.0060
Mg [mg/L]	0.008	0.082
Mn [mg/L]	0.0594	0.00108
Mo [mg/L]	0.0005	< 0.0004
Na [mg/L]	0.12	0.07
Ni [mg/L]	0.0005	0.0001
Pb [mg/L]	0.00037	< 0.00009
Sb [mg/L]	0.0098	0.0011
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	0.00008	< 0.00006
Sr [mg/L]	0.00099	0.00552
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000031	0.000016
U [mg/L]	0.000823	0.00357
V [mg/L]	0.00003	0.00004
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	0.004	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNT SMS

0003627310

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

30-October-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 10 October 2024
LR Report: **CA10074-OCT24**
Reference: Wk#76

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#76	6: CV5-WR-HCT -5 Wk#76	7: CV5-WR-HCT- 5 (DUP) Wk#76	8: CV5-WR-HCT -14 Wk#76	9: CV5-WR-HCT -22 Wk#76
Sample Date & Time			10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24
HumCell Leachate Vol [mL]	15-Oct-24	11:39	942	980	958	1007	998
pH [No unit]	15-Oct-24	16:16	6.77	6.91	6.59	7.22	7.01
Alkalinity [mg/L as CaCO3]	11-Oct-24	12:46	2	4	2	12	4
Conductivity [uS/cm]	11-Oct-24	12:47	32	20	13	24	9
Acidity [mg/L as CaCO3]	11-Oct-24	12:47	< 2	< 2	< 2	< 2	< 2
F [mg/L]	11-Oct-24	11:45	< 0.06	0.08	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	15-Oct-24	10:57	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	25-Oct-24	15:47	9	3	3	< 2	< 2
Cl [mg/L]	25-Oct-24	15:47	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	17-Oct-24	10:44	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	17-Oct-24	10:44	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	17-Oct-24	10:44	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	18-Oct-24	10:15	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	18-Oct-24	10:15	0.015	0.020	0.018	0.077	0.015
As [mg/L]	18-Oct-24	10:15	0.0013	0.0935	0.0683	0.0194	0.0645
Ba [mg/L]	18-Oct-24	10:15	0.00024	0.00015	0.00015	0.00010	0.00011
Be [mg/L]	18-Oct-24	10:15	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	18-Oct-24	10:15	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	18-Oct-24	10:15	4.85	3.32	2.28	4.93	1.48
Cd [mg/L]	18-Oct-24	10:15	< 0.000003	0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	18-Oct-24	10:15	0.000148	0.000210	0.000150	0.000044	0.000093
Cr [mg/L]	18-Oct-24	10:15	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	18-Oct-24	10:15	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	18-Oct-24	10:15	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	18-Oct-24	10:15	0.098	0.044	0.044	0.017	0.020
Li [mg/L]	18-Oct-24	10:15	0.0033	0.0044	0.0036	0.0026	0.0032
Mg [mg/L]	18-Oct-24	10:15	0.162	0.113	0.097	0.132	0.168

OnLine LIMS

0003910304

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10074-OCT24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#76	6: CV5-WR-HCT -5 Wk#76	7: CV5-WR-HCT-5 (DUP) Wk#76	8: CV5-WR-HCT -14 Wk#76	9: CV5-WR-HCT -22 Wk#76
Mn [mg/L]	18-Oct-24	10:15	0.00148	0.00122	0.00100	0.00520	0.00057
Mo [mg/L]	18-Oct-24	10:15	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	18-Oct-24	10:15	0.12	0.06	0.09	0.11	0.04
Ni [mg/L]	18-Oct-24	10:15	0.0004	0.0011	0.0007	< 0.0001	0.0002
Pb [mg/L]	18-Oct-24	10:15	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00010
Sb [mg/L]	18-Oct-24	10:15	0.0011	0.0221	0.0100	0.0019	0.0026
Se [mg/L]	18-Oct-24	10:15	0.00007	< 0.00004	< 0.00004	0.00005	< 0.00004
Sn [mg/L]	18-Oct-24	10:15	< 0.00006	< 0.00006	0.00006	< 0.00006	< 0.00006
Sr [mg/L]	18-Oct-24	10:15	0.00656	0.00313	0.00304	0.00293	0.00351
Ti [mg/L]	16-Oct-24	12:31	0.0001	< 0.0001	< 0.0001	0.0001	0.0001
Tl [mg/L]	16-Oct-24	12:31	0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005
U [mg/L]	16-Oct-24	12:31	0.000043	0.000013	0.000044	0.000016	0.000125
V [mg/L]	16-Oct-24	12:31	0.00011	0.00031	0.00026	0.00161	0.00077
W [mg/L]	16-Oct-24	12:31	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	16-Oct-24	12:31	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	16-Oct-24	12:31	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	16-Oct-24	12:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	16-Oct-24	12:31	0.0051	0.0062	0.0060	0.0013	0.0032
Dy (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	18-Oct-24	10:15	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	18-Oct-24	10:15	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	16-Oct-24	12:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	18-Oct-24	10:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	16-Oct-24	12:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	16-Oct-24	12:31	0.0032	0.0024	0.0023	0.0004	0.0012
Re (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	16-Oct-24	12:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	18-Oct-24	10:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0003910304

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10074-OCT24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#76	6: CV5-WR-HCT -5 Wk#76	7: CV5-WR-HCT- 5 (DUP) Wk#76	8: CV5-WR-HCT -14 Wk#76	9: CV5-WR-HCT -22 Wk#76
Th (tot) [mg/L]	16-Oct-24	12:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	18-Oct-24	10:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#76	11: CV5-WR-HCT -36 Wk#76	12: CV5-WR-HCT -39 Wk#76	13: CV5-WR-HCT -50 Wk#76	14: CV5-WR-HCT -56 Wk#76	15: CV5-WR-HCT -59 Wk#76	16: CV5-WR-HCT -62 Wk#76
Sample Date & Time	10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24
HumCell Leachate Vol [mL]	1014	998	945	1001	986	1004	934
pH [No unit]	7.42	7.19	6.28	6.71	7.02	6.17	6.91
Alkalinity [mg/L as CaCO3]	5	5	< 2	4	5	< 2	6
Conductivity [uS/cm]	12	13	18	46	26	14	16
Acidity [mg/L as CaCO3]	< 2	< 2	2	10	< 2	4	< 2
F [mg/L]	< 0.06	< 0.06	0.21	0.73	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.21	< 0.03	< 0.03	< 0.03	< 0.03	0.09
SO4 [mg/L]	< 2	< 2	5	6	6	3	< 2
Cl [mg/L]	< 1	< 1	< 1	2	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.054	0.001	0.006	0.020	0.031	0.002	0.001
As [mg/L]	0.0029	0.694	0.0077	0.0011	0.0045	0.0698	0.356
Ba [mg/L]	0.00013	0.00032	0.00017	0.00036	0.00035	0.00016	0.00074
Be [mg/L]	< 0.000007	< 0.000007	0.000007	0.000028	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.16	1.89	2.37	5.30	4.79	1.72	2.30
Cd [mg/L]	< 0.000003	0.000004	0.000013	0.000213	< 0.000003	0.000005	< 0.000003
Co [mg/L]	0.000052	0.000388	0.000225	0.0134	0.000058	0.00292	0.000420
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00011	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.041	< 0.007	0.008	< 0.007
K [mg/L]	0.021	0.030	0.101	0.104	0.079	0.016	0.019
Li [mg/L]	0.0014	0.0012	0.0045	0.0084	0.0010	0.0010	0.0002
Mg [mg/L]	0.049	0.448	0.214	0.090	0.106	0.236	0.662
Mn [mg/L]	0.00551	0.00146	0.00257	0.0124	0.00462	0.00464	0.00220
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.08	< 0.01	0.05	0.12	0.08	0.02	0.03
Ni [mg/L]	< 0.0001	0.0055	0.0005	0.0184	0.0001	0.0336	0.0047
Pb [mg/L]	< 0.00009	0.00074	0.00081	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.198	0.0046	0.0061	< 0.0009	0.0019	0.214
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	0.00038	< 0.00004	< 0.00004	< 0.00004

OnLine LIMS

0003910304

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10074-OCT24**

Analysis	10: CV5-WR-HCT -33 Wk#76	11: CV5-WR-HCT -36 Wk#76	12: CV5-WR-HCT -39 Wk#76	13: CV5-WR-HCT -50 Wk#76	14: CV5-WR-HCT -56 Wk#76	15: CV5-WR-HCT -59 Wk#76	16: CV5-WR-HCT -62 Wk#76
Sn [mg/L]	0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00168	0.00133	0.00450	0.00269	0.00299	0.00565	0.00211
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000006	0.000033	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000011	0.000014	0.000075	0.000359	0.000246	0.000003	0.000032
V [mg/L]	0.00044	0.00011	0.00014	0.00001	0.00016	0.00009	0.00008
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.076	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00006	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0018	0.0085	0.0015	0.0325	0.0137	0.0066	0.0020
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00001	0.00001	0.00005	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0005	0.0018	0.0019	0.0077	0.0008	0.0018	0.0011
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0003910304

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10074-OCT24**

Analysis	17: CV5-WR-HCT-64 Wk#76	18: CV5-WR-HCT-69 Wk#76	19: CV5-ORE-HCT-74 Wk#76	20: CV5-ORE-HCT-76 Wk#76
Sample Date & Time	10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24
HumCell Leachate Vol [mL]	1003	1007	1011	976
pH [No unit]	6.60	7.12	6.31	6.86
Alkalinity [mg/L as CaCO3]	2	4	< 2	4
Conductivity [uS/cm]	5	10	2	9
Acidity [mg/L as CaCO3]	< 2	< 2	2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.018	0.052	0.015	0.027
As [mg/L]	0.0050	0.0021	0.0052	0.0012
Ba [mg/L]	< 0.00008	0.00011	< 0.00008	< 0.00008
Be [mg/L]	0.000009	0.000073	0.000007	0.000062
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00020	0.00002	0.00007
Ca [mg/L]	1.12	2.00	0.36	1.79
Cd [mg/L]	0.000003	0.000008	0.000004	< 0.000003
Co [mg/L]	0.000005	0.000031	0.000013	0.000008
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.121	0.044	0.068	0.149
Li [mg/L]	0.0008	0.0007	0.0054	0.0042
Mg [mg/L]	0.024	0.015	0.008	0.059
Mn [mg/L]	0.00597	0.00230	0.0470	0.00062
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.01	0.06	0.05	0.07
Ni [mg/L]	< 0.0001	0.0001	0.0001	< 0.0001
Pb [mg/L]	0.00016	< 0.00009	0.00018	< 0.00009
Sb [mg/L]	< 0.0009	0.0009	0.0040	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	0.00009	< 0.00006	0.00007	0.00007
Sr [mg/L]	0.00112	0.00243	0.00070	0.00315
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000030	0.000005	0.000030	0.000011
U [mg/L]	0.000143	0.00182	0.000267	0.000460
V [mg/L]	0.00001	0.00003	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

0003910304

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10074-OCT24**

Analysis	17: CV5-WR-HCT-64 Wk#76	18: CV5-WR-HCT-69 Wk#76	19: CV5-ORE-HCT-74 Wk#76	20: CV5-ORE-HCT-76 Wk#76
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0059	0.0014	0.0101	0.0035
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	0.00003
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0148	0.0032	0.0123	0.0071
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003910304

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,, Montreal
Canada, H3A 1Z4
Phone: 647-782-7386, Fax:

Date Rec. : 01 August 2024
LR Report: **CA10000-AUG24**
Reference: Wk#66

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#66	6: CV5-WR-HCT-5 Wk#66	7: CV5-WR-HCT-5 (DUP) Wk#66	8: CV5-WR-HCT-14 Wk#66	9: CV5-WR-HCT-22 Wk#66	10: CV5-WR-HCT-33 Wk#66	11: CV5-WR-HCT-36 Wk#66
Sample Date & Time			01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24
HumCell Leachate Vol [mL]	02-Aug-24	15:36	931	941	945	990	960	966	969
pH [No unit]	02-Aug-24	12:31	6.77	6.90	6.77	7.56	6.65	6.95	6.94
Conductivity [uS/cm]	02-Aug-24	12:31	35	21	17	27	8	12	16

Analysis	12: CV5-WR-HCT-39 Wk#66	13: CV5-WR-HCT-50 Wk#66	14: CV5-WR-HCT-56 Wk#66	15: CV5-WR-HCT-59 Wk#66	16: CV5-WR-HCT-62 Wk#66	17: CV5-WR-HCT-64 Wk#66	18: CV5-WR-HCT-69 Wk#66	19: CV5-ORE-HCT-74 Wk#66	20: CV5-ORE-HCT-76 Wk#66
Sample Date & Time	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24
HumCell Leachate Vol [mL]	958	967	976	993	927	1012	1010	1000	953
pH [No unit]	6.29	6.60	7.09	6.37	7.25	6.94	7.15	6.59	7.05
Conductivity [uS/cm]	17	47	32	14	20	9	13	3	10



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003816376

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

15-February-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 01 February 2024
LR Report: **CA10005-FEB24**
Reference: Wk#40

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#40	6: CV5-DMS-HC T-84 Wk#40
Sample Date & Time			01-Feb-24	01-Feb-24
HumCell Leachate Vol [mL]	06-Feb-24	21:16	979	967
pH [No unit]	02-Feb-24	15:20	6.24	6.15
Alkalinity [mg/L as CaCO3]	02-Feb-24	15:20	< 2	< 2
Conductivity [uS/cm]	05-Feb-24	14:39	3	2
Acidity [mg/L as CaCO3]	02-Feb-24	15:20	2	2
F [mg/L]	05-Feb-24	09:26	< 0.06	< 0.06
Tot.Reactive P [mg/L]	08-Feb-24	08:29	< 0.03	< 0.03
SO4 [mg/L]	05-Feb-24	18:45	< 2	< 2
Cl [mg/L]	05-Feb-24	18:45	< 1	< 1
NO2 [as N mg/L]	09-Feb-24	14:04	< 0.03	< 0.03
NO3 [as N mg/L]	09-Feb-24	14:04	< 0.06	< 0.06
Br [mg/L]	09-Feb-24	14:04	< 0.3	< 0.3
Hg [mg/L]	05-Feb-24	11:02	< 0.00001	< 0.00001
Ag [mg/L]	09-Feb-24	13:55	< 0.00005	< 0.00005
Al [mg/L]	09-Feb-24	13:55	0.013	0.012
As [mg/L]	09-Feb-24	13:55	0.0035	0.0025
Ba [mg/L]	09-Feb-24	13:55	0.00029	0.00008
Be [mg/L]	09-Feb-24	13:55	< 0.000007	< 0.000007
B [mg/L]	09-Feb-24	13:55	< 0.002	< 0.002
Bi [mg/L]	09-Feb-24	13:55	0.00003	0.00003
Ca [mg/L]	09-Feb-24	13:55	0.41	0.37
Cd [mg/L]	09-Feb-24	13:55	0.000003	< 0.000003
Co [mg/L]	09-Feb-24	13:55	< 0.000004	< 0.000004
Cr [mg/L]	09-Feb-24	13:55	< 0.00008	< 0.00008
Cu [mg/L]	09-Feb-24	13:55	< 0.002	< 0.002
Fe [mg/L]	09-Feb-24	13:55	< 0.007	< 0.007
K [mg/L]	09-Feb-24	13:55	0.071	0.075
Li [mg/L]	09-Feb-24	13:55	0.0007	0.0006
Mg [mg/L]	09-Feb-24	13:55	0.014	0.015

OnLine LIMS

0003621769

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10005-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#40	6: CV5-DMS-HC T-84 Wk#40
Mn [mg/L]	09-Feb-24	13:55	0.00066	0.00117
Mo [mg/L]	09-Feb-24	13:55	0.00045	< 0.0004
Na [mg/L]	09-Feb-24	13:55	0.08	0.07
Ni [mg/L]	09-Feb-24	13:55	0.0001	0.0002
Pb [mg/L]	09-Feb-24	13:55	< 0.00009	< 0.00009
Sb [mg/L]	09-Feb-24	13:55	0.0014	0.0011
Se [mg/L]	09-Feb-24	13:55	< 0.00004	< 0.00004
Sn [mg/L]	09-Feb-24	13:55	< 0.00006	< 0.00006
Sr [mg/L]	09-Feb-24	13:55	0.00123	0.00088
Ti [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Tl [mg/L]	09-Feb-24	13:55	< 0.000005	< 0.000005
U [mg/L]	09-Feb-24	13:55	0.000930	0.001049
V [mg/L]	09-Feb-24	13:55	0.00001	0.00001
W [mg/L]	09-Feb-24	13:55	< 0.0002	< 0.0002
Y [mg/L]	09-Feb-24	13:55	< 0.00002	< 0.00002
Zn [mg/L]	09-Feb-24	13:55	< 0.002	< 0.002
Au (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Ce (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Cs (tot) [mg/L]	09-Feb-24	13:55	0.0018	0.0017
Dy (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Er (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Eu (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Ga (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Gd (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Ge (tot) [mg/L]	09-Feb-24	13:57	< 0.0001	< 0.0001
Hf (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Ho (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
In (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Ir (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
La (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Lu (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Nb (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Nd (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Os (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Pd (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Pr (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Pt (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Rb (tot) [mg/L]	09-Feb-24	13:55	0.0044	0.0043
Re (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Rh (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Sc (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Sm (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Ta (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Tb (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Te (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001

OnLine LIMS

0003621769

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10005-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#40	6: CV5-DMS-HC T-84 Wk#40
Th (tot) [mg/L]	09-Feb-24	13:55	< 0.0001	< 0.0001
Tm (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001
Yb (tot) [mg/L]	09-Feb-24	13:55	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003621769

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

15-February-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 01 February 2024
LR Report: **CA10006-FEB24**
Reference: Wk#40

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#40	6: CV5-WR-HCT-5 Wk#40	7: CV5-WR-HCT-5 (DUP) Wk#40	8: CV5-WR-HCT-14 Wk#40	9: CV5-WR-HCT-22 Wk#40
Sample Date & Time			01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24
HumCell Leachate Vol [mL]	06-Feb-24	21:16	899	884	911	932	945
pH [No unit]	05-Feb-24	11:45	6.59	6.97	6.81	7.85	6.78
Alkalinity [mg/L as CaCO3]	05-Feb-24	11:42	2	3	3	10	2
Conductivity [uS/cm]	05-Feb-24	11:42	32	18	14	26	8
Acidity [mg/L as CaCO3]	06-Feb-24	10:41	< 2	< 2	< 2	< 2	< 2
F [mg/L]	05-Feb-24	09:27	< 0.06	0.07	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	06-Feb-24	09:27	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	05-Feb-24	18:45	11	3	3	< 2	< 2
Cl [mg/L]	05-Feb-24	18:45	1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	09-Feb-24	14:04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	09-Feb-24	14:04	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	09-Feb-24	14:04	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	05-Feb-24	11:01	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	09-Feb-24	14:01	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	09-Feb-24	14:01	0.027	0.033	0.032	0.104	0.031
As [mg/L]	09-Feb-24	14:01	0.0029	0.154	0.113	0.0318	0.0968
Ba [mg/L]	09-Feb-24	14:01	0.00041	0.00035	0.00016	0.00012	0.00010
Be [mg/L]	09-Feb-24	14:01	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	09-Feb-24	14:01	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	09-Feb-24	14:01	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	09-Feb-24	14:01	5.24	3.11	2.45	5.06	1.32
Cd [mg/L]	09-Feb-24	14:01	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	09-Feb-24	14:01	0.000095	0.000178	0.000156	0.000072	0.000186
Cr [mg/L]	09-Feb-24	14:01	< 0.00008	0.00009	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	09-Feb-24	14:01	< 0.002	0.0023	< 0.002	< 0.002	< 0.002
Fe [mg/L]	09-Feb-24	14:01	0.008	0.008	0.007	0.013	0.026
K [mg/L]	09-Feb-24	14:01	0.186	0.107	0.086	0.043	0.041
Li [mg/L]	09-Feb-24	14:01	0.0064	0.0076	0.0067	0.0034	0.0042
Mg [mg/L]	09-Feb-24	14:01	0.290	0.170	0.153	0.203	0.177

OnLine LMS

0003621819

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10006-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#40	6: CV5-WR-HCT-5 Wk#40	7: CV5-WR-HCT-5 (DUP) Wk#40	8: CV5-WR-HCT-14 Wk#40	9: CV5-WR-HCT-22 Wk#40
Mn [mg/L]	09-Feb-24	14:01	0.00147	0.00128	0.00134	0.00542	0.00098
Mo [mg/L]	09-Feb-24	14:01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0006
Na [mg/L]	09-Feb-24	14:00	0.18	0.11	0.10	0.20	0.14
Ni [mg/L]	09-Feb-24	14:00	0.0005	0.0012	0.0008	0.0003	0.0006
Pb [mg/L]	09-Feb-24	14:00	< 0.00009	< 0.00009	0.00021	< 0.00009	< 0.00009
Sb [mg/L]	09-Feb-24	14:00	0.0024	0.0344	0.0198	0.0032	0.0041
Se [mg/L]	09-Feb-24	14:00	0.00017	0.00005	0.00004	0.00010	0.00005
Sn [mg/L]	09-Feb-24	14:00	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	09-Feb-24	14:00	0.01057	0.00534	0.00461	0.00361	0.00379
Ti [mg/L]	09-Feb-24	14:00	0.0001	0.0002	0.0002	0.0006	0.0005
Tl [mg/L]	09-Feb-24	14:00	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	09-Feb-24	14:00	0.000175	0.000050	0.000312	0.000128	0.000171
V [mg/L]	09-Feb-24	13:59	0.00025	0.00044	0.00040	0.00225	0.00087
W [mg/L]	09-Feb-24	13:59	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	09-Feb-24	13:59	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	09-Feb-24	13:59	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	09-Feb-24	13:59	0.00002	< 0.00001	< 0.00001	0.00001	0.00009
Cs (tot) [mg/L]	09-Feb-24	13:59	0.0062	0.0082	0.0083	0.0015	0.0035
Dy (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	09-Feb-24	13:59	0.0032	0.0029	0.0025	0.0004	0.0010
Re (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0003621819

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10006-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#40	6: CV5-WR-HCT-5 Wk#40	7: CV5-WR-HCT-5 (DUP) Wk#40	8: CV5-WR-HCT-14 Wk#40	9: CV5-WR-HCT-22 Wk#40
Th (tot) [mg/L]	09-Feb-24	13:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	09-Feb-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-33 Wk#40	11: CV5-WR-HCT-36 Wk#40	12: CV5-WR-HCT-39 Wk#40	13: CV5-WR-HCT-50 Wk#40	14: CV5-WR-HCT-56 Wk#40	15: CV5-WR-HCT-59 Wk#40	16: CV5-WR-HCT-62 Wk#40
Sample Date & Time	01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24
HumCell Leachate Vol [mL]	937	928	936	983	904	982	880
pH [No unit]	7.25	7.05	6.48	7.00	7.46	6.75	7.39
Alkalinity [mg/L as CaCO3]	4	4	2	3	8	2	10
Conductivity [uS/cm]	12	13	22	43	33	18	30
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	0.14	0.21	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.20	< 0.03	< 0.03	< 0.03	0.05	0.19
SO4 [mg/L]	< 2	< 2	6	8	7	3	3
Cl [mg/L]	< 1	< 1	< 1	3	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.067	0.003	0.017	0.011	0.064	0.010	0.002
As [mg/L]	0.0040	0.863	0.0195	0.0029	0.0146	0.328	0.803
Ba [mg/L]	0.00017	0.00058	0.00021	0.00120	0.00044	0.00020	0.00061
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.33	2.05	2.97	6.08	5.98	2.22	4.34
Cd [mg/L]	0.000003	0.000009	0.000012	0.000032	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000041	0.000256	0.000139	0.00193	0.000050	0.000920	0.000413
Cr [mg/L]	< 0.00008	0.00012	< 0.00008	< 0.00008	< 0.00008	0.00012	< 0.00008
Cu [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	< 0.007	0.007	< 0.007	< 0.007	< 0.007	0.008	< 0.007
K [mg/L]	0.054	0.048	0.185	0.165	0.235	0.056	0.045
Li [mg/L]	0.0031	0.0020	0.0072	0.0078	0.0029	0.0022	0.0005
Mg [mg/L]	0.096	0.438	0.338	0.086	0.229	0.391	1.05
Mn [mg/L]	0.00576	0.00143	0.00173	0.00709	0.0118	0.00252	0.00369
Mo [mg/L]	< 0.0004	0.0004	< 0.0004	0.0008	< 0.0004	< 0.0004	0.0005
Na [mg/L]	0.14	0.06	0.14	0.14	0.11	0.09	0.06
Ni [mg/L]	0.0002	0.0067	0.0005	0.0016	0.0003	0.0076	0.0065
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00024	< 0.00009
Sb [mg/L]	0.0011	0.382	0.0106	0.0150	< 0.0009	0.0056	0.757
Se [mg/L]	0.00008	0.00005	0.00006	0.00045	0.00007	< 0.00004	0.00011

OnLine LIMS

0003621819

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10006-FEB24**

Analysis	10: CV5-WR-HCT-33 Wk#40	11: CV5-WR-HCT-36 Wk#40	12: CV5-WR-HCT-39 Wk#40	13: CV5-WR-HCT-50 Wk#40	14: CV5-WR-HCT-56 Wk#40	15: CV5-WR-HCT-59 Wk#40	16: CV5-WR-HCT-62 Wk#40
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00247	0.00246	0.00807	0.00509	0.00504	0.00965	0.00237
Ti [mg/L]	0.0004	< 0.0001	0.0002	< 0.0001	0.0001	0.0003	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000012	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000043	0.000029	0.000342	0.00124	0.00127	0.000026	0.000149
V [mg/L]	0.00061	0.00012	0.00029	0.00004	0.00039	0.00049	0.00019
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.008	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00001	0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0030	0.0099	0.0021	0.0287	0.0232	0.0108	0.0038
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00004
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0005	0.0016	0.0021	0.0067	0.0010	0.0027	0.0016
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0003621819

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10006-FEB24**

Analysis	17: CV5-WR-HCT-64 Wk#40	18: CV5-WR-HCT-69 Wk#40	19: CV5-ORE-HCT-74 Wk#40	20: CV5-ORE-HCT-76 Wk#40
Sample Date & Time	01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24
HumCell Leachate Vol [mL]	914	999	978	996
pH [No unit]	6.98	6.99	6.83	7.22
Alkalinity [mg/L as CaCO3]	3	5	2	7
Conductivity [uS/cm]	6	13	6	16
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.131	0.049	0.018	0.032
As [mg/L]	0.0042	0.0053	0.0082	0.0026
Ba [mg/L]	0.00016	< 0.00008	0.00011	0.00010
Be [mg/L]	0.000365	0.000012	< 0.000007	0.000042
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	0.00029	< 0.00001	< 0.00001	0.00007
Ca [mg/L]	2.44	1.30	0.69	2.93
Cd [mg/L]	0.000005	< 0.000003	0.000006	0.000003
Co [mg/L]	0.000013	0.000014	0.000006	0.000004
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00008
Cu [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.093	0.233	0.113	0.259
Li [mg/L]	0.0018	0.0016	0.0068	0.0066
Mg [mg/L]	0.032	0.042	0.013	0.112
Mn [mg/L]	0.00326	0.00385	0.0522	0.00120
Mo [mg/L]	< 0.0004	0.0014	0.0024	< 0.0004
Na [mg/L]	0.18	0.10	0.14	0.13
Ni [mg/L]	< 0.0001	0.0002	0.0002	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00014
Sb [mg/L]	0.0019	0.0011	0.0086	0.0011
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	0.00007	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00404	0.00175	0.00112	0.00603
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000011	0.000040	0.000024	0.000014
U [mg/L]	0.00313	0.000488	0.000866	0.00125
V [mg/L]	0.00006	0.00003	< 0.00001	0.00005
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

0003621819

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10006-FEB24**

Analysis	17: CV5-WR-HCT-64 Wk#40	18: CV5-WR-HCT-69 Wk#40	19: CV5-ORE-HCT-74 Wk#40	20: CV5-ORE-HCT-76 Wk#40
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	0.00008	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0023	0.0079	0.0105	0.0062
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	0.0002	0.0001	0.0001	0.0002
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	0.00018	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	0.00002	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0047	0.0164	0.0122	0.0088
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003621819

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

27-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 02 May 2024
LR Report: **CA10017-MAY24**
Reference: Wk#53

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#53	6: CV5-DMS-HCT-84 Wk#53
Sample Date & Time			02-May-24	02-May-24
HumCell Leachate Vol [mL]	02-May-24	13:27	1004	1002
pH [No unit]	03-May-24	11:54	6.09	5.99
Alkalinity [mg/L as CaCO3]	03-May-24	11:54	< 2	< 2
Conductivity [uS/cm]	03-May-24	11:54	< 2	< 2
Acidity [mg/L as CaCO3]	06-May-24	12:14	4	2
Tot.Reactive P [mg/L]	06-May-24	08:22	< 0.03	< 0.03
SO4 [mg/L]	13-May-24	17:02	< 2	< 2
Ag [mg/L]	09-May-24	16:18	< 0.00005	< 0.00005
Al [mg/L]	09-May-24	16:18	0.007	0.007
As [mg/L]	09-May-24	16:18	0.0027	0.0027
Ba [mg/L]	09-May-24	16:18	< 0.00008	< 0.00008
Be [mg/L]	09-May-24	16:18	< 0.000007	< 0.000007
B [mg/L]	09-May-24	16:18	< 0.002	< 0.002
Bi [mg/L]	09-May-24	16:18	0.00002	0.00003
Ca [mg/L]	09-May-24	16:18	0.29	0.30
Cd [mg/L]	09-May-24	16:18	< 0.000003	< 0.000003
Co [mg/L]	09-May-24	16:18	0.000017	0.000014
Cr [mg/L]	09-May-24	16:18	---	< 0.00008
Cr [mg/L]	09-May-24	16:18	< 0.00008	---
Cu [mg/L]	09-May-24	16:18	< 0.001	< 0.001
Fe [mg/L]	09-May-24	16:18	---	< 0.007
Fe [mg/L]	09-May-24	16:18	< 0.007	---
K [mg/L]	09-May-24	16:18	0.047	0.041
Li [mg/L]	09-May-24	16:18	0.0004	0.0004
Mg [mg/L]	09-May-24	16:18	0.010	0.013
Mn [mg/L]	09-May-24	16:18	0.00120	0.00142
Mo [mg/L]	09-May-24	16:18	< 0.0004	< 0.0004
Na [mg/L]	09-May-24	16:18	0.03	0.03
Ni [mg/L]	09-May-24	16:18	0.0002	0.0003
Pb [mg/L]	09-May-24	16:18	< 0.00009	< 0.00009

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10017-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#53	6: CV5-DMS-HCT-84 Wk#53
Sb [mg/L]	09-May-24	16:18	0.0014	0.0014
Se [mg/L]	09-May-24	16:18	< 0.00004	< 0.00004
Sn [mg/L]	09-May-24	16:18	< 0.00006	< 0.00006
Sr [mg/L]	09-May-24	16:18	0.00061	0.00063
Ti [mg/L]	09-May-24	16:18	< 0.0001	< 0.0001
Tl [mg/L]	09-May-24	16:18	< 0.000005	< 0.000005
U [mg/L]	09-May-24	16:18	0.000574	0.000682
V [mg/L]	09-May-24	16:18	0.00003	0.00002
W [mg/L]	09-May-24	16:18	< 0.0002	< 0.0002
Y [mg/L]	09-May-24	16:18	< 0.00002	< 0.00002
Zn [mg/L]	09-May-24	16:18	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003724452

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 02 May 2024
LR Report: **CA10018-MAY24**
Reference: Wk#53

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#53	6: CV5-WR-HCT-5 Wk#53	7: CV5-WR-HCT-5 (DUP) Wk#53	8: CV5-WR-HCT-14 Wk#53	9: CV5-WR-HCT-22 Wk#53	10: CV5-WR-HCT-33 Wk#53
Sample Date & Time			02-May-24	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24
HumCell Leachate Vol [mL]	02-May-24	13:27	929	924	953	1000	975	996
pH [No unit]	06-May-24	12:15	6.81	6.95	6.77	7.72	6.77	7.34
Alkalinity [mg/L as CaCO3]	06-May-24	12:15	2	3	2	12	2	7
Conductivity [uS/cm]	03-May-24	11:59	28	16	13	25	7	14
Acidity [mg/L as CaCO3]	06-May-24	12:15	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	06-May-24	08:22	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	13-May-24	17:02	10	4	3	< 2	< 2	< 2
Ag [mg/L]	09-May-24	16:18	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	09-May-24	16:18	0.021	0.027	0.021	0.087	0.027	0.052
As [mg/L]	09-May-24	16:18	0.0024	0.135	0.0901	0.0261	0.0701	0.0051
Ba [mg/L]	09-May-24	16:18	0.00018	0.00017	0.00011	0.00008	0.00016	0.00043
Be [mg/L]	09-May-24	16:18	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	09-May-24	16:18	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	09-May-24	16:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	09-May-24	16:18	4.60	2.98	2.25	5.14	1.19	2.74
Cd [mg/L]	09-May-24	16:18	< 0.000003	< 0.000003	< 0.000003	0.000005	< 0.000003	< 0.000003
Co [mg/L]	09-May-24	16:18	0.000129	0.000189	0.000192	0.000082	0.000202	0.000079
Cr [mg/L]	09-May-24	16:18	< 0.00008	0.00009	< 0.00008	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	09-May-24	16:18	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	09-May-24	16:18	< 0.007	< 0.007	< 0.007	< 0.007	0.011	< 0.007
K [mg/L]	09-May-24	16:18	0.137	0.068	0.058	0.031	0.029	0.037
Li [mg/L]	09-May-24	16:18	0.0052	0.0058	0.0049	0.0035	0.0033	0.0022
Mg [mg/L]	09-May-24	16:18	0.209	0.130	0.111	0.170	0.142	0.066
Mn [mg/L]	09-May-24	16:18	0.00136	0.00120	0.00121	0.00529	0.00075	0.00866
Mo [mg/L]	09-May-24	16:18	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	09-May-24	16:18	0.12	0.07	0.07	0.13	0.07	0.08
Ni [mg/L]	09-May-24	16:18	0.0004	0.0013	0.0008	0.0002	0.0007	0.0003
Pb [mg/L]	09-May-24	16:18	< 0.00009	< 0.00009	0.00014	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	09-May-24	16:18	0.0016	0.0251	0.0133	0.0027	0.0027	0.0014
Se [mg/L]	09-May-24	16:18	0.00009	< 0.00004	< 0.00004	0.00004	< 0.00004	< 0.00004
Sn [mg/L]	09-May-24	16:18	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	09-May-24	16:18	0.00761	0.00392	0.00347	0.00330	0.00298	0.00241
Ti [mg/L]	09-May-24	16:18	< 0.0001	0.00013	< 0.0001	0.00013	0.00039	< 0.0001
Tl [mg/L]	09-May-24	16:18	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	09-May-24	16:18	0.000067	0.000018	0.000019	0.000033	0.000094	0.000077

OnLine LIMS

0003710336

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10018-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#53	6: CV5-WR-HCT-5 Wk#53	7: CV5-WR-HCT-5 (DUP) Wk#53	8: CV5-WR-HCT-14 Wk#53	9: CV5-WR-HCT-22 Wk#53	10: CV5-WR-HCT-33 Wk#53
V [mg/L]	09-May-24	16:18	0.00019	0.00036	0.00029	0.00182	0.00070	0.00045
W [mg/L]	09-May-24	16:18	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	09-May-24	16:18	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	09-May-24	16:18	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-36 Wk#53	12: CV5-WR-HCT-39 Wk#53	13: CV5-WR-HCT-50 Wk#53	14: CV5-WR-HCT-56 Wk#53	15: CV5-WR-HCT-59 Wk#53	16: CV5-WR-HCT-62 Wk#53	17: CV5-WR-HCT-64 Wk#53	18: CV5-WR-HCT-69 Wk#53
Sample Date & Time	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24	02-May-24
HumCell Leachate Vol [mL]	1003	968	998	998	935	1003	963	1000
pH [No unit]	7.11	6.38	7.23	7.09	6.34	7.18	7.13	7.24
Alkalinity [mg/L as CaCO3]	5	< 2	7	6	< 2	6	4	5
Conductivity [uS/cm]	12	16	46	30	14	17	8	10
Acidity [mg/L as CaCO3]	< 2	2	2	< 2	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.18	< 0.03	< 0.03	< 0.03	< 0.03	0.08	< 0.03	< 0.03
SO4 [mg/L]	< 2	5	7	6	4	2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.002	0.011	0.025	0.041	0.002	< 0.001	0.024	0.049
As [mg/L]	0.800	0.0131	0.0032	0.0085	0.123	0.469	0.0047	0.0024
Ba [mg/L]	0.00050	0.00014	0.00028	0.00036	0.00013	0.00034	0.00020	0.00010
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000087
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00022
Ca [mg/L]	1.90	2.24	7.68	5.06	1.79	2.27	1.60	2.13
Cd [mg/L]	< 0.000003	0.000006	0.000048	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000461	0.000105	0.00291	0.000050	0.00167	0.000402	0.000012	0.000013
Cr [mg/L]	0.00014	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.029	0.106	0.137	0.133	0.027	0.023	0.142	0.057
Li [mg/L]	0.0013	0.0050	0.0082	0.0018	0.0014	0.0003	0.0013	0.0012
Mg [mg/L]	0.441	0.193	0.078	0.146	0.296	0.627	0.036	0.032
Mn [mg/L]	0.00233	0.00143	0.00907	0.00541	0.00355	0.00210	0.00492	0.00249
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.08	0.11	0.06	0.04	0.02	0.05	0.10
Ni [mg/L]	0.0096	0.0004	0.0023	0.0005	0.0145	0.0056	0.0003	0.0002
Pb [mg/L]	0.00011	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.255	0.0063	0.0145	< 0.0009	0.0031	0.371	0.0011	0.0011
Se [mg/L]	< 0.00004	< 0.00004	0.00055	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00165	0.00490	0.00401	0.00382	0.00648	0.00106	0.00182	0.00322
Ti [mg/L]	< 0.0001	0.00012	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000022	< 0.000005	< 0.000005	< 0.000005	0.000023	< 0.000005
U [mg/L]	0.000011	0.000217	0.00144	0.000228	0.000014	0.000040	0.000405	0.00294
V [mg/L]	0.00011	0.00019	0.00005	0.00022	0.00019	0.00012	0.00003	0.00005
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.008	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	19: CV5-ORE-HCT-74 Wk#53	20: CV5-ORE-HCT-76 Wk#53
Sample Date & Time	02-May-24	02-May-24

OnLine LIMS

0003710336

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10018-MAY24**

Analysis	19: CV5-ORE-HCT-74 Wk#53	20: CV5-ORE-HCT-76 Wk#53
HumCell Leachate Vol [mL]	1006	1000
pH [No unit]	6.40	7.30
Alkalinity [mg/L as CaCO3]	2	4
Conductivity [uS/cm]	4	10
Acidity [mg/L as CaCO3]	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.015	0.034
As [mg/L]	0.0073	0.0015
Ba [mg/L]	< 0.00008	0.00012
Be [mg/L]	< 0.000007	0.000033
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00008
Ca [mg/L]	0.48	1.96
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000012	0.000013
Cr [mg/L]	< 0.00008	0.00010
Cu [mg/L]	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.087	0.161
Li [mg/L]	0.0062	0.0052
Mg [mg/L]	0.011	0.064
Mn [mg/L]	0.0513	0.00096
Mo [mg/L]	< 0.0004	< 0.0004
Na [mg/L]	0.09	0.07
Ni [mg/L]	0.0002	0.0002
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0067	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006
Sr [mg/L]	0.00080	0.00362
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000026	0.000012
U [mg/L]	0.000381	0.000633
V [mg/L]	0.00002	0.00004
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003710336

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

15-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 July 2024
LR Report: **CA10032-JUL24**
Reference: Wk#62

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#62	6: CV5-DMS-HCT-84 Wk#62
Sample Date & Time			04-Jul-24	04-Jul-24
HumCell Leachate Vol [mL]	05-Jul-24	14:57	1011	990
pH [No unit]	09-Jul-24	10:59	6.32	6.38
Alkalinity [mg/L as CaCO3]	10-Jul-24	09:57	< 2	< 2
Conductivity [uS/cm]	10-Jul-24	12:13	3	< 2
Acidity [mg/L as CaCO3]	10-Jul-24	09:57	3	2
Tot.Reactive P [mg/L]	08-Jul-24	08:00	< 0.03	< 0.03
SO4 [mg/L]	04-Jul-24	19:46	< 2	< 2
Ag [mg/L]	08-Jul-24	13:44	< 0.00005	< 0.00005
Al [mg/L]	08-Jul-24	13:44	0.007	0.007
As [mg/L]	08-Jul-24	13:44	0.0025	0.0020
Ba [mg/L]	08-Jul-24	13:44	< 0.00008	< 0.00008
Be [mg/L]	08-Jul-24	13:44	0.000007	0.000015
B [mg/L]	08-Jul-24	13:44	< 0.002	< 0.002
Bi [mg/L]	08-Jul-24	13:44	0.00002	0.00004
Ca [mg/L]	08-Jul-24	13:44	0.32	0.31
Cd [mg/L]	08-Jul-24	13:44	0.000005	0.000003
Co [mg/L]	08-Jul-24	13:44	0.000008	0.000006
Cr [mg/L]	08-Jul-24	13:44	< 0.00008	< 0.00008
Cu [mg/L]	08-Jul-24	13:44	< 0.001	< 0.001
Fe [mg/L]	08-Jul-24	13:44	< 0.007	< 0.007
K [mg/L]	08-Jul-24	13:44	0.033	0.033
Li [mg/L]	08-Jul-24	13:44	0.0004	0.0004
Mg [mg/L]	08-Jul-24	13:44	0.010	0.010
Mn [mg/L]	08-Jul-24	13:44	0.00156	0.00201
Mo [mg/L]	08-Jul-24	13:44	< 0.0004	< 0.0004
Na [mg/L]	08-Jul-24	13:44	0.02	0.02
Ni [mg/L]	08-Jul-24	13:44	0.0001	0.0001
Pb [mg/L]	08-Jul-24	13:44	< 0.00009	< 0.00009
Sb [mg/L]	08-Jul-24	13:44	0.0012	0.0012
Se [mg/L]	08-Jul-24	13:44	< 0.00004	< 0.00004
Sn [mg/L]	08-Jul-24	13:44	< 0.00006	< 0.00006
Sr [mg/L]	08-Jul-24	13:44	0.00068	0.00072
Ti [mg/L]	08-Jul-24	13:44	< 0.0001	< 0.0001
Tl [mg/L]	08-Jul-24	13:44	0.000007	0.000009
U [mg/L]	08-Jul-24	13:44	0.000505	0.000597

OnLine LMS

0003783514

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10032-JUL24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#62	6: CV5-DMS-HCT-84 Wk#62
V [mg/L]	08-Jul-24	13:44	< 0.00001	< 0.00001
W [mg/L]	08-Jul-24	13:44	< 0.0002	< 0.0002
Y [mg/L]	08-Jul-24	13:44	< 0.00002	< 0.00002
Zn [mg/L]	08-Jul-24	13:44	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003783514

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

23-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 July 2024
LR Report: **CA10033-JUL24**
Reference: Wk#62

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#62	6: CV5-WR-HCT -5 Wk#62	7: CV5-WR-HCT- 5 (DUP) Wk#62	8: CV5-WR-HCT -14 Wk#62	9: CV5-WR-HCT -22 Wk#62
Sample Date & Time			04-Jul-24	04-Jul-24	04-Jul-24	04-Jul-24	04-Jul-24
HumCell Leachate Vol [mL]	05-Jul-24	14:57	932	914	946	991	943
pH [No unit]	11-Jul-24	10:38	6.49	6.98	6.74	7.21	6.54
Alkalinity [mg/L as CaCO3]	11-Jul-24	10:38	2	3	3	11	2
Conductivity [uS/cm]	11-Jul-24	10:01	32	38	14	24	8
Acidity [mg/L as CaCO3]	22-Jul-24	09:53	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	08-Jul-24	08:00	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	04-Jul-24	19:47	9	3	3	< 2	< 2
Ag [mg/L]	08-Jul-24	13:45	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	08-Jul-24	13:45	0.017	0.024	0.021	0.081	0.036
As [mg/L]	08-Jul-24	13:50	0.0018	0.139	0.0918	0.0212	0.0744
Ba [mg/L]	08-Jul-24	13:45	0.00021	0.00018	0.00018	0.00014	0.00013
Be [mg/L]	08-Jul-24	13:45	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	08-Jul-24	13:45	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	08-Jul-24	13:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	08-Jul-24	13:45	4.68	2.90	2.37	4.81	1.27
Cd [mg/L]	08-Jul-24	13:46	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	08-Jul-24	13:50	0.000132	0.000169	0.000245	0.000066	0.000210
Cr [mg/L]	08-Jul-24	13:46	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00013
Cu [mg/L]	08-Jul-24	13:46	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	08-Jul-24	13:46	< 0.007	< 0.007	< 0.007	< 0.007	0.020
K [mg/L]	08-Jul-24	13:46	0.117	0.057	0.050	0.020	0.020
Li [mg/L]	08-Jul-24	13:46	0.0040	0.0050	0.0045	0.0027	0.0032
Mg [mg/L]	08-Jul-24	13:46	0.182	0.117	0.110	0.143	0.158
Mn [mg/L]	08-Jul-24	13:46	0.00165	0.00107	0.00126	0.00471	0.00094
Mo [mg/L]	08-Jul-24	13:46	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	08-Jul-24	13:46	0.09	0.05	0.04	0.10	0.06
Ni [mg/L]	08-Jul-24	13:46	0.0005	0.0012	0.0010	0.0004	0.0006
Pb [mg/L]	08-Jul-24	13:46	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	08-Jul-24	13:50	0.0015	0.0255	0.0143	0.0022	0.0027

OnLine LIMS

0003793465

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-JUL24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#62	6: CV5-WR-HCT -5 Wk#62	7: CV5-WR-HCT-5 (DUP) Wk#62	8: CV5-WR-HCT -14 Wk#62	9: CV5-WR-HCT -22 Wk#62
Se [mg/L]	08-Jul-24	13:46	0.00009	< 0.00004	< 0.00004	0.00005	< 0.00004
Sn [mg/L]	08-Jul-24	13:46	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	08-Jul-24	13:46	0.00736	0.00357	0.00362	0.00300	0.00333
Ti [mg/L]	08-Jul-24	13:47	0.0001	< 0.0001	0.0002	0.0002	0.0007
Tl [mg/L]	08-Jul-24	13:47	< 0.000005	0.000008	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	08-Jul-24	13:47	0.000055	0.000010	0.000011	0.000017	0.000084
V [mg/L]	08-Jul-24	13:47	0.00014	0.00032	0.00031	0.00158	0.00080
W [mg/L]	08-Jul-24	13:47	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	08-Jul-24	13:47	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	08-Jul-24	13:47	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#62	11: CV5-WR-HCT -36 Wk#62	12: CV5-WR-HCT -39 Wk#62	13: CV5-WR-HCT -50 Wk#62	14: CV5-WR-HCT -56 Wk#62	15: CV5-WR-HCT -59 Wk#62	16: CV5-WR-HCT -62 Wk#62
Sample Date & Time	04-Jul-24	04-Jul-24	04-Jul-24	04-Jul-24	04-Jul-24	04-Jul-24	04-Jul-24
HumCell Leachate Vol [mL]	951	951	946	895	945	934	917
pH [No unit]	6.73	7.19	6.14	6.86	6.87	6.38	7.03
Alkalinity [mg/L as CaCO3]	4	5	< 2	4	6	< 2	7
Conductivity [uS/cm]	10	14	19	54	31	23	21
Acidity [mg/L as CaCO3]	< 2	< 2	2	17	< 2	8	< 2
Tot.Reactive P [mg/L]	< 0.03	0.13	< 0.03	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	6	11	7	6	2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.057	0.002	0.009	0.014	0.043	0.007	< 0.001
As [mg/L]	0.0043	0.810	0.0124	0.0021	0.0071	0.120	0.501
Ba [mg/L]	0.00014	0.00051	0.00019	0.00043	0.00054	0.00024	0.00037
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.81	2.08	2.72	8.58	5.23	2.59	2.61
Cd [mg/L]	< 0.000003	< 0.000003	0.000008	0.000132	< 0.000003	0.000004	< 0.000003
Co [mg/L]	0.000045	0.000273	0.000157	0.0102	0.000070	0.00369	0.000447
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.022	< 0.007
K [mg/L]	0.025	0.035	0.122	0.120	0.106	0.022	0.019
Li [mg/L]	0.0015	0.0016	0.0052	0.0076	0.0014	0.0014	0.0003
Mg [mg/L]	0.053	0.464	0.230	0.101	0.120	0.330	0.756
Mn [mg/L]	0.00479	0.00148	0.00185	0.0136	0.00497	0.00602	0.00227
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.06	0.02	0.08	0.10	0.05	0.04	< 0.01
Ni [mg/L]	< 0.0001	0.0055	0.0005	0.0086	0.0005	0.0317	0.0060
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.373	0.0072	0.0105	< 0.0009	0.0024	0.386

OnLine LIMS

0003793465

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-JUL24**

Analysis	10: CV5-WR-HCT -33 Wk#62	11: CV5-WR-HCT -36 Wk#62	12: CV5-WR-HCT -39 Wk#62	13: CV5-WR-HCT -50 Wk#62	14: CV5-WR-HCT -56 Wk#62	15: CV5-WR-HCT -59 Wk#62	16: CV5-WR-HCT -62 Wk#62
Se [mg/L]	0.00005	< 0.00004	0.00005	0.00067	< 0.00004	0.00008	0.00006
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00163	0.00196	0.00603	0.00456	0.00408	0.00900	0.00127
Ti [mg/L]	0.0002	< 0.0001	< 0.0001	< 0.0001	0.0001	0.0003	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000028	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000008	0.000017	0.000164	0.00151	0.000231	0.000005	0.000036
V [mg/L]	0.00045	0.00012	0.00018	< 0.00001	0.00019	0.00011	0.00009
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.043	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#62	18: CV5-WR-HCT -69 Wk#62	19: CV5-ORE-HCT-74 Wk#62	20: CV5-ORE-HCT-76 Wk#62
Sample Date & Time	04-Jul-24	04-Jul-24	04-Jul-24	04-Jul-24
HumCell Leachate Vol [mL]	990	987	964	923
pH [No unit]	6.65	7.46	6.32	7.17
Alkalinity [mg/L as CaCO3]	3	5	< 2	4
Conductivity [uS/cm]	9	11	3	9
Acidity [mg/L as CaCO3]	< 2	5	3	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.023	0.043	0.034	0.196
As [mg/L]	0.0035	0.0019	0.0056	0.0016
Ba [mg/L]	< 0.00008	0.00010	< 0.00008	0.00047
Be [mg/L]	0.000011	0.000121	0.000010	0.000411
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00011	< 0.00001	0.00021
Ca [mg/L]	1.33	1.80	0.36	1.54
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000006
Co [mg/L]	0.000011	0.000007	0.000011	0.000051
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.014
K [mg/L]	0.123	0.040	0.072	0.218
Li [mg/L]	0.0011	0.0009	0.0049	0.0061
Mg [mg/L]	0.027	0.017	0.007	0.065
Mn [mg/L]	0.00565	0.00227	0.0419	0.00177
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.08	0.07	0.10
Ni [mg/L]	0.0002	0.0001	0.0003	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00009
Sb [mg/L]	0.0009	0.0010	0.0048	< 0.0009

OnLine LIMS

0003793465

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-JUL24**

Analysis	17: CV5-WR-HCT-64 Wk#62	18: CV5-WR-HCT-69 Wk#62	19: CV5-ORE-HCT-74 Wk#62	20: CV5-ORE-HCT-76 Wk#62
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00037
Sr [mg/L]	0.00148	0.00275	0.00069	0.00290
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000028	< 0.000005	0.000041	0.000066
U [mg/L]	0.000285	0.00216	0.000371	0.000459
V [mg/L]	< 0.00001	0.00002	< 0.00001	0.00001
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003793465

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

24-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 06 June 2024
LR Report: **CA10033-JUN24**
Reference: Wk#58

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#58	6: CV5-DMS-HCT-84 Wk#58
Sample Date & Time			06-Jun-24	06-Jun-24
HumCell Leachate Vol [mL]	19-Jun-24	10:36	990	993
pH [No unit]	12-Jun-24	11:25	5.91	5.66
Alkalinity [mg/L as CaCO3]	07-Jun-24	10:58	< 2	< 2
Conductivity [uS/cm]	12-Jun-24	11:26	3	2
Acidity [mg/L as CaCO3]	07-Jun-24	10:58	2	3
Tot.Reactive P [mg/L]	10-Jun-24	08:19	< 0.03	< 0.03
SO4 [mg/L]	13-Jun-24	19:49	< 2	< 2
Ag [mg/L]	20-Jun-24	14:35	< 0.00005	< 0.00005
Al [mg/L]	20-Jun-24	14:35	0.008	0.008
As [mg/L]	20-Jun-24	14:35	0.0027	0.0020
Ba [mg/L]	20-Jun-24	14:35	< 0.00008	< 0.00008
Be [mg/L]	20-Jun-24	14:35	< 0.000007	0.000008
B [mg/L]	20-Jun-24	14:35	< 0.002	< 0.002
Bi [mg/L]	20-Jun-24	14:35	0.00002	0.00003
Ca [mg/L]	20-Jun-24	14:35	0.32	0.34
Cd [mg/L]	20-Jun-24	14:35	< 0.000003	< 0.000003
Co [mg/L]	20-Jun-24	14:35	0.000011	0.000009
Cr [mg/L]	20-Jun-24	14:35	0.00013	0.00012
Cu [mg/L]	20-Jun-24	14:35	< 0.001	< 0.001
Fe [mg/L]	20-Jun-24	14:35	< 0.007	< 0.007
K [mg/L]	20-Jun-24	14:35	0.049	0.046
Li [mg/L]	20-Jun-24	14:35	0.0004	0.0004
Mg [mg/L]	20-Jun-24	14:35	0.011	0.011
Mn [mg/L]	20-Jun-24	14:35	0.00123	0.00188
Mo [mg/L]	20-Jun-24	14:35	0.0007	< 0.0004
Na [mg/L]	20-Jun-24	14:35	0.01	0.01
Ni [mg/L]	20-Jun-24	14:35	0.0001	0.0001
Pb [mg/L]	20-Jun-24	14:35	< 0.00009	< 0.00009
Sb [mg/L]	20-Jun-24	14:35	0.0012	0.0011
Se [mg/L]	20-Jun-24	14:35	< 0.00004	< 0.00004
Sn [mg/L]	20-Jun-24	14:35	< 0.00006	< 0.00006
Sr [mg/L]	20-Jun-24	14:35	0.00065	0.00067
Ti [mg/L]	20-Jun-24	14:35	< 0.0001	< 0.0001
Tl [mg/L]	20-Jun-24	14:35	< 0.000005	0.000005
U [mg/L]	20-Jun-24	14:35	0.000477	0.000642

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00037575B8

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#58	6: CV5-DMS-HCT-84 Wk#58
V [mg/L]	20-Jun-24	14:35	0.00003	0.00001
W [mg/L]	20-Jun-24	14:35	< 0.0002	< 0.0002
Y [mg/L]	20-Jun-24	14:35	< 0.00002	< 0.00002
Zn [mg/L]	20-Jun-24	14:35	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00037575B8

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-November-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 November 2024
LR Report: **CA10033-NOV24**
Reference: Wk#80

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#80	6: CV5-WR-HCT -5 Wk#80	7: CV5-WR-HCT- 5 (DUP) Wk#80	8: CV5-WR-HCT -14 Wk#80	9: CV5-WR-HCT -22 Wk#80
Sample Date & Time			07-Nov-24	07-Nov-24	07-Nov-24	07-Nov-24	07-Nov-24
HumCell Leachate Vol [mL]	11-Nov-24	16:33	953	967	960	1004	997
pH [No unit]	15-Nov-24	09:18	6.33	6.70	6.56	7.48	7.05
Alkalinity [mg/L as CaCO3]	12-Nov-24	10:01	< 2	3	2	11	2
Conductivity [uS/cm]	08-Nov-24	13:26	31	19	12	24	9
Acidity [mg/L as CaCO3]	13-Nov-24	13:07	2	< 2	< 2	< 2	< 2
F [mg/L]	08-Nov-24	09:16	< 0.06	0.09	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	11-Nov-24	09:54	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	08-Nov-24	18:31	11	4	2	< 2	< 2
Cl [mg/L]	08-Nov-24	18:31	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	11-Nov-24	16:54	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	11-Nov-24	16:54	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	11-Nov-24	16:54	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	15-Nov-24	12:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	15-Nov-24	12:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	15-Nov-24	12:17	0.013	0.019	0.016	0.084	0.015
As [mg/L]	15-Nov-24	12:19	0.0010	0.0848	0.0590	0.0202	0.0617
Ba [mg/L]	15-Nov-24	12:17	0.00018	0.00013	< 0.00008	0.00011	< 0.00008
Be [mg/L]	15-Nov-24	12:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	15-Nov-24	12:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	15-Nov-24	12:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	15-Nov-24	12:17	4.98	3.08	2.03	4.69	1.54
Cd [mg/L]	15-Nov-24	12:17	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	15-Nov-24	12:19	0.000140	0.000217	0.000154	0.000043	0.000083
Cr [mg/L]	15-Nov-24	12:17	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	15-Nov-24	12:17	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	15-Nov-24	12:17	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	15-Nov-24	12:17	0.087	0.039	0.034	0.020	0.019
Li [mg/L]	15-Nov-24	12:17	0.0033	0.0043	0.0034	0.0027	0.0033
Mg [mg/L]	15-Nov-24	12:19	0.150	0.101	0.073	0.121	0.153

OnLine LIMS

0003944795

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-NOV24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#80	6: CV5-WR-HCT -5 Wk#80	7: CV5-WR-HCT-5 (DUP) Wk#80	8: CV5-WR-HCT -14 Wk#80	9: CV5-WR-HCT -22 Wk#80
Mn [mg/L]	15-Nov-24	12:17	0.00165	0.00120	0.00102	0.00470	0.00030
Mo [mg/L]	15-Nov-24	12:17	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	15-Nov-24	12:19	0.09	0.08	0.04	0.10	0.06
Ni [mg/L]	15-Nov-24	12:19	0.0004	0.0011	0.0005	0.0001	0.0003
Pb [mg/L]	15-Nov-24	12:17	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	18-Nov-24	14:47	0.0010	0.0206	0.0094	0.0018	0.0026
Se [mg/L]	15-Nov-24	12:16	0.00009	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	15-Nov-24	12:16	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	15-Nov-24	12:16	0.00662	0.00310	0.00250	0.00286	0.00386
Ti [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	15-Nov-24	12:16	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	15-Nov-24	12:16	0.000031	0.000009	0.000014	0.000047	0.000119
V [mg/L]	15-Nov-24	12:16	0.00012	0.00027	0.00023	0.00160	0.00076
W [mg/L]	15-Nov-24	12:16	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	15-Nov-24	12:16	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	15-Nov-24	12:16	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	15-Nov-24	12:16	0.0043	0.0043	0.0044	0.0009	0.0024
Dy (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	15-Nov-24	12:16	0.0020	0.0014	0.0014	0.0002	0.0007
Re (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0003944795

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-NOV24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#80	6: CV5-WR-HCT -5 Wk#80	7: CV5-WR-HCT-5 (DUP) Wk#80	8: CV5-WR-HCT -14 Wk#80	9: CV5-WR-HCT -22 Wk#80
Th (tot) [mg/L]	15-Nov-24	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	15-Nov-24	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#80	11: CV5-WR-HCT -36 Wk#80	12: CV5-WR-HCT -39 Wk#80	13: CV5-WR-HCT-50 Wk#80	14: CV5-WR-HCT -56 Wk#80	15: CV5-WR-HCT -59 Wk#80	16: CV5-WR-HCT -62 Wk#80
Sample Date & Time	07-Nov-24	07-Nov-24	07-Nov-24	07-Nov-24	07-Nov-24	07-Nov-24	07-Nov-24
HumCell Leachate Vol [mL]	1018	1010	950	1015	1014	1007	941
pH [No unit]	7.10	6.93	5.67	6.58	7.00	5.69	7.09
Alkalinity [mg/L as CaCO3]	5	5	< 2	2	5	< 2	3
Conductivity [uS/cm]	14	15	18	44	28	13	16
Acidity [mg/L as CaCO3]	< 2	< 2	3	8	< 2	7	< 2
F [mg/L]	< 0.06	< 0.06	0.27	0.80	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.23	< 0.03	< 0.03	< 0.03	< 0.03	0.07
SO4 [mg/L]	< 2	< 2	5	11	6	3	< 2
Cl [mg/L]	< 1	< 1	< 1	3	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.048	< 0.001	0.005	0.021	0.030	0.001	< 0.001
As [mg/L]	0.0030	0.873	0.0072	0.0008	0.0047	0.0652	0.333
Ba [mg/L]	0.00014	0.00037	0.00016	0.00038	0.00035	0.00012	0.00021
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000042	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.80	2.33	2.45	7.30	4.79	1.68	1.98
Cd [mg/L]	< 0.000003	< 0.000003	0.000012	0.000321	0.000006	< 0.000003	< 0.000003
Co [mg/L]	0.000058	0.000481	0.000289	0.0242	0.000080	0.00320	0.000405
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.132	< 0.007	< 0.007	< 0.007
K [mg/L]	0.025	0.031	0.090	0.107	0.088	0.017	0.009
Li [mg/L]	0.0017	0.0015	0.0048	0.0107	0.0014	0.0011	0.0002
Mg [mg/L]	0.054	0.510	0.201	0.137	0.102	0.218	0.612
Mn [mg/L]	0.00848	0.00157	0.00307	0.0242	0.00557	0.00512	0.00224
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.08	0.03	0.08	0.11	0.07	0.05	0.02
Ni [mg/L]	< 0.0001	0.0068	0.0008	0.0336	0.0009	0.0441	0.0047
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.268	0.0047	0.0071	< 0.0009	0.0022	0.220
Se [mg/L]	0.00004	< 0.00004	< 0.00004	0.00065	< 0.00004	0.00004	< 0.00004

OnLine LMS

0003944795

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-NOV24**

Analysis	10: CV5-WR-HCT -33 Wk#80	11: CV5-WR-HCT -36 Wk#80	12: CV5-WR-HCT -39 Wk#80	13: CV5-WR-HCT-50 Wk#80	14: CV5-WR-HCT -56 Wk#80	15: CV5-WR-HCT -59 Wk#80	16: CV5-WR-HCT -62 Wk#80
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00228	0.00173	0.00492	0.00374	0.00339	0.00555	0.00090
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000029	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000010	0.000015	0.000058	0.000446	0.000289	0.000002	0.000017
V [mg/L]	0.00042	0.00013	0.00013	0.00001	0.00016	0.00008	0.00007
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.123	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0016	0.0071	0.0013	0.0364	0.0136	0.0058	0.0012
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0013	0.0011	0.0063	0.0005	0.0012	0.0005
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0003944795

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-NOV24**

Analysis	17: CV5-WR-HCT-64 Wk#80	18: CV5-WR-HCT-69 Wk#80	19: CV5-ORE-HCT-74 Wk#80	20: CV5-ORE-HCT-76 Wk#80
Sample Date & Time	07-Nov-24	07-Nov-24	07-Nov-24	07-Nov-24
HumCell Leachate Vol [mL]	1013	1011	985	990
pH [No unit]	6.45	6.59	5.84	6.84
Alkalinity [mg/L as CaCO3]	< 2	3	< 2	3
Conductivity [uS/cm]	4	10	2	10
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.014	0.055	0.011	0.021
As [mg/L]	0.0030	0.0020	0.0049	0.0011
Ba [mg/L]	< 0.00008	0.00009	< 0.00008	0.00013
Be [mg/L]	< 0.000007	0.000047	< 0.000007	0.000024
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00023	< 0.00001	0.00006
Ca [mg/L]	0.98	1.97	0.33	1.88
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000010	0.000008	< 0.000004	0.000007
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.113	0.045	0.065	0.126
Li [mg/L]	0.0009	0.0008	0.0060	0.0048
Mg [mg/L]	0.022	0.019	0.007	0.054
Mn [mg/L]	0.00641	0.00242	0.0503	0.00215
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.08	0.08	0.07
Ni [mg/L]	0.0002	0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0009	0.0045	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	0.00016	< 0.00006
Sr [mg/L]	0.00111	0.00273	0.00064	0.00379
Ti [mg/L]	< 0.0001	< 0.0001	0.00011	< 0.0001
Tl [mg/L]	0.000024	< 0.000005	0.000020	0.000006
U [mg/L]	0.000107	0.00164	0.000200	0.000474
V [mg/L]	0.00002	0.00005	0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

0003944795

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10033-NOV24**

Analysis	17: CV5-WR-HCT-64 Wk#80	18: CV5-WR-HCT-69 Wk#80	19: CV5-ORE-HCT-74 Wk#80	20: CV5-ORE-HCT-76 Wk#80
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0051	0.0012	0.0089	0.0029
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0107	0.0023	0.0089	0.0047
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003944795

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

15-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 July 2024
LR Report: **CA10076-JUL24**
Reference: Wk#63

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#63	6: CV5-WR-HCT-5 Wk#63	7: CV5-WR-HCT-5 (DUP) Wk#63	8: CV5-WR-HCT-1 4 Wk#63	9: CV5-WR-HCT-2 2 Wk#63	10: CV5-WR-HCT-3 3 Wk#63
Sample Date & Time			11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24
HumCell Leachate Vol [mL]	11-Jul-24	16:47	927	911	938	959	933	969
pH [No unit]	15-Jul-24	10:21	6.83	7.05	6.93	7.32	7.02	6.96
Conductivity [uS/cm]	12-Jul-24	13:06	35	19	15	24	9	11

Analysis	11: CV5-WR-HCT-3 6 Wk#63	12: CV5-WR-HCT-3 9 Wk#63	13: CV5-WR-HCT-5 0 Wk#63	14: CV5-WR-HCT-5 6 Wk#63	15: CV5-WR-HCT-5 9 Wk#63	16: CV5-WR-HCT-6 2 Wk#63	17: CV5-WR-HCT-6 4 Wk#63	18: CV5-WR-HCT-6 9 Wk#63
Sample Date & Time	11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24	11-Jul-24
HumCell Leachate Vol [mL]	969	951	983	935	934	917	942	959
pH [No unit]	7.04	6.43	7.09	6.99	6.34	7.11	6.62	7.40
Conductivity [uS/cm]	16	19	54	29	20	21	5	9

Analysis	19: CV5-ORE-HCT- 74 Wk#63	20: CV5-ORE-HCT- 76 Wk#63
Sample Date & Time	11-Jul-24	11-Jul-24
HumCell Leachate Vol [mL]	964	944
pH [No unit]	6.38	7.41
Conductivity [uS/cm]	3	10



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003783532

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-September-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 15 August 2024
LR Report: **CA10077-AUG24**
Reference: Wk#68

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#68	6: CV5-WR-HCT-5 Wk#68	7: CV5-WR-HCT-5 (DUP) Wk#68	8: CV5-WR-HCT-1 4 Wk#68	9: CV5-WR-HCT-2 2 Wk#68
Sample Date & Time			15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24
HumCell Leachate Vol [mL]	16-Aug-24	13:53	940	937	940	1015	972
pH [No unit]	20-Aug-24	09:18	6.55	6.76	6.70	7.50	6.70
Alkalinity [mg/L as CaCO3]	16-Aug-24	11:15	2	4	3	13	3
Conductivity [uS/cm]	20-Aug-24	09:18	26	17	12	29	7
Acidity [mg/L as CaCO3]	20-Aug-24	11:26	< 2	< 2	< 2	< 2	< 2
F [mg/L]	16-Aug-24	09:15	< 0.06	0.10	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	19-Aug-24	08:42	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	16-Aug-24	16:09	8	3	3	< 2	< 2
Cl [mg/L]	16-Aug-24	16:09	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	16-Aug-24	15:14	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	16-Aug-24	15:14	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	16-Aug-24	15:14	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	19-Aug-24	08:40	0.00001	< 0.00001	0.00001	0.00001	0.00002
Ag [mg/L]	19-Aug-24	08:40	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Aug-24	08:40	0.016	0.025	0.021	0.081	0.026
As [mg/L]	19-Aug-24	08:40	0.0016	0.121	0.0808	0.0214	0.0735
Ba [mg/L]	19-Aug-24	08:40	0.00021	0.00013	0.00017	0.00010	< 0.00008
Be [mg/L]	19-Aug-24	08:40	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	19-Aug-24	08:40	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	19-Aug-24	08:40	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	19-Aug-24	08:40	4.49	3.20	2.18	5.04	1.11
Cd [mg/L]	19-Aug-24	08:40	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	19-Aug-24	08:40	0.000123	0.000167	0.000446	0.000048	0.000152
Cr [mg/L]	19-Aug-24	08:40	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00013
Cu [mg/L]	19-Aug-24	08:40	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	19-Aug-24	08:40	< 0.007	< 0.007	< 0.007	< 0.007	0.013
K [mg/L]	19-Aug-24	08:40	0.120	0.064	0.052	0.029	0.021
Li [mg/L]	19-Aug-24	08:40	0.0037	0.0046	0.0036	0.0030	0.0028
Mg [mg/L]	19-Aug-24	08:40	0.164	0.118	0.095	0.140	0.157
Mn [mg/L]	19-Aug-24	08:40	0.00175	0.00099	0.00102	0.00499	0.00047

OnLine LMS

0003849912

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10077-AUG24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#68	6: CV5-WR-HCT-5 Wk#68	7: CV5-WR-HCT-5 (DUP) Wk#68	8: CV5-WR-HCT-14 Wk#68	9: CV5-WR-HCT-22 Wk#68
Mo [mg/L]	19-Aug-24	08:40	< 0.0004	0.0005	< 0.0004	< 0.0004	0.0004
Mo [mg/L]	28-Aug-24	16:04	---	---	---	---	---
Na [mg/L]	19-Aug-24	08:40	0.10	0.06	0.05	0.11	0.07
Ni [mg/L]	19-Aug-24	08:40	0.0005	0.0010	0.0010	0.0002	0.0004
Pb [mg/L]	19-Aug-24	08:40	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	19-Aug-24	08:40	0.0014	0.0234	0.0123	0.0024	0.0030
Se [mg/L]	19-Aug-24	08:40	0.00011	< 0.00004	< 0.00004	0.00006	< 0.00004
Sn [mg/L]	19-Aug-24	08:40	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	19-Aug-24	08:40	0.00662	0.00345	0.00308	0.00306	0.00281
Ti [mg/L]	19-Aug-24	08:40	< 0.0001	0.0001	< 0.0001	0.0002	0.0005
Tl [mg/L]	19-Aug-24	08:39	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	19-Aug-24	08:39	0.000042	0.000011	0.000011	0.000021	0.000082
V [mg/L]	19-Aug-24	08:39	0.00016	0.00037	0.00028	0.00168	0.00081
W [mg/L]	19-Aug-24	08:39	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	19-Aug-24	08:39	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	23-Aug-24	09:06	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Cs (tot) [mg/L]	19-Aug-24	08:39	0.0057	0.0075	0.0074	0.0014	0.0028
Dy (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	23-Aug-24	09:06	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	19-Aug-24	08:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	19-Aug-24	08:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	23-Aug-24	09:06	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	19-Aug-24	08:39	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Os (tot) [mg/L]	23-Aug-24	09:06	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	23-Aug-24	09:06	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	23-Aug-24	09:06	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	19-Aug-24	08:39	0.0032	0.0027	0.0025	0.0006	0.0009
Re (tot) [mg/L]	23-Aug-24	09:06	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	23-Aug-24	09:06	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	19-Aug-24	08:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	19-Aug-24	08:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	19-Aug-24	08:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0003849912

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10077-AUG24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#68	6: CV5-WR-HCT-5 Wk#68	7: CV5-WR-HCT-5 (DUP) Wk#68	8: CV5-WR-HCT-1 4 Wk#68	9: CV5-WR-HCT-2 2 Wk#68
Yb (tot) [mg/L]	23-Aug-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-3 3 Wk#68	11: CV5-WR-HCT-3 6 Wk#68	12: CV5-WR-HCT-3 9 Wk#68	13: CV5-WR-HCT- 50 Wk#68	14: CV5-WR-HCT-5 6 Wk#68	15: CV5-WR-HCT-5 9 Wk#68	16: CV5-WR-HCT-6 2 Wk#68
Sample Date & Time	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24
HumCell Leachate Vol [mL]	995	976	951	1002	982	1004	936
pH [No unit]	6.85	6.98	6.35	6.30	7.15	6.19	7.10
Alkalinity [mg/L as CaCO3]	6	5	< 2	2	9	< 2	6
Conductivity [uS/cm]	11	13	16	38	25	17	14
Acidity [mg/L as CaCO3]	< 2	< 2	2	14	< 2	5	< 2
F [mg/L]	< 0.06	< 0.06	0.20	0.44	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.14	< 0.03	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	6	12	6	4	< 2
Cl [mg/L]	< 1	< 1	< 1	4	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.050	0.002	0.012	0.029	0.037	0.005	0.002
As [mg/L]	0.0034	0.775	0.0100	0.0014	0.0062	0.109	0.389
Ba [mg/L]	0.00011	0.00096	0.00019	0.00038	0.00027	0.00017	0.00025
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000029	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.07	1.92	3.04	7.40	4.75	1.70	2.28
Cd [mg/L]	< 0.000003	< 0.000003	0.000006	0.000406	< 0.000003	0.000017	0.000006
Co [mg/L]	0.000041	0.000272	0.000201	0.0285	0.000051	0.00384	0.000388
Cr [mg/L]	< 0.00008	0.00017	0.00009	0.00008	< 0.00008	0.00011	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.028	< 0.007	0.015	< 0.007
K [mg/L]	0.032	0.044	0.130	0.106	0.103	0.024	0.019
Li [mg/L]	0.0016	0.0014	0.0050	0.0068	0.0014	0.0011	0.0002
Mg [mg/L]	0.058	0.481	0.245	0.123	0.113	0.272	0.635
Mn [mg/L]	0.00459	0.00134	0.00231	0.0251	0.00535	0.00607	0.00228
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	---	< 0.0004
Mo [mg/L]	---	---	---	---	---	0.0006	---
Na [mg/L]	0.08	0.02	0.09	0.10	0.06	0.04	0.02
Ni [mg/L]	< 0.0001	0.0047	0.0005	0.0294	0.0003	0.0348	0.0053
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00063	0.00018
Sb [mg/L]	< 0.0009	0.305	0.0061	0.0050	< 0.0009	0.0027	0.277
Se [mg/L]	0.00004	0.00004	0.00009	0.00056	< 0.00004	0.00006	0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00186	0.00225	0.00621	0.00420	0.00317	0.00593	0.00101
Ti [mg/L]	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001

SGS LMS OnLine

0003849912

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10077-AUG24**

Analysis	10: CV5-WR-HCT-3 3 Wk#68	11: CV5-WR-HCT-3 6 Wk#68	12: CV5-WR-HCT-3 9 Wk#68	13: CV5-WR-HCT- 50 Wk#68	14: CV5-WR-HCT-5 6 Wk#68	15: CV5-WR-HCT-5 9 Wk#68	16: CV5-WR-HCT-6 2 Wk#68
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000035	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000011	0.000020	0.000128	0.000880	0.000206	0.000004	0.000046
V [mg/L]	0.00042	0.00015	0.00020	0.00001	0.00023	0.00013	0.00009
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.170	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00017	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0019	0.0109	0.0018	0.0317	0.0160	0.0074	0.0023
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	0.00001	0.00013	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0004	0.0020	0.0017	0.0063	0.0007	0.0017	0.0011
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	17: CV5-WR-HCT-6 4 Wk#68	18: CV5-WR-HCT- 69 Wk#68	19: CV5-ORE-HCT -74 Wk#68	20: CV5-ORE-HCT -76 Wk#68
Sample Date & Time	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24
HumCell Leachate Vol [mL]	1008	1015	999	973
pH [No unit]	6.71	6.97	6.36	7.02
Alkalinity [mg/L as CaCO3]	3	5	< 2	5

SGS LMS OnLine

0003849912

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10077-AUG24**

Analysis	17: CV5-WR-HCT-64 Wk#68	18: CV5-WR-HCT-69 Wk#68	19: CV5-ORE-HCT-74 Wk#68	20: CV5-ORE-HCT-76 Wk#68
Conductivity [uS/cm]	6	14	5	7
Acidity [mg/L as CaCO3]	< 2	< 2	2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	0.00001	0.00001	0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.021	0.051	0.018	0.033
As [mg/L]	0.0038	0.0025	0.0061	0.0023
Ba [mg/L]	< 0.00008	0.00010	< 0.00008	0.00027
Be [mg/L]	< 0.000007	0.000077	< 0.000007	0.000109
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00025	< 0.00001	0.00008
Ca [mg/L]	1.24	2.01	0.44	1.89
Cd [mg/L]	< 0.000003	0.000003	0.000004	< 0.000003
Co [mg/L]	0.000008	0.000019	0.000022	0.000024
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.117	0.049	0.074	0.171
Li [mg/L]	0.0008	0.0008	0.0046	0.0048
Mg [mg/L]	0.026	0.017	0.008	0.064
Mn [mg/L]	0.00560	0.00207	0.0483	0.00064
Mo [mg/L]	---	---	< 0.0004	< 0.0004
Mo [mg/L]	< 0.0004	< 0.0004	---	---
Na [mg/L]	0.05	0.10	0.08	0.08
Ni [mg/L]	0.0001	0.0002	0.0003	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0012	0.0011	0.0063	0.0012
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00134	0.00293	0.00074	0.00369
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000029	0.000005	0.000032	0.000017
U [mg/L]	0.000246	0.00235	0.000395	0.000590
V [mg/L]	0.00002	0.00005	0.00002	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0057	0.0015	0.0095	0.0040
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0003849912

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10077-AUG24**

Analysis	17: CV5-WR-HCT-64 Wk#68	18: CV5-WR-HCT-69 Wk#68	19: CV5-ORE-HCT-74 Wk#68	20: CV5-ORE-HCT-76 Wk#68
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00002	0.00002	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0118	0.0030	0.0108	0.0069
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-December-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 12 December 2024
LR Report: **CA10082-DEC24**
Reference: Wk#85

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	HumCell Leachate Vol mL	pH No unit	Conductivity uS/cm
3: Analysis Completed Date		13-Dec-24	16-Dec-24	16-Dec-24
4: Analysis Completed Time		10:30	14:39	14:39
5: CV5-WR-HCT-2 Wk#85	12-Dec-24	915	6.67	37
6: CV5-WR-HCT-5 Wk#85	12-Dec-24	913	6.97	22
7: CV5-WR-HCT-5 (DUP) Wk#85	12-Dec-24	934	6.90	15
8: CV5-WR-HCT-14 Wk#85	12-Dec-24	993	7.68	27
9: CV5-WR-HCT-22 Wk#85	12-Dec-24	928	6.69	8
10: CV5-WR-HCT-33 Wk#85	12-Dec-24	1012	7.11	11
11: CV5-WR-HCT-36 Wk#85	12-Dec-24	1019	7.23	17
12: CV5-WR-HCT-39 Wk#85	12-Dec-24	958	6.59	18
13: CV5-WR-HCT-50 Wk#85	12-Dec-24	1015	6.77	49
14: CV5-WR-HCT-56 Wk#85	12-Dec-24	959	7.07	31
15: CV5-WR-HCT-59 Wk#85	12-Dec-24	939	5.83	22
16: CV5-WR-HCT-62 Wk#85	12-Dec-24	910	6.81	18
17: CV5-WR-HCT-64 Wk#85	12-Dec-24	992	7.16	6
18: CV5-WR-HCT-69 Wk#85	12-Dec-24	977	7.05	10
19: CV5-ORE-HCT-74 Wk#85	12-Dec-24	1012	6.67	3
20: CV5-ORE-HCT-76 Wk#85	12-Dec-24	999	7.07	10

Chris Sullivan

CHARTERED
Christopher Sullivan
CHEMIST

Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003973397

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-November-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 14 November 2024
LR Report: **CA10082-NOV24**
Reference: Wk#81

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#81	6: CV5-WR-HCT-5 Wk#81	7: CV5-WR-HCT-5 (DUP) Wk#81	8: CV5-WR-HCT-14 Wk#81	9: CV5-WR-HCT-22 Wk#81	10: CV5-WR-HCT-33 Wk#81	11: CV5-WR-HCT-36 Wk#81
Sample Date & Time			14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24
HumCell Leachate Vol [mL]	18-Nov-24	16:33	936	975	971	991	988	995	1001
pH [No unit]	21-Nov-24	10:37	6.72	7.00	7.06	7.18	7.06	7.05	7.00
Conductivity [uS/cm]	21-Nov-24	10:40	37	21	15	24	9	14	28

Analysis	12: CV5-WR-HCT-39 Wk#81	13: CV5-WR-HCT-50 Wk#81	14: CV5-WR-HCT-56 Wk#81	15: CV5-WR-HCT-59 Wk#81	16: CV5-WR-HCT-62 Wk#81	17: CV5-WR-HCT-64 Wk#81	18: CV5-WR-HCT-69 Wk#81	19: CV5-ORE-HCT-74 Wk#81	20: CV5-ORE-HCT-76 Wk#81
Sample Date & Time	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24
HumCell Leachate Vol [mL]	954	1003	1007	1005	927	1005	1013	1013	1009
pH [No unit]	6.45	6.77	7.39	5.65	7.33	6.95	7.10	6.50	7.12
Conductivity [uS/cm]	22	47	31	14	28	6	11	3	13



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003944826

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

25-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,, Montreal
Canada, H3A 1Z4
Phone: 647-782-7386, Fax:

Date Rec. : 13 June 2024
LR Report: **CA10083-JUN24**
Reference: Wk#59

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#59	6: CV5-DMS-HCT-84 Wk#59
Sample Date & Time			13-Jun-24	13-Jun-24
HumCell Leachate Vol [mL]	13-Jun-24	13:07	1004	999
pH [No unit]	18-Jun-24	10:43	6.18	6.21
Alkalinity [mg/L as CaCO3]	18-Jun-24	10:43	< 2	< 2
Conductivity [uS/cm]	18-Jun-24	10:43	< 2	< 2
Acidity [mg/L as CaCO3]	20-Jun-24	11:02	2	2
Tot.Reactive P [mg/L]	14-Jun-24	08:15	< 0.03	< 0.03
SO4 [mg/L]	17-Jun-24	19:06	< 2	< 2
Ag [mg/L]	20-Jun-24	08:29	< 0.00005	< 0.00005
Al [mg/L]	20-Jun-24	08:29	0.009	0.009
As [mg/L]	20-Jun-24	08:29	0.0028	0.0022
Ba [mg/L]	20-Jun-24	08:29	< 0.00008	0.00009
Be [mg/L]	20-Jun-24	08:29	0.000007	0.000008
B [mg/L]	20-Jun-24	08:29	< 0.002	< 0.002
Bi [mg/L]	20-Jun-24	08:29	0.00003	0.00004
Ca [mg/L]	20-Jun-24	08:29	0.30	0.33
Cd [mg/L]	20-Jun-24	08:29	< 0.000003	< 0.000003
Co [mg/L]	20-Jun-24	08:29	0.000009	0.000007
Cr [mg/L]	20-Jun-24	08:29	< 0.00008	< 0.00008
Cu [mg/L]	20-Jun-24	08:29	< 0.001	< 0.001
Fe [mg/L]	20-Jun-24	08:29	< 0.007	< 0.007
K [mg/L]	20-Jun-24	08:29	0.038	0.038
Li [mg/L]	20-Jun-24	08:29	0.0004	0.0004
Mg [mg/L]	20-Jun-24	08:29	0.012	0.016
Mn [mg/L]	20-Jun-24	08:29	0.00127	0.00181
Mo [mg/L]	20-Jun-24	08:29	< 0.0004	0.0031
Na [mg/L]	20-Jun-24	08:29	0.02	0.02
Ni [mg/L]	20-Jun-24	08:29	0.0002	0.0001
Pb [mg/L]	20-Jun-24	08:29	< 0.00009	< 0.00009
Sb [mg/L]	20-Jun-24	08:29	0.0012	0.0011
Se [mg/L]	20-Jun-24	08:29	< 0.00004	< 0.00004
Sn [mg/L]	20-Jun-24	08:29	< 0.00006	< 0.00006
Sr [mg/L]	20-Jun-24	08:29	0.00137	0.00077
Ti [mg/L]	20-Jun-24	08:29	< 0.0001	< 0.0001
Tl [mg/L]	20-Jun-24	08:29	0.000008	0.000007
U [mg/L]	20-Jun-24	08:29	0.000501	0.000628

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10083-JUN24

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#59	6: CV5-DMS-HCT-84 Wk#59
V [mg/L]	20-Jun-24	08:29	0.00002	< 0.00001
W [mg/L]	20-Jun-24	08:29	< 0.0002	< 0.0002
Y [mg/L]	20-Jun-24	08:29	< 0.00002	< 0.00002
Zn [mg/L]	20-Jun-24	08:29	< 0.002	< 0.002

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003759347

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 13 June 2024
LR Report: **CA10084-JUN24**
Reference: Wk#59

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#59	6: CV5-WR-HCT-5 Wk#59	7: CV5-WR-HCT-5 (DUP) Wk#59	8: CV5-WR-HCT-14 Wk#59	9: CV5-WR-HCT-22 Wk#59	10: CV5-WR-HCT-33 Wk#59
Sample Date & Time			13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24
HumCell Leachate Vol [mL]	13-Jun-24	13:08	944	951	968	1001	995	983
pH [No unit]	18-Jun-24	11:09	6.65	7.05	6.78	7.58	7.00	7.25
Alkalinity [mg/L as CaCO3]	18-Jun-24	10:46	2	4	3	12	3	5
Conductivity [uS/cm]	18-Jun-24	10:46	32	17	13	24	10	10
Acidity [mg/L as CaCO3]	18-Jun-24	10:47	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	14-Jun-24	08:16	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	21-Jun-24	13:47	12	4	3	2	< 2	< 2
Ag [mg/L]	20-Jun-24	08:28	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	20-Jun-24	08:28	0.020	0.021	0.021	0.082	0.017	0.055
As [mg/L]	20-Jun-24	08:28	0.0019	0.149	0.0956	0.0238	0.0917	0.0038
Ba [mg/L]	20-Jun-24	08:28	0.00021	0.00020	0.00015	0.00012	0.00009	0.00016
Be [mg/L]	20-Jun-24	08:28	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	20-Jun-24	08:28	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	20-Jun-24	08:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	20-Jun-24	08:28	5.46	3.18	2.40	4.93	1.81	2.14
Cd [mg/L]	20-Jun-24	08:28	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	20-Jun-24	08:28	0.000114	0.000201	0.000159	0.000065	0.000490	0.000062
Cr [mg/L]	20-Jun-24	08:28	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	20-Jun-24	08:28	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	20-Jun-24	08:28	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	20-Jun-24	08:28	0.132	0.061	0.053	0.022	0.027	0.027
Li [mg/L]	20-Jun-24	08:28	0.0043	0.0052	0.0045	0.0029	0.0042	0.0016
Mg [mg/L]	20-Jun-24	08:28	0.215	0.127	0.114	0.155	0.211	0.059
Mn [mg/L]	20-Jun-24	08:28	0.00131	0.00095	0.00101	0.00509	0.00069	0.00677
Mo [mg/L]	20-Jun-24	08:28	0.0007	0.0007	< 0.0004	< 0.0004	0.0004	< 0.0004
Na [mg/L]	20-Jun-24	08:28	0.09	0.05	0.06	0.11	0.08	0.06
Ni [mg/L]	20-Jun-24	08:28	0.0005	0.0014	0.0009	0.0003	0.0009	0.0002
Pb [mg/L]	20-Jun-24	08:28	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	20-Jun-24	08:28	0.0015	0.0299	0.0149	0.0025	0.0039	< 0.0009
Se [mg/L]	20-Jun-24	08:28	0.00009	< 0.00004	< 0.00004	0.00006	< 0.00004	0.00006
Sn [mg/L]	20-Jun-24	08:28	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	20-Jun-24	08:28	0.00860	0.00392	0.00355	0.00314	0.00441	0.00184
Ti [mg/L]	20-Jun-24	08:28	< 0.0001	< 0.0001	< 0.0001	0.00016	< 0.0001	0.00019
Tl [mg/L]	20-Jun-24	08:28	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	20-Jun-24	08:28	0.000070	0.000015	0.000012	0.000030	0.000140	0.000015

OnLine LIMS

00037582261

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10084-JUN24

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#59	6: CV5-WR-HCT-5 Wk#59	7: CV5-WR-HCT-5 (DUP) Wk#59	8: CV5-WR-HCT-1 4 Wk#59	9: CV5-WR-HCT-2 2 Wk#59	10: CV5-WR-HCT-3 3 Wk#59
V [mg/L]	20-Jun-24	08:28	0.00017	0.00039	0.00032	0.00178	0.00094	0.00051
W [mg/L]	20-Jun-24	08:28	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	20-Jun-24	08:28	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	20-Jun-24	08:28	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-3 6 Wk#59	12: CV5-WR-HCT-3 9 Wk#59	13: CV5-WR-HCT-5 0 Wk#59	14: CV5-WR-HCT-5 6 Wk#59	15: CV5-WR-HCT-5 9 Wk#59	16: CV5-WR-HCT-6 2 Wk#59	17: CV5-WR-HCT-6 4 Wk#59	18: CV5-WR-HCT-6 9 Wk#59
Sample Date & Time	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24
HumCell Leachate Vol [mL]	951	953	1005	1001	996	926	1003	1012
pH [No unit]	7.18	6.44	7.00	7.26	6.16	7.36	7.05	7.31
Alkalinity [mg/L as CaCO3]	6	< 2	5	6	< 2	7	3	6
Conductivity [uS/cm]	14	19	47	25	13	20	7	11
Acidity [mg/L as CaCO3]	< 2	< 2	12	< 2	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.21	< 0.03	< 0.03	< 0.03	< 0.03	0.11	< 0.03	< 0.03
SO4 [mg/L]	< 2	6	7	6	4	3	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.002	0.009	0.022	0.035	0.002	< 0.001	0.027	0.058
As [mg/L]	0.917	0.0126	0.0021	0.0076	0.158	0.530	0.0043	0.0030
Ba [mg/L]	0.00051	0.00019	0.00022	0.00039	0.00016	0.00038	< 0.00008	0.00014
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000064
B [mg/L]	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00020
Ca [mg/L]	2.24	2.93	6.66	4.80	1.85	2.82	1.63	2.52
Cd [mg/L]	< 0.000003	0.000006	0.000053	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000303	0.000124	0.00413	0.000061	0.00332	0.000445	0.000010	0.000149
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.008	< 0.007	< 0.007	< 0.007
K [mg/L]	0.031	0.131	0.114	0.114	0.024	0.019	0.144	0.060
Li [mg/L]	0.0015	0.0054	0.0068	0.0015	0.0014	0.0003	0.0011	0.0011
Mg [mg/L]	0.513	0.262	0.067	0.125	0.314	0.782	0.033	0.027
Mn [mg/L]	0.00167	0.00175	0.00786	0.00548	0.00556	0.00241	0.00514	0.00279
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.01	0.08	0.08	0.05	0.05	< 0.01	0.03	0.10
Ni [mg/L]	0.0062	0.0005	0.0036	0.0004	0.0275	0.0063	0.0003	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.317	0.0071	0.0103	< 0.0009	0.0035	0.352	0.0010	0.0015
Se [mg/L]	< 0.00004	< 0.00004	0.00043	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00196	0.00646	0.00330	0.00375	0.00651	0.00134	0.00175	0.00369
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000005	0.000023	< 0.000005	0.000007	< 0.000005	0.000028	0.000006
U [mg/L]	0.000015	0.000164	0.00110	0.000278	0.000002	0.000032	0.000292	0.00293
V [mg/L]	0.00014	0.00022	0.00004	0.00021	0.00019	0.00013	0.00002	0.00006
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.015	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	19: CV5-ORE-HCT-74 Wk#59	20: CV5-ORE-HCT-76 Wk#59
Sample Date & Time	13-Jun-24	13-Jun-24

OnLine LIMS

00037528261

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10084-JUN24**

Analysis	19: CV5-ORE-HCT-74 Wk#59	20: CV5-ORE-HCT-76 Wk#59
HumCell Leachate Vol [mL]	1008	995
pH [No unit]	6.75	7.18
Alkalinity [mg/L as CaCO3]	< 2	5
Conductivity [uS/cm]	2	11
Acidity [mg/L as CaCO3]	2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.015	0.034
As [mg/L]	0.0066	0.0015
Ba [mg/L]	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000025
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00006
Ca [mg/L]	0.48	2.02
Cd [mg/L]	< 0.000003	0.000007
Co [mg/L]	0.000016	0.000010
Cr [mg/L]	< 0.00008	0.00008
Cu [mg/L]	< 0.001	< 0.001
Fe [mg/L]	< 0.007	0.019
K [mg/L]	0.087	0.159
Li [mg/L]	0.0058	0.0047
Mg [mg/L]	0.009	0.066
Mn [mg/L]	0.0539	0.00071
Mo [mg/L]	< 0.0004	0.0233
Na [mg/L]	0.07	0.08
Ni [mg/L]	0.0002	0.0001
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0065	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006
Sr [mg/L]	0.00079	0.00378
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000031	0.000018
U [mg/L]	0.000359	0.000577
V [mg/L]	0.00001	0.00004
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00037582261

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 April 2024
LR Report: **CA10087-APR24**
Reference: Wk#50

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#50	6: CV5-DMS-HC T-84 Wk#50
Sample Date & Time			11-Apr-24	11-Apr-24
HumCell Leachate Vol [mL]	16-Apr-24	16:15	974	984
pH [No unit]	12-Apr-24	13:25	6.18	6.17
Alkalinity [mg/L as CaCO3]	12-Apr-24	13:25	< 2	< 2
Conductivity [uS/cm]	12-Apr-24	13:25	< 2	2
Acidity [mg/L as CaCO3]	12-Apr-24	13:25	3	3
F [mg/L]	15-Apr-24	10:35	< 0.06	< 0.06
Tot.Reactive P [mg/L]	15-Apr-24	08:33	< 0.03	< 0.03
SO4 [mg/L]	15-Apr-24	13:02	< 2	< 2
Cl [mg/L]	15-Apr-24	13:02	< 1	< 1
NO2 [as N mg/L]	15-Apr-24	14:59	< 0.03	< 0.03
NO3 [as N mg/L]	15-Apr-24	14:59	< 0.06	< 0.06
Br [mg/L]	15-Apr-24	14:59	< 0.3	< 0.3
Hg [mg/L]	15-Apr-24	13:09	< 0.00001	< 0.00001
Ag [mg/L]	16-Apr-24	16:05	< 0.00005	< 0.00005
Al [mg/L]	16-Apr-24	16:05	0.008	0.008
As [mg/L]	16-Apr-24	16:05	0.0029	0.0028
Ba [mg/L]	16-Apr-24	16:05	< 0.00008	< 0.00008
Be [mg/L]	16-Apr-24	16:05	0.000009	0.000007
B [mg/L]	16-Apr-24	16:05	< 0.002	< 0.002
Bi [mg/L]	16-Apr-24	16:05	0.00003	0.00002
Ca [mg/L]	16-Apr-24	16:05	0.33	0.34
Cd [mg/L]	16-Apr-24	16:05	< 0.000003	0.000003
Co [mg/L]	16-Apr-24	16:05	0.000005	< 0.000004
Cr [mg/L]	16-Apr-24	16:05	< 0.00008	< 0.00008
Cu [mg/L]	16-Apr-24	16:05	< 0.001	< 0.001
Fe [mg/L]	16-Apr-24	16:05	< 0.007	< 0.007
K [mg/L]	16-Apr-24	16:05	0.039	0.048
Li [mg/L]	16-Apr-24	16:05	0.0005	0.0004
Mg [mg/L]	16-Apr-24	16:05	0.010	0.010

OnLine LIMS

0003696003

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10087-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#50	6: CV5-DMS-HC T-84 Wk#50
Mn [mg/L]	16-Apr-24	16:05	0.00137	0.00091
Mo [mg/L]	16-Apr-24	16:05	< 0.0004	< 0.0004
Na [mg/L]	16-Apr-24	16:05	0.01	< 0.01
Ni [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Pb [mg/L]	16-Apr-24	16:05	< 0.00009	< 0.00009
Sb [mg/L]	16-Apr-24	16:05	0.0012	0.0012
Se [mg/L]	16-Apr-24	16:05	< 0.00004	< 0.00004
Sn [mg/L]	16-Apr-24	16:05	< 0.00006	< 0.00006
Sr [mg/L]	16-Apr-24	16:05	0.00076	0.00076
Ti [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Tl [mg/L]	16-Apr-24	16:05	0.000008	0.000009
U [mg/L]	16-Apr-24	16:05	0.000742	0.000592
V [mg/L]	16-Apr-24	16:05	0.00002	0.00001
W [mg/L]	16-Apr-24	16:05	< 0.0002	< 0.0002
Y [mg/L]	16-Apr-24	16:05	< 0.00002	< 0.00002
Zn [mg/L]	16-Apr-24	16:05	< 0.002	< 0.002
Au (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Ce (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Cs (tot) [mg/L]	16-Apr-24	16:05	0.0015	0.0015
Dy (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Er (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Eu (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Ga (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Gd (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Ge (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Hf (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Ho (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
In (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Ir (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
La (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Lu (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Nb (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Nd (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Os (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Pd (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Pr (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Pt (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Rb (tot) [mg/L]	16-Apr-24	16:05	0.0036	0.0037
Re (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Rh (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Sc (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Sm (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Ta (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Tb (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Te (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001

OnLine LIMS

0003696003

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10087-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#50	6: CV5-DMS-HC T-84 Wk#50
Th (tot) [mg/L]	16-Apr-24	16:05	< 0.0001	< 0.0001
Tm (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001
Yb (tot) [mg/L]	16-Apr-24	16:05	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003696003

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

30-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 April 2024
LR Report: **CA10088-APR24**
Reference: Wk#50

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#50	6: CV5-WR-HCT -5 Wk#50	7: CV5-WR-HCT- 5 (DUP) Wk#50	8: CV5-WR-HCT -14 Wk#50	9: CV5-WR-HCT -22 Wk#50
Sample Date & Time			11-Apr-24	11-Apr-24	11-Apr-24	11-Apr-24	11-Apr-24
HumCell Leachate Vol [mL]	16-Apr-24	16:15	951	936	949	1008	1004
pH [No unit]	15-Apr-24	13:39	6.66	6.89	6.84	7.77	6.91
Alkalinity [mg/L as CaCO3]	16-Apr-24	12:28	2	3	3	12	4
Conductivity [uS/cm]	16-Apr-24	12:28	36	21	15	30	12
Acidity [mg/L as CaCO3]	16-Apr-24	12:29	< 2	< 2	< 2	< 2	< 2
F [mg/L]	15-Apr-24	10:36	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	15-Apr-24	08:34	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	22-Apr-24	19:21	12	4	3	2	< 2
Cl [mg/L]	22-Apr-24	19:21	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	15-Apr-24	19:56	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	15-Apr-24	19:56	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	15-Apr-24	19:56	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	15-Apr-24	13:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	16-Apr-24	16:06	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	16-Apr-24	16:06	0.021	0.022	0.024	0.105	0.019
As [mg/L]	16-Apr-24	16:06	0.0024	0.150	0.118	0.0303	0.0934
Ba [mg/L]	16-Apr-24	16:06	0.00032	0.00017	0.00014	0.00018	0.00009
Be [mg/L]	16-Apr-24	16:06	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	16-Apr-24	16:06	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	16-Apr-24	16:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	16-Apr-24	16:06	5.33	3.21	2.49	5.63	1.96
Cd [mg/L]	16-Apr-24	16:06	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	16-Apr-24	16:06	0.000115	0.000177	0.000189	0.000095	0.000129
Cr [mg/L]	16-Apr-24	16:06	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	16-Apr-24	16:06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	16-Apr-24	16:06	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	16-Apr-24	16:06	0.142	0.077	0.055	0.021	0.032
Li [mg/L]	16-Apr-24	16:06	0.0049	0.0062	0.0054	0.0034	0.0044
Mg [mg/L]	16-Apr-24	16:06	0.248	0.149	0.132	0.189	0.228

OnLine LIMS

0003669668

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10088-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#50	6: CV5-WR-HCT -5 Wk#50	7: CV5-WR-HCT-5 (DUP) Wk#50	8: CV5-WR-HCT -14 Wk#50	9: CV5-WR-HCT -22 Wk#50
Mn [mg/L]	16-Apr-24	16:06	0.00102	0.00090	0.00102	0.00511	0.00047
Mo [mg/L]	16-Apr-24	16:06	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	16-Apr-24	16:06	0.10	0.04	0.04	0.11	0.07
Ni [mg/L]	16-Apr-24	16:06	0.0007	0.0012	0.0008	0.0002	0.0004
Pb [mg/L]	16-Apr-24	16:06	< 0.00009	< 0.00009	< 0.00009	0.00010	0.00009
Sb [mg/L]	16-Apr-24	16:06	0.0017	0.0300	0.0177	0.0029	0.0040
Se [mg/L]	16-Apr-24	16:06	0.00015	< 0.00004	< 0.00004	0.00010	< 0.00004
Sn [mg/L]	16-Apr-24	16:06	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	16-Apr-24	16:06	0.01007	0.00482	0.00442	0.00393	0.00524
Ti [mg/L]	16-Apr-24	16:06	0.0001	< 0.0001	0.0001	0.0001	0.0001
Tl [mg/L]	16-Apr-24	16:06	< 0.000005	< 0.000005	0.000005	< 0.000005	0.000005
U [mg/L]	16-Apr-24	16:06	0.000084	0.000036	0.000017	0.000200	0.000166
V [mg/L]	16-Apr-24	16:06	0.00024	0.00037	0.00038	0.00209	0.00087
W [mg/L]	16-Apr-24	16:06	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	16-Apr-24	16:06	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	16-Apr-24	16:06	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Cs (tot) [mg/L]	16-Apr-24	16:07	0.0058	0.0071	0.0076	0.0015	0.0040
Dy (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	16-Apr-24	16:07	0.0030	0.0026	0.0024	0.0003	0.0014
Re (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

00036969

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10088-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#50	6: CV5-WR-HCT -5 Wk#50	7: CV5-WR-HCT-5 (DUP) Wk#50	8: CV5-WR-HCT -14 Wk#50	9: CV5-WR-HCT -22 Wk#50
Th (tot) [mg/L]	16-Apr-24	16:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	16-Apr-24	16:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#50	11: CV5-WR-HCT -36 Wk#50	12: CV5-WR-HCT -39 Wk#50	13: CV5-WR-HCT -50 Wk#50	14: CV5-WR-HCT -56 Wk#50	15: CV5-WR-HCT -59 Wk#50	16: CV5-WR-HCT -62 Wk#50
Sample Date & Time	11-Apr-24	11-Apr-24	11-Apr-24	11-Apr-24	11-Apr-24	11-Apr-24	11-Apr-24
HumCell Leachate Vol [mL]	971	1005	923	1000	978	978	897
pH [No unit]	7.24	7.06	6.39	7.29	7.26	6.15	7.67
Alkalinity [mg/L as CaCO3]	5	5	2	9	6	< 2	6
Conductivity [uS/cm]	12	15	21	50	27	15	26
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	2	< 2	3	< 2
F [mg/L]	< 0.06	< 0.06	0.15	0.48	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.30	< 0.03	< 0.03	< 0.03	< 0.03	0.12
SO4 [mg/L]	< 2	< 2	6	6	5	4	3
Cl [mg/L]	< 1	< 1	< 1	2	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.064	< 0.001	0.016	0.043	0.038	0.005	0.003
As [mg/L]	0.0042	1.10	0.0157	0.0036	0.0095	0.131	0.567
Ba [mg/L]	0.00011	0.00046	0.00018	0.00022	0.00032	0.00016	0.00039
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.30	2.24	2.88	6.64	4.64	1.91	3.26
Cd [mg/L]	< 0.000003	< 0.000003	0.000005	0.000042	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000043	0.000389	0.000128	0.00215	0.000041	0.00189	0.000428
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00011	0.00009
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.028	0.024	0.139	0.146	0.119	0.017	0.021
Li [mg/L]	0.0020	0.0016	0.0059	0.0088	0.0016	0.0012	0.0003
Mg [mg/L]	0.067	0.488	0.294	0.066	0.133	0.302	0.904
Mn [mg/L]	0.00571	0.00154	0.00142	0.00711	0.00586	0.00400	0.00231
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.06	< 0.01	0.08	0.08	0.04	0.02	< 0.01
Ni [mg/L]	< 0.0001	0.0105	0.0003	0.0017	0.0002	0.0148	0.0068
Pb [mg/L]	< 0.00009	< 0.00009	0.00012	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.343	0.0086	0.0145	< 0.0009	0.0027	0.462
Se [mg/L]	0.00008	< 0.00004	0.00007	0.00043	< 0.00004	< 0.00004	0.00007

OnLine LIMS

0003696968

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10088-APR24**

Analysis	10: CV5-WR-HCT -33 Wk#50	11: CV5-WR-HCT -36 Wk#50	12: CV5-WR-HCT -39 Wk#50	13: CV5-WR-HCT -50 Wk#50	14: CV5-WR-HCT -56 Wk#50	15: CV5-WR-HCT -59 Wk#50	16: CV5-WR-HCT -62 Wk#50
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00215	0.00222	0.00728	0.00398	0.00411	0.00756	0.00160
Ti [mg/L]	0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000023	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000077	0.000021	0.000237	0.000839	0.000354	0.000006	0.000139
V [mg/L]	0.00054	0.00012	0.00025	0.00007	0.00026	0.00020	0.00013
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.006	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0022	0.0084	0.0017	0.0363	0.0165	0.0067	0.0027
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00004
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0004	0.0014	0.0017	0.0077	0.0007	0.0016	0.0012
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

00036969698

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10088-APR24**

Analysis	17: CV5-WR-HCT-64 Wk#50	18: CV5-WR-HCT-69 Wk#50	19: CV5-ORE-HCT-74 Wk#50	20: CV5-ORE-HCT-76 Wk#50
Sample Date & Time	11-Apr-24	11-Apr-24	11-Apr-24	11-Apr-24
HumCell Leachate Vol [mL]	1004	987	1004	937
pH [No unit]	7.15	7.33	6.48	7.13
Alkalinity [mg/L as CaCO3]	4	6	2	5
Conductivity [uS/cm]	11	13	3	11
Acidity [mg/L as CaCO3]	2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.028	0.052	0.018	0.045
As [mg/L]	0.0051	0.0027	0.0069	0.0018
Ba [mg/L]	< 0.00008	0.00011	< 0.00008	0.00009
Be [mg/L]	0.000012	0.000078	< 0.000007	0.000061
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00019	< 0.00001	0.00009
Ca [mg/L]	1.89	2.39	0.59	2.00
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000004
Co [mg/L]	0.000007	0.000005	0.000005	0.000015
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.148	0.051	0.089	0.176
Li [mg/L]	0.0015	0.0012	0.0055	0.0051
Mg [mg/L]	0.041	0.026	0.012	0.069
Mn [mg/L]	0.00502	0.00256	0.0607	0.00075
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.02	0.09	0.08	0.06
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0009	0.0010	0.0067	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00230	0.00405	0.00106	0.00400
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000032	0.000007	0.000033	0.000015
U [mg/L]	0.000436	0.00352	0.000494	0.000704
V [mg/L]	0.00003	0.00005	0.00001	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

0003669698

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10088-APR24**

Analysis	17: CV5-WR-HCT -64 Wk#50	18: CV5-WR-HCT -69 Wk#50	19: CV5-ORE-HC T-74 Wk#50	20: CV5-ORE-HC T-76 Wk#50
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0072	0.0016	0.0100	0.0045
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	0.0001	0.0001	0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00002	0.00002	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0135	0.0031	0.0117	0.0070
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00036969698

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 14 March 2024
LR Report: **CA10096-MAR24**
Reference: Wk#46

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#46	6: CV5-WR-HCT -5 Wk#46	7: CV5-WR-HCT- 5 (DUP) Wk#46	8: CV5-WR-HCT -14 Wk#46	9: CV5-WR-HCT -22 Wk#46
Sample Date & Time			14-Mar-24	14-Mar-24	14-Mar-24	14-Mar-24	14-Mar-24
HumCell Leachate Vol [mL]	25-Mar-24	15:27	942	926	969	986	1004
pH [No unit]	18-Mar-24	11:54	6.82	7.08	6.99	7.68	7.04
Alkalinity [mg/L as CaCO3]	18-Mar-24	11:54	3	3	3	13	4
Conductivity [uS/cm]	15-Mar-24	14:02	34	18	14	29	10
Acidity [mg/L as CaCO3]	15-Mar-24	14:02	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	15-Mar-24	13:58	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	19-Mar-24	20:01	11	4	3	2	< 2
Ag [mg/L]	19-Mar-24	10:48	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Mar-24	10:48	0.017	0.018	0.018	0.089	0.014
As [mg/L]	19-Mar-24	10:48	0.0031	0.149	0.109	0.0307	0.107
Ba [mg/L]	19-Mar-24	10:48	0.00017	0.00015	0.00009	0.00011	0.00008
Be [mg/L]	19-Mar-24	10:48	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	19-Mar-24	10:48	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	19-Mar-24	10:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	19-Mar-24	10:48	4.12	2.67	2.06	4.87	1.42
Cd [mg/L]	19-Mar-24	10:48	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000006
Co [mg/L]	19-Mar-24	10:48	0.000086	0.000176	0.000205	0.000057	0.000109
Cr [mg/L]	19-Mar-24	10:48	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	19-Mar-24	10:48	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	19-Mar-24	10:48	< 0.007	< 0.007	< 0.007	0.008	< 0.007
K [mg/L]	19-Mar-24	10:48	0.120	0.062	0.052	0.020	0.020
Li [mg/L]	19-Mar-24	10:48	0.0052	0.0067	0.0058	0.0033	0.0043
Mg [mg/L]	19-Mar-24	10:48	0.224	0.137	0.122	0.184	0.183
Mn [mg/L]	19-Mar-24	10:48	0.00083	0.00098	0.00100	0.00464	0.00039
Mo [mg/L]	19-Mar-24	10:48	0.0008	0.0054	0.0005	0.0029	< 0.0004
Na [mg/L]	19-Mar-24	10:48	0.11	0.04	0.03	0.12	0.06
Ni [mg/L]	19-Mar-24	10:48	0.0003	0.0012	0.0008	0.0001	0.0003
Pb [mg/L]	19-Mar-24	10:48	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	19-Mar-24	10:48	0.0022	0.0344	0.0196	0.0031	0.0050

OnLine LIMS

0003662957

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10096-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#46	6: CV5-WR-HCT -5 Wk#46	7: CV5-WR-HCT-5 (DUP) Wk#46	8: CV5-WR-HCT -14 Wk#46	9: CV5-WR-HCT -22 Wk#46
Se [mg/L]	19-Mar-24	10:48	0.00015	< 0.00004	< 0.00004	0.00009	< 0.00004
Sn [mg/L]	19-Mar-24	10:48	0.00010	0.00015	0.00033	0.00019	0.00045
Sr [mg/L]	19-Mar-24	10:48	0.00840	0.00448	0.00399	0.00384	0.00420
Ti [mg/L]	19-Mar-24	10:48	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Tl [mg/L]	19-Mar-24	10:48	< 0.000005	0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	19-Mar-24	10:48	0.000092	0.000045	0.000013	0.000026	0.000155
V [mg/L]	19-Mar-24	10:48	0.00021	0.00035	0.00034	0.00201	0.00082
W [mg/L]	19-Mar-24	10:48	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	19-Mar-24	10:48	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	19-Mar-24	10:48	< 0.002	0.006	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#46	11: CV5-WR-HCT -36 Wk#46	12: CV5-WR-HCT -39 Wk#46	13: CV5-WR-HCT -50 Wk#46	14: CV5-WR-HCT -56 Wk#46	15: CV5-WR-HCT -59 Wk#46	16: CV5-WR-HCT -62 Wk#46
Sample Date & Time	14-Mar-24	14-Mar-24	14-Mar-24	14-Mar-24	14-Mar-24	14-Mar-24	14-Mar-24
HumCell Leachate Vol [mL]	987	989	944	1003	1003	1003	935
pH [No unit]	7.36	7.10	6.63	7.19	7.35	6.24	7.37
Alkalinity [mg/L as CaCO3]	7	5	2	8	8	2	7
Conductivity [uS/cm]	16	13	25	46	28	13	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	0.24	< 0.03	< 0.03	< 0.03	0.03	0.12
SO4 [mg/L]	< 2	< 2	8	7	6	4	3
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.053	< 0.001	0.014	0.017	0.033	0.004	0.002
As [mg/L]	0.0043	0.910	0.0129	0.0028	0.0114	0.187	0.520
Ba [mg/L]	0.00014	0.00032	0.00086	0.00022	0.00037	0.00016	0.00024
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.51	1.52	2.98	5.88	4.32	1.39	2.49
Cd [mg/L]	< 0.000003	< 0.000003	0.000009	0.000050	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000055	0.000328	0.000122	0.00265	0.000054	0.000703	0.000445
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.025	0.019	0.109	0.117	0.148	0.016	0.014
Li [mg/L]	0.0022	0.0013	0.0051	0.0076	0.0023	0.0013	0.0003
Mg [mg/L]	0.064	0.361	0.277	0.065	0.155	0.248	0.671
Mn [mg/L]	0.00737	0.00190	0.00153	0.00867	0.00656	0.00186	0.00246
Mo [mg/L]	< 0.0004	0.0018	< 0.0004	0.0007	0.0021	< 0.0004	< 0.0004
Na [mg/L]	0.06	0.01	0.07	0.07	0.05	0.03	< 0.01
Ni [mg/L]	< 0.0001	0.0083	0.0003	0.0018	0.0001	0.0062	0.0067
Pb [mg/L]	< 0.00009	< 0.00009	0.00026	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0011	0.298	0.0073	0.0144	< 0.0009	0.0036	0.451

OnLine LIMS

00036629S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10096-MAR24**

Analysis	10: CV5-WR-HCT -33 Wk#46	11: CV5-WR-HCT -36 Wk#46	12: CV5-WR-HCT -39 Wk#46	13: CV5-WR-HCT -50 Wk#46	14: CV5-WR-HCT -56 Wk#46	15: CV5-WR-HCT -59 Wk#46	16: CV5-WR-HCT -62 Wk#46
Se [mg/L]	0.00009	< 0.00004	< 0.00004	0.00044	0.00005	< 0.00004	0.00004
Sn [mg/L]	0.00011	0.00008	0.00026	0.00013	0.00014	0.00009	0.00009
Sr [mg/L]	0.00237	0.00166	0.00773	0.00395	0.00431	0.00585	0.00139
Ti [mg/L]	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000020	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000020	0.000054	0.000303	0.00126	0.000603	0.000014	0.000061
V [mg/L]	0.00046	0.00008	0.00021	0.00004	0.00026	0.00025	0.00011
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.003	0.008	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#46	18: CV5-WR-HCT -69 Wk#46	19: CV5-ORE-HCT-74 Wk#46	20: CV5-ORE-HCT-76 Wk#46
Sample Date & Time	14-Mar-24	14-Mar-24	14-Mar-24	14-Mar-24
HumCell Leachate Vol [mL]	1003	1008	1012	978
pH [No unit]	7.12	7.22	6.65	7.21
Alkalinity [mg/L as CaCO3]	5	6	2	7
Conductivity [uS/cm]	10	11	2	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.019	0.033	0.010	0.031
As [mg/L]	0.0051	0.0028	0.0068	0.0018
Ba [mg/L]	< 0.00008	0.00009	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000036	< 0.000007	0.000071
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00011	< 0.00001	0.00006
Ca [mg/L]	1.70	1.78	0.52	2.08
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	0.000074
Co [mg/L]	0.000015	0.000006	0.000005	0.000019
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.006
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.009
K [mg/L]	0.132	0.038	0.067	0.156
Li [mg/L]	0.0013	0.0011	0.0050	0.0051
Mg [mg/L]	0.044	0.023	0.010	0.077
Mn [mg/L]	0.00481	0.00210	0.0499	0.00088
Mo [mg/L]	0.0035	< 0.0004	< 0.0004	0.0351
Na [mg/L]	0.03	0.08	0.06	0.07
Ni [mg/L]	< 0.0001	< 0.0001	0.0001	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	0.00015	0.00040
Sb [mg/L]	0.0012	0.0015	0.0068	< 0.0009

OnLine LIMS

00036629S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10096-MAR24**

Analysis	17: CV5-WR-HCT-64 Wk#46	18: CV5-WR-HCT-69 Wk#46	19: CV5-ORE-HCT-74 Wk#46	20: CV5-ORE-HCT-76 Wk#46
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	0.00032	0.00009	0.00018	0.00068
Sr [mg/L]	0.00221	0.00309	0.00094	0.00446
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000025	< 0.000005	0.000024	0.000014
U [mg/L]	0.000562	0.00314	0.000461	0.000823
V [mg/L]	0.00001	0.00003	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.003



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003662957

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

24-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 January 2024
LR Report: **CA10108-JAN24**
Reference: Wk#37

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#37	6: CV5-DMS-HCT-84 Wk#37
Sample Date & Time			11-Jan-23	11-Jan-23
HumCell Leachate Vol [mL]	17-Jan-24	08:57	988	992
pH [No unit]	17-Jan-24	10:36	6.13	6.19
Alkalinity [mg/L as CaCO3]	16-Jan-24	09:19	< 2	< 2
Conductivity [uS/cm]	16-Jan-24	09:19	3	2
Acidity [mg/L as CaCO3]	17-Jan-24	10:38	2	< 2
Tot.Reactive P [mg/L]	15-Jan-24	10:37	< 0.03	< 0.03
SO4 [mg/L]	15-Jan-24	15:56	< 2	< 2
Ag [mg/L]	16-Jan-24	12:22	< 0.00005	< 0.00005
Al [mg/L]	16-Jan-24	12:22	0.015	0.013
As [mg/L]	16-Jan-24	12:22	0.0040	0.0029
Ba [mg/L]	16-Jan-24	12:22	0.00008	0.00010
Be [mg/L]	16-Jan-24	12:22	0.000008	0.000014
B [mg/L]	16-Jan-24	12:22	< 0.002	< 0.002
Bi [mg/L]	16-Jan-24	12:22	0.00003	0.00004
Ca [mg/L]	16-Jan-24	12:22	0.33	0.31
Cd [mg/L]	16-Jan-24	12:22	0.000003	< 0.000003
Co [mg/L]	16-Jan-24	12:22	0.000015	0.000013
Cr [mg/L]	16-Jan-24	12:22	< 0.00008	< 0.00008
Cu [mg/L]	16-Jan-24	12:22	0.0005	< 0.0002
Fe [mg/L]	16-Jan-24	12:22	< 0.007	< 0.007
K [mg/L]	16-Jan-24	12:22	0.062	0.059
Li [mg/L]	16-Jan-24	12:22	0.0006	0.0007
Mg [mg/L]	16-Jan-24	12:22	0.011	0.010
Mn [mg/L]	16-Jan-24	12:22	0.00078	0.00116
Mo [mg/L]	16-Jan-24	12:22	0.00142	0.00009
Na [mg/L]	16-Jan-24	12:22	0.03	0.02
Ni [mg/L]	16-Jan-24	12:22	0.0002	0.0002
Pb [mg/L]	16-Jan-24	12:22	< 0.00009	< 0.00009
Sb [mg/L]	16-Jan-24	12:22	0.0018	0.0014
Se [mg/L]	16-Jan-24	12:22	< 0.00004	< 0.00004
Sn [mg/L]	16-Jan-24	12:22	< 0.00006	< 0.00006
Sr [mg/L]	16-Jan-24	12:22	0.00051	0.00059
Ti [mg/L]	16-Jan-24	12:22	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003600111

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10108-JAN24

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#37	6: CV5-DMS-HCT-84 Wk#37
Tl [mg/L]	16-Jan-24	12:22	0.000006	< 0.000005
U [mg/L]	16-Jan-24	12:22	0.000768	0.000892
V [mg/L]	16-Jan-24	12:22	< 0.00001	< 0.00001
W [mg/L]	16-Jan-24	12:22	< 0.00002	< 0.00002
Y [mg/L]	16-Jan-24	12:22	< 0.00002	< 0.00002
Zn [mg/L]	16-Jan-24	12:22	< 0.002	< 0.002

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003600111

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 January 2024
LR Report: **CA10109-JAN24**
Reference: Wk#37

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#37	6: CV5-WR-HCT-5 Wk#37	7: CV5-WR-HCT-5 (DUP) Wk#37	8: CV5-WR-HCT-14 Wk#37
Sample Date & Time			11-Jan-23	11-Jan-23	11-Jan-23	11-Jan-23
HumCell Leachate Vol [mL]	17-Jan-24	08:57	962	942	973	984
pH [No unit]	16-Jan-24	09:21	6.75	7.03	6.90	7.97
Alkalinity [mg/L as CaCO3]	16-Jan-24	09:22	3	5	3	12
Conductivity [uS/cm]	16-Jan-24	10:56	32	20	16	30
Acidity [mg/L as CaCO3]	17-Jan-24	10:38	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	15-Jan-24	10:37	< 0.03	0.04	< 0.03	< 0.03
SO4 [mg/L]	15-Jan-24	15:57	9	4	3	2
Ag [mg/L]	16-Jan-24	12:21	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	16-Jan-24	12:21	0.025	0.025	0.025	0.099
As [mg/L]	16-Jan-24	12:21	0.0034	0.157	0.111	0.0360
Ba [mg/L]	16-Jan-24	12:21	0.00026	0.00018	0.00023	0.00014
Be [mg/L]	16-Jan-24	12:21	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	16-Jan-24	12:21	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	16-Jan-24	12:21	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	16-Jan-24	12:21	4.36	2.93	2.30	5.33
Cd [mg/L]	16-Jan-24	12:21	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	16-Jan-24	12:21	0.000086	0.000199	0.000178	0.000086
Cr [mg/L]	16-Jan-24	12:21	< 0.00008	0.00027	< 0.00008	< 0.00008
Cu [mg/L]	16-Jan-24	12:21	0.0002	0.0005	0.0002	0.0003
Fe [mg/L]	16-Jan-24	12:21	< 0.007	< 0.007	< 0.007	0.010
K [mg/L]	16-Jan-24	12:21	0.180	0.097	0.075	0.044
Li [mg/L]	16-Jan-24	12:21	0.0124	0.0195	0.0076	0.0046
Mg [mg/L]	16-Jan-24	12:21	0.295	0.187	0.155	0.229
Mn [mg/L]	16-Jan-24	12:21	0.00097	0.00119	0.00131	0.00566
Mo [mg/L]	16-Jan-24	12:21	0.00008	0.00023	0.00011	0.00008
Na [mg/L]	16-Jan-24	12:21	0.15	0.12	0.04	0.19
Ni [mg/L]	16-Jan-24	12:21	0.0004	0.0013	0.0009	0.0004

OnLine LIMS

00036039

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10109-JAN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#37	6: CV5-WR-HCT-5 Wk#37	7: CV5-WR-HCT-5 (DUP) Wk#37	8: CV5-WR-HCT-14 Wk#37
Pb [mg/L]	16-Jan-24	12:21	0.00012	0.00057	< 0.00009	< 0.00009
Sb [mg/L]	16-Jan-24	12:21	0.0029	0.0432	0.0254	0.0047
Se [mg/L]	16-Jan-24	12:21	0.00013	< 0.00004	< 0.00004	0.00008
Sn [mg/L]	16-Jan-24	12:21	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	16-Jan-24	12:21	0.0100	0.00562	0.00444	0.00469
Ti [mg/L]	16-Jan-24	12:21	0.00007	0.00020	0.00008	0.00033
Tl [mg/L]	16-Jan-24	12:21	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	16-Jan-24	12:21	0.000142	0.000182	0.000015	0.000314
V [mg/L]	16-Jan-24	12:21	0.00025	0.00039	0.00039	0.00235
W [mg/L]	16-Jan-24	12:21	0.00003	0.00004	0.00004	< 0.00002
Y [mg/L]	16-Jan-24	12:21	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	16-Jan-24	12:21	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#37	10: CV5-WR-HCT-33 Wk#37	11: CV5-WR-HCT-36 Wk#37	12: CV5-WR-HCT-39 Wk#37	13: CV5-WR-HCT-50 Wk#37	14: CV5-WR-HCT-56 Wk#37
Sample Date & Time	11-Jan-23	11-Jan-23	11-Jan-23	11-Jan-23	11-Jan-23	11-Jan-23
HumCell Leachate Vol [mL]	998	987	984	986	987	982
pH [No unit]	7.05	7.22	7.17	6.57	6.96	7.14
Alkalinity [mg/L as CaCO3]	5	6	5	2	3	6
Conductivity [uS/cm]	13	14	15	22	51	29
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	3	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.32	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	5	6	11	6
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.020	0.056	0.002	0.015	0.014	0.039
As [mg/L]	0.114	0.0036	0.951	0.0185	0.0040	0.0116
Ba [mg/L]	0.00012	0.00017	0.00048	0.00022	0.00040	0.00031
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.004	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.81	2.30	2.01	2.65	6.84	4.28
Cd [mg/L]	< 0.000003	< 0.000003	0.000023	0.000003	0.000035	0.000004
Co [mg/L]	0.000147	0.000046	0.000474	0.000135	0.00226	0.000076
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0003	0.0007	< 0.0002	0.0004	0.0004	0.0004
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.007
K [mg/L]	0.047	0.058	0.078	0.185	0.201	0.185
Li [mg/L]	0.0058	0.0065	0.165	0.0082	0.0120	0.0029
Mg [mg/L]	0.221	0.103	0.508	0.324	0.114	0.206
Mn [mg/L]	0.00045	0.00754	0.00144	0.00156	0.00789	0.00779

OnLine LIMS

00036003389

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10109-JAN24**

Analysis	9: CV5-WR-HCT-22 Wk#37	10: CV5-WR-HCT-33 Wk#37	11: CV5-WR-HCT-36 Wk#37	12: CV5-WR-HCT-39 Wk#37	13: CV5-WR-HCT-50 Wk#37	14: CV5-WR-HCT-56 Wk#37
Mo [mg/L]	0.00024	0.00029	0.00033	0.00007	0.00025	0.00005
Na [mg/L]	0.15	0.11	1.06	0.08	0.25	0.09
Ni [mg/L]	0.0005	0.0003	0.0078	0.0005	0.0020	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00067
Sb [mg/L]	0.0057	0.0012	0.392	0.0129	0.0194	< 0.0009
Se [mg/L]	< 0.00004	0.00007	< 0.00004	0.00006	0.00055	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00501	0.00199	0.00222	0.00751	0.00920	0.00406
Ti [mg/L]	0.00010	0.00020	0.00007	0.00011	< 0.00007	0.00020
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000005	0.000014	< 0.000005
U [mg/L]	0.000186	0.000091	0.000045	0.000291	0.00131	0.000381
V [mg/L]	0.00091	0.00051	0.00010	0.00024	0.00003	0.00027
W [mg/L]	0.00003	0.00003	0.00005	0.00002	< 0.00002	0.00005
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.010	< 0.002	< 0.002	< 0.002	0.011	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#37	16: CV5-WR-HCT-62 Wk#37	17: CV5-WR-HCT-64 Wk#37	18: CV5-WR-HCT-69 Wk#37	19: CV5-ORE-HCT-74 Wk#37	20: CV5-ORE-HCT-76 Wk#37
Sample Date & Time	11-Jan-23	11-Jan-23	11-Jan-23	11-Jan-23	11-Jan-23	11-Jan-23
HumCell Leachate Vol [mL]	992	948	993	994	996	982
pH [No unit]	6.53	7.05	7.11	7.08	6.76	7.22
Alkalinity [mg/L as CaCO3]	2	6	4	6	2	5
Conductivity [uS/cm]	14	21	10	14	5	12
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.06	0.18	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	3	4	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.004	0.002	0.029	0.080	0.019	0.042
As [mg/L]	0.242	0.580	0.0058	0.0038	0.0097	0.0035
Ba [mg/L]	0.00017	0.00046	0.00018	0.00013	< 0.00008	0.00022
Be [mg/L]	< 0.000007	< 0.000007	0.000011	0.000102	< 0.000007	0.000051
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00030	< 0.00001	0.00008
Ca [mg/L]	1.80	2.83	1.85	2.55	0.73	2.22
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000004	0.000004	0.000006
Co [mg/L]	0.000926	0.000670	0.000013	0.000016	0.000011	0.000087
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0012	< 0.0002	< 0.0002	0.0003	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.011
K [mg/L]	0.047	0.023	0.219	0.083	0.103	0.255

OnLine LIMS

00036003B9

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10109-JAN24**

Analysis	15: CV5-WR-HCT-59 Wk#37	16: CV5-WR-HCT-62 Wk#37	17: CV5-WR-HCT-64 Wk#37	18: CV5-WR-HCT-69 Wk#37	19: CV5-ORE-HCT-74 Wk#37	20: CV5-ORE-HCT-76 Wk#37
Li [mg/L]	0.0021	0.0004	0.0020	0.0038	0.0077	0.0098
Mg [mg/L]	0.353	0.733	0.060	0.038	0.012	0.105
Mn [mg/L]	0.00212	0.00322	0.00631	0.00289	0.05151	0.00130
Mo [mg/L]	0.00054	0.00017	0.00012	< 0.00004	0.00042	0.00012
Na [mg/L]	0.04	< 0.01	0.03	0.14	0.09	0.09
Ni [mg/L]	0.0082	0.0101	0.0003	0.0003	0.0003	0.0007
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00012	< 0.00009
Sb [mg/L]	0.0052	0.503	0.0015	0.0016	0.0104	0.0012
Se [mg/L]	0.00005	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00774	0.00242	0.00240	0.00435	0.00103	0.00495
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	0.00014
Tl [mg/L]	0.000005	< 0.000005	0.000030	< 0.000005	0.000023	0.000016
U [mg/L]	0.000035	0.000092	0.000678	0.00346	0.000807	0.000885
V [mg/L]	0.00031	0.00012	< 0.00001	0.00007	< 0.00001	0.00002
W [mg/L]	0.00008	0.00005	0.00004	0.00004	0.00003	0.00003
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00036003389

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings- Long - (9.5mm fraction size)

28-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 16 May 2024
LR Report: **CA10109-MAY24**
Reference: Wk#55

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#55	6: CV5-DMS-HC T-84 Wk#55
Sample Date & Time			16-May-24	16-May-24
HumCell Leachate Vol [mL]	16-May-24	10:21	1016	1007
pH [No unit]	17-May-24	12:11	6.10	5.98
Alkalinity [mg/L as CaCO3]	17-May-24	12:11	< 2	< 2
Conductivity [uS/cm]	17-May-24	15:51	2	< 2
Acidity [mg/L as CaCO3]	17-May-24	12:11	3	3
F [mg/L]	21-May-24	09:29	< 0.06	< 0.06
Tot.Reactive P [mg/L]	17-May-24	08:34	< 0.03	< 0.03
SO4 [mg/L]	27-May-24	16:33	< 2	< 2
Cl [mg/L]	27-May-24	16:33	< 1	< 1
NO2 [as N mg/L]	22-May-24	12:58	< 0.03	< 0.03
NO3 [as N mg/L]	22-May-24	12:58	< 0.06	< 0.06
Br [mg/L]	22-May-24	12:58	< 0.3	< 0.3
Hg [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Ag [mg/L]	24-May-24	09:57	< 0.00005	< 0.00005
Al [mg/L]	24-May-24	09:57	0.008	0.008
As [mg/L]	24-May-24	09:57	0.0027	0.0020
Ba [mg/L]	24-May-24	09:57	< 0.00008	< 0.00008
Be [mg/L]	24-May-24	09:57	0.000008	< 0.000007
B [mg/L]	24-May-24	09:57	< 0.002	< 0.002
Bi [mg/L]	24-May-24	09:57	0.00002	0.00003
Ca [mg/L]	24-May-24	09:57	0.29	0.30
Cd [mg/L]	24-May-24	09:57	< 0.000003	< 0.000003
Co [mg/L]	24-May-24	09:57	0.000008	0.000008
Cr [mg/L]	24-May-24	09:57	< 0.00008	< 0.00008
Cu [mg/L]	24-May-24	09:57	< 0.001	< 0.001
Fe [mg/L]	24-May-24	09:57	< 0.007	< 0.007
K [mg/L]	24-May-24	09:57	0.038	0.039
Li [mg/L]	24-May-24	09:57	0.0005	0.0006
Mg [mg/L]	24-May-24	09:57	0.010	0.009

OnLine LIMS

0003725295

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10109-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#55	6: CV5-DMS-HC T-84 Wk#55
Mn [mg/L]	24-May-24	09:57	0.00086	0.00155
Mo [mg/L]	24-May-24	09:57	< 0.0004	< 0.0004
Na [mg/L]	24-May-24	09:57	0.04	0.04
Ni [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Pb [mg/L]	24-May-24	09:57	< 0.00009	< 0.00009
Sb [mg/L]	24-May-24	09:57	0.0011	0.0010
Se [mg/L]	24-May-24	09:57	< 0.00004	< 0.00004
Sn [mg/L]	24-May-24	09:57	< 0.00006	< 0.00006
Sr [mg/L]	24-May-24	09:57	0.00066	0.00067
Ti [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Tl [mg/L]	24-May-24	09:57	0.000008	0.000008
U [mg/L]	24-May-24	09:57	0.000574	0.000701
V [mg/L]	24-May-24	09:57	0.00002	0.00002
W [mg/L]	24-May-24	09:57	< 0.0002	< 0.0002
Y [mg/L]	24-May-24	09:57	< 0.00002	< 0.00002
Zn [mg/L]	24-May-24	09:57	< 0.002	< 0.002
Au (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Ce (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Cs (tot) [mg/L]	24-May-24	09:57	0.0013	0.0014
Dy (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Er (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Eu (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Ga (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Gd (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Ge (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Hf (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Ho (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
In (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Ir (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
La (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Lu (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Nb (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Nd (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Os (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Pd (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Pr (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Pt (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Rb (tot) [mg/L]	24-May-24	09:57	0.0034	0.0035
Re (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Rh (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Sc (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Sm (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Ta (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Tb (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Te (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001

OnLine LIMS

0003725295

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10109-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#55	6: CV5-DMS-HC T-84 Wk#55
Th (tot) [mg/L]	24-May-24	09:57	< 0.0001	< 0.0001
Tm (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001
Yb (tot) [mg/L]	24-May-24	09:57	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003725295

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

31-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 16 May 2024
LR Report: **CA10110-MAY24**
Reference: Wk#55

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#55	6: CV5-WR-HCT -5 Wk#55	7: CV5-WR-HCT- 5 (DUP) Wk#55	8: CV5-WR-HCT -14 Wk#55	9: CV5-WR-HCT -22 Wk#55
Sample Date & Time			16-May-24	16-May-24	16-May-24	16-May-24	16-May-24
HumCell Leachate Vol [mL]	16-May-24	10:22	994	914	937	1009	964
pH [No unit]	22-May-24	09:57	6.60	6.73	6.73	7.27	6.89
Alkalinity [mg/L as CaCO3]	30-May-24	12:19	2	4	3	10	2
Conductivity [uS/cm]	17-May-24	12:28	31	19	15	28	8
Acidity [mg/L as CaCO3]	22-May-24	09:57	2	< 2	< 2	< 2	< 2
F [mg/L]	21-May-24	13:06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	17-May-24	08:34	< 0.03	0.04	0.03	< 0.03	0.04
SO4 [mg/L]	27-May-24	16:33	10	4	3	< 2	< 2
Cl [mg/L]	27-May-24	16:33	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	22-May-24	12:58	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	22-May-24	12:58	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	22-May-24	12:58	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	24-May-24	09:59	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	24-May-24	09:59	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	24-May-24	09:59	0.019	0.025	0.022	0.096	0.024
As [mg/L]	24-May-24	09:59	0.0021	0.147	0.0921	0.0242	0.0828
Ba [mg/L]	24-May-24	09:59	0.00020	0.00016	0.00011	0.00011	0.00009
Be [mg/L]	24-May-24	09:59	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	24-May-24	09:59	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001
Ca [mg/L]	24-May-24	09:59	4.68	3.08	2.37	5.00	1.18
Cd [mg/L]	24-May-24	09:59	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	24-May-24	09:59	0.000138	0.000155	0.000176	0.000059	0.000177
Cr [mg/L]	24-May-24	09:59	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	24-May-24	09:59	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	24-May-24	09:59	< 0.007	< 0.007	< 0.007	< 0.007	0.009
K [mg/L]	24-May-24	09:59	0.128	0.066	0.054	0.022	0.017
Li [mg/L]	24-May-24	09:59	0.0047	0.0058	0.0049	0.0030	0.0035
Mg [mg/L]	24-May-24	09:59	0.209	0.125	0.116	0.150	0.151

OnLine LIMS

0003729370

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10110-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#55	6: CV5-WR-HCT -5 Wk#55	7: CV5-WR-HCT-5 (DUP) Wk#55	8: CV5-WR-HCT -14 Wk#55	9: CV5-WR-HCT -22 Wk#55
Mn [mg/L]	24-May-24	09:59	0.00149	0.00089	0.00122	0.00493	0.00058
Mo [mg/L]	24-May-24	09:59	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	24-May-24	09:59	0.12	0.07	0.05	0.13	0.08
Ni [mg/L]	24-May-24	09:59	0.0003	0.0010	0.0006	< 0.0001	0.0003
Pb [mg/L]	24-May-24	09:59	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	24-May-24	09:59	0.0015	0.0278	0.0145	0.0023	0.0033
Se [mg/L]	24-May-24	09:59	0.00011	< 0.00004	< 0.00004	0.00007	< 0.00004
Sn [mg/L]	24-May-24	09:59	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	24-May-24	09:59	0.00818	0.00405	0.00392	0.00355	0.00332
Ti [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	0.00017	0.00045
Tl [mg/L]	24-May-24	09:59	< 0.000005	0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	24-May-24	09:59	0.000078	0.000014	0.000013	0.000082	0.000099
V [mg/L]	24-May-24	09:59	0.00018	0.00037	0.00030	0.00184	0.00080
W [mg/L]	24-May-24	09:59	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	24-May-24	09:59	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	24-May-24	09:59	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	24-May-24	09:59	0.00002	< 0.00001	< 0.00001	< 0.00001	0.00003
Cs (tot) [mg/L]	24-May-24	09:59	0.0052	0.0066	0.0066	0.0013	0.0028
Dy (tot) [mg/L]	24-May-24	09:59	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	24-May-24	09:59	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	24-May-24	09:59	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	24-May-24	09:59	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Lu (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	24-May-24	09:59	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	24-May-24	09:59	0.0029	0.0026	0.0023	0.0004	0.0010
Re (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	24-May-24	09:59	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

00037293370

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10110-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#55	6: CV5-WR-HCT -5 Wk#55	7: CV5-WR-HCT-5 (DUP) Wk#55	8: CV5-WR-HCT -14 Wk#55	9: CV5-WR-HCT -22 Wk#55
Th (tot) [mg/L]	24-May-24	09:59	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	24-May-24	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#55	11: CV5-WR-HCT -36 Wk#55	12: CV5-WR-HCT -39 Wk#55	13: CV5-WR-HCT -50 Wk#55	14: CV5-WR-HCT -56 Wk#55	15: CV5-WR-HCT -59 Wk#55	16: CV5-WR-HCT -62 Wk#55
Sample Date & Time	16-May-24	16-May-24	16-May-24	16-May-24	16-May-24	16-May-24	16-May-24
HumCell Leachate Vol [mL]	1002	995	970	1003	971	935	928
pH [No unit]	7.39	7.29	6.45	6.92	7.47	6.38	7.02
Alkalinity [mg/L as CaCO3]	6	4	< 2	8	5	< 2	7
Conductivity [uS/cm]	15	13	20	50	30	18	25
Acidity [mg/L as CaCO3]	< 2	< 2	2	2	< 2	6	< 2
F [mg/L]	< 0.06	< 0.06	0.15	0.50	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.21	< 0.03	< 0.03	< 0.03	0.04	0.14
SO4 [mg/L]	< 2	< 2	6	6	6	6	3
Cl [mg/L]	< 1	< 1	< 1	2	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.054	0.001	0.008	0.036	0.037	0.007	0.002
As [mg/L]	0.0039	0.735	0.0125	0.0032	0.0086	0.106	0.541
Ba [mg/L]	0.00031	0.00040	0.00019	0.00026	0.00031	0.00020	0.00040
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.71	1.90	2.86	6.97	4.82	2.64	3.11
Cd [mg/L]	< 0.000003	< 0.000003	0.000005	0.000049	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000070	0.000453	0.000196	0.00293	0.000046	0.00237	0.000386
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00017	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.014	< 0.007
K [mg/L]	0.031	0.024	0.114	0.141	0.120	0.021	0.027
Li [mg/L]	0.0021	0.0014	0.0051	0.0080	0.0017	0.0014	0.0004
Mg [mg/L]	0.061	0.422	0.232	0.066	0.133	0.318	0.863
Mn [mg/L]	0.00877	0.00208	0.00164	0.00767	0.00515	0.00461	0.00208
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.09	0.03	0.08	0.12	0.06	0.05	0.02
Ni [mg/L]	< 0.0001	0.0085	0.0003	0.0020	< 0.0001	0.0184	0.0058
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0010	0.283	0.0072	0.0139	< 0.0009	0.0018	0.486
Se [mg/L]	0.00006	< 0.00004	< 0.00004	0.00048	< 0.00004	< 0.00004	0.00004

OnLine LMS

0003729370

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10110-MAY24**

Analysis	10: CV5-WR-HCT -33 Wk#55	11: CV5-WR-HCT -36 Wk#55	12: CV5-WR-HCT -39 Wk#55	13: CV5-WR-HCT -50 Wk#55	14: CV5-WR-HCT -56 Wk#55	15: CV5-WR-HCT -59 Wk#55	16: CV5-WR-HCT -62 Wk#55
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00238	0.00183	0.00637	0.00382	0.00374	0.00958	0.00141
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00017	< 0.0001
Tl [mg/L]	< 0.000005	0.000005	0.000005	0.000025	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000023	0.000015	0.000187	0.00105	0.000217	0.000006	0.000053
V [mg/L]	0.00048	0.00011	0.00020	0.00004	0.00024	0.00015	0.00015
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.009	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0022	0.0066	0.0015	0.0336	0.0162	0.0068	0.0029
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0004	0.0012	0.0014	0.0070	0.0007	0.0019	0.0016
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

00037293370

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10110-MAY24**

Analysis	17: CV5-WR-HCT-64 Wk#55	18: CV5-WR-HCT-69 Wk#55	19: CV5-ORE-HCT-74 Wk#55	20: CV5-ORE-HCT-76 Wk#55
Sample Date & Time	16-May-24	16-May-24	16-May-24	16-May-24
HumCell Leachate Vol [mL]	1007	992	1010	991
pH [No unit]	7.24	7.36	6.46	7.06
Alkalinity [mg/L as CaCO3]	3	4	4	4
Conductivity [uS/cm]	8	9	2	11
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.04	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.025	0.042	0.013	0.028
As [mg/L]	0.0042	0.0023	0.0078	0.0015
Ba [mg/L]	< 0.00008	0.00009	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000087	< 0.000007	0.000024
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00015	< 0.00001	0.00006
Ca [mg/L]	1.61	2.02	0.50	2.24
Cd [mg/L]	< 0.000003	< 0.000003	0.000004	< 0.000003
Co [mg/L]	0.000012	0.000010	0.000007	0.000017
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.136	0.048	0.077	0.157
Li [mg/L]	0.0012	0.0011	0.0056	0.0051
Mg [mg/L]	0.033	0.020	0.010	0.066
Mn [mg/L]	0.00497	0.00235	0.0578	0.00065
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.10	0.08	0.08
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0010	0.0011	0.0069	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00184	0.00326	0.00084	0.00431
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000028	0.000005	0.000029	0.000016
U [mg/L]	0.000388	0.00289	0.000406	0.000744
V [mg/L]	0.00003	0.00006	0.00002	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

00037293370

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10110-MAY24**

Analysis	17: CV5-WR-HCT -64 Wk#55	18: CV5-WR-HCT -69 Wk#55	19: CV5-ORE-HC T-74 Wk#55	20: CV5-ORE-HC T-76 Wk#55
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0059	0.0014	0.0097	0.0042
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00003	0.00001	0.00003
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0125	0.0029	0.0113	0.0064
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003729370

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 18 July 2024
LR Report: **CA10114-JUL24**
Reference: Wk#64

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#64	6: CV5-WR-HCT -5 Wk#64	7: CV5-WR-HCT- 5 (DUP) Wk#64	8: CV5-WR-HCT -14 Wk#64	9: CV5-WR-HCT -22 Wk#64
Sample Date & Time			18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24
HumCell Leachate Vol [mL]	23-Jul-24	16:14	934	941	944	983	982
pH [No unit]	23-Jul-24	11:05	6.38	6.79	6.98	7.41	6.78
Alkalinity [mg/L as CaCO3]	23-Jul-24	11:05	2	4	4	11	2
Conductivity [uS/cm]	22-Jul-24	15:37	31	19	14	26	7
Acidity [mg/L as CaCO3]	25-Jul-24	10:41	2	< 2	< 2	< 2	< 2
F [mg/L]	18-Jul-24	15:39	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	22-Jul-24	07:17	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	22-Jul-24	13:01	10	4	3	< 2	< 2
Cl [mg/L]	22-Jul-24	13:01	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	22-Jul-24	15:57	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	22-Jul-24	15:57	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	22-Jul-24	15:57	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	25-Jul-24	11:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	25-Jul-24	11:18	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	25-Jul-24	11:18	0.018	0.026	0.023	0.101	0.028
As [mg/L]	25-Jul-24	11:18	0.0018	0.143	0.0845	0.0253	0.0860
Ba [mg/L]	25-Jul-24	11:18	0.00017	0.00013	0.00011	0.00012	< 0.00008
Be [mg/L]	25-Jul-24	11:18	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	25-Jul-24	11:18	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	25-Jul-24	11:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	25-Jul-24	11:18	4.87	3.25	2.39	5.07	1.22
Cd [mg/L]	25-Jul-24	11:18	< 0.000003	0.000012	0.000013	0.000006	< 0.000003
Co [mg/L]	25-Jul-24	11:18	0.000138	0.000147	0.000158	0.000065	0.000119
Cr [mg/L]	25-Jul-24	11:18	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	25-Jul-24	11:18	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	25-Jul-24	11:18	0.007	0.007	< 0.007	0.011	0.020
K [mg/L]	25-Jul-24	11:18	0.134	0.074	0.065	0.036	0.033
Li [mg/L]	25-Jul-24	11:18	0.0037	0.0049	0.0040	0.0024	0.0031
Mg [mg/L]	25-Jul-24	11:18	0.192	0.124	0.118	0.152	0.162

OnLine LIMS

0003816006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10114-JUL24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#64	6: CV5-WR-HCT -5 Wk#64	7: CV5-WR-HCT-5 (DUP) Wk#64	8: CV5-WR-HCT -14 Wk#64	9: CV5-WR-HCT -22 Wk#64
Mn [mg/L]	25-Jul-24	11:18	0.00190	0.00096	0.00115	0.00520	0.00107
Mo [mg/L]	25-Jul-24	11:18	0.0004	0.0318	0.0284	0.0127	0.0009
Na [mg/L]	25-Jul-24	11:18	0.12	0.09	0.11	0.15	0.10
Ni [mg/L]	25-Jul-24	11:18	0.0004	0.0010	0.0007	0.0002	0.0003
Pb [mg/L]	25-Jul-24	11:18	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	25-Jul-24	11:18	0.0013	0.0278	0.0136	0.0024	0.0034
Se [mg/L]	25-Jul-24	11:18	0.00011	< 0.00004	< 0.00004	0.00009	< 0.00004
Sn [mg/L]	25-Jul-24	11:18	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	25-Jul-24	11:18	0.00758	0.00378	0.00347	0.00327	0.00318
Ti [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	0.00058	0.00030
Tl [mg/L]	25-Jul-24	11:18	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	25-Jul-24	11:18	0.000049	0.000010	0.000007	0.000013	0.000098
V [mg/L]	25-Jul-24	11:18	0.00016	0.00039	0.00028	0.00209	0.00089
W [mg/L]	25-Jul-24	11:18	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	25-Jul-24	11:18	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	25-Jul-24	11:18	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	25-Jul-24	11:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Cs (tot) [mg/L]	25-Jul-24	11:18	0.0059	0.0073	0.0071	0.0014	0.0031
Dy (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	30-Jul-24	17:13	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	25-Jul-24	11:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	30-Jul-24	17:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	25-Jul-24	11:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Nd (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Os (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	25-Jul-24	11:18	0.0029	0.0026	0.0021	0.0003	0.0010
Re (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	25-Jul-24	11:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	30-Jul-24	17:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0003816006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10114-JUL24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#64	6: CV5-WR-HCT -5 Wk#64	7: CV5-WR-HCT-5 (DUP) Wk#64	8: CV5-WR-HCT -14 Wk#64	9: CV5-WR-HCT -22 Wk#64
Th (tot) [mg/L]	25-Jul-24	11:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	30-Jul-24	17:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#64	11: CV5-WR-HCT -36 Wk#64	12: CV5-WR-HCT -39 Wk#64	13: CV5-WR-HCT -50 Wk#64	14: CV5-WR-HCT -56 Wk#64	15: CV5-WR-HCT -59 Wk#64	16: CV5-WR-HCT -62 Wk#64
Sample Date & Time	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24
HumCell Leachate Vol [mL]	948	950	936	991	968	998	919
pH [No unit]	7.04	7.23	6.27	6.78	7.24	5.97	7.24
Alkalinity [mg/L as CaCO3]	5	7	< 2	3	5	< 2	6
Conductivity [uS/cm]	10	13	20	44	25	13	17
Acidity [mg/L as CaCO3]	< 2	< 2	2	13	< 2	4	< 2
F [mg/L]	< 0.06	< 0.06	0.18	0.51	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.21	< 0.03	< 0.03	< 0.03	< 0.03	0.10
SO4 [mg/L]	< 2	< 2	6	8	6	3	< 2
Cl [mg/L]	< 1	< 1	< 1	5	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	0.00008	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.064	0.001	0.009	0.013	0.036	0.005	< 0.001
As [mg/L]	0.0042	0.807	0.0110	0.0015	0.0077	0.127	0.430
Ba [mg/L]	0.00014	0.00041	0.00024	0.00034	0.00040	0.00014	0.00024
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.91	1.94	2.88	6.89	4.58	1.66	2.40
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	0.000117	< 0.000003	0.000012	< 0.000003
Co [mg/L]	0.000040	0.000233	0.000142	0.00861	0.000065	0.00253	0.000374
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.011	0.015
K [mg/L]	0.041	0.052	0.139	0.115	0.128	0.036	0.028
Li [mg/L]	0.0015	0.0014	0.0051	0.0059	0.0013	0.0012	0.0002
Mg [mg/L]	0.058	0.481	0.250	0.083	0.120	0.289	0.705
Mn [mg/L]	0.00448	0.00115	0.00228	0.0121	0.00513	0.00496	0.00314
Mo [mg/L]	< 0.0004	0.0005	< 0.0004	0.0202	0.0009	0.0297	0.0006
Na [mg/L]	0.10	0.06	0.12	0.13	0.14	0.08	0.03
Ni [mg/L]	0.0001	0.0043	0.0005	0.0077	0.0003	0.0259	0.0050
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.359	0.0063	0.0087	< 0.0009	0.0028	0.349
Se [mg/L]	0.00007	< 0.00004	0.00007	0.00052	0.00005	0.00004	0.00006

OnLine LIMS

0003816006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10114-JUL24**

Analysis	10: CV5-WR-HCT -33 Wk#64	11: CV5-WR-HCT -36 Wk#64	12: CV5-WR-HCT -39 Wk#64	13: CV5-WR-HCT -50 Wk#64	14: CV5-WR-HCT -56 Wk#64	15: CV5-WR-HCT -59 Wk#64	16: CV5-WR-HCT -62 Wk#64
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00165	0.00165	0.00613	0.00362	0.00342	0.00574	0.00109
Ti [mg/L]	0.00021	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000025	< 0.000005	0.000005	< 0.000005
U [mg/L]	0.000007	0.000018	0.000142	0.00105	0.000176	< 0.000002	0.000028
V [mg/L]	0.00057	0.00013	0.00019	0.00002	0.00023	0.00015	0.00010
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.035	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0019	0.0107	0.0017	0.0334	0.0170	0.0074	0.0025
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	0.00003	< 0.00001	0.00002	0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0020	0.0015	0.0059	0.0006	0.0018	0.0011
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0003816006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10114-JUL24**

Analysis	17: CV5-WR-HCT-64 Wk#64	18: CV5-WR-HCT-69 Wk#64	19: CV5-ORE-HCT-74 Wk#64	20: CV5-ORE-HCT-76 Wk#64
Sample Date & Time	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24
HumCell Leachate Vol [mL]	1014	1010	978	944
pH [No unit]	6.94	7.20	6.36	7.04
Alkalinity [mg/L as CaCO3]	5	5	3	5
Conductivity [uS/cm]	7	10	2	9
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.021	0.048	0.019	0.052
As [mg/L]	0.0041	0.0024	0.0068	0.0015
Ba [mg/L]	< 0.00008	0.00013	< 0.00008	0.00010
Be [mg/L]	0.000009	0.000048	0.000007	0.000135
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00026	< 0.00001	0.00009
Ca [mg/L]	1.52	2.21	0.42	1.68
Cd [mg/L]	0.000011	< 0.000003	0.000016	< 0.000003
Co [mg/L]	0.000011	0.000015	0.000012	0.000024
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.007	0.022	< 0.007	< 0.007
K [mg/L]	0.139	0.064	0.087	0.198
Li [mg/L]	0.0010	0.0009	0.0050	0.0050
Mg [mg/L]	0.034	0.022	0.011	0.061
Mn [mg/L]	0.00670	0.00370	0.0426	0.00122
Mo [mg/L]	0.0253	< 0.0004	0.0294	0.0010
Na [mg/L]	0.07	0.12	0.12	0.10
Ni [mg/L]	0.0001	0.0001	0.0002	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0011	0.0013	0.0066	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00006
Sr [mg/L]	0.00171	0.00334	0.00073	0.00315
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000028	< 0.000005	0.000028	0.000023
U [mg/L]	0.000319	0.00300	0.000363	0.000477
V [mg/L]	0.00002	0.00005	0.00002	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

0003816006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10114-JUL24**

Analysis	17: CV5-WR-HCT-64 Wk#64	18: CV5-WR-HCT-69 Wk#64	19: CV5-ORE-HCT-74 Wk#64	20: CV5-ORE-HCT-76 Wk#64
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0065	0.0016	0.0102	0.0043
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	< 0.0001	0.0002
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	0.00001
Nd (tot) [mg/L]	0.00003	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	0.00003	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0127	0.0032	0.0110	0.0077
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003816006

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-November-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 November 2024
LR Report: **CA10114-NOV24**
Reference: Wk#82

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#82	6: CV5-WR-HCT-5 Wk#82	7: CV5-WR-HCT-5 (DUP) Wk#82	8: CV5-WR-HCT-14 Wk#82	9: CV5-WR-HCT-22 Wk#82	10: CV5-WR-HCT-33 Wk#82	11: CV5-WR-HCT-36 Wk#82
Sample Date & Time			21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24
HumCell Leachate Vol [mL]	22-Nov-24	15:58	938	950	948	990	998	983	956
pH [No unit]	25-Nov-24	11:39	6.72	6.98	7.10	7.24	6.95	7.04	7.08
Conductivity [uS/cm]	22-Nov-24	11:28	37	22	18	23	10	13	15

Analysis	12: CV5-WR-HCT-39 Wk#82	13: CV5-WR-HCT-50 Wk#82	14: CV5-WR-HCT-56 Wk#82	15: CV5-WR-HCT-59 Wk#82	16: CV5-WR-HCT-62 Wk#82	17: CV5-WR-HCT-64 Wk#82	18: CV5-WR-HCT-69 Wk#82	19: CV5-ORE-HCT-74 Wk#82	20: CV5-ORE-HCT-76 Wk#82
Sample Date & Time	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24	21-Nov-24
HumCell Leachate Vol [mL]	928	1004	1005	1000	925	1022	1005	1008	923
pH [No unit]	6.41	6.69	7.08	6.43	7.15	7.00	7.08	6.54	6.93
Conductivity [uS/cm]	24	48	32	14	19	10	11	3	9



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003944842

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

10-September-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 22 August 2024
LR Report: **CA10117-AUG24**
Reference: Wk#69

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#69	6: CV5-WR-HCT-5 Wk#69	7: CV5-WR-HCT-5 (DUP) Wk#69	8: CV5-WR-HCT-14 Wk#69	9: CV5-WR-HCT-22 Wk#69	10: CV5-WR-HCT-33 Wk#69
Sample Date & Time			22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24
HumCell Leachate Vol [mL]	23-Aug-24	16:03	924	943	967	939	959	957
pH [No unit]	26-Aug-24	13:07	6.48	6.65	6.62	7.10	6.89	6.81
Conductivity [uS/cm]	23-Aug-24	12:53	31	20	14	22	6	10

Analysis	11: CV5-WR-HCT-36 Wk#69	12: CV5-WR-HCT-39 Wk#69	13: CV5-WR-HCT-50 Wk#69	14: CV5-WR-HCT-56 Wk#69	15: CV5-WR-HCT-59 Wk#69	16: CV5-WR-HCT-62 Wk#69	17: CV5-WR-HCT-64 Wk#69	18: CV5-WR-HCT-69 Wk#69
Sample Date & Time	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24
HumCell Leachate Vol [mL]	940	936	967	950	968	899	1009	997
pH [No unit]	6.80	6.50	6.33	6.85	6.09	6.81	6.64	6.83
Conductivity [uS/cm]	13	18	46	29	14	16	6	11

Analysis	19: CV5-ORE-HCT-74 Wk#69	20: CV5-ORE-HCT-76 Wk#69
Sample Date & Time	22-Aug-24	22-Aug-24
HumCell Leachate Vol [mL]	997	960
pH [No unit]	6.64	7.37
Conductivity [uS/cm]	3	9



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003851289

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

30-October-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 17 October 2024
LR Report: **CA10117-OCT24**
Reference: Wk#77

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#77	6: CV5-WR-HCT-5 Wk#77	7: CV5-WR-HCT-5 (DUP) Wk#77	8: CV5-WR-HCT-14 Wk#77	9: CV5-WR-HCT-22 Wk#77	10: CV5-WR-HCT-33 Wk#77	11: CV5-WR-HCT-36 Wk#77
Sample Date & Time			17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24
HumCell Leachate Vol [mL]	18-Oct-24	16:31	941	958	964	1001	1001	958	970
pH [No unit]	18-Oct-24	11:07	6.64	6.97	6.81	7.35	7.01	7.07	7.03
Conductivity [uS/cm]	18-Oct-24	11:07	36	21	15	26	12	11	14

Analysis	12: CV5-WR-HCT-39 Wk#77	13: CV5-WR-HCT-50 Wk#77	14: CV5-WR-HCT-56 Wk#77	15: CV5-WR-HCT-59 Wk#77	16: CV5-WR-HCT-62 Wk#77	17: CV5-WR-HCT-64 Wk#77	18: CV5-WR-HCT-69 Wk#77	19: CV5-ORE-HCT-74 Wk#77	20: CV5-ORE-HCT-76 Wk#77
Sample Date & Time	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24	17-Oct-24
HumCell Leachate Vol [mL]	927	1003	993	995	1009	1002	1012	967	916
pH [No unit]	6.45	6.68	6.96	6.81	7.16	6.82	7.08	6.50	7.04
Conductivity [uS/cm]	21	50	29	18	19	6	11	3	11



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003910321

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

15-October-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 19 September 2024
LR Report: **CA10119-SEP24**
Reference: Wk#73

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#73	6: CV5-WR-HCT-5 Wk#73	7: CV5-WR-HCT-5 (DUP) Wk#73	8: CV5-WR-HCT-1 4 Wk#73	9: CV5-WR-HCT-2 2 Wk#73	10: CV5-WR-HCT-3 3 Wk#73
Sample Date & Time			19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24
HumCell Leachate Vol [mL]	20-Sep-24	15:21	941	966	950	1000	997	1010
pH [No unit]	03-Oct-24	10:11	6.58	7.04	6.55	7.37	7.02	7.39
Conductivity [uS/cm]	26-Sep-24	14:57	31	20	18	28	8	14

Analysis	11: CV5-WR-HCT-3 6 Wk#73	12: CV5-WR-HCT-3 9 Wk#73	13: CV5-WR-HCT-5 0 Wk#73	14: CV5-WR-HCT-5 6 Wk#73	15: CV5-WR-HCT-5 9 Wk#73	16: CV5-WR-HCT-6 2 Wk#73	17: CV5-WR-HCT-6 4 Wk#73	18: CV5-WR-HCT-6 9 Wk#73
Sample Date & Time	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24
HumCell Leachate Vol [mL]	979	948	994	1010	1004	943	1005	1007
pH [No unit]	7.03	6.46	6.80	7.16	6.33	7.15	6.91	7.00
Conductivity [uS/cm]	15	18	49	31	17	19	11	12

Analysis	19: CV5-ORE-HCT- 74 Wk#73	20: CV5-ORE-HCT- 76 Wk#73
Sample Date & Time	19-Sep-24	19-Sep-24
HumCell Leachate Vol [mL]	1010	981
pH [No unit]	7.32	6.96
Conductivity [uS/cm]	5	12



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003892348

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

01-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 15 February 2024
LR Report: **CA10120-FEB24**
Reference: Wk#42

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#42	6: CV5-DMS-HCT-84 Wk#42
Sample Date & Time			15-Feb-24	15-Feb-24
HumCell Leachate Vol [mL]	23-Feb-24	08:45	1026	987
pH [No unit]	16-Feb-24	11:18	6.23	6.32
Alkalinity [mg/L as CaCO3]	16-Feb-24	11:18	< 2	< 2
Conductivity [uS/cm]	16-Feb-24	11:18	2	< 2
Acidity [mg/L as CaCO3]	20-Feb-24	10:32	2	2
Tot.Reactive P [mg/L]	20-Feb-24	08:20	< 0.03	< 0.03
SO4 [mg/L]	28-Feb-24	10:49	< 2	< 2
Ag [mg/L]	21-Feb-24	15:18	< 0.00005	< 0.00005
Al [mg/L]	21-Feb-24	15:18	0.013	0.012
As [mg/L]	21-Feb-24	15:18	0.0037	0.0022
Ba [mg/L]	21-Feb-24	15:18	< 0.00008	< 0.00008
Be [mg/L]	21-Feb-24	15:18	0.000009	0.000008
B [mg/L]	21-Feb-24	15:18	< 0.002	< 0.002
Bi [mg/L]	21-Feb-24	15:18	0.00002	0.00003
Ca [mg/L]	21-Feb-24	15:18	0.34	0.27
Cd [mg/L]	21-Feb-24	15:18	< 0.000003	< 0.000003
Co [mg/L]	21-Feb-24	15:18	0.000005	0.000009
Cr [mg/L]	21-Feb-24	15:18	< 0.00008	< 0.00008
Cu [mg/L]	21-Feb-24	15:18	< 0.001	< 0.001
Fe [mg/L]	21-Feb-24	15:18	< 0.007	< 0.007
K [mg/L]	21-Feb-24	15:18	0.040	0.037
Li [mg/L]	21-Feb-24	15:18	0.0004	0.0005
Mg [mg/L]	21-Feb-24	15:18	0.008	0.006
Mn [mg/L]	21-Feb-24	15:18	0.00041	0.00084
Mo [mg/L]	21-Feb-24	15:18	< 0.0004	< 0.0004
Na [mg/L]	21-Feb-24	15:18	0.03	0.03
Ni [mg/L]	21-Feb-24	15:18	0.0001	0.0001
Pb [mg/L]	21-Feb-24	15:18	< 0.00009	< 0.00009
Sb [mg/L]	21-Feb-24	15:18	0.0020	0.0010
Se [mg/L]	21-Feb-24	15:18	< 0.00004	< 0.00004
Sn [mg/L]	21-Feb-24	15:18	< 0.00006	< 0.00006
Sr [mg/L]	21-Feb-24	15:18	0.00067	0.00057
Ti [mg/L]	21-Feb-24	15:18	< 0.0001	< 0.0001
Tl [mg/L]	21-Feb-24	15:18	0.000007	0.000009
U [mg/L]	21-Feb-24	15:18	0.00125	0.000923

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10120-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#42	6: CV5-DMS-HCT-84 Wk#42
V [mg/L]	21-Feb-24	15:18	0.00002	0.00002
W [mg/L]	21-Feb-24	15:18	< 0.0002	< 0.0002
Y [mg/L]	21-Feb-24	15:18	< 0.00002	< 0.00002
Zn [mg/L]	21-Feb-24	15:18	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003636843

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

01-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 15 February 2024
LR Report: **CA10121-FEB24**
Reference: Wk#42

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#42	6: CV5-WR-HCT -5 Wk#42	7: CV5-WR-HCT-5 (DUP) Wk#42	8: CV5-WR-HCT -14 Wk#42	9: CV5-WR-HCT -22 Wk#42
Sample Date & Time			15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24
HumCell Leachate Vol [mL]	23-Feb-24	08:45	970	948	994	976	981
pH [No unit]	20-Feb-24	10:57	6.67	6.99	6.95	7.88	6.86
Alkalinity [mg/L as CaCO3]	20-Feb-24	10:59	2	4	3	13	2
Conductivity [uS/cm]	16-Feb-24	11:20	25	17	19	28	6
Acidity [mg/L as CaCO3]	20-Feb-24	10:34	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	20-Feb-24	08:20	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	28-Feb-24	10:50	8	3	< 2	< 2	< 2
Ag [mg/L]	21-Feb-24	15:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	21-Feb-24	15:17	0.020	0.021	0.021	0.105	0.044
As [mg/L]	21-Feb-24	15:17	0.0029	0.149	0.103	0.0340	0.105
Ba [mg/L]	21-Feb-24	15:17	0.00016	0.00030	0.00011	0.00014	0.00012
Be [mg/L]	21-Feb-24	15:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	21-Feb-24	15:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	21-Feb-24	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	21-Feb-24	15:17	3.50	2.36	1.77	5.05	1.02
Cd [mg/L]	21-Feb-24	15:17	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	21-Feb-24	15:17	0.000099	0.000216	0.000173	0.000070	0.000270
Cr [mg/L]	21-Feb-24	15:17	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00019
Cu [mg/L]	21-Feb-24	15:17	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	21-Feb-24	15:17	< 0.007	< 0.007	< 0.007	0.009	0.023
K [mg/L]	21-Feb-24	15:17	0.128	0.054	0.043	0.018	0.012
Li [mg/L]	21-Feb-24	15:17	0.0051	0.0050	0.0044	0.0030	0.0033
Mg [mg/L]	21-Feb-24	15:17	0.178	0.114	0.094	0.176	0.139
Mn [mg/L]	21-Feb-24	15:17	0.00115	0.00115	0.00125	0.00557	0.00107
Mo [mg/L]	21-Feb-24	15:17	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	21-Feb-24	15:17	0.10	0.05	0.04	0.13	0.07
Ni [mg/L]	21-Feb-24	15:17	0.0004	0.0013	0.0008	0.0003	0.0006
Pb [mg/L]	21-Feb-24	15:17	< 0.00009	< 0.00009	< 0.00009	0.00014	< 0.00009
Sb [mg/L]	21-Feb-24	15:17	0.0020	0.0315	0.0162	0.0026	0.0038

OnLine LIMS

0003636863

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10121-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#42	6: CV5-WR-HCT -5 Wk#42	7: CV5-WR-HCT-5 (DUP) Wk#42	8: CV5-WR-HCT -14 Wk#42	9: CV5-WR-HCT -22 Wk#42
Se [mg/L]	21-Feb-24	15:17	0.00010	< 0.00004	< 0.00004	0.00010	< 0.00004
Sn [mg/L]	21-Feb-24	15:17	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	21-Feb-24	15:17	0.00759	0.00389	0.00332	0.00363	0.00308
Ti [mg/L]	21-Feb-24	15:17	< 0.0001	0.00016	< 0.0001	0.00045	0.00086
Tl [mg/L]	21-Feb-24	15:17	< 0.000005	0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	21-Feb-24	15:17	0.000110	0.00173	0.000012	0.00250	0.000119
V [mg/L]	21-Feb-24	15:17	0.00023	0.00041	0.00036	0.00242	0.00084
W [mg/L]	21-Feb-24	15:17	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	21-Feb-24	15:17	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	21-Feb-24	15:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#42	11: CV5-WR-HCT -36 Wk#42	12: CV5-WR-HCT -39 Wk#42	13: CV5-WR-HCT -50 Wk#42	14: CV5-WR-HCT -56 Wk#42	15: CV5-WR-HCT -59 Wk#42	16: CV5-WR-HCT -62 Wk#42
Sample Date & Time	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24
HumCell Leachate Vol [mL]	1022	1011	1011	998	1000	1003	988
pH [No unit]	7.42	7.15	6.70	7.18	7.77	6.64	7.55
Alkalinity [mg/L as CaCO3]	7	5	3	10	8	< 2	7
Conductivity [uS/cm]	17	15	20	59	26	13	21
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	2	< 2
Tot.Reactive P [mg/L]	< 0.03	0.37	< 0.03	< 0.03	< 0.03	0.04	0.16
SO4 [mg/L]	< 2	< 2	6	12	5	3	2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.057	< 0.001	0.012	0.021	0.042	0.006	0.002
As [mg/L]	0.0052	1.26	0.0176	0.0040	0.0117	0.231	0.675
Ba [mg/L]	0.00025	0.00056	0.00017	0.00034	0.00031	0.00017	0.00037
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	< 0.000007
B [mg/L]	< 0.002	0.004	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.94	1.98	2.48	7.66	4.41	1.67	3.04
Cd [mg/L]	< 0.000003	< 0.000003	0.000005	0.000054	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000071	0.000386	0.000122	0.00323	0.000046	0.00106	0.000547
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.035	0.023	0.133	0.195	0.129	0.019	0.011
Li [mg/L]	0.0027	0.0019	0.0056	0.0128	0.0018	0.0016	0.0003
Mg [mg/L]	0.086	0.480	0.262	0.097	0.127	0.285	0.622
Mn [mg/L]	0.00882	0.00140	0.00165	0.0121	0.00847	0.00212	0.00429
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	0.0005	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.09	0.02	0.08	0.11	0.05	0.04	0.02
Ni [mg/L]	0.0002	0.0107	0.0003	0.0023	0.0002	0.0076	0.0085
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0020	0.458	0.0111	0.0212	< 0.0009	0.0042	0.511

OnLine LIMS

0003636863

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10121-FEB24**

Analysis	10: CV5-WR-HCT -33 Wk#42	11: CV5-WR-HCT -36 Wk#42	12: CV5-WR-HCT -39 Wk#42	13: CV5-WR-HCT -50 Wk#42	14: CV5-WR-HCT -56 Wk#42	15: CV5-WR-HCT -59 Wk#42	16: CV5-WR-HCT -62 Wk#42
Se [mg/L]	0.00008	< 0.00004	0.00006	0.00056	0.00005	< 0.00004	0.00007
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00299	0.00229	0.00670	0.00579	0.00357	0.00716	0.00160
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00015	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000007	0.000022	< 0.000005	0.000005	< 0.000005
U [mg/L]	0.000147	0.00122	0.000447	0.00645	0.00296	0.000201	0.00330
V [mg/L]	0.00061	0.00013	0.00027	0.00007	0.00029	0.00035	0.00015
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.010	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#42	18: CV5-WR-HCT -69 Wk#42	19: CV5-ORE-HCT-74 Wk#42	20: CV5-ORE-HCT-76 Wk#42
Sample Date & Time	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24
HumCell Leachate Vol [mL]	1000	1020	1021	996
pH [No unit]	7.09	7.20	6.68	7.27
Alkalinity [mg/L as CaCO3]	4	4	3	7
Conductivity [uS/cm]	6	9	4	16
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.036	0.042	0.016	0.026
As [mg/L]	0.0050	0.0021	0.0080	0.0025
Ba [mg/L]	0.00009	0.00012	0.00012	< 0.00008
Be [mg/L]	0.000012	0.000106	0.000007	0.000022
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00019	< 0.00001	0.00008
Ca [mg/L]	1.20	1.61	0.70	2.35
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000013	0.000012	0.000009	0.000007
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.158	0.038	0.089	0.184
Li [mg/L]	0.0013	0.0011	0.0058	0.0053
Mg [mg/L]	0.033	0.018	0.012	0.081
Mn [mg/L]	0.00414	0.00229	0.0598	0.00081
Mo [mg/L]	< 0.0004	0.0005	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.09	0.11	0.08
Ni [mg/L]	0.0001	< 0.0001	0.0002	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00013	< 0.00009
Sb [mg/L]	0.0013	0.0010	0.0084	0.0010

OnLine LIMS

0003636863

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10121-FEB24**

Analysis	17: CV5-WR-HCT-64 Wk#42	18: CV5-WR-HCT-69 Wk#42	19: CV5-ORE-HCT-74 Wk#42	20: CV5-ORE-HCT-76 Wk#42
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	0.00011	0.00022	< 0.00006
Sr [mg/L]	0.00164	0.00280	0.00103	0.00522
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000040	< 0.000005	0.000027	0.000016
U [mg/L]	0.000467	0.00223	0.000711	0.00124
V [mg/L]	0.00001	0.00005	0.00002	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.004	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003636863

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings- Long - (9.5mm fraction size)

04-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 20 June 2024
LR Report: **CA10123-JUN24**
Reference: Wk#60

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#60	6: CV5-DMS-HCT-84 Wk#60
Sample Date & Time			20-Jun-24	20-Jun-24
HumCell Leachate Vol [mL]	21-Jun-24	09:03	1011	990
pH [No unit]	24-Jun-24	16:40	6.15	6.07
Alkalinity [mg/L as CaCO3]	24-Jun-24	16:40	< 2	< 2
Conductivity [uS/cm]	24-Jun-24	16:40	< 2	< 2
Acidity [mg/L as CaCO3]	26-Jun-24	10:07	2	2
F [mg/L]	21-Jun-24	09:54	< 0.06	< 0.06
Tot.Reactive P [mg/L]	25-Jun-24	08:10	0.20	< 0.03
SO4 [mg/L]	24-Jun-24	13:53	< 2	< 2
Cl [mg/L]	24-Jun-24	13:53	< 1	< 1
NO2 [as N mg/L]	24-Jun-24	10:22	< 0.03	< 0.03
NO3 [as N mg/L]	24-Jun-24	10:22	< 0.06	< 0.06
Br [mg/L]	24-Jun-24	10:22	< 0.3	< 0.3
Hg [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Ag [mg/L]	27-Jun-24	11:52	< 0.00005	< 0.00005
Al [mg/L]	27-Jun-24	11:52	0.008	0.008
As [mg/L]	27-Jun-24	11:52	0.0022	0.0020
Ba [mg/L]	27-Jun-24	11:52	0.00089	< 0.00008
Be [mg/L]	27-Jun-24	11:52	0.000007	0.000013
B [mg/L]	27-Jun-24	11:52	< 0.002	< 0.002
Bi [mg/L]	27-Jun-24	11:52	0.00003	0.00003
Ca [mg/L]	27-Jun-24	11:52	0.31	0.30
Cd [mg/L]	27-Jun-24	11:52	< 0.000003	0.000003
Co [mg/L]	27-Jun-24	11:52	< 0.000004	0.000007
Cr [mg/L]	27-Jun-24	11:52	< 0.00008	< 0.00008
Cu [mg/L]	27-Jun-24	11:52	< 0.001	< 0.001
Fe [mg/L]	27-Jun-24	11:52	< 0.007	< 0.007
K [mg/L]	27-Jun-24	11:52	0.038	0.033
Li [mg/L]	27-Jun-24	11:52	0.0005	0.0005
Mg [mg/L]	27-Jun-24	11:52	0.010	0.011

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10123-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#60	6: CV5-DMS-HCT-84 Wk#60
Mn [mg/L]	27-Jun-24	11:52	0.00139	0.00199
Mo [mg/L]	27-Jun-24	11:52	< 0.0004	< 0.0004
Na [mg/L]	27-Jun-24	11:52	0.02	< 0.01
Ni [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Pb [mg/L]	27-Jun-24	11:52	< 0.00009	< 0.00009
Sb [mg/L]	27-Jun-24	11:52	0.0011	0.0010
Se [mg/L]	27-Jun-24	11:52	< 0.00004	< 0.00004
Sn [mg/L]	27-Jun-24	11:52	< 0.00006	< 0.00006
Sr [mg/L]	27-Jun-24	11:52	0.00067	0.00060
Ti [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Tl [mg/L]	27-Jun-24	11:52	0.000009	0.000008
U [mg/L]	27-Jun-24	11:52	0.000497	0.000630
V [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
W [mg/L]	27-Jun-24	11:52	< 0.0002	< 0.0002
Y [mg/L]	27-Jun-24	11:52	< 0.00002	< 0.00002
Zn [mg/L]	27-Jun-24	11:52	< 0.002	< 0.002
Au (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Ce (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Cs (tot) [mg/L]	27-Jun-24	11:52	0.0013	0.0014
Dy (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Er (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Eu (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Ga (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Gd (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Ge (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Hf (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Ho (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
In (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Ir (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
La (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Lu (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Nb (tot) [mg/L]	27-Jun-24	11:52	0.00001	< 0.00001
Nd (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Os (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Pd (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Pr (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Pt (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Rb (tot) [mg/L]	27-Jun-24	11:52	0.0034	0.0032
Re (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Rh (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Sc (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Sm (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Ta (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Tb (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Te (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001

OnLine LIMS

0003769313

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10123-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#60	6: CV5-DMS-HCT-84 Wk#60
Th (tot) [mg/L]	27-Jun-24	11:52	< 0.0001	< 0.0001
Tm (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001
Yb (tot) [mg/L]	27-Jun-24	11:52	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003769313

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

04-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,, Montreal
Canada, H3A 1Z4
Phone: 647-782-7386, Fax:

Date Rec. : 20 June 2024
LR Report: **CA10124-JUN24**
Reference: Wk#60

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#60	6: CV5-WR-HCT -5 Wk#60	7: CV5-WR-HCT- 5 (DUP) Wk#60	8: CV5-WR-HCT -14 Wk#60	9: CV5-WR-HCT -22 Wk#60
Sample Date & Time			20-Jun-24	20-Jun-24	20-Jun-24	20-Jun-24	20-Jun-24
HumCell Leachate Vol [mL]	21-Jun-24	09:03	951	948	953	991	1006
pH [No unit]	25-Jun-24	14:47	6.62	7.18	6.85	7.42	6.84
Alkalinity [mg/L as CaCO3]	25-Jun-24	09:01	2	5	3	13	2
Conductivity [uS/cm]	25-Jun-24	09:01	31	20	12	26	8
Acidity [mg/L as CaCO3]	26-Jun-24	10:10	< 2	< 2	< 2	< 2	< 2
F [mg/L]	21-Jun-24	09:54	< 0.06	0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	21-Jun-24	09:56	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	24-Jun-24	13:54	10	4	3	< 2	< 2
Cl [mg/L]	24-Jun-24	13:54	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	24-Jun-24	10:22	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	24-Jun-24	10:22	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	24-Jun-24	10:22	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	27-Jun-24	11:53	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	27-Jun-24	11:53	0.019	0.021	0.022	0.088	0.016
As [mg/L]	27-Jun-24	11:53	0.0023	0.135	0.0856	0.0242	0.0800
Ba [mg/L]	27-Jun-24	11:53	0.00021	0.00017	0.00016	0.00014	0.00013
Be [mg/L]	27-Jun-24	11:53	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	27-Jun-24	11:53	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	27-Jun-24	11:53	5.11	2.99	2.08	4.95	1.37
Cd [mg/L]	27-Jun-24	11:53	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	27-Jun-24	11:53	0.000127	0.000170	0.000185	0.000203	0.000119
Cr [mg/L]	27-Jun-24	11:53	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	27-Jun-24	11:53	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	27-Jun-24	11:53	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	27-Jun-24	11:53	0.117	0.053	0.045	0.023	0.018
Li [mg/L]	27-Jun-24	11:53	0.0041	0.0048	0.0039	0.0029	0.0035
Mg [mg/L]	27-Jun-24	11:53	0.205	0.124	0.100	0.165	0.159

OnLine LIMS

00037693S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10124-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#60	6: CV5-WR-HCT -5 Wk#60	7: CV5-WR-HCT-5 (DUP) Wk#60	8: CV5-WR-HCT -14 Wk#60	9: CV5-WR-HCT -22 Wk#60
Mn [mg/L]	27-Jun-24	11:53	0.00166	0.00099	0.00125	0.00536	0.00043
Mo [mg/L]	27-Jun-24	11:53	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	27-Jun-24	11:53	0.09	0.03	0.03	0.11	0.05
Ni [mg/L]	27-Jun-24	11:53	0.0006	0.0014	0.0010	0.0005	0.0005
Pb [mg/L]	27-Jun-24	11:53	< 0.00009	< 0.00009	< 0.00009	0.00014	< 0.00009
Sb [mg/L]	27-Jun-24	11:53	0.0017	0.0258	0.0129	0.0025	0.0032
Se [mg/L]	27-Jun-24	11:53	0.00011	< 0.00004	< 0.00004	0.00005	< 0.00004
Sn [mg/L]	27-Jun-24	11:53	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	27-Jun-24	11:53	0.00819	0.00385	0.00315	0.00333	0.00385
Ti [mg/L]	27-Jun-24	11:53	< 0.0001	0.00011	0.00014	0.00011	0.00016
Tl [mg/L]	27-Jun-24	11:53	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	27-Jun-24	11:53	0.000057	0.000012	0.000011	0.000017	0.000119
V [mg/L]	27-Jun-24	11:53	0.00016	0.00035	0.00030	0.00185	0.00078
W [mg/L]	27-Jun-24	11:53	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	27-Jun-24	11:53	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	27-Jun-24	11:53	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	27-Jun-24	11:53	0.0052	0.0062	0.0060	0.0013	0.0030
Dy (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	27-Jun-24	11:53	0.0027	0.0022	0.0020	0.0003	0.0010
Re (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

00037693S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10124-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#60	6: CV5-WR-HCT -5 Wk#60	7: CV5-WR-HCT-5 (DUP) Wk#60	8: CV5-WR-HCT -14 Wk#60	9: CV5-WR-HCT -22 Wk#60
Th (tot) [mg/L]	27-Jun-24	11:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	27-Jun-24	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#60	11: CV5-WR-HCT -36 Wk#60	12: CV5-WR-HCT -39 Wk#60	13: CV5-WR-HCT -50 Wk#60	14: CV5-WR-HCT -56 Wk#60	15: CV5-WR-HCT -59 Wk#60	16: CV5-WR-HCT -62 Wk#60
Sample Date & Time	20-Jun-24	20-Jun-24	20-Jun-24	20-Jun-24	20-Jun-24	20-Jun-24	20-Jun-24
HumCell Leachate Vol [mL]	977	973	939	995	1002	1006	943
pH [No unit]	7.09	7.06	6.39	7.05	6.93	6.17	7.14
Alkalinity [mg/L as CaCO3]	4	5	< 2	6	6	< 2	6
Conductivity [uS/cm]	10	14	19	48	30	14	18
Acidity [mg/L as CaCO3]	< 2	< 2	2	10	< 2	5	< 2
F [mg/L]	< 0.06	< 0.06	0.17	0.52	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.20	< 0.03	< 0.03	< 0.03	< 0.03	0.09
SO4 [mg/L]	< 2	< 2	6	9	6	3	2
Cl [mg/L]	< 1	< 1	< 1	6	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.072	0.002	0.009	0.020	0.034	0.002	< 0.001
As [mg/L]	0.0037	0.842	0.0118	0.0025	0.0081	0.144	0.477
Ba [mg/L]	0.00016	0.00051	0.00022	0.00047	0.00040	0.00018	0.00035
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.95	2.11	2.73	8.17	4.99	1.71	2.66
Cd [mg/L]	< 0.000003	< 0.000003	0.000008	0.000080	< 0.000003	0.000005	< 0.000003
Co [mg/L]	0.000052	0.000355	0.000130	0.00640	0.000060	0.00330	0.000511
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.009	< 0.007
K [mg/L]	0.026	0.030	0.122	0.122	0.116	0.019	0.018
Li [mg/L]	0.0017	0.0018	0.0052	0.0073	0.0017	0.0015	0.0005
Mg [mg/L]	0.057	0.513	0.260	0.090	0.141	0.299	0.749
Mn [mg/L]	0.00604	0.00176	0.00181	0.0113	0.00549	0.00538	0.00256
Mo [mg/L]	< 0.0004	0.0005	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.06	0.01	0.07	0.09	0.07	0.02	0.04
Ni [mg/L]	0.0002	0.0068	0.0004	0.0053	0.0003	0.0284	0.0070
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.349	0.0068	0.0110	< 0.0009	0.0032	0.321
Se [mg/L]	0.00005	< 0.00004	0.00005	0.00060	0.00005	< 0.00004	0.00005

OnLine LIMS

00037693S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10124-JUN24**

Analysis	10: CV5-WR-HCT -33 Wk#60	11: CV5-WR-HCT -36 Wk#60	12: CV5-WR-HCT -39 Wk#60	13: CV5-WR-HCT -50 Wk#60	14: CV5-WR-HCT -56 Wk#60	15: CV5-WR-HCT -59 Wk#60	16: CV5-WR-HCT -62 Wk#60
Sn [mg/L]	< 0.00006	0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00181	0.00203	0.00647	0.00463	0.00446	0.00655	0.00161
Ti [mg/L]	0.00015	< 0.0001	0.00016	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000026	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000009	0.000017	0.000176	0.00163	0.000359	0.000002	0.000035
V [mg/L]	0.00046	0.00011	0.00018	0.00002	0.00022	0.00016	0.00010
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.022	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0017	0.0085	0.0015	0.0358	0.0165	0.0074	0.0022
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0015	0.0015	0.0067	0.0007	0.0018	0.0010
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

00037693S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10124-JUN24**

Analysis	17: CV5-WR-HCT-64 Wk#60	18: CV5-WR-HCT-69 Wk#60	19: CV5-ORE-HCT-74 Wk#60	20: CV5-ORE-HCT-76 Wk#60
Sample Date & Time	20-Jun-24	20-Jun-24	20-Jun-24	20-Jun-24
HumCell Leachate Vol [mL]	1009	1008	1001	980
pH [No unit]	6.90	7.14	6.44	7.07
Alkalinity [mg/L as CaCO3]	4	5	< 2	5
Conductivity [uS/cm]	8	11	3	12
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.024	0.055	0.018	0.029
As [mg/L]	0.0040	0.0032	0.0067	0.0014
Ba [mg/L]	0.00008	0.00017	0.00008	0.00011
Be [mg/L]	0.000007	0.000074	< 0.000007	0.000038
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00018	< 0.00001	0.00010
Ca [mg/L]	1.54	2.24	0.47	1.96
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	0.000003
Co [mg/L]	0.000007	0.000007	< 0.000004	0.000013
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	0.004	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.134	0.053	0.079	0.149
Li [mg/L]	0.0012	0.0011	0.0055	0.0047
Mg [mg/L]	0.037	0.028	0.012	0.070
Mn [mg/L]	0.00565	0.00261	0.0555	0.00069
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.12	0.07	0.07
Ni [mg/L]	0.0001	0.0002	0.0003	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0009	0.0012	0.0066	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00186	0.00385	0.00090	0.00387
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000029	< 0.000005	0.000031	0.000014
U [mg/L]	0.000315	0.00272	0.000365	0.000632
V [mg/L]	0.00001	0.00004	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

00037693S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10124-JUN24**

Analysis	17: CV5-WR-HCT-64 Wk#60	18: CV5-WR-HCT-69 Wk#60	19: CV5-ORE-HCT-74 Wk#60	20: CV5-ORE-HCT-76 Wk#60
Zn [mg/L]	< 0.002	0.007	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0059	0.0015	0.0102	0.0040
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00001	< 0.00001	0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0123	0.0031	0.0115	0.0059
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003769352

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-December-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

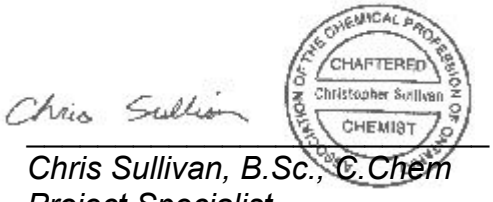
Date Rec. : 19 December 2024
LR Report: **CA10125-DEC24**
Reference: Wk#86

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	HumCell Leachate Vol mL	pH No unit	Conductivity uS/cm
3: Analysis Completed Date		20-Dec-24	24-Dec-24	24-Dec-24
4: Analysis Completed Time		12:58	11:45	11:47
5: CV5-WR-HCT-2 Wk#86	19-Dec-24	956	6.72	33
6: CV5-WR-HCT-5 Wk#86	19-Dec-24	958	6.97	21
7: CV5-WR-HCT-5 (DUP) Wk#86	19-Dec-24	969	7.22	15
8: CV5-WR-HCT-14 Wk#86	19-Dec-24	1015	7.39	27
9: CV5-WR-HCT-22 Wk#86	19-Dec-24	1007	6.93	8
10: CV5-WR-HCT-33 Wk#86	19-Dec-24	1045	7.33	17
11: CV5-WR-HCT-36 Wk#86	19-Dec-24	1015	7.09	16
12: CV5-WR-HCT-39 Wk#86	19-Dec-24	1057	6.97	19
13: CV5-WR-HCT-50 Wk#86	19-Dec-24	1022	6.58	50
14: CV5-WR-HCT-56 Wk#86	19-Dec-24	1010	7.25	32
15: CV5-WR-HCT-59 Wk#86	19-Dec-24	980	6.18	16
16: CV5-WR-HCT-62 Wk#86	19-Dec-24	971	7.05	21
17: CV5-WR-HCT-64 Wk#86	19-Dec-24	1013	7.29	6
18: CV5-WR-HCT-69 Wk#86	19-Dec-24	1012	7.10	9
19: CV5-ORE-HCT-74 Wk#86	19-Dec-24	1046	6.32	4
20: CV5-ORE-HCT-76 Wk#86	19-Dec-24	1053	7.05	16



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003973404

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

29-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 18 April 2024
LR Report: **CA10136-APR24**
Reference: Wk#51

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#51	6: CV5-DMS-HCT-84 Wk#51
Sample Date & Time			18-Apr-24	18-Apr-24
HumCell Leachate Vol [mL]	18-Apr-24	16:36	999	989
pH [No unit]	19-Apr-24	12:51	6.12	6.11
Alkalinity [mg/L as CaCO3]	19-Apr-24	12:51	< 2	< 2
Conductivity [uS/cm]	19-Apr-24	12:51	< 2	2
Acidity [mg/L as CaCO3]	19-Apr-24	12:51	2	2
Tot.Reactive P [mg/L]	19-Apr-24	11:19	< 0.03	< 0.03
SO4 [mg/L]	26-Apr-24	16:25	< 2	< 2
Ag [mg/L]	25-Apr-24	15:50	< 0.00005	< 0.00005
Al [mg/L]	25-Apr-24	15:50	0.008	0.008
As [mg/L]	25-Apr-24	15:50	0.0028	0.0020
Ba [mg/L]	25-Apr-24	15:50	< 0.00008	< 0.00008
Be [mg/L]	25-Apr-24	15:50	< 0.000007	0.000011
B [mg/L]	25-Apr-24	15:50	< 0.002	< 0.002
Bi [mg/L]	25-Apr-24	15:50	0.00002	0.00003
Ca [mg/L]	25-Apr-24	15:50	0.30	0.31
Cd [mg/L]	25-Apr-24	15:50	< 0.000003	< 0.000003
Co [mg/L]	25-Apr-24	15:50	< 0.000004	0.000005
Cr [mg/L]	25-Apr-24	15:50	< 0.00008	< 0.00008
Cu [mg/L]	25-Apr-24	15:50	< 0.001	< 0.001
Fe [mg/L]	25-Apr-24	15:50	< 0.007	< 0.007
K [mg/L]	25-Apr-24	15:50	0.043	0.041
Li [mg/L]	25-Apr-24	15:50	0.0004	0.0004
Mg [mg/L]	25-Apr-24	15:51	0.010	0.011
Mn [mg/L]	25-Apr-24	15:51	0.00077	0.00132
Mo [mg/L]	25-Apr-24	15:51	< 0.0004	< 0.0004
Na [mg/L]	25-Apr-24	15:51	0.02	0.03
Ni [mg/L]	25-Apr-24	15:51	< 0.0001	< 0.0001
Pb [mg/L]	25-Apr-24	15:51	< 0.00009	< 0.00009
Sb [mg/L]	25-Apr-24	15:51	0.0012	0.0011
Se [mg/L]	25-Apr-24	15:51	< 0.00004	< 0.00004
Sn [mg/L]	25-Apr-24	15:51	< 0.00006	< 0.00006
Sr [mg/L]	25-Apr-24	15:51	0.00066	0.00066
Ti [mg/L]	25-Apr-24	15:51	< 0.0001	< 0.0001
Tl [mg/L]	25-Apr-24	15:51	0.000008	0.000009
U [mg/L]	25-Apr-24	15:51	0.000508	0.000683

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003696009

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10136-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#51	6: CV5-DMS-HCT-84 Wk#51
V [mg/L]	25-Apr-24	15:51	0.00001	< 0.00001
W [mg/L]	25-Apr-24	15:51	< 0.0002	< 0.0002
Y [mg/L]	25-Apr-24	15:51	< 0.00002	< 0.00002
Zn [mg/L]	25-Apr-24	15:51	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003696009

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-September-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 12 September 2024
LR Report: **CA10075-SEP24**
Reference: Wk#72

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#72	6: CV5-WR-HCT -5 Wk#72	7: CV5-WR-HCT- 5 (DUP) Wk#72	8: CV5-WR-HCT -14 Wk#72	9: CV5-WR-HCT -22 Wk#72
Sample Date & Time			12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24
HumCell Leachate Vol [mL]	16-Sep-24	13:08	934	960	963	1007	983
pH [No unit]	13-Sep-24	11:23	6.67	6.97	6.76	7.49	6.71
Alkalinity [mg/L as CaCO3]	13-Sep-24	11:22	3	4	2	12	2
Conductivity [uS/cm]	13-Sep-24	11:23	28	17	12	24	7
Acidity [mg/L as CaCO3]	13-Sep-24	11:22	< 2	< 2	< 2	< 2	< 2
F [mg/L]	16-Sep-24	10:18	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	17-Sep-24	09:26	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	13-Sep-24	13:26	9	3	2	< 2	< 2
Cl [mg/L]	13-Sep-24	13:26	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	17-Sep-24	09:42	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	17-Sep-24	09:42	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	17-Sep-24	09:42	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	16-Sep-24	15:26	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	23-Sep-24	08:31	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	23-Sep-24	08:31	0.014	0.022	0.017	0.069	0.014
As [mg/L]	23-Sep-24	08:31	0.0013	0.0981	0.0733	0.0187	0.0680
Ba [mg/L]	23-Sep-24	08:31	0.00028	0.00012	0.00013	0.00015	0.00009
Be [mg/L]	23-Sep-24	08:31	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	23-Sep-24	08:31	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	23-Sep-24	08:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	23-Sep-24	08:31	4.81	3.35	2.21	4.98	1.32
Cd [mg/L]	23-Sep-24	08:31	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	23-Sep-24	08:31	0.000126	0.000203	0.000144	0.000178	0.000104
Cr [mg/L]	23-Sep-24	08:31	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	23-Sep-24	08:31	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	23-Sep-24	08:31	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	23-Sep-24	08:31	0.109	0.054	0.046	0.024	0.024
Li [mg/L]	23-Sep-24	08:31	0.0032	0.0042	0.0035	0.0024	0.0030
Mg [mg/L]	23-Sep-24	08:31	0.161	0.107	0.090	0.130	0.161

OnLine LIMS

0003872679

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10075-SEP24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#72	6: CV5-WR-HCT -5 Wk#72	7: CV5-WR-HCT-5 (DUP) Wk#72	8: CV5-WR-HCT -14 Wk#72	9: CV5-WR-HCT -22 Wk#72
Mn [mg/L]	23-Sep-24	08:31	0.00144	0.00115	0.00078	0.00508	0.00031
Mo [mg/L]	23-Sep-24	08:31	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	23-Sep-24	08:31	0.08	0.05	0.04	0.10	0.06
Ni [mg/L]	23-Sep-24	08:31	0.0004	0.0012	0.0006	0.0003	0.0002
Pb [mg/L]	23-Sep-24	08:31	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	23-Sep-24	08:31	0.0012	0.0223	0.0115	0.0021	0.0028
Se [mg/L]	23-Sep-24	08:31	0.00010	< 0.00004	< 0.00004	0.00006	< 0.00004
Sn [mg/L]	23-Sep-24	08:31	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	23-Sep-24	08:31	0.00614	0.00304	0.00272	0.00263	0.00293
Ti [mg/L]	23-Sep-24	08:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00013
Tl [mg/L]	23-Sep-24	08:31	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	23-Sep-24	08:31	0.000044	0.000018	0.000027	0.000020	0.000115
V [mg/L]	23-Sep-24	08:31	0.00012	0.00028	0.00026	0.00136	0.00069
W [mg/L]	23-Sep-24	08:31	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	23-Sep-24	08:31	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	23-Sep-24	08:31	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	25-Sep-24	09:38	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	23-Sep-24	08:31	0.0050	0.0062	0.0060	0.0012	0.0029
Dy (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	26-Sep-24	13:23	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	23-Sep-24	08:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	23-Sep-24	08:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	25-Sep-24	09:39	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	26-Sep-24	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	23-Sep-24	08:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	25-Sep-24	09:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	25-Sep-24	09:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	25-Sep-24	09:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	23-Sep-24	08:31	0.0026	0.0021	0.0018	0.0003	0.0009
Re (tot) [mg/L]	25-Sep-24	09:39	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	25-Sep-24	09:39	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	26-Sep-24	13:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	23-Sep-24	08:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	23-Sep-24	08:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0003872679

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10075-SEP24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#72	6: CV5-WR-HCT -5 Wk#72	7: CV5-WR-HCT-5 (DUP) Wk#72	8: CV5-WR-HCT -14 Wk#72	9: CV5-WR-HCT -22 Wk#72
Th (tot) [mg/L]	23-Sep-24	08:31	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	26-Sep-24	13:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#72	11: CV5-WR-HCT -36 Wk#72	12: CV5-WR-HCT -39 Wk#72	13: CV5-WR-HCT -50 Wk#72	14: CV5-WR-HCT -56 Wk#72	15: CV5-WR-HCT -59 Wk#72	16: CV5-WR-HCT -62 Wk#72
Sample Date & Time	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24
HumCell Leachate Vol [mL]	997	953	936	994	997	1005	924
pH [No unit]	7.22	7.00	6.21	6.56	7.14	6.07	7.07
Alkalinity [mg/L as CaCO3]	6	4	< 2	2	6	< 2	5
Conductivity [uS/cm]	12	11	17	47	26	15	16
Acidity [mg/L as CaCO3]	< 2	< 2	2	13	< 2	5	< 2
F [mg/L]	< 0.06	< 0.06	0.19	0.59	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.20	< 0.03	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	5	11	6	4	< 2
Cl [mg/L]	< 1	< 1	< 1	4	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.047	0.001	0.007	0.031	0.029	0.002	< 0.001
As [mg/L]	0.0030	0.704	0.0095	0.0008	0.0050	0.0943	0.353
Ba [mg/L]	0.00018	0.00028	0.00018	0.00037	0.00040	0.00017	0.00021
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000042	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.54	1.82	2.64	7.70	4.97	2.18	2.32
Cd [mg/L]	< 0.000003	< 0.000003	0.000020	0.000318	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000049	0.000290	0.000191	0.0226	0.000070	0.00373	0.000404
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.050	< 0.007	0.013	< 0.007
K [mg/L]	0.035	0.037	0.116	0.113	0.097	0.026	0.021
Li [mg/L]	0.0016	0.0011	0.0044	0.0079	0.0012	0.0012	0.0002
Mg [mg/L]	0.055	0.435	0.214	0.130	0.107	0.299	0.685
Mn [mg/L]	0.00574	0.00110	0.00255	0.0199	0.00561	0.00629	0.00205
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.08	0.02	0.09	0.10	0.06	0.04	0.02
Ni [mg/L]	< 0.0001	0.0045	0.0006	0.0304	0.0001	0.0387	0.0050
Pb [mg/L]	< 0.00009	< 0.00009	0.00111	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.224	0.0054	0.0053	< 0.0009	0.0024	0.254
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	0.00056	< 0.00004	0.00004	0.00006

OnLine LMS

0003872679

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10075-SEP24**

Analysis	10: CV5-WR-HCT -33 Wk#72	11: CV5-WR-HCT -36 Wk#72	12: CV5-WR-HCT -39 Wk#72	13: CV5-WR-HCT -50 Wk#72	14: CV5-WR-HCT -56 Wk#72	15: CV5-WR-HCT -59 Wk#72	16: CV5-WR-HCT -62 Wk#72
Sn [mg/L]	< 0.00006	< 0.00006	0.00006	< 0.00006	0.00008	< 0.00006	< 0.00006
Sr [mg/L]	0.00203	0.00129	0.00503	0.00372	0.00296	0.00642	0.00095
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000006	0.000035	< 0.000005	0.000008	< 0.000005
U [mg/L]	0.000013	0.000015	0.000115	0.000707	0.000301	0.000006	0.000081
V [mg/L]	0.00038	0.00011	0.00016	< 0.00001	0.00016	0.00011	0.00007
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.003	0.130	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00008	0.00018	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0020	0.0088	0.0015	0.0353	0.0156	0.0079	0.0021
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00001	0.00007	0.00015	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00005	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0004	0.0015	0.0014	0.0064	0.0006	0.0018	0.0010
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0003872679

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10075-SEP24**

Analysis	17: CV5-WR-HCT-64 Wk#72	18: CV5-WR-HCT-69 Wk#72	19: CV5-ORE-HCT-74 Wk#72	20: CV5-ORE-HCT-76 Wk#72
Sample Date & Time	12-Sep-24	12-Sep-24	12-Sep-24	12-Sep-24
HumCell Leachate Vol [mL]	1002	1003	1000	987
pH [No unit]	6.79	7.14	6.28	6.99
Alkalinity [mg/L as CaCO3]	2	5	< 2	4
Conductivity [uS/cm]	7	10	2	10
Acidity [mg/L as CaCO3]	< 2	< 2	2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.016	0.056	0.010	0.021
As [mg/L]	0.0033	0.0023	0.0050	0.0012
Ba [mg/L]	< 0.00008	0.00013	< 0.00008	0.00010
Be [mg/L]	< 0.000007	0.000071	< 0.000007	0.000027
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00019	< 0.00001	0.00006
Ca [mg/L]	1.33	2.29	0.43	2.12
Cd [mg/L]	< 0.000003	0.000003	0.000004	< 0.000003
Co [mg/L]	< 0.000004	0.000006	0.000007	0.000009
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.124	0.053	0.068	0.157
Li [mg/L]	0.0008	0.0008	0.0047	0.0044
Mg [mg/L]	0.025	0.018	0.008	0.060
Mn [mg/L]	0.00588	0.00228	0.0463	0.00054
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.10	0.07	0.06
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0049	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	0.00009	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00135	0.00307	0.00074	0.00354
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000028	0.000005	0.000026	0.000013
U [mg/L]	0.000162	0.00209	0.000292	0.000558
V [mg/L]	0.00002	0.00004	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LMS

0003872679

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10075-SEP24**

Analysis	17: CV5-WR-HCT-64 Wk#72	18: CV5-WR-HCT-69 Wk#72	19: CV5-ORE-HCT-74 Wk#72	20: CV5-ORE-HCT-76 Wk#72
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0057	0.0015	0.0096	0.0037
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00002	0.00002	0.00004
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0118	0.0029	0.0097	0.0059
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003872679

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 18 April 2024
LR Report: **CA10137-APR24**
Reference: Wk#51

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#51	6: CV5-WR-HCT -5 Wk#51	7: CV5-WR-HCT- 5 (DUP) Wk#51	8: CV5-WR-HCT -14 Wk#51	9: CV5-WR-HCT -22 Wk#51
Sample Date & Time			18-Apr-24	18-Apr-24	18-Apr-24	18-Apr-24	18-Apr-24
HumCell Leachate Vol [mL]	18-Apr-24	16:36	978	950	977	971	1015
pH [No unit]	23-Apr-24	10:06	6.61	6.81	6.73	7.52	6.89
Alkalinity [mg/L as CaCO3]	23-Apr-24	10:05	2	3	3	12	4
Conductivity [uS/cm]	23-Apr-24	10:05	30	18	13	29	12
Acidity [mg/L as CaCO3]	22-Apr-24	10:39	<2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	19-Apr-24	11:19	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	26-Apr-24	16:25	10	3	2	< 2	< 2
Ag [mg/L]	25-Apr-24	15:48	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	25-Apr-24	15:48	0.017	0.019	0.019	0.082	0.016
As [mg/L]	25-Apr-24	15:48	0.0023	0.132	0.0957	0.0285	0.0854
Ba [mg/L]	25-Apr-24	15:48	0.00017	0.00019	0.00011	0.00024	< 0.00008
Be [mg/L]	25-Apr-24	15:48	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	25-Apr-24	15:48	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	25-Apr-24	15:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	25-Apr-24	15:48	4.37	2.70	2.03	4.46	1.74
Cd [mg/L]	25-Apr-24	15:48	0.000004	0.000008	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	25-Apr-24	15:49	0.000101	0.000193	0.000161	0.000042	0.000108
Cr [mg/L]	25-Apr-24	15:49	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	25-Apr-24	15:49	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	25-Apr-24	15:49	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	25-Apr-24	15:49	0.125	0.078	0.046	0.022	0.025
Li [mg/L]	25-Apr-24	15:49	0.0044	0.0054	0.0041	0.0027	0.0038
Mg [mg/L]	25-Apr-24	15:49	0.196	0.132	0.100	0.146	0.192
Mn [mg/L]	25-Apr-24	15:49	0.00092	0.00090	0.00081	0.00420	0.00037
Mo [mg/L]	25-Apr-24	15:49	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	25-Apr-24	15:49	0.10	0.05	0.04	0.11	0.07
Ni [mg/L]	25-Apr-24	15:49	0.0003	0.0013	0.0007	0.0001	0.0003
Pb [mg/L]	25-Apr-24	15:49	0.00011	0.00013	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	25-Apr-24	15:49	0.0016	0.0298	0.0154	0.0027	0.0039

OnLine LMS

0003696013

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10137-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#51	6: CV5-WR-HCT -5 Wk#51	7: CV5-WR-HCT- 5 (DUP) Wk#51	8: CV5-WR-HCT -14 Wk#51	9: CV5-WR-HCT -22 Wk#51
Se [mg/L]	25-Apr-24	15:49	0.00011	< 0.00004	< 0.00004	0.00008	0.00004
Sn [mg/L]	25-Apr-24	15:49	< 0.00006	< 0.00006	< 0.00006	0.00011	< 0.00006
Sr [mg/L]	25-Apr-24	15:49	0.00766	0.00406	0.00341	0.00297	0.00442
Ti [mg/L]	25-Apr-24	15:49	< 0.0001	< 0.0001	< 0.0001	0.00011	< 0.0001
Tl [mg/L]	25-Apr-24	15:49	< 0.000005	< 0.000005	0.000005	< 0.000005	< 0.000005
U [mg/L]	25-Apr-24	15:50	0.000063	0.000012	0.000031	0.000016	0.000135
V [mg/L]	25-Apr-24	15:50	0.00019	0.00031	0.00031	0.00174	0.00075
W [mg/L]	25-Apr-24	15:50	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	25-Apr-24	15:50	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	25-Apr-24	15:50	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#51	11: CV5-WR-HCT -36 Wk#51	12: CV5-WR-HCT -39 Wk#51	13: CV5-WR-HCT -50 Wk#51	14: CV5-WR-HCT -56 Wk#51	15: CV5-WR-HCT -59 Wk#51	16: CV5-WR-HCT -62 Wk#51
Sample Date & Time	18-Apr-24	18-Apr-24	18-Apr-24	18-Apr-24	18-Apr-24	18-Apr-24	18-Apr-24
HumCell Leachate Vol [mL]	1012	996	977	1008	984	997	933
pH [No unit]	7.24	7.12	6.47	7.12	7.55	6.22	7.16
Alkalinity [mg/L as CaCO3]	7	7	2	9	6	< 2	6
Conductivity [uS/cm]	16	20	19	52	29	14	21
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	3	< 2	4	< 2
Tot.Reactive P [mg/L]	< 0.03	0.35	< 0.03	< 0.03	< 0.03	< 0.03	0.09
SO4 [mg/L]	< 2	< 2	5	4	6	3	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.049	0.002	0.007	0.031	0.033	0.002	< 0.001
As [mg/L]	0.0040	1.36	0.0133	0.0029	0.0087	0.136	0.534
Ba [mg/L]	0.00013	0.00051	0.00027	0.00020	0.00027	0.00015	0.00031
Be [mg/L]	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.83	2.63	2.24	5.74	4.50	1.73	2.74
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	0.000033	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000075	0.000582	0.000093	0.00261	0.000050	0.00222	0.000483
Cr [mg/L]	< 0.00008	0.00016	< 0.00008	< 0.00008	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.044	0.049	0.107	0.132	0.123	0.037	0.029
Li [mg/L]	0.0023	0.0020	0.0046	0.0083	0.0016	0.0013	0.0003
Mg [mg/L]	0.070	0.584	0.223	0.057	0.125	0.289	0.700
Mn [mg/L]	0.00914	0.00207	0.00127	0.00745	0.00548	0.00419	0.00263
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.07	0.02	0.08	0.09	0.05	0.04	0.01
Ni [mg/L]	< 0.0001	0.0119	0.0002	0.0018	< 0.0001	0.0161	0.0070
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0012	0.415	0.0085	0.0128	< 0.0009	0.0030	0.369

OnLine LMS

0003696013

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10137-APR24**

Analysis	10: CV5-WR-HCT -33 Wk#51	11: CV5-WR-HCT -36 Wk#51	12: CV5-WR-HCT -39 Wk#51	13: CV5-WR-HCT -50 Wk#51	14: CV5-WR-HCT -56 Wk#51	15: CV5-WR-HCT -59 Wk#51	16: CV5-WR-HCT -62 Wk#51
Se [mg/L]	0.00007	0.00007	0.00007	0.00041	0.00004	< 0.00004	0.00006
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00264	0.00259	0.00541	0.00340	0.00398	0.00662	0.00142
Ti [mg/L]	0.00011	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000006	0.000021	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000060	0.000019	0.000191	0.000879	0.000278	0.000015	0.000037
V [mg/L]	0.00044	0.00017	0.00019	0.00004	0.00022	0.00018	0.00011
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.007	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#51	18: CV5-WR-HCT -69 Wk#51	19: CV5-ORE-HCT-74 Wk#51	20: CV5-ORE-HCT-76 Wk#51
Sample Date & Time	18-Apr-24	18-Apr-24	18-Apr-24	18-Apr-24
HumCell Leachate Vol [mL]	993	998	1012	997
pH [No unit]	7.31	7.08	6.50	7.06
Alkalinity [mg/L as CaCO3]	4	5	2	7
Conductivity [uS/cm]	9	12	3	16
Acidity [mg/L as CaCO3]	< 2	< 2	<2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.026	0.043	0.009	0.026
As [mg/L]	0.0058	0.0026	0.0066	0.0021
Ba [mg/L]	0.00021	0.00009	< 0.00008	< 0.00008
Be [mg/L]	0.000011	0.000079	0.000010	0.000028
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00022	< 0.00001	0.00008
Ca [mg/L]	1.74	1.91	0.50	2.60
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000009	0.000007	0.000011	0.000005
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00010
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.167	0.046	0.072	0.190
Li [mg/L]	0.0013	0.0010	0.0051	0.0052
Mg [mg/L]	0.041	0.021	0.010	0.085
Mn [mg/L]	0.00544	0.00219	0.0534	0.00059
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	0.09	0.07	0.07
Ni [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0014	0.0012	0.0062	< 0.0009

OnLine LIMS

0003696013

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10137-APR24**

Analysis	17: CV5-WR-HCT-64 Wk#51	18: CV5-WR-HCT-69 Wk#51	19: CV5-ORE-HCT-74 Wk#51	20: CV5-ORE-HCT-76 Wk#51
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00217	0.00319	0.00082	0.00505
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000029	0.000005	0.000030	0.000014
U [mg/L]	0.000440	0.00263	0.000403	0.000907
V [mg/L]	0.00002	0.00005	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.005	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003696013

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 March 2024
LR Report: **CA10151-MAR24**
Reference: Wk#47

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#47	6: CV5-DMS-HCT-84 Wk#47
Sample Date & Time			21-Mar-24	21-Mar-24
HumCell Leachate Vol [mL]	21-Mar-24	12:34	995	983
pH [No unit]	22-Mar-24	11:56	6.03	6.17
Alkalinity [mg/L as CaCO3]	22-Mar-24	11:56	< 2	< 2
Conductivity [uS/cm]	25-Mar-24	12:04	< 2	< 2
Acidity [mg/L as CaCO3]	25-Mar-24	12:04	< 2	2
Tot.Reactive P [mg/L]	25-Mar-24	09:39	< 0.03	< 0.03
SO4 [mg/L]	22-Mar-24	20:13	< 2	< 2
Ag [mg/L]	27-Mar-24	10:44	< 0.00005	< 0.00005
Al [mg/L]	27-Mar-24	10:44	0.009	0.008
As [mg/L]	27-Mar-24	10:44	0.0029	0.0022
Ba [mg/L]	27-Mar-24	10:44	< 0.00008	< 0.00008
Be [mg/L]	27-Mar-24	10:44	< 0.000007	0.000009
B [mg/L]	27-Mar-24	10:44	< 0.002	< 0.002
Bi [mg/L]	27-Mar-24	10:44	0.00003	0.00003
Ca [mg/L]	27-Mar-24	10:44	0.29	0.30
Cd [mg/L]	27-Mar-24	10:44	< 0.000003	< 0.000003
Co [mg/L]	27-Mar-24	10:44	0.000012	0.000080
Cr [mg/L]	27-Mar-24	10:44	< 0.00008	< 0.00008
Cu [mg/L]	27-Mar-24	10:44	< 0.001	< 0.001
Fe [mg/L]	27-Mar-24	10:44	< 0.007	0.008
K [mg/L]	27-Mar-24	10:44	0.058	0.049
Li [mg/L]	27-Mar-24	10:44	0.0005	0.0005
Mg [mg/L]	27-Mar-24	10:44	0.011	0.013
Mn [mg/L]	27-Mar-24	10:44	0.00071	0.00229
Mo [mg/L]	27-Mar-24	10:44	< 0.0004	< 0.0004
Na [mg/L]	27-Mar-24	10:44	0.03	0.02
Ni [mg/L]	27-Mar-24	10:44	0.0001	0.0036
Pb [mg/L]	27-Mar-24	10:44	0.00018	< 0.00009
Sb [mg/L]	27-Mar-24	10:44	0.0012	0.0011

OnLine LIMS

0003663040

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10151-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#47	6: CV5-DMS-HC T-84 Wk#47
Se [mg/L]	27-Mar-24	10:44	< 0.00004	0.00013
Sn [mg/L]	27-Mar-24	10:44	< 0.00006	< 0.00006
Sr [mg/L]	27-Mar-24	10:44	0.00060	0.00063
Ti [mg/L]	27-Mar-24	10:44	< 0.0001	< 0.0001
Tl [mg/L]	27-Mar-24	10:44	0.000006	0.000006
U [mg/L]	27-Mar-24	10:44	0.000617	0.000706
V [mg/L]	27-Mar-24	10:44	0.00001	< 0.00001
W [mg/L]	27-Mar-24	10:44	< 0.0002	< 0.0002
Y [mg/L]	27-Mar-24	10:44	< 0.00002	< 0.00002
Zn [mg/L]	27-Mar-24	10:44	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003663040

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

Patriot Tailings -Short- (9.5mm fraction size)

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

04-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 23 May 2024
LR Report: **CA10151-MAY24**
Reference: Wk#56

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#56	6: CV5-DMS-HCT-84 Wk#56
Sample Date & Time			23-May-24	23-May-24
HumCell Leachate Vol [mL]	27-May-24	13:08	992	999
pH [No unit]	27-May-24	10:34	6.18	5.90
Alkalinity [mg/L as CaCO3]	27-May-24	10:34	< 2	< 2
Conductivity [uS/cm]	27-May-24	10:34	< 2	< 2
Acidity [mg/L as CaCO3]	27-May-24	10:34	2	3
Tot.Reactive P [mg/L]	24-May-24	08:22	< 0.03	< 0.03
SO4 [mg/L]	30-May-24	15:24	< 2	< 2
Ag [mg/L]	28-May-24	14:14	< 0.00005	< 0.00005
Al [mg/L]	28-May-24	14:14	0.012	0.010
As [mg/L]	28-May-24	14:14	0.0025	0.0017
Ba [mg/L]	28-May-24	14:14	0.00012	< 0.00008
Be [mg/L]	28-May-24	14:14	< 0.000007	< 0.000007
B [mg/L]	28-May-24	14:14	< 0.002	< 0.002
Bi [mg/L]	28-May-24	14:14	0.00002	0.00003
Ca [mg/L]	28-May-24	14:14	0.30	0.23
Cd [mg/L]	28-May-24	14:14	0.000006	< 0.000003
Co [mg/L]	28-May-24	14:14	0.000010	0.000010
Cr [mg/L]	28-May-24	14:14	< 0.00008	< 0.00008
Cu [mg/L]	28-May-24	14:14	< 0.001	< 0.001
Fe [mg/L]	28-May-24	14:14	< 0.007	< 0.007
K [mg/L]	28-May-24	14:14	0.041	0.035
Li [mg/L]	28-May-24	14:14	0.0003	0.0003
Mg [mg/L]	28-May-24	14:14	0.015	0.011
Mn [mg/L]	28-May-24	14:14	0.00107	0.00108
Mo [mg/L]	28-May-24	14:13	0.0006	< 0.0004
Na [mg/L]	28-May-24	14:13	0.03	0.01
Ni [mg/L]	28-May-24	14:13	0.0005	0.0005
Pb [mg/L]	28-May-24	14:13	< 0.00009	< 0.00009
Sb [mg/L]	28-May-24	14:13	0.0011	< 0.0009
Se [mg/L]	28-May-24	14:13	< 0.00004	< 0.00004
Sn [mg/L]	28-May-24	14:13	< 0.00006	< 0.00006
Sr [mg/L]	28-May-24	14:13	0.00066	0.00053
Ti [mg/L]	28-May-24	14:13	< 0.0001	< 0.0001
Tl [mg/L]	28-May-24	14:13	0.000007	< 0.000005
U [mg/L]	28-May-24	14:13	0.000545	0.000633

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10151-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#56	6: CV5-DMS-HCT-84 Wk#56
V [mg/L]	28-May-24	14:13	0.00004	0.00003
W [mg/L]	28-May-24	14:13	< 0.0002	< 0.0002
Y [mg/L]	28-May-24	14:13	< 0.00002	< 0.00002
Zn [mg/L]	28-May-24	14:13	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003734271

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 March 2024
LR Report: **CA10152-MAR24**
Reference: Wk#47

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#47	6: CV5-WR-HCT -5 Wk#47	7: CV5-WR-HCT- 5 (DUP) Wk#47	8: CV5-WR-HCT -14 Wk#47	9: CV5-WR-HCT -22 Wk#47
Sample Date & Time			21-Mar-24	21-Mar-24	21-Mar-24	21-Mar-24	21-Mar-24
HumCell Leachate Vol [mL]	21-Mar-24	12:35	947	953	944	982	994
pH [No unit]	25-Mar-24	12:04	6.79	7.01	6.89	7.76	6.98
Alkalinity [mg/L as CaCO3]	25-Mar-24	12:05	2	4	3	12	4
Conductivity [uS/cm]	22-Mar-24	12:19	28	16	13	28	10
Acidity [mg/L as CaCO3]	25-Mar-24	12:05	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	25-Mar-24	09:39	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	25-Mar-24	14:57	10	4	3	< 2	< 2
Ag [mg/L]	27-Mar-24	10:44	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	27-Mar-24	10:44	0.019	0.016	0.019	0.099	0.013
As [mg/L]	27-Mar-24	10:44	0.0029	0.165	0.117	0.0340	0.111
Ba [mg/L]	27-Mar-24	10:44	0.00019	0.00011	0.00012	0.00016	0.00009
Be [mg/L]	27-Mar-24	10:44	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	27-Mar-24	10:44	0.003	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	27-Mar-24	10:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	27-Mar-24	10:44	4.28	2.55	2.02	5.66	1.43
Cd [mg/L]	27-Mar-24	10:44	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000008
Co [mg/L]	27-Mar-24	10:44	0.000098	0.000164	0.000193	0.000064	0.000110
Cr [mg/L]	27-Mar-24	10:44	< 0.00008	< 0.00008	0.00010	< 0.00008	< 0.00008
Cu [mg/L]	27-Mar-24	10:44	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	27-Mar-24	10:44	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	27-Mar-24	10:44	0.134	0.063	0.059	0.031	0.031
Li [mg/L]	27-Mar-24	10:44	0.0050	0.0054	0.0049	0.0032	0.0037
Mg [mg/L]	27-Mar-24	10:44	0.215	0.121	0.114	0.188	0.166
Mn [mg/L]	27-Mar-24	10:44	0.00093	0.00076	0.00105	0.00540	0.00047
Mo [mg/L]	27-Mar-24	10:44	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	27-Mar-24	10:44	0.09	0.04	0.04	0.12	0.06
Ni [mg/L]	27-Mar-24	10:44	0.0004	0.0012	0.0009	0.0004	0.0005
Pb [mg/L]	27-Mar-24	10:44	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00016
Sb [mg/L]	27-Mar-24	10:44	0.0020	0.0374	0.0195	0.0036	0.0050

OnLine LIMS

0003662968

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10152-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#47	6: CV5-WR-HCT -5 Wk#47	7: CV5-WR-HCT-5 (DUP) Wk#47	8: CV5-WR-HCT -14 Wk#47	9: CV5-WR-HCT -22 Wk#47
Se [mg/L]	27-Mar-24	10:44	0.00013	0.00005	0.00005	0.00010	0.00004
Sn [mg/L]	27-Mar-24	10:44	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	27-Mar-24	10:44	0.00797	0.00371	0.00354	0.00382	0.00381
Ti [mg/L]	27-Mar-24	10:44	0.00013	< 0.0001	< 0.0001	0.00014	< 0.0001
Tl [mg/L]	27-Mar-24	10:44	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	27-Mar-24	10:44	0.000113	0.000017	0.000016	0.000128	0.000136
V [mg/L]	27-Mar-24	10:44	0.00022	0.00034	0.00034	0.00223	0.00083
W [mg/L]	27-Mar-24	10:44	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	27-Mar-24	10:44	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	27-Mar-24	10:44	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#47	11: CV5-WR-HCT -36 Wk#47	12: CV5-WR-HCT -39 Wk#47	13: CV5-WR-HCT -50 Wk#47	14: CV5-WR-HCT -56 Wk#47	15: CV5-WR-HCT -59 Wk#47	16: CV5-WR-HCT -62 Wk#47
Sample Date & Time	21-Mar-24	21-Mar-24	21-Mar-24	21-Mar-24	21-Mar-24	21-Mar-24	21-Mar-24
HumCell Leachate Vol [mL]	998	971	949	1001	981	991	952
pH [No unit]	7.39	7.06	6.51	7.30	7.34	6.38	7.24
Alkalinity [mg/L as CaCO3]	6	4	2	8	8	< 2	7
Conductivity [uS/cm]	13	13	21	46	26	12	18
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	4	< 2
Tot.Reactive P [mg/L]	< 0.03	0.25	< 0.03	< 0.03	< 0.03	< 0.03	0.10
SO4 [mg/L]	< 2	< 2	7	7	5	3	2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.052	0.001	0.011	0.032	0.032	0.013	< 0.001
As [mg/L]	0.0043	0.918	0.0151	0.0036	0.0126	0.192	0.512
Ba [mg/L]	0.00013	0.00039	0.00021	0.00030	0.00031	0.00013	0.00030
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.003	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.36	1.81	2.90	6.53	4.33	1.59	2.50
Cd [mg/L]	< 0.000003	< 0.000003	0.000004	0.000034	< 0.000003	0.000009	< 0.000003
Co [mg/L]	0.000048	0.000346	0.000131	0.001848	0.000059	0.000780	0.000486
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.038	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.040	0.029	0.128	0.157	0.152	0.028	0.021
Li [mg/L]	0.0020	0.0013	0.0050	0.0090	0.0019	0.0012	0.0003
Mg [mg/L]	0.070	0.395	0.269	0.074	0.141	0.269	0.648
Mn [mg/L]	0.00735	0.00156	0.00150	0.00758	0.00582	0.00183	0.00270
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0300	< 0.0004
Na [mg/L]	0.06	0.01	0.09	0.09	0.04	0.06	< 0.01
Ni [mg/L]	0.0001	0.0083	0.0005	0.0028	0.0003	0.0072	0.0075
Pb [mg/L]	< 0.00009	< 0.00009	0.00015	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0010	0.315	0.0091	0.0175	< 0.0009	0.0037	0.438

OnLine LIMS

0003662968

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10152-MAR24**

Analysis	10: CV5-WR-HCT -33 Wk#47	11: CV5-WR-HCT -36 Wk#47	12: CV5-WR-HCT -39 Wk#47	13: CV5-WR-HCT -50 Wk#47	14: CV5-WR-HCT -56 Wk#47	15: CV5-WR-HCT -59 Wk#47	16: CV5-WR-HCT -62 Wk#47
Se [mg/L]	0.00025	0.00005	0.00008	0.00063	0.00006	< 0.00004	0.00010
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00199	0.00186	0.00684	0.00393	0.00404	0.00627	0.00127
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000020	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000024	0.000014	0.000270	0.00110	0.000486	0.000013	0.000044
V [mg/L]	0.00044	0.00012	0.00022	0.00005	0.00027	0.00022	0.00012
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.006	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#47	18: CV5-WR-HCT -69 Wk#47	19: CV5-ORE-HCT-74 Wk#47	20: CV5-ORE-HCT-76 Wk#47
Sample Date & Time	21-Mar-24	21-Mar-24	21-Mar-24	21-Mar-24
HumCell Leachate Vol [mL]	982	1008	997	975
pH [No unit]	7.06	7.09	6.48	7.10
Alkalinity [mg/L as CaCO3]	5	5	< 2	6
Conductivity [uS/cm]	9	12	2	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.022	0.049	0.011	0.026
As [mg/L]	0.0058	0.0033	0.0075	0.0022
Ba [mg/L]	< 0.00008	0.00012	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000052	< 0.000007	0.000017
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00028	< 0.00001	0.00008
Ca [mg/L]	1.75	2.31	0.50	2.37
Cd [mg/L]	< 0.000003	0.000005	0.000003	< 0.000003
Co [mg/L]	0.000008	0.000011	0.000007	0.000008
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.149	0.067	0.080	0.180
Li [mg/L]	0.0012	0.0013	0.0047	0.0047
Mg [mg/L]	0.040	0.028	0.010	0.077
Mn [mg/L]	0.00450	0.00253	0.04556	0.00100
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.10	0.06	0.06
Ni [mg/L]	0.0001	0.0001	0.0002	0.0002
Pb [mg/L]	0.00069	0.00011	< 0.00009	< 0.00009
Sb [mg/L]	0.0012	0.0013	0.0070	< 0.0009

OnLine LIMS

00036629

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10152-MAR24**

Analysis	17: CV5-WR-HCT-64 Wk#47	18: CV5-WR-HCT-69 Wk#47	19: CV5-ORE-HCT-74 Wk#47	20: CV5-ORE-HCT-76 Wk#47
Se [mg/L]	< 0.00004	0.00004	< 0.00004	0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00208	0.00389	0.00082	0.00449
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000024	0.000005	0.000022	0.000014
U [mg/L]	0.000528	0.00354	0.000476	0.000842
V [mg/L]	< 0.00001	0.00004	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003662968

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

04-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 23 May 2024
LR Report: **CA10152-MAY24**
Reference: Wk#56

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#56	6: CV5-WR-HCT-5 Wk#56	7: CV5-WR-HCT-5 (DUP) Wk#56	8: CV5-WR-HCT-1 4 Wk#56	9: CV5-WR-HCT-2 2 Wk#56	10: CV5-WR-HCT-3 3 Wk#56
Sample Date & Time			23-May-24	23-May-24	23-May-24	23-May-24	23-May-24	23-May-24
HumCell Leachate Vol [mL]	27-May-24	13:09	993	987	1000	1000	1000	996
pH [No unit]	28-May-24	11:34	6.96	7.16	7.03	7.65	7.28	7.32
Alkalinity [mg/L as CaCO3]	27-May-24	10:37	3	4	2	12	3	6
Conductivity [uS/cm]	28-May-24	11:34	32	19	15	19	11	12
Acidity [mg/L as CaCO3]	27-May-24	10:40	2	<2	<2	<2	<2	< 2
Tot.Reactive P [mg/L]	24-May-24	08:23	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	31-May-24	12:59	10	4	3	2	< 2	2
Ag [mg/L]	28-May-24	14:13	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-May-24	14:13	0.017	0.015	0.015	0.081	0.017	0.052
As [mg/L]	28-May-24	14:13	0.0021	0.146	0.0873	0.0223	0.0924	0.0035
Ba [mg/L]	28-May-24	14:13	0.00018	0.00015	0.00015	0.00010	0.00009	0.00012
Be [mg/L]	28-May-24	14:13	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	28-May-24	14:13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	28-May-24	14:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-May-24	14:13	4.58	2.76	2.29	4.93	1.66	2.34
Cd [mg/L]	28-May-24	14:13	< 0.000003	0.000010	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	28-May-24	14:13	0.000104	0.000191	0.000228	0.000052	0.000145	0.000070
Cr [mg/L]	28-May-24	14:13	0.00008	0.00008	0.00009	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	28-May-24	14:13	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	28-May-24	14:13	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	28-May-24	14:13	0.126	0.058	0.052	0.024	0.028	0.030
Li [mg/L]	28-May-24	14:13	0.0041	0.0053	0.0048	0.0026	0.0039	0.0016
Mg [mg/L]	28-May-24	14:13	0.199	0.115	0.111	0.147	0.189	0.056
Mn [mg/L]	28-May-24	14:13	0.00117	0.00091	0.00131	0.00514	0.00048	0.00756
Mo [mg/L]	28-May-24	14:13	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	28-May-24	14:13	0.09	0.04	0.04	0.10	0.07	0.06
Ni [mg/L]	28-May-24	14:13	0.0010	0.0015	0.0011	0.0007	0.0008	0.0007
Pb [mg/L]	28-May-24	14:13	< 0.00009	0.00013	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-May-24	14:13	0.0020	0.0360	0.0186	0.0026	0.0041	< 0.0009
Se [mg/L]	28-May-24	14:13	0.00015	< 0.00004	< 0.00004	0.00006	< 0.00004	0.00005
Sn [mg/L]	28-May-24	14:13	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	28-May-24	14:13	0.00812	0.00355	0.00367	0.00329	0.00442	0.00204
Ti [mg/L]	28-May-24	14:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00015	0.00016
Tl [mg/L]	28-May-24	14:13	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	28-May-24	14:13	0.000110	0.000013	0.000015	0.000025	0.000136	0.000017

OnLine LMS

00037342 74

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10152-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#56	6: CV5-WR-HCT-5 Wk#56	7: CV5-WR-HCT-5 (DUP) Wk#56	8: CV5-WR-HCT-1 4 Wk#56	9: CV5-WR-HCT-2 2 Wk#56	10: CV5-WR-HCT-3 3 Wk#56
V [mg/L]	28-May-24	14:13	0.00021	0.00034	0.00029	0.00165	0.00086	0.00048
W [mg/L]	28-May-24	14:13	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	28-May-24	14:13	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	28-May-24	14:13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-3 6 Wk#56	12: CV5-WR-HCT-3 9 Wk#56	13: CV5-WR-HCT-5 0 Wk#56	14: CV5-WR-HCT-5 6 Wk#56	15: CV5-WR-HCT-5 9 Wk#56	16: CV5-WR-HCT-6 2 Wk#56	17: CV5-WR-HCT-6 4 Wk#56	18: CV5-WR-HCT-6 9 Wk#56
Sample Date & Time	23-May-24	23-May-24	23-May-24	23-May-24	23-May-24	23-May-24	23-May-24	23-May-24
HumCell Leachate Vol [mL]	1010	957	1010	981	1006	969	994	1002
pH [No unit]	7.12	6.42	7.19	7.28	6.19	7.24	7.11	6.58
Alkalinity [mg/L as CaCO3]	5	< 2	7	7	< 2	7	4	< 2
Conductivity [uS/cm]	14	19	44	26	15	19	8	7
Acidity [mg/L as CaCO3]	< 2	2	6	< 2	4	< 2	< 2	2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.22	< 0.03	0.03	0.09	< 0.03	< 0.03
SO4 [mg/L]	6	6	< 2	8	4	4	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.033	0.007	0.002	0.025	0.004	< 0.001	0.024	0.047
As [mg/L]	0.0088	0.0115	0.821	0.0027	0.149	0.419	0.0040	0.0027
Ba [mg/L]	0.00029	0.00014	0.00059	0.00024	0.00017	0.00039	< 0.00008	0.00014
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	0.000052
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00015
Ca [mg/L]	4.64	2.48	2.01	6.86	1.95	2.54	1.55	2.20
Cd [mg/L]	< 0.000003	0.000004	< 0.000003	0.000049	0.000007	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000057	0.000123	0.000512	0.00310	0.00259	0.000556	0.000007	0.000010
Cr [mg/L]	< 0.00008	< 0.00008	0.00013	< 0.00008	0.00012	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.009	< 0.007	< 0.007	< 0.007
K [mg/L]	0.134	0.106	0.028	0.118	0.028	0.019	0.136	0.054
Li [mg/L]	0.0017	0.0045	0.0014	0.0062	0.0014	0.0002	0.0010	0.0010
Mg [mg/L]	0.136	0.221	0.463	0.069	0.340	0.707	0.034	0.025
Mn [mg/L]	0.00566	0.00148	0.00215	0.00748	0.00512	0.00288	0.00496	0.00252
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	0.06	0.01	0.08	0.03	< 0.01	0.03	0.08
Ni [mg/L]	0.0007	0.0006	0.0096	0.0027	0.0217	0.0076	0.0005	0.0006
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0068	0.319	0.0115	0.0028	0.364	< 0.0009	0.0012
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	0.00055	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00410	0.00586	0.00186	0.00382	0.00757	0.00126	0.00181	0.00357
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000019	0.000005	< 0.000005	0.000026	< 0.000005
U [mg/L]	0.000363	0.000189	0.000016	0.00128	0.000005	0.000031	0.000346	0.00297
V [mg/L]	0.00028	0.00020	0.00012	0.00005	0.00020	0.00013	0.00005	0.00007
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.010	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	19: CV5-ORE-HCT-74 Wk#56	20: CV5-ORE-HCT-76 Wk#56
Sample Date & Time	23-May-24	23-May-24

OnLine LMS

00037342274

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10152-MAY24**

Analysis	19: CV5-ORE-HCT-74 Wk#56	20: CV5-ORE-HCT-76 Wk#56
HumCell Leachate Vol [mL]	999	1000
pH [No unit]	7.11	7.21
Alkalinity [mg/L as CaCO3]	5	6
Conductivity [uS/cm]	11	12
Acidity [mg/L as CaCO3]	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.012	0.026
As [mg/L]	0.0064	0.0016
Ba [mg/L]	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000013
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00006
Ca [mg/L]	0.44	2.30
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000009	0.000019
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.071	0.154
Li [mg/L]	0.0049	0.0046
Mg [mg/L]	0.010	0.109
Mn [mg/L]	0.0519	0.00061
Mo [mg/L]	< 0.0004	< 0.0004
Na [mg/L]	0.06	0.05
Ni [mg/L]	0.0004	0.0004
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0061	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006
Sr [mg/L]	0.00081	0.00446
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000026	0.000013
U [mg/L]	0.000376	0.000781
V [mg/L]	0.00003	0.00006
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003734274

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 25 July 2024
LR Report: **CA10153-JUL24**
Reference: Wk#65

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#65	6: CV5-WR-HCT-5 Wk#65	7: CV5-WR-HCT-5 (DUP) Wk#65	8: CV5-WR-HCT-1 4 Wk#65	9: CV5-WR-HCT-2 2 Wk#65	10: CV5-WR-HCT-3 3 Wk#65
Sample Date & Time			25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24
HumCell Leachate Vol [mL]	25-Jul-24	12:06	928	934	952	984	973	955
pH [No unit]	29-Jul-24	12:57	6.75	7.01	6.86	7.36	6.85	7.02
Conductivity [uS/cm]	29-Jul-24	10:01	38	21	16	26	9	11

Analysis	11: CV5-WR-HCT-3 6 Wk#65	12: CV5-WR-HCT-3 9 Wk#65	13: CV5-WR-HCT-5 0 Wk#65	14: CV5-WR-HCT-5 6 Wk#65	15: CV5-WR-HCT-5 9 Wk#65	16: CV5-WR-HCT-6 2 Wk#65	17: CV5-WR-HCT-6 4 Wk#65	18: CV5-WR-HCT-6 9 Wk#65
Sample Date & Time	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24
HumCell Leachate Vol [mL]	960	947	1000	969	1007	920	1002	1002
pH [No unit]	7.17	6.50	6.73	7.11	6.47	7.16	6.87	6.98
Conductivity [uS/cm]	18	21	45	29	13	19	8	15

Analysis	19: CV5-ORE-HCT- 74 Wk#65	20: CV5-ORE-HCT- 76 Wk#65
Sample Date & Time	25-Jul-24	25-Jul-24
HumCell Leachate Vol [mL]	987	965
pH [No unit]	6.55	7.08
Conductivity [uS/cm]	3	12



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003816140

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

08-December-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 28 November 2024
LR Report: **CA10154-NOV24**
Reference: Wk#83

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#83	6: CV5-WR-HCT-5 Wk#83	7: CV5-WR-HCT-5 (DUP) Wk#83	8: CV5-WR-HCT-14 Wk#83	9: CV5-WR-HCT-22 Wk#83	10: CV5-WR-HCT-33 Wk#83	11: CV5-WR-HCT-36 Wk#83
Sample Date & Time			28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24
HumCell Leachate Vol [mL]	28-Nov-24	15:28	930	946	977	991	960	1002	999
pH [No unit]	02-Dec-24	12:01	6.62	7.16	7.03	7.42	7.17	7.10	7.29
Conductivity [uS/cm]	29-Nov-24	15:33	30	21	14	27	9	14	18

Analysis	12: CV5-WR-HCT-39 Wk#83	13: CV5-WR-HCT-50 Wk#83	14: CV5-WR-HCT-56 Wk#83	15: CV5-WR-HCT-59 Wk#83	16: CV5-WR-HCT-62 Wk#83	17: CV5-WR-HCT-64 Wk#83	18: CV5-WR-HCT-69 Wk#83	19: CV5-ORE-HCT-74 Wk#83	20: CV5-ORE-HCT-76 Wk#83
Sample Date & Time	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24	28-Nov-24
HumCell Leachate Vol [mL]	930	1012	1008	1006	937	1002	997	999	1005
pH [No unit]	6.49	6.79	7.25	6.50	7.15	7.01	6.95	6.67	6.92
Conductivity [uS/cm]	20	52	36	12	18	6	9	3	13

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003952978

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

11-September-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 29 August 2024
LR Report: **CA10155-AUG24**
Reference: Wk#70

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#70	6: CV5-WR-HCT-5 Wk#70	7: CV5-WR-HCT-5 (DUP) Wk#70	8: CV5-WR-HCT-1 4 Wk#70	9: CV5-WR-HCT-2 2 Wk#70	10: CV5-WR-HCT-3 3 Wk#70
Sample Date & Time			29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
HumCell Leachate Vol [mL]	05-Sep-24	10:44	934	951	958	970	984	983
pH [No unit]	30-Aug-24	09:38	6.78	6.98	6.86	7.48	6.91	7.10
Conductivity [uS/cm]	30-Aug-24	09:38	36	20	15	25	9	12

Analysis	11: CV5-WR-HCT-3 6 Wk#70	12: CV5-WR-HCT-3 9 Wk#70	13: CV5-WR-HCT-5 0 Wk#70	14: CV5-WR-HCT-5 6 Wk#70	15: CV5-WR-HCT-5 9 Wk#70	16: CV5-WR-HCT-6 2 Wk#70	17: CV5-WR-HCT-6 4 Wk#70	18: CV5-WR-HCT-6 9 Wk#70
Sample Date & Time	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24
HumCell Leachate Vol [mL]	966	938	996	980	1004	928	1010	1006
pH [No unit]	7.14	6.49	6.50	7.07	6.37	7.17	6.92	7.15
Conductivity [uS/cm]	17	21	49	32	16	19	8	13

Analysis	19: CV5-ORE-HCT- 74 Wk#70	20: CV5-ORE-HCT- 76 Wk#70
Sample Date & Time	29-Aug-24	29-Aug-24
HumCell Leachate Vol [mL]	999	980
pH [No unit]	6.50	7.05
Conductivity [uS/cm]	3	11



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003852397

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-October-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 26 September 2024
LR Report: **CA10159-SEP24**
Reference: Wk#74

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#74	6: CV5-WR-HCT-5 Wk#74	7: CV5-WR-HCT-5 (DUP) Wk#74	8: CV5-WR-HCT-14 Wk#74	9: CV5-WR-HCT-22 Wk#74	10: CV5-WR-HCT-33 Wk#74
Sample Date & Time			26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24
HumCell Leachate Vol [mL]	30-Sep-24	10:33	947	956	966	1012	1000	1005
pH [No unit]	01-Oct-24	10:53	6.81	7.05	6.93	7.58	6.97	7.26
Conductivity [uS/cm]	30-Sep-24	12:03	30	19	13	25	6	12

Analysis	11: CV5-WR-HCT-36 Wk#74	12: CV5-WR-HCT-39 Wk#74	13: CV5-WR-HCT-50 Wk#74	14: CV5-WR-HCT-56 Wk#74	15: CV5-WR-HCT-59 Wk#74	16: CV5-WR-HCT-62 Wk#74	17: CV5-WR-HCT-64 Wk#74	18: CV5-WR-HCT-69 Wk#74
Sample Date & Time	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24
HumCell Leachate Vol [mL]	985	952	1012	1026	1008	945	1011	1012
pH [No unit]	7.31	6.65	6.89	7.28	6.47	7.36	6.97	7.27
Conductivity [uS/cm]	13	18	43	30	15	17	5	13

Analysis	19: CV5-ORE-HCT-74 Wk#74	20: CV5-ORE-HCT-76 Wk#74
Sample Date & Time	26-Sep-24	26-Sep-24
HumCell Leachate Vol [mL]	1007	985
pH [No unit]	6.80	7.34
Conductivity [uS/cm]	3	11



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00038775527

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

30-October-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 24 October 2024
LR Report: **CA10161-OCT24**
Reference: Wk#78

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#78	6: CV5-WR-HCT-5 Wk#78	7: CV5-WR-HCT-5 (DUP) Wk#78	8: CV5-WR-HCT-1 4 Wk#78	9: CV5-WR-HCT-2 2 Wk#78	10: CV5-WR-HCT-3 3 Wk#78
Sample Date & Time			24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24
HumCell Leachate Vol [mL]	25-Oct-24	16:52	955	971	969	1003	1003	1009
pH [No unit]	25-Oct-24	11:40	6.69	6.97	6.83	7.25	6.95	7.12
Conductivity [uS/cm]	25-Oct-24	11:40	32	20	14	26	10	14

Analysis	11: CV5-WR-HCT-3 6 Wk#78	12: CV5-WR-HCT-3 9 Wk#78	13: CV5-WR-HCT-5 0 Wk#78	14: CV5-WR-HCT-5 6 Wk#78	15: CV5-WR-HCT-5 9 Wk#78	16: CV5-WR-HCT-6 2 Wk#78	17: CV5-WR-HCT-6 4 Wk#78	18: CV5-WR-HCT-6 9 Wk#78
Sample Date & Time	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24
HumCell Leachate Vol [mL]	994	944	1011	999	1005	941	999	1019
pH [No unit]	6.96	6.42	6.91	7.11	6.38	7.10	6.83	7.09
Conductivity [uS/cm]	15	20	47	30	14	16	6	12

Analysis	19: CV5-ORE-HCT- 74 Wk#78	20: CV5-ORE-HCT- 76 Wk#78
Sample Date & Time	24-Oct-24	24-Oct-24
HumCell Leachate Vol [mL]	1006	992
pH [No unit]	6.49	7.07
Conductivity [uS/cm]	3	11



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003910348

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-January-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 December 2024
LR Report: **CA10163-DEC24**
Reference: Wk#87

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#87	6: CV5-WR-HCT-5 Wk#87	7: CV5-WR-HCT-5 (DUP) Wk#87	8: CV5-WR-HCT-1 4 Wk#87	9: CV5-WR-HCT-2 2 Wk#87
Sample Date & Time			27-Dec-24	27-Dec-24	27-Dec-24	27-Dec-24	27-Dec-24
HumCell Leachate Vol [mL]	30-Dec-24	13:12	966	973	953	1024	1016
pH [No unit]	31-Dec-24	15:09	6.75	7.03	7.19	7.46	7.03
Conductivity [uS/cm]	31-Dec-24	15:09	34	22	17	28	8

Analysis	10: CV5-WR-HCT-3 3 Wk#87	11: CV5-WR-HCT-3 6 Wk#87	12: CV5-WR-HCT-3 9 Wk#87	13: CV5-WR-HCT-5 0 Wk#87	14: CV5-WR-HCT-5 6 Wk#87	15: CV5-WR-HCT-5 9 Wk#87	16: CV5-WR-HCT-6 2 Wk#87
Sample Date & Time	27-Dec-24	27-Dec-24	27-Dec-24	27-Dec-24	27-Dec-24	27-Dec-24	27-Dec-24
HumCell Leachate Vol [mL]	1042	1028	1037	1040	1023	1031	987
pH [No unit]	7.20	7.08	6.49	6.59	7.07	6.10	6.80
Conductivity [uS/cm]	20	19	31	56	33	15	19

Analysis	17: CV5-WR-HCT-6 4 Wk#87	18: CV5-WR-HCT-6 9 Wk#87	19: CV5-ORE-HCT-74 Wk#87	20: CV5-ORE-HCT-76 Wk#87
Sample Date & Time	27-Dec-24	27-Dec-24	27-Dec-24	27-Dec-24
HumCell Leachate Vol [mL]	1049	1027	1043	1041
pH [No unit]	6.91	7.39	6.60	7.08
Conductivity [uS/cm]	5	13	4	19

Chris Sullivan

Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LMS

0004001393

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

23-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 June 2024
LR Report: **CA10165-JUN24**
Reference: Wk#61

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#61	6: CV5-DMS-HC T-84 Wk#61
Sample Date & Time			27-Jun-24	27-Jun-24
HumCell Leachate Vol [mL]	27-Jun-24	16:53	992	1000
pH [No unit]	30-Jun-24	16:21	6.84	6.67
Alkalinity [mg/L as CaCO3]	17-Jul-24	09:48	< 2	< 2
Conductivity [uS/cm]	28-Jun-24	10:42	< 2	2
Acidity [mg/L as CaCO3]	28-Jun-24	10:42	3	2
Tot.Reactive P [mg/L]	28-Jun-24	07:44	< 0.03	< 0.03
SO4 [mg/L]	27-Jun-24	17:05	< 2	< 2
Ag [mg/L]	29-Jun-24	10:26	< 0.00005	< 0.00005
Al [mg/L]	29-Jun-24	10:26	0.007	0.008
As [mg/L]	29-Jun-24	10:26	0.0026	0.0020
Ba [mg/L]	29-Jun-24	10:26	< 0.00008	< 0.00008
Be [mg/L]	29-Jun-24	10:26	0.000007	0.000011
B [mg/L]	29-Jun-24	10:26	< 0.002	< 0.002
Bi [mg/L]	29-Jun-24	10:26	0.00002	0.00003
Ca [mg/L]	29-Jun-24	10:26	0.28	0.31
Cd [mg/L]	29-Jun-24	10:26	< 0.000003	< 0.000003
Co [mg/L]	29-Jun-24	10:26	0.000007	0.000005
Cr [mg/L]	29-Jun-24	10:26	< 0.00008	< 0.00008
Cu [mg/L]	29-Jun-24	10:26	< 0.001	< 0.001
Fe [mg/L]	29-Jun-24	10:26	< 0.007	< 0.007
K [mg/L]	29-Jun-24	10:26	0.037	0.039
Li [mg/L]	29-Jun-24	10:26	0.0004	0.0004
Mg [mg/L]	29-Jun-24	10:26	0.010	0.013
Mn [mg/L]	29-Jun-24	10:26	0.00133	0.00190
Mo [mg/L]	29-Jun-24	10:26	< 0.0004	< 0.0004
Na [mg/L]	29-Jun-24	10:26	< 0.01	0.02
Ni [mg/L]	29-Jun-24	10:26	< 0.0001	< 0.0001
Pb [mg/L]	29-Jun-24	10:26	< 0.00009	< 0.00009
Sb [mg/L]	29-Jun-24	10:26	0.0013	0.0011

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003793459

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10165-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#61	6: CV5-DMS-HC T-84 Wk#61
Se [mg/L]	29-Jun-24	10:26	< 0.00004	< 0.00004
Sn [mg/L]	29-Jun-24	10:26	< 0.00006	< 0.00006
Sr [mg/L]	29-Jun-24	10:26	0.00061	0.00076
Ti [mg/L]	29-Jun-24	10:26	< 0.0001	< 0.0001
Tl [mg/L]	29-Jun-24	10:26	0.000008	0.000008
U [mg/L]	29-Jun-24	10:26	0.000469	0.000608
V [mg/L]	29-Jun-24	10:26	< 0.00001	0.00002
W [mg/L]	29-Jun-24	10:26	< 0.0002	< 0.0002
Y [mg/L]	29-Jun-24	10:26	< 0.00002	< 0.00002
Zn [mg/L]	29-Jun-24	10:26	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00037934S9

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

12-July-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 June 2024
LR Report: **CA10166-JUN24**
Reference: Wk#61

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#61	6: CV5-WR-HCT -5 Wk#61	7: CV5-WR-HCT- 5 (DUP) Wk#61	8: CV5-WR-HCT -14 Wk#61	9: CV5-WR-HCT -22 Wk#61
Sample Date & Time			27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24
HumCell Leachate Vol [mL]	27-Jun-24	16:53	949	959	974	1013	990
pH [No unit]	30-Jun-24	15:45	6.64	7.19	6.64	7.24	6.76
Alkalinity [mg/L as CaCO3]	30-Jun-24	15:47	3	4	3	11	4
Conductivity [uS/cm]	28-Jun-24	10:48	35	18	15	26	11
Acidity [mg/L as CaCO3]	30-Jun-24	15:37	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	30-Jun-24	12:42	< 0.03	0.04	0.03	< 0.03	0.05
SO4 [mg/L]	27-Jun-24	17:06	10	4	3	< 2	< 2
Ag [mg/L]	29-Jun-24	10:35	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-Jun-24	10:35	0.018	0.023	0.020	0.088	0.024
As [mg/L]	29-Jun-24	10:35	0.0019	0.137	0.0865	0.0250	0.0918
Ba [mg/L]	29-Jun-24	10:35	0.00029	0.00019	0.00013	0.00011	< 0.00008
Be [mg/L]	29-Jun-24	10:35	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	29-Jun-24	10:35	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	29-Jun-24	10:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	29-Jun-24	10:35	4.76	2.83	2.19	4.66	1.63
Cd [mg/L]	29-Jun-24	10:35	< 0.000003	0.000005	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	29-Jun-24	10:35	0.000131	0.000162	0.000147	0.000050	0.000155
Cr [mg/L]	29-Jun-24	10:35	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00010
Cu [mg/L]	29-Jun-24	10:35	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	29-Jun-24	10:35	< 0.007	< 0.007	< 0.007	< 0.007	0.009
K [mg/L]	29-Jun-24	10:35	0.122	0.057	0.051	0.026	0.029
Li [mg/L]	29-Jun-24	10:35	0.0042	0.0050	0.0044	0.0029	0.0042
Mg [mg/L]	29-Jun-24	10:35	0.188	0.112	0.103	0.144	0.187
Mn [mg/L]	29-Jun-24	10:35	0.00216	0.00121	0.00102	0.00482	0.00076
Mo [mg/L]	29-Jun-24	10:35	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	29-Jun-24	10:35	0.08	0.03	0.04	0.09	0.06
Ni [mg/L]	29-Jun-24	10:35	0.0005	0.0012	0.0007	0.0002	0.0005
Pb [mg/L]	29-Jun-24	10:35	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	29-Jun-24	10:35	0.0015	0.0255	0.0136	0.0026	0.0039

OnLine LIMS

0003779914

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10166-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#61	6: CV5-WR-HCT -5 Wk#61	7: CV5-WR-HCT-5 (DUP) Wk#61	8: CV5-WR-HCT -14 Wk#61	9: CV5-WR-HCT -22 Wk#61
Se [mg/L]	29-Jun-24	10:35	0.00010	< 0.00004	< 0.00004	0.00007	0.00004
Sn [mg/L]	29-Jun-24	10:35	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	29-Jun-24	10:35	0.00775	0.00355	0.00379	0.00315	0.00438
Ti [mg/L]	29-Jun-24	10:35	< 0.0001	0.00014	< 0.0001	0.00013	0.00045
Tl [mg/L]	29-Jun-24	10:35	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	29-Jun-24	10:35	0.000060	0.000010	0.000029	0.000016	0.000136
V [mg/L]	29-Jun-24	10:35	0.00016	0.00038	0.00029	0.00193	0.00096
W [mg/L]	29-Jun-24	10:35	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	29-Jun-24	10:35	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	29-Jun-24	10:35	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#61	11: CV5-WR-HCT -36 Wk#61	12: CV5-WR-HCT -39 Wk#61	13: CV5-WR-HCT -50 Wk#61	14: CV5-WR-HCT -56 Wk#61	15: CV5-WR-HCT -59 Wk#61	16: CV5-WR-HCT -62 Wk#61
Sample Date & Time	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24
HumCell Leachate Vol [mL]	965	976	954	1008	1015	1007	926
pH [No unit]	6.95	6.90	6.28	6.77	7.02	6.36	7.10
Alkalinity [mg/L as CaCO3]	4	5	< 2	3	7	< 2	7
Conductivity [uS/cm]	10	13	18	44	31	11	20
Acidity [mg/L as CaCO3]	< 2	< 2	2	12	< 2	5	< 2
Tot.Reactive P [mg/L]	< 0.03	0.20	< 0.03	< 0.03	< 0.03	< 0.03	0.12
SO4 [mg/L]	< 2	< 2	5	8	6	3	2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.059	0.002	0.008	0.011	0.037	0.002	< 0.001
As [mg/L]	0.0038	0.739	0.0118	0.0017	0.0088	0.0922	0.466
Ba [mg/L]	0.00011	0.00054	0.00015	0.00028	0.00037	0.00011	0.00024
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.76	1.80	2.38	6.54	4.70	1.33	2.42
Cd [mg/L]	0.000004	< 0.000003	0.000004	0.000089	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000228	0.000287	0.000128	0.00654	0.000059	0.00301	0.000445
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.012	< 0.007
K [mg/L]	0.028	0.031	0.114	0.094	0.116	0.019	0.020
Li [mg/L]	0.0015	0.0013	0.0049	0.0055	0.0017	0.0010	0.0003
Mg [mg/L]	0.058	0.423	0.208	0.071	0.121	0.220	0.734
Mn [mg/L]	0.00601	0.00158	0.00166	0.0104	0.00564	0.00472	0.00244
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	< 0.01	0.06	0.06	0.04	< 0.01	< 0.01
Ni [mg/L]	0.0008	0.0054	0.0004	0.0056	0.0003	0.0254	0.0061
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.295	0.0062	0.0085	< 0.0009	0.0021	0.332

OnLine LMS

0003779914

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10166-JUN24**

Analysis	10: CV5-WR-HCT -33 Wk#61	11: CV5-WR-HCT -36 Wk#61	12: CV5-WR-HCT -39 Wk#61	13: CV5-WR-HCT -50 Wk#61	14: CV5-WR-HCT -56 Wk#61	15: CV5-WR-HCT -59 Wk#61	16: CV5-WR-HCT -62 Wk#61
Se [mg/L]	0.00007	< 0.00004	0.00004	0.00055	< 0.00004	0.00005	0.00005
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00154	0.00158	0.00542	0.00347	0.00398	0.00508	0.00119
Ti [mg/L]	0.00015	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000005	0.000020	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000006	0.000014	0.000138	0.00126	0.000339	0.000004	0.000030
V [mg/L]	0.00047	0.00011	0.00020	0.00002	0.00024	0.00012	0.00011
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.027	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#61	18: CV5-WR-HC T-69 Wk#61	19: CV5-ORE-HC T-74 Wk#61	20: CV5-ORE-HC T-76 Wk#61
Sample Date & Time	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24
HumCell Leachate Vol [mL]	1014	1020	1008	975
pH [No unit]	6.76	7.10	6.44	7.46
Alkalinity [mg/L as CaCO3]	4	6	< 2	4
Conductivity [uS/cm]	8	11	2	9
Acidity [mg/L as CaCO3]	< 2	< 2	<2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.05	0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.023	0.054	0.016	0.041
As [mg/L]	0.0042	0.0025	0.0062	0.0014
Ba [mg/L]	< 0.00008	0.00010	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000061	< 0.000007	0.000124
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00015	< 0.00001	0.00006
Ca [mg/L]	1.32	2.05	0.40	1.62
Cd [mg/L]	0.000003	0.000004	0.000003	< 0.000003
Co [mg/L]	0.000006	0.000080	0.000008	0.000010
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.127	0.054	0.076	0.143
Li [mg/L]	0.0011	0.0010	0.0055	0.0046
Mg [mg/L]	0.029	0.021	0.007	0.053
Mn [mg/L]	0.00521	0.00278	0.0498	0.00076
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.02	0.08	0.05	0.05
Ni [mg/L]	< 0.0001	0.0005	0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0010	0.0013	0.0058	< 0.0009

OnLine LMS

0003779914

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10166-JUN24**

Analysis	17: CV5-WR-HCT-64 Wk#61	18: CV5-WR-HCT-69 Wk#61	19: CV5-ORE-HCT-74 Wk#61	20: CV5-ORE-HCT-76 Wk#61
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00012
Sr [mg/L]	0.00154	0.00316	0.00070	0.00319
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000026	0.000006	0.000031	0.000017
U [mg/L]	0.000288	0.00262	0.000348	0.000486
V [mg/L]	0.00001	0.00004	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003779914

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

24-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 18 January 2024
LR Report: **CA10169-JAN24**
Reference: Wk#38

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#38	6: CV5-DMS-HCT-84 Wk#38
Sample Date & Time			18-Jan-24	18-Jan-24
HumCell Leachate Vol [mL]	23-Jan-24	09:01	999	996
pH [No unit]	19-Jan-24	10:27	6.09	6.29
Alkalinity [mg/L as CaCO3]	19-Jan-24	10:27	< 2	< 2
Conductivity [uS/cm]	19-Jan-24	10:27	2	4
Acidity [mg/L as CaCO3]	19-Jan-24	10:27	2	2
Tot.Reactive P [mg/L]	23-Jan-24	11:10	< 0.03	< 0.03
SO4 [mg/L]	22-Jan-24	19:03	< 2	< 2
Ag [mg/L]	23-Jan-24	13:41	< 0.00005	< 0.00005
Al [mg/L]	23-Jan-24	13:41	0.019	0.020
As [mg/L]	23-Jan-24	13:41	0.0056	0.0049
Ba [mg/L]	23-Jan-24	13:41	< 0.00008	< 0.00008
Be [mg/L]	23-Jan-24	13:41	0.000013	0.000007
B [mg/L]	23-Jan-24	13:41	< 0.002	< 0.002
Bi [mg/L]	23-Jan-24	13:41	0.00003	0.00004
Ca [mg/L]	23-Jan-24	13:41	0.59	0.82
Cd [mg/L]	23-Jan-24	13:41	< 0.000003	< 0.000003
Co [mg/L]	23-Jan-24	13:41	0.000010	0.000015
Cr [mg/L]	23-Jan-24	13:41	< 0.00008	< 0.00008
Cu [mg/L]	23-Jan-24	13:41	0.0003	< 0.0002
Fe [mg/L]	23-Jan-24	13:41	< 0.007	< 0.007
K [mg/L]	23-Jan-24	13:41	0.070	0.082
Li [mg/L]	23-Jan-24	13:41	0.0003	0.0005
Mg [mg/L]	23-Jan-24	13:41	0.027	0.033
Mn [mg/L]	23-Jan-24	13:41	0.00060	0.00137
Mo [mg/L]	23-Jan-24	13:41	0.00026	0.00011
Na [mg/L]	23-Jan-24	13:41	0.02	0.02
Ni [mg/L]	23-Jan-24	13:41	0.0002	0.0003
Pb [mg/L]	23-Jan-24	13:41	< 0.00009	< 0.00009
Sb [mg/L]	23-Jan-24	13:41	0.0036	0.0034
Se [mg/L]	23-Jan-24	13:41	< 0.00004	< 0.00004
Sn [mg/L]	23-Jan-24	13:41	< 0.00006	< 0.00006
Sr [mg/L]	23-Jan-24	13:41	0.00143	0.00186
Ti [mg/L]	23-Jan-24	13:41	< 0.00007	< 0.00007

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10169-JAN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#38	6: CV5-DMS-HCT-84 Wk#38
Tl [mg/L]	23-Jan-24	13:41	0.000010	0.000011
U [mg/L]	23-Jan-24	13:41	0.00184	0.00261
V [mg/L]	23-Jan-24	13:41	0.00002	0.00001
W [mg/L]	23-Jan-24	13:41	0.00006	< 0.00002
Y [mg/L]	23-Jan-24	13:41	< 0.00002	< 0.00002
Zn [mg/L]	23-Jan-24	13:41	< 0.002	< 0.002
pH Check <2 [pH]	23-Jan-24	13:41	1.00	1.00



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003600118

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 18 January 2024
LR Report: **CA10170-JAN24**
Reference: Wk#38

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#38	6: CV5-WR-HCT-5 Wk#38	7: CV5-WR-HCT-5 (DUP) Wk#38	8: CV5-WR-HCT-14 Wk#38
Sample Date & Time			18-Jan-24	18-Jan-24	18-Jan-24	18-Jan-24
HumCell Leachate Vol [mL]	23-Jan-24	09:02	949	920	954	983
pH [No unit]	19-Jan-24	11:17	6.60	6.78	6.76	7.47
Alkalinity [mg/L as CaCO3]	19-Jan-24	11:17	2	3	2	12
Conductivity [uS/cm]	19-Jan-24	11:17	33	20	16	29
Acidity [mg/L as CaCO3]	23-Jan-24	15:14	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	24-Jan-24	08:05	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	22-Jan-24	19:03	12	4	3	2
Ag [mg/L]	23-Jan-24	13:42	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	23-Jan-24	13:42	0.026	0.029	0.034	0.096
As [mg/L]	23-Jan-24	13:42	0.0036	0.169	0.124	0.0374
Ba [mg/L]	23-Jan-24	13:42	0.00018	0.00015	0.00012	< 0.00008
Be [mg/L]	23-Jan-24	13:42	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	23-Jan-24	13:42	0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	23-Jan-24	13:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	23-Jan-24	13:42	4.84	3.23	2.56	5.21
Cd [mg/L]	23-Jan-24	13:42	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	23-Jan-24	13:42	0.000104	0.000243	0.000212	0.000077
Cr [mg/L]	23-Jan-24	13:42	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	23-Jan-24	13:42	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	23-Jan-24	13:42	< 0.007	< 0.007	< 0.007	0.007
K [mg/L]	23-Jan-24	13:42	0.175	0.095	0.072	0.036
Li [mg/L]	23-Jan-24	13:42	0.0072	0.0091	0.0070	0.0045
Mg [mg/L]	23-Jan-24	13:42	0.298	0.193	0.163	0.225
Mn [mg/L]	23-Jan-24	13:42	0.00094	0.00129	0.00139	0.00517
Mo [mg/L]	23-Jan-24	13:42	0.00085	0.00493	0.00035	0.00054
Na [mg/L]	23-Jan-24	13:42	0.11	0.06	0.04	0.24
Ni [mg/L]	23-Jan-24	13:42	0.0004	0.0014	0.0008	0.0001

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003609166

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10170-JAN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#38	6: CV5-WR-HCT-5 Wk#38	7: CV5-WR-HCT-5 (DUP) Wk#38	8: CV5-WR-HCT-14 Wk#38
Pb [mg/L]	23-Jan-24	13:42	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	23-Jan-24	13:42	0.0027	0.0431	0.0250	0.0046
Se [mg/L]	23-Jan-24	13:42	0.00016	< 0.00004	< 0.00004	0.00008
Sn [mg/L]	23-Jan-24	13:42	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	23-Jan-24	13:42	0.0112	0.00584	0.00519	0.00433
Ti [mg/L]	23-Jan-24	13:42	0.00010	0.00021	0.00013	0.00035
Tl [mg/L]	23-Jan-24	13:42	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	23-Jan-24	13:42	0.00261	0.000022	0.000061	0.00337
V [mg/L]	23-Jan-24	13:42	0.00031	0.00045	0.00041	0.00258
W [mg/L]	23-Jan-24	13:42	0.00003	0.00006	0.00006	< 0.00002
Y [mg/L]	23-Jan-24	13:42	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	23-Jan-24	13:42	< 0.002	< 0.002	< 0.002	< 0.002
pH Check <2 [pH]	23-Jan-24	13:42	1.00	1.00	1.00	1.00

Analysis	9: CV5-WR-HCT-22 Wk#38	10: CV5-WR-HCT-33 Wk#38	11: CV5-WR-HCT-36 Wk#38	12: CV5-WR-HCT-39 Wk#38	13: CV5-WR-HCT-50 Wk#38	14: CV5-WR-HCT-56 Wk#38
Sample Date & Time	18-Jan-24	18-Jan-24	18-Jan-24	18-Jan-24	18-Jan-24	18-Jan-24
HumCell Leachate Vol [mL]	997	1020	996	998	996	953
pH [No unit]	6.89	7.10	7.10	6.74	6.97	6.99
Alkalinity [mg/L as CaCO3]	5	8	8	4	7	7
Conductivity [uS/cm]	12	18	20	26	56	31
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	4	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.50	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	6	12	7
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.026	0.053	0.002	0.015	0.016	0.042
As [mg/L]	0.129	0.0039	1.61	0.0254	0.0049	0.0124
Ba [mg/L]	0.00016	0.00016	0.00071	0.00017	0.00036	0.00031
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.006	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.87	2.99	2.73	3.32	8.04	4.70
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	0.000006	0.000041	< 0.000003
Co [mg/L]	0.000167	0.000069	0.000397	0.000173	0.00226	0.000060
Cr [mg/L]	< 0.00008	< 0.00008	0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0003	0.0009	< 0.0002	< 0.0002	0.0003	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.050	0.054	0.051	0.212	0.229	0.186
Li [mg/L]	0.0053	0.0038	0.0026	0.0093	0.0152	0.0029
Mg [mg/L]	0.241	0.109	0.631	0.372	0.130	0.220

OnLine LIMS

0003609166

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10170-JAN24**

Analysis	9: CV5-WR-HCT-22 Wk#38	10: CV5-WR-HCT-33 Wk#38	11: CV5-WR-HCT-36 Wk#38	12: CV5-WR-HCT-39 Wk#38	13: CV5-WR-HCT-50 Wk#38	14: CV5-WR-HCT-56 Wk#38
Mn [mg/L]	0.00068	0.0102	0.00186	0.00240	0.0103	0.00691
Mo [mg/L]	0.00167	0.00224	0.00031	0.00021	0.00032	0.00023
Na [mg/L]	0.12	0.09	0.02	0.10	0.12	0.06
Ni [mg/L]	0.0007	0.0003	0.0122	0.0006	0.0019	0.0003
Pb [mg/L]	0.00017	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0060	0.0018	0.599	0.0166	0.0240	< 0.0009
Se [mg/L]	0.00007	0.00007	< 0.00004	0.00007	0.00066	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00586	0.00311	0.00335	0.00896	0.00662	0.00476
Ti [mg/L]	0.00024	0.00009	< 0.00007	0.00014	< 0.00007	0.00017
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000005	0.000021	< 0.000005
U [mg/L]	0.00224	0.000057	0.000076	0.000976	0.00318	0.000416
V [mg/L]	0.00108	0.00058	0.00016	0.00033	0.00006	0.00031
W [mg/L]	0.00002	0.00004	0.00008	0.00003	< 0.00002	0.00005
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.008	< 0.002
pH Check <2 [pH]	1.00	1.00	1.00	1.00	1.00	1.00

Analysis	15: CV5-WR-HCT-59 Wk#38	16: CV5-WR-HCT-62 Wk#38	17: CV5-WR-HCT-64 Wk#38	18: CV5-WR-HCT-69 Wk#38	19: CV5-ORE-HCT-74 Wk#38	20: CV5-ORE-HCT-76 Wk#38
Sample Date & Time	18-Jan-24	18-Jan-24	18-Jan-24	18-Jan-24	18-Jan-24	18-Jan-24
HumCell Leachate Vol [mL]	996	926	995	998	1000	1007
pH [No unit]	6.56	7.12	6.91	6.97	6.60	7.04
Alkalinity [mg/L as CaCO3]	2	9	5	6	2	8
Conductivity [uS/cm]	14	26	11	12	5	16
Acidity [mg/L as CaCO3]	3	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.03	0.15	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	3	3	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.004	0.001	0.029	0.071	0.021	0.031
As [mg/L]	0.238	0.654	0.0079	0.0039	0.0093	0.0025
Ba [mg/L]	0.00010	0.00041	0.00017	< 0.00008	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	< 0.000007	0.000009	0.000082	0.000007	0.000044
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00027	< 0.00001	0.00008
Ca [mg/L]	1.79	3.11	1.85	2.25	0.71	2.68
Cd [mg/L]	0.000004	< 0.000003	0.000007	0.000006	0.000007	< 0.000003
Co [mg/L]	0.000916	0.000602	0.000012	0.000008	0.000016	0.000016
Cr [mg/L]	0.00009	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0004	< 0.0002	0.0002	0.0003	< 0.0002	< 0.0002

OnLine LIMS

0003609196

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10170-JAN24**

Analysis	15: CV5-WR-HCT-59 Wk#38	16: CV5-WR-HCT-62 Wk#38	17: CV5-WR-HCT-64 Wk#38	18: CV5-WR-HCT-69 Wk#38	19: CV5-ORE-HCT-74 Wk#38	20: CV5-ORE-HCT-76 Wk#38
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.041	0.024	0.193	0.073	0.102	0.248
Li [mg/L]	0.0018	0.0004	0.0017	0.0014	0.0073	0.0069
Mg [mg/L]	0.348	0.844	0.057	0.032	0.015	0.109
Mn [mg/L]	0.00211	0.00275	0.00520	0.00250	0.0536	0.00133
Mo [mg/L]	0.00063	0.00052	0.00806	0.00019	0.00051	0.00044
Na [mg/L]	0.06	< 0.01	0.04	0.10	0.08	0.07
Ni [mg/L]	0.0079	0.0091	0.0002	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	0.00018	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0050	0.560	0.0019	0.0015	0.0108	0.0011
Se [mg/L]	< 0.00004	0.00007	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00791	0.00194	0.00264	0.00396	0.00112	0.00606
Ti [mg/L]	0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000005	< 0.000005	0.000030	< 0.000005	0.000030	0.000018
U [mg/L]	0.00174	0.000110	0.000697	0.00358	0.000909	0.00200
V [mg/L]	0.00034	0.00015	0.00002	0.00007	0.00002	0.00006
W [mg/L]	0.00009	0.00006	0.00004	0.00004	0.00003	0.00005
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
pH Check <2 [pH]	1.00	1.00	1.00	1.00	1.00	1.00



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003690166

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

01-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 22 February 2024
LR Report: **CA10177-FEB24**
Reference: Wk#43

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#43	6: CV5-DMS-HCT-84 Wk#43
Sample Date & Time			22-Feb-24	22-Feb-24
HumCell Leachate Vol [mL]	23-Feb-24	14:45	1004	981
pH [No unit]	23-Feb-24	12:10	6.29	6.03
Alkalinity [mg/L as CaCO3]	23-Feb-24	12:10	< 2	< 2
Conductivity [uS/cm]	26-Feb-24	11:23	< 2	2
Acidity [mg/L as CaCO3]	23-Feb-24	12:10	2	2
Tot.Reactive P [mg/L]	26-Feb-24	08:40	< 0.03	< 0.03
SO4 [mg/L]	28-Feb-24	16:23	< 2	< 2
Ag [mg/L]	28-Feb-24	11:35	< 0.00005	< 0.00005
Al [mg/L]	28-Feb-24	11:35	0.013	0.011
As [mg/L]	28-Feb-24	11:35	0.0039	0.0028
Ba [mg/L]	28-Feb-24	11:35	0.00008	< 0.00008
Be [mg/L]	28-Feb-24	11:35	0.000007	0.000007
B [mg/L]	28-Feb-24	11:35	< 0.002	< 0.002
Bi [mg/L]	28-Feb-24	11:35	0.00003	0.00004
Ca [mg/L]	28-Feb-24	11:35	0.31	0.28
Cd [mg/L]	28-Feb-24	11:35	< 0.000003	0.000003
Co [mg/L]	28-Feb-24	11:35	0.000004	0.000006
Cr [mg/L]	28-Feb-24	11:35	< 0.00008	< 0.00008
Cu [mg/L]	28-Feb-24	11:35	< 0.001	< 0.001
Fe [mg/L]	28-Feb-24	11:35	< 0.007	< 0.007
K [mg/L]	28-Feb-24	11:35	0.049	0.045
Li [mg/L]	28-Feb-24	11:35	0.0005	0.0005
Mg [mg/L]	28-Feb-24	11:35	0.011	0.010
Mn [mg/L]	28-Feb-24	11:35	0.00061	0.00093
Mo [mg/L]	28-Feb-24	11:35	0.0004	< 0.0004
Na [mg/L]	28-Feb-24	11:35	0.02	0.03
Ni [mg/L]	28-Feb-24	11:35	< 0.0001	< 0.0001
Pb [mg/L]	28-Feb-24	11:35	< 0.00009	< 0.00009
Sb [mg/L]	28-Feb-24	11:35	0.0012	0.0011
Se [mg/L]	28-Feb-24	11:35	< 0.00004	< 0.00004
Sn [mg/L]	28-Feb-24	11:35	< 0.00006	< 0.00006
Sr [mg/L]	28-Feb-24	11:35	0.00079	0.00073
Ti [mg/L]	28-Feb-24	11:35	< 0.0001	< 0.0001
Tl [mg/L]	28-Feb-24	11:35	0.000009	0.000010
U [mg/L]	28-Feb-24	11:35	0.00109	0.00117

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10177-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#43	6: CV5-DMS-HCT-84 Wk#43
V [mg/L]	28-Feb-24	11:35	0.00002	0.00004
W [mg/L]	28-Feb-24	11:35	< 0.0002	< 0.0002
Y [mg/L]	28-Feb-24	11:35	< 0.00002	< 0.00002
Zn [mg/L]	28-Feb-24	11:35	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003636848

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

01-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 22 February 2024
LR Report: **CA10178-FEB24**
Reference: Wk#43

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#43	6: CV5-WR-HCT -5 Wk#43	7: CV5-WR-HCT- 5 (DUP) Wk#43	8: CV5-WR-HCT -14 Wk#43	9: CV5-WR-HCT -22 Wk#43
Sample Date & Time			22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
HumCell Leachate Vol [mL]	23-Feb-24	14:46	920	913	944	953	918
pH [No unit]	26-Feb-24	11:23	6.78	6.98	6.86	7.79	6.86
Alkalinity [mg/L as CaCO3]	26-Feb-24	13:02	3	4	3	13	2
Conductivity [uS/cm]	23-Feb-24	12:13	32	18	15	29	9
Acidity [mg/L as CaCO3]	26-Feb-24	13:02	2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	26-Feb-24	13:39	< 0.03	< 0.03	< 0.03	< 0.03	0.03
SO4 [mg/L]	28-Feb-24	16:24	10	4	3	2	< 2
Ag [mg/L]	28-Feb-24	11:36	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Feb-24	11:36	0.020	0.023	0.024	0.108	0.045
As [mg/L]	28-Feb-24	11:36	0.0035	0.169	0.119	0.0375	0.125
Ba [mg/L]	28-Feb-24	11:36	0.00019	0.00069	0.00022	0.00009	0.00020
Be [mg/L]	28-Feb-24	11:36	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	28-Feb-24	11:36	< 0.002	0.003	< 0.002	< 0.002	< 0.002
Bi [mg/L]	28-Feb-24	11:36	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-Feb-24	11:36	4.24	2.83	2.36	5.19	1.34
Cd [mg/L]	28-Feb-24	11:36	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	28-Feb-24	11:36	0.000126	0.000198	0.000213	0.000070	0.000232
Cr [mg/L]	28-Feb-24	11:36	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00017
Cu [mg/L]	28-Feb-24	11:36	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	28-Feb-24	11:36	< 0.007	< 0.007	< 0.007	0.008	0.022
K [mg/L]	28-Feb-24	11:36	0.141	0.078	0.060	0.030	0.032
Li [mg/L]	28-Feb-24	11:36	0.0061	0.0065	0.0056	0.0037	0.0046
Mg [mg/L]	28-Feb-24	11:36	0.228	0.140	0.124	0.198	0.191
Mn [mg/L]	28-Feb-24	11:36	0.00136	0.00119	0.00143	0.00557	0.00082
Mo [mg/L]	28-Feb-24	11:36	< 0.0004	< 0.0004	< 0.0004	0.0010	0.0010
Na [mg/L]	28-Feb-24	11:36	0.11	0.07	0.06	0.15	0.10
Ni [mg/L]	28-Feb-24	11:36	0.0004	0.0014	0.0010	0.0002	0.0007
Pb [mg/L]	28-Feb-24	11:36	0.00013	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-Feb-24	11:36	0.0024	0.0354	0.0187	0.0034	0.0045

OnLine LIMS

0003636896

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10178-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#43	6: CV5-WR-HCT -5 Wk#43	7: CV5-WR-HCT-5 (DUP) Wk#43	8: CV5-WR-HCT -14 Wk#43	9: CV5-WR-HCT -22 Wk#43
Se [mg/L]	28-Feb-24	11:36	0.00019	0.00006	< 0.00004	0.00010	< 0.00004
Sn [mg/L]	28-Feb-24	11:36	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	28-Feb-24	11:36	0.00944	0.00527	0.00493	0.00396	0.00466
Ti [mg/L]	28-Feb-24	11:36	< 0.0001	0.00012	0.00012	0.00038	0.00080
Tl [mg/L]	28-Feb-24	11:36	0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005
U [mg/L]	28-Feb-24	11:36	0.00806	0.000032	0.000015	0.00601	0.000189
V [mg/L]	28-Feb-24	11:36	0.00022	0.00041	0.00034	0.00249	0.00096
W [mg/L]	28-Feb-24	11:36	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	28-Feb-24	11:36	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	28-Feb-24	11:36	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#43	11: CV5-WR-HCT -36 Wk#43	12: CV5-WR-HCT -39 Wk#43	13: CV5-WR-HCT -50 Wk#43	14: CV5-WR-HCT -56 Wk#43	15: CV5-WR-HCT -59 Wk#43	16: CV5-WR-HCT -62 Wk#43
Sample Date & Time	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
HumCell Leachate Vol [mL]	993	993	990	1008	934	941	900
pH [No unit]	7.25	7.06	6.55	7.22	7.45	6.47	7.71
Alkalinity [mg/L as CaCO3]	7	5	2	10	8	< 2	9
Conductivity [uS/cm]	17	15	20	58	28	18	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	3	< 2
Tot.Reactive P [mg/L]	< 0.03	0.39	< 0.03	< 0.03	< 0.03	< 0.03	0.20
SO4 [mg/L]	< 2	< 2	6	9	6	5	3
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.054	< 0.001	0.009	0.020	0.042	0.012	0.001
As [mg/L]	0.0046	1.42	0.0172	0.0039	0.0125	0.172	0.788
Ba [mg/L]	0.00041	0.00050	0.00022	0.00051	0.00054	0.00017	0.00044
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.001192	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	3.35	2.11	2.28	7.02	4.89	2.62	3.03
Cd [mg/L]	0.000003	< 0.000003	0.000003	0.000062	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000112	0.000410	0.000133	0.003162	0.000052	0.001137	0.000373
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00020	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.013	< 0.007
K [mg/L]	0.089	0.032	0.113	0.168	0.174	0.031	0.025
Li [mg/L]	0.0030	0.0018	0.0054	0.0115	0.0025	0.0017	0.0003
Mg [mg/L]	0.093	0.477	0.231	0.083	0.173	0.354	0.732
Mn [mg/L]	0.0122	0.00162	0.00170	0.0121	0.00896	0.00280	0.00272
Mo [mg/L]	< 0.0004	< 0.0004	0.0009	< 0.0004	0.0028	< 0.0004	< 0.0004
Na [mg/L]	0.17	0.03	0.08	0.10	0.07	0.03	0.02
Ni [mg/L]	0.0005	0.0119	0.0006	0.0022	0.0002	0.0081	0.0069
Pb [mg/L]	0.00031	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0016	0.409	0.0096	0.0193	< 0.0009	0.0028	0.651

OnLine LIMS

00036368896

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10178-FEB24**

Analysis	10: CV5-WR-HCT -33 Wk#43	11: CV5-WR-HCT -36 Wk#43	12: CV5-WR-HCT -39 Wk#43	13: CV5-WR-HCT -50 Wk#43	14: CV5-WR-HCT -56 Wk#43	15: CV5-WR-HCT -59 Wk#43	16: CV5-WR-HCT -62 Wk#43
Se [mg/L]	0.00010	0.00005	0.00007	0.00070	0.00006	< 0.00004	0.00009
Sn [mg/L]	0.00016	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00365	0.00248	0.00652	0.00528	0.00438	0.00983	0.00180
Ti [mg/L]	0.00011	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00024	< 0.0001
Tl [mg/L]	< 0.000005	0.000006	0.000005	0.000025	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000847	0.000849	0.000415	0.00186	0.000270	0.000230	0.000091
V [mg/L]	0.00058	0.00013	0.00020	0.00014	0.00027	0.00025	0.00013
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.008	< 0.002	< 0.002	0.010	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT -64 Wk#43	18: CV5-WR-HCT -69 Wk#43	19: CV5-ORE-HCT-74 Wk#43	20: CV5-ORE-HCT-76 Wk#43
Sample Date & Time	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
HumCell Leachate Vol [mL]	929	955	1004	1009
pH [No unit]	7.00	6.89	6.68	7.19
Alkalinity [mg/L as CaCO3]	2	3	2	6
Conductivity [uS/cm]	4	7	3	18
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.041	0.041	0.014	0.027
As [mg/L]	0.0052	0.0022	0.0089	0.0032
Ba [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Be [mg/L]	0.000012	0.000091	0.000007	0.000029
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00010	< 0.00001	0.00009
Ca [mg/L]	0.80	1.11	0.63	2.58
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000013	0.000008	0.000008	0.000006
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.142	0.034	0.086	0.186
Li [mg/L]	0.0012	0.0009	0.0061	0.0059
Mg [mg/L]	0.029	0.015	0.010	0.084
Mn [mg/L]	0.00288	0.00172	0.0630	0.00088
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.08	0.08	0.08
Ni [mg/L]	0.0001	< 0.0001	< 0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0012	0.0010	0.0086	0.0010

OnLine LIMS

00036896

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10178-FEB24**

Analysis	17: CV5-WR-HCT-64 Wk#43	18: CV5-WR-HCT-69 Wk#43	19: CV5-ORE-HCT-74 Wk#43	20: CV5-ORE-HCT-76 Wk#43
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00129	0.00208	0.00112	0.00558
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000047	0.000007	0.000031	0.000017
U [mg/L]	0.000959	0.00287	0.000794	0.00893
V [mg/L]	0.00001	0.00004	0.00004	0.00005
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003636896

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

12-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 25 April 2024
LR Report: **CA10180-APR24**
Reference: Wk#52

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#52	6: CV5-DMS-HCT-84 Wk#52
Sample Date & Time			25-Apr-24	25-Apr-24
HumCell Leachate Vol [mL]	29-Apr-24	09:10	1005	986
pH [No unit]	26-Apr-24	10:48	6.12	6.05
Alkalinity [mg/L as CaCO3]	26-Apr-24	10:48	< 2	< 2
Conductivity [uS/cm]	26-Apr-24	10:48	< 2	< 2
Acidity [mg/L as CaCO3]	26-Apr-24	10:48	3	3
Tot.Reactive P [mg/L]	26-Apr-24	10:07	< 0.03	< 0.03
SO4 [mg/L]	08-May-24	13:23	< 2	< 2
Ag [mg/L]	30-Apr-24	14:01	< 0.00005	< 0.00005
Al [mg/L]	30-Apr-24	14:01	0.010	0.009
As [mg/L]	30-Apr-24	14:01	0.0030	0.0025
Ba [mg/L]	30-Apr-24	14:01	< 0.00008	< 0.00008
Be [mg/L]	30-Apr-24	14:01	0.000011	< 0.000007
B [mg/L]	30-Apr-24	14:01	< 0.002	< 0.002
Bi [mg/L]	30-Apr-24	14:01	0.00003	0.00003
Ca [mg/L]	30-Apr-24	14:01	0.31	0.32
Cd [mg/L]	30-Apr-24	14:01	< 0.000003	< 0.000003
Co [mg/L]	30-Apr-24	14:01	0.000012	0.000018
Cr [mg/L]	30-Apr-24	14:01	< 0.00008	< 0.00008
Cu [mg/L]	30-Apr-24	14:01	< 0.001	< 0.001
Fe [mg/L]	30-Apr-24	14:01	< 0.007	< 0.007
K [mg/L]	30-Apr-24	14:01	0.037	0.035
Li [mg/L]	30-Apr-24	14:01	0.0002	0.0002
Mg [mg/L]	30-Apr-24	14:01	0.011	0.011
Mn [mg/L]	30-Apr-24	14:01	0.00078	0.00134
Mo [mg/L]	30-Apr-24	14:01	< 0.0004	< 0.0004
Na [mg/L]	30-Apr-24	14:01	0.02	0.02
Ni [mg/L]	30-Apr-24	14:01	< 0.0001	0.0001
Pb [mg/L]	30-Apr-24	14:01	< 0.00009	< 0.00009
Sb [mg/L]	30-Apr-24	14:01	0.0013	0.0012
Se [mg/L]	30-Apr-24	14:01	< 0.00004	< 0.00004
Sn [mg/L]	30-Apr-24	14:01	< 0.00006	0.00011
Sr [mg/L]	30-Apr-24	14:01	0.00072	0.00073
Ti [mg/L]	30-Apr-24	14:01	< 0.0001	< 0.0001
Tl [mg/L]	30-Apr-24	14:01	0.000007	0.000007
U [mg/L]	30-Apr-24	14:01	0.000619	0.000803

OnLine LIMS

00037088823

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10180-APR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#52	6: CV5-DMS-HCT-84 Wk#52
V [mg/L]	30-Apr-24	14:01	0.00002	0.00001
W [mg/L]	30-Apr-24	14:01	< 0.0002	< 0.0002
Y [mg/L]	30-Apr-24	14:01	< 0.00002	< 0.00002
Zn [mg/L]	30-Apr-24	14:01	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003708823

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

12-May-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 25 April 2024
LR Report: **CA10181-APR24**
Reference: Wk#52

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#52	6: CV5-WR-HCT-5 Wk#52	7: CV5-WR-HCT-5 (DUP) Wk#52	8: CV5-WR-HCT-14 Wk#52	9: CV5-WR-HCT-22 Wk#52	10: CV5-WR-HCT-33 Wk#52
Sample Date & Time			25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24
HumCell Leachate Vol [mL]	29-Apr-24	09:10	952	946	970	1007	1002	1000
pH [No unit]	29-Apr-24	11:12	6.81	7.03	6.86	7.85	7.02	7.45
Alkalinity [mg/L as CaCO3]	29-Apr-24	12:27	2	4	3	13	4	7
Conductivity [uS/cm]	26-Apr-24	11:48	27	16	11	27	10	15
Acidity [mg/L as CaCO3]	29-Apr-24	14:47	<2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	26-Apr-24	10:08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	08-May-24	13:23	8	3	< 2	< 2	< 2	< 2
Ag [mg/L]	30-Apr-24	14:02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	30-Apr-24	14:02	0.020	0.021	0.021	0.093	0.019	0.066
As [mg/L]	30-Apr-24	14:02	0.0023	0.127	0.0921	0.0277	0.0957	0.0039
Ba [mg/L]	30-Apr-24	14:02	0.00021	0.00014	0.00012	0.00009	0.00014	0.00020
Be [mg/L]	30-Apr-24	14:02	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	30-Apr-24	14:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	30-Apr-24	14:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	30-Apr-24	14:02	4.50	2.90	1.99	5.22	1.84	3.05
Cd [mg/L]	30-Apr-24	14:02	0.000021	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	30-Apr-24	14:02	0.000128	0.000213	0.000188	0.000049	0.000125	0.000074
Cr [mg/L]	30-Apr-24	14:02	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	30-Apr-24	14:02	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	30-Apr-24	14:02	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	30-Apr-24	14:02	0.130	0.051	0.044	0.017	0.025	0.031
Li [mg/L]	30-Apr-24	14:02	0.0048	0.0051	0.0040	0.0031	0.0042	0.0020
Mg [mg/L]	30-Apr-24	14:02	0.188	0.116	0.094	0.161	0.197	0.071
Mn [mg/L]	30-Apr-24	14:02	0.00141	0.00094	0.00114	0.00525	0.00085	0.00953
Mo [mg/L]	30-Apr-24	14:02	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	30-Apr-24	14:02	0.09	0.04	0.03	0.11	0.07	0.08
Ni [mg/L]	30-Apr-24	14:02	0.0004	0.0014	0.0009	0.0002	0.0004	< 0.0001
Pb [mg/L]	30-Apr-24	14:02	0.00018	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	30-Apr-24	14:02	0.0016	0.0273	0.0139	0.0031	0.0043	0.0011
Se [mg/L]	30-Apr-24	14:02	0.00011	< 0.00004	< 0.00004	0.00011	0.00004	0.00006
Sn [mg/L]	30-Apr-24	14:02	0.00009	0.00009	0.00006	0.00012	< 0.00006	0.00007
Sr [mg/L]	30-Apr-24	14:02	0.00773	0.00381	0.00331	0.00337	0.00461	0.00268
Ti [mg/L]	30-Apr-24	14:02	< 0.0001	< 0.0001	< 0.0001	0.00012	< 0.0001	< 0.0001
Tl [mg/L]	30-Apr-24	14:02	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	30-Apr-24	14:02	0.000107	0.000017	0.000016	0.000132	0.000153	0.000032

OnLine LIMS

00037088827

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10181-APR24

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#52	6: CV5-WR-HCT-5 Wk#52	7: CV5-WR-HCT-5 (DUP) Wk#52	8: CV5-WR-HCT-14 Wk#52	9: CV5-WR-HCT-22 Wk#52	10: CV5-WR-HCT-33 Wk#52
V [mg/L]	30-Apr-24	14:02	0.00020	0.00038	0.00033	0.00194	0.00091	0.00049
W [mg/L]	30-Apr-24	14:02	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	30-Apr-24	14:02	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	30-Apr-24	14:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-36 Wk#52	12: CV5-WR-HCT-39 Wk#52	13: CV5-WR-HCT-50 Wk#52	14: CV5-WR-HCT-56 Wk#52	15: CV5-WR-HCT-59 Wk#52	16: CV5-WR-HCT-62 Wk#52	17: CV5-WR-HCT-64 Wk#52	18: CV5-WR-HCT-69 Wk#52
Sample Date & Time	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24	25-Apr-24
HumCell Leachate Vol [mL]	989	1004	995	1003	1000	949	1001	1018
pH [No unit]	7.21	6.78	7.25	7.41	6.21	7.44	7.14	7.30
Alkalinity [mg/L as CaCO3]	7	2	9	7	< 2	9	4	7
Conductivity [uS/cm]	16	19	48	27	13	24	9	12
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	4	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.29	< 0.03	< 0.03	< 0.03	< 0.03	0.15	< 0.03	< 0.03
SO4 [mg/L]	< 2	5	6	5	4	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.001	0.008	0.029	0.042	0.002	< 0.001	0.023	0.055
As [mg/L]	1.12	0.0159	0.0032	0.0089	0.134	0.662	0.0048	0.0024
Ba [mg/L]	0.00045	0.00014	0.00025	0.00033	0.00020	0.00031	< 0.00008	0.00014
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000010	0.000065
B [mg/L]	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00018
Ca [mg/L]	2.34	2.59	6.79	5.16	1.76	3.48	1.56	2.35
Cd [mg/L]	< 0.000003	0.000009	0.000056	< 0.000003	< 0.000003	< 0.000003	0.000008	< 0.000003
Co [mg/L]	0.000430	0.000164	0.00288	0.000057	0.00207	0.000500	0.000009	0.000029
Cr [mg/L]	0.00009	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00010	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.023	0.111	0.126	0.118	0.016	0.012	0.120	0.051
Li [mg/L]	0.0015	0.0052	0.0082	0.0017	0.0013	0.0002	0.0010	0.0011
Mg [mg/L]	0.482	0.239	0.065	0.135	0.284	0.736	0.034	0.024
Mn [mg/L]	0.00174	0.00202	0.00874	0.00583	0.00432	0.00255	0.00464	0.00269
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0005	< 0.0004
Na [mg/L]	0.02	0.07	0.10	0.05	0.03	< 0.01	0.03	0.10
Ni [mg/L]	0.0102	0.0006	0.0020	0.0002	0.0166	0.0073	0.0002	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.370	0.0112	0.0149	< 0.0009	0.0034	0.407	0.0011	0.0013
Se [mg/L]	< 0.00004	0.00007	0.00053	< 0.00004	< 0.00004	0.00011	< 0.00004	< 0.00004
Sn [mg/L]	0.00009	< 0.00006	0.00006	< 0.00006	0.00008	< 0.00006	0.00010	0.00010
Sr [mg/L]	0.00210	0.00562	0.00392	0.00405	0.00655	0.00161	0.00175	0.00370
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000005	0.000020	< 0.000005	0.000005	< 0.000005	0.000024	0.000006
U [mg/L]	0.000016	0.000342	0.00130	0.000328	0.000006	0.000097	0.000402	0.00316
V [mg/L]	0.00015	0.00023	0.00005	0.00024	0.00021	0.00018	0.00002	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.007	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	19: CV5-ORE-HCT-74 Wk#52	20: CV5-ORE-HCT-76 Wk#52
Sample Date & Time	25-Apr-24	25-Apr-24

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

OnLine LIMS

00037088827

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-APR24**

Analysis	19: CV5-ORE-HCT-74 Wk#52	20: CV5-ORE-HCT-76 Wk#52
HumCell Leachate Vol [mL]	999	1006
pH [No unit]	6.64	7.34
Alkalinity [mg/L as CaCO3]	2	8
Conductivity [uS/cm]	3	15
Acidity [mg/L as CaCO3]	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.011	0.026
As [mg/L]	0.0064	0.0019
Ba [mg/L]	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000022
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00007
Ca [mg/L]	0.55	2.63
Cd [mg/L]	0.000003	< 0.000003
Co [mg/L]	0.000010	0.000035
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.071	0.151
Li [mg/L]	0.0059	0.0051
Mg [mg/L]	0.009	0.073
Mn [mg/L]	0.0618	0.00061
Mo [mg/L]	< 0.0004	< 0.0004
Na [mg/L]	0.07	0.06
Ni [mg/L]	< 0.0001	0.0002
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0067	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	0.00009	0.00010
Sr [mg/L]	0.00085	0.00472
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000025	0.000014
U [mg/L]	0.000437	0.000912
V [mg/L]	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00037088827

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

17-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 30 May 2024
LR Report: **CA10199-MAY24**
Reference: Wk#57

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#57	6: CV5-DMS-HCT-84 Wk#57
Sample Date & Time			30-May-24	30-May-24
HumCell Leachate Vol [mL]	31-May-24	10:29	995	995
pH [No unit]	03-Jun-24	15:39	5.94	6.21
Alkalinity [mg/L as CaCO3]	03-Jun-24	15:40	< 2	< 2
Conductivity [uS/cm]	03-Jun-24	15:40	< 2	< 2
Acidity [mg/L as CaCO3]	03-Jun-24	15:40	2	2
Tot.Reactive P [mg/L]	03-Jun-24	08:34	< 0.03	< 0.03
SO4 [mg/L]	04-Jun-24	19:58	< 2	< 2
Ag [mg/L]	05-Jun-24	09:01	< 0.00005	< 0.00005
Al [mg/L]	05-Jun-24	09:01	0.004	0.005
As [mg/L]	05-Jun-24	09:01	0.0023	0.0018
Ba [mg/L]	05-Jun-24	09:01	< 0.00008	< 0.00008
Be [mg/L]	05-Jun-24	09:01	0.000009	0.000007
B [mg/L]	05-Jun-24	09:01	< 0.002	< 0.002
Bi [mg/L]	05-Jun-24	09:01	0.00002	0.00002
Ca [mg/L]	05-Jun-24	09:01	0.24	0.29
Cd [mg/L]	05-Jun-24	09:01	0.000003	< 0.000003
Co [mg/L]	05-Jun-24	09:01	0.000035	0.000008
Cr [mg/L]	05-Jun-24	09:01	0.00012	0.00010
Cu [mg/L]	05-Jun-24	09:01	< 0.001	< 0.001
Fe [mg/L]	05-Jun-24	09:01	< 0.007	< 0.007
K [mg/L]	05-Jun-24	09:01	0.042	0.042
Li [mg/L]	05-Jun-24	09:01	0.0003	0.0003
Mg [mg/L]	05-Jun-24	09:01	0.010	0.010
Mn [mg/L]	05-Jun-24	09:01	0.00084	0.00145
Mo [mg/L]	05-Jun-24	09:01	< 0.0004	< 0.0004
Na [mg/L]	05-Jun-24	09:01	0.04	0.03
Ni [mg/L]	05-Jun-24	09:01	0.0003	0.0001
Pb [mg/L]	05-Jun-24	09:01	< 0.00009	< 0.00009
Sb [mg/L]	05-Jun-24	09:01	0.0011	0.0009
Se [mg/L]	05-Jun-24	09:01	< 0.00004	< 0.00004
Sn [mg/L]	05-Jun-24	09:01	< 0.00006	< 0.00006
Sr [mg/L]	05-Jun-24	09:01	0.00050	0.00059
Ti [mg/L]	05-Jun-24	09:01	< 0.0001	< 0.0001
Tl [mg/L]	05-Jun-24	09:01	< 0.000005	0.000005
U [mg/L]	05-Jun-24	09:01	0.000405	0.000607

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003748910

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10199-MAY24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#57	6: CV5-DMS-HCT-84 Wk#57
V [mg/L]	05-Jun-24	09:01	0.00004	0.00003
W [mg/L]	05-Jun-24	09:01	< 0.0002	< 0.0002
Y [mg/L]	05-Jun-24	09:01	< 0.00002	< 0.00002
Zn [mg/L]	05-Jun-24	09:01	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003748910

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

05-November-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 31 October 2024
LR Report: **CA10199-OCT24**
Reference: Wk#79

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#79	6: CV5-WR-HCT-5 Wk#79	7: CV5-WR-HCT-5 (DUP) Wk#79	8: CV5-WR-HCT-14 Wk#79	9: CV5-WR-HCT-22 Wk#79	10: CV5-WR-HCT-33 Wk#79	11: CV5-WR-HCT-36 Wk#79
Sample Date & Time			31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24
HumCell Leachate Vol [mL]	31-Oct-24	13:38	944	964	963	997	980	988	973
pH [No unit]	04-Nov-24	14:35	6.69	7.00	6.85	7.31	7.20	6.95	7.28
Conductivity [uS/cm]	01-Nov-24	11:47	33	21	14	24	13	13	13

Analysis	12: CV5-WR-HCT-39 Wk#79	13: CV5-WR-HCT-50 Wk#79	14: CV5-WR-HCT-56 Wk#79	15: CV5-WR-HCT-59 Wk#79	16: CV5-WR-HCT-62 Wk#79	17: CV5-WR-HCT-64 Wk#79	18: CV5-WR-HCT-69 Wk#79	19: CV5-ORE-HCT-74 Wk#79	20: CV5-ORE-HCT-76 Wk#79
Sample Date & Time	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24	31-Oct-24
HumCell Leachate Vol [mL]	910	983	998	1008	931	1014	1004	1009	972
pH [No unit]	6.51	6.82	7.01	6.50	7.14	6.92	6.92	6.47	6.73
Conductivity [uS/cm]	19	50	28	14	16	6	11	3	10



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003917175

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 30 May 2024
LR Report: **CA10200-MAY24**
Reference: Wk#57

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#57	6: CV5-WR-HCT-5 Wk#57	7: CV5-WR-HCT-5 (DUP) Wk#57	8: CV5-WR-HCT-14 Wk#57	9: CV5-WR-HCT-22 Wk#57	10: CV5-WR-HCT-33 Wk#57
Sample Date & Time			30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24
HumCell Leachate Vol [mL]	31-May-24	10:30	942	936	946	1005	984	1011
pH [No unit]	03-Jun-24	15:42	6.74	7.11	7.11	7.59	6.83	7.28
Alkalinity [mg/L as CaCO3]	03-Jun-24	15:43	2	3	3	13	2	5
Conductivity [uS/cm]	03-Jun-24	15:43	28	16	13	25	7	11
Acidity [mg/L as CaCO3]	03-Jun-24	15:42	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	03-Jun-24	14:53	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	04-Jun-24	19:59	9	3	3	2	< 2	< 2
Ag [mg/L]	05-Jun-24	09:01	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	05-Jun-24	09:01	0.014	0.018	0.017	0.071	0.014	0.043
As [mg/L]	05-Jun-24	09:01	0.0017	0.127	0.0771	0.0209	0.0647	0.0033
Ba [mg/L]	05-Jun-24	09:01	0.00017	0.00013	0.00011	0.00008	< 0.00008	0.00015
Be [mg/L]	05-Jun-24	09:01	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	05-Jun-24	09:01	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	05-Jun-24	09:01	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	05-Jun-24	09:01	4.89	2.76	2.24	4.83	1.08	2.13
Cd [mg/L]	05-Jun-24	09:01	0.000013	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	05-Jun-24	09:01	0.000116	0.000169	0.000183	0.000051	0.000138	0.000064
Cr [mg/L]	05-Jun-24	09:01	0.00010	0.00013	0.00012	0.00012	0.00019	0.00011
Cu [mg/L]	05-Jun-24	09:01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	05-Jun-24	09:01	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	05-Jun-24	09:01	0.123	0.063	0.056	0.031	0.032	0.035
Li [mg/L]	05-Jun-24	09:01	0.0039	0.0045	0.0039	0.0024	0.0029	0.0015
Mg [mg/L]	05-Jun-24	09:01	0.196	0.118	0.106	0.144	0.142	0.055
Mn [mg/L]	05-Jun-24	09:01	0.00141	0.00099	0.00169	0.00479	0.00041	0.00713
Mo [mg/L]	05-Jun-24	09:01	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	05-Jun-24	09:01	0.11	0.06	0.05	0.10	0.07	0.07
Ni [mg/L]	05-Jun-24	09:01	0.0005	0.0012	0.0008	0.0002	0.0005	0.0001
Pb [mg/L]	05-Jun-24	09:01	0.00074	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	05-Jun-24	09:01	0.0013	0.0245	0.0124	0.0021	0.0025	< 0.0009
Se [mg/L]	05-Jun-24	09:01	0.00011	< 0.00004	< 0.00004	0.00004	< 0.00004	< 0.00004
Sn [mg/L]	05-Jun-24	09:01	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	05-Jun-24	09:01	0.00678	0.00310	0.00294	0.00261	0.00261	0.00167
Ti [mg/L]	05-Jun-24	09:01	< 0.0001	0.0001	0.0001	0.0002	0.0001	< 0.0001
Tl [mg/L]	05-Jun-24	09:01	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	05-Jun-24	09:01	0.000062	0.000013	0.000008	0.000037	0.000089	0.000012

OnLine LIMS

00037468967

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10200-MAY24

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#57	6: CV5-WR-HCT-5 Wk#57	7: CV5-WR-HCT-5 (DUP) Wk#57	8: CV5-WR-HCT-14 Wk#57	9: CV5-WR-HCT-22 Wk#57	10: CV5-WR-HCT-33 Wk#57
V [mg/L]	05-Jun-24	09:01	0.00014	0.00031	0.00026	0.00133	0.00063	0.00036
W [mg/L]	05-Jun-24	09:01	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	05-Jun-24	09:01	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	05-Jun-24	09:01	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-36 Wk#57	12: CV5-WR-HCT-39 Wk#57	13: CV5-WR-HCT-50 Wk#57	14: CV5-WR-HCT-56 Wk#57	15: CV5-WR-HCT-59 Wk#57	16: CV5-WR-HCT-62 Wk#57	17: CV5-WR-HCT-64 Wk#57	18: CV5-WR-HCT-69 Wk#57
Sample Date & Time	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24
HumCell Leachate Vol [mL]	982	960	993	1010	992	937	1010	1017
pH [No unit]	7.24	6.26	7.04	7.27	6.39	7.23	6.95	7.08
Alkalinity [mg/L as CaCO3]	4	< 2	6	7	< 2	7	4	5
Conductivity [uS/cm]	12	17	40	25	11	19	7	10
Acidity [mg/L as CaCO3]	< 2	2	5	< 2	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.14	< 0.03	< 0.03	< 0.03	< 0.03	0.08	< 0.03	< 0.03
SO4 [mg/L]	< 2	5	7	5	4	3	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.001	0.008	0.016	0.031	0.002	< 0.001	0.018	0.045
As [mg/L]	0.725	0.0106	0.0024	0.0082	0.101	0.496	0.0041	0.0022
Ba [mg/L]	0.00041	0.00015	0.00022	0.00035	0.00014	0.00037	< 0.00008	0.00009
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000087
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00014
Ca [mg/L]	1.83	2.38	7.18	4.69	1.50	2.58	1.46	2.14
Cd [mg/L]	< 0.000003	0.000007	0.000048	< 0.000003	0.000011	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000392	0.000124	0.00347	0.000044	0.00201	0.000369	0.000010	0.000008
Cr [mg/L]	0.00015	0.00011	0.00012	0.00009	0.00019	0.00013	0.00011	0.00009
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.031	0.108	0.107	0.113	0.030	0.029	0.123	0.056
Li [mg/L]	0.0011	0.0044	0.0058	0.0015	0.0010	0.0002	0.0010	0.0010
Mg [mg/L]	0.436	0.222	0.070	0.124	0.245	0.740	0.032	0.023
Mn [mg/L]	0.00180	0.00144	0.00892	0.00450	0.00381	0.00207	0.00463	0.00246
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.08	0.08	0.06	0.04	0.03	0.05	0.10
Ni [mg/L]	0.0074	0.0004	0.0026	0.0002	0.0178	0.0057	0.0002	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00025	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.245	0.0062	0.0105	< 0.0009	0.0020	0.368	0.0011	0.0011
Se [mg/L]	< 0.00004	< 0.00004	0.00046	< 0.00004	< 0.00004	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00144	0.00484	0.00329	0.00321	0.00510	0.00109	0.00145	0.00299
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000014	< 0.000005	< 0.000005	< 0.000005	0.000021	< 0.000005
U [mg/L]	0.000014	0.000169	0.00120	0.000278	0.000006	0.000041	0.000290	0.00275
V [mg/L]	0.00012	0.00019	0.00006	0.00022	0.00014	0.00013	0.00005	0.00007
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.011	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	19: CV5-ORE-HCT-74 Wk#57	20: CV5-ORE-HCT-76 Wk#57
Sample Date & Time	30-May-24	30-May-24

OnLine LIMS

00037468967

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10200-MAY24**

Analysis	19: CV5-ORE-HCT-74 Wk#57	20: CV5-ORE-HCT-76 Wk#57
HumCell Leachate Vol [mL]	1021	1023
pH [No unit]	6.55	7.02
Alkalinity [mg/L as CaCO3]	2	6
Conductivity [uS/cm]	2	11
Acidity [mg/L as CaCO3]	2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.011	0.019
As [mg/L]	0.0071	0.0014
Ba [mg/L]	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000026
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00005
Ca [mg/L]	0.46	2.08
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000010	0.000009
Cr [mg/L]	0.00013	0.00013
Cu [mg/L]	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.078	0.140
Li [mg/L]	0.0048	0.0045
Mg [mg/L]	0.010	0.066
Mn [mg/L]	0.0494	0.00057
Mo [mg/L]	< 0.0004	< 0.0004
Na [mg/L]	0.08	0.07
Ni [mg/L]	0.0002	0.0002
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0063	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006
Sr [mg/L]	0.00071	0.00356
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000024	0.000011
U [mg/L]	0.000281	0.000651
V [mg/L]	0.00005	0.00006
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003748957

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

08-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 28 March 2024
LR Report: **CA10201-MAR24**
Reference: Wk#48

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#48	6: CV5-DMS-HCT-84 Wk#48
Sample Date & Time			28-Mar-24	28-Mar-24
HumCell Leachate Vol [mL]	01-Apr-24	12:45	973	963
pH [No unit]	02-Apr-24	11:32	6.39	6.26
Alkalinity [mg/L as CaCO3]	01-Apr-24	10:53	< 2	< 2
Conductivity [uS/cm]	03-Apr-24	12:24	< 2	2
Acidity [mg/L as CaCO3]	04-Apr-24	09:10	2	2
Tot.Reactive P [mg/L]	01-Apr-24	09:48	< 0.03	< 0.03
SO4 [mg/L]	01-Apr-24	20:01	< 2	< 2
Ag [mg/L]	02-Apr-24	14:27	< 0.00005	< 0.00005
Al [mg/L]	02-Apr-24	14:27	0.007	0.007
As [mg/L]	02-Apr-24	14:27	0.0025	0.0018
Ba [mg/L]	02-Apr-24	14:27	< 0.00008	< 0.00008
Be [mg/L]	02-Apr-24	14:27	0.000015	0.000009
B [mg/L]	02-Apr-24	14:27	< 0.002	< 0.002
Bi [mg/L]	02-Apr-24	14:27	0.00002	0.00003
Ca [mg/L]	02-Apr-24	14:27	0.29	0.28
Cd [mg/L]	02-Apr-24	14:27	< 0.000003	0.000003
Co [mg/L]	02-Apr-24	14:27	0.000004	0.000007
Cr [mg/L]	02-Apr-24	14:27	< 0.00008	< 0.00008
Cu [mg/L]	02-Apr-24	14:27	< 0.001	< 0.001
Fe [mg/L]	02-Apr-24	14:27	< 0.007	< 0.007
K [mg/L]	02-Apr-24	14:27	0.044	0.044
Li [mg/L]	02-Apr-24	14:27	0.0005	0.0006
Mg [mg/L]	02-Apr-24	14:27	0.011	0.009
Mn [mg/L]	02-Apr-24	14:27	0.00075	0.00117
Mo [mg/L]	02-Apr-24	14:27	< 0.0004	< 0.0004
Na [mg/L]	02-Apr-24	14:27	0.02	0.02
Ni [mg/L]	02-Apr-24	14:27	0.0001	0.0001
Pb [mg/L]	02-Apr-24	14:27	< 0.00009	< 0.00009
Sb [mg/L]	02-Apr-24	14:27	0.0010	< 0.0009
Se [mg/L]	02-Apr-24	14:27	< 0.00004	< 0.00004
Sn [mg/L]	02-Apr-24	14:27	< 0.00006	0.00011
Sr [mg/L]	02-Apr-24	14:27	0.00062	0.00063
Ti [mg/L]	02-Apr-24	14:27	< 0.0001	< 0.0001
Tl [mg/L]	02-Apr-24	14:27	0.000007	0.000008
U [mg/L]	02-Apr-24	14:27	0.000620	0.000656

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003672372

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10201-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#48	6: CV5-DMS-HCT-84 Wk#48
V [mg/L]	02-Apr-24	14:27	0.00001	0.00002
W [mg/L]	02-Apr-24	14:27	< 0.0002	< 0.0002
Y [mg/L]	02-Apr-24	14:27	< 0.00002	< 0.00002
Zn [mg/L]	02-Apr-24	14:27	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0003672372

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

10-April-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 28 March 2024
LR Report: **CA10202-MAR24**
Reference: Wk#48

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#48	6: CV5-WR-HCT -5 Wk#48	7: CV5-WR-HCT- 5 (DUP) Wk#48	8: CV5-WR-HCT -14 Wk#48	9: CV5-WR-HCT -22 Wk#48
Sample Date & Time			28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24
HumCell Leachate Vol [mL]	01-Apr-24	12:45	905	912	920	961	978
pH [No unit]	02-Apr-24	11:40	6.71	6.92	6.94	7.48	6.96
Alkalinity [mg/L as CaCO3]	02-Apr-24	11:39	2	4	3	15	4
Conductivity [uS/cm]	02-Apr-24	11:39	39	19	16	28	12
Acidity [mg/L as CaCO3]	04-Apr-24	11:00	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	01-Apr-24	09:48	< 0.03	< 0.03	< 0.03	< 0.03	0.03
SO4 [mg/L]	01-Apr-24	19:40	15	5	4	2	< 2
Ag [mg/L]	02-Apr-24	14:27	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	02-Apr-24	14:27	0.025	0.078	0.025	0.102	0.031
As [mg/L]	02-Apr-24	14:27	0.0027	0.170	0.130	0.0310	0.124
Ba [mg/L]	02-Apr-24	14:27	0.00024	0.00095	0.00015	0.00011	< 0.00008
Be [mg/L]	02-Apr-24	14:27	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	02-Apr-24	14:27	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	02-Apr-24	14:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	02-Apr-24	14:27	5.40	3.49	2.17	4.89	1.70
Cd [mg/L]	02-Apr-24	14:27	< 0.000003	0.000005	0.000008	< 0.000003	0.000003
Co [mg/L]	02-Apr-24	14:27	0.000101	0.000175	0.000215	0.000053	0.000162
Cr [mg/L]	02-Apr-24	14:27	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00015
Cu [mg/L]	02-Apr-24	14:27	< 0.001	< 0.001	< 0.001	< 0.001	0.002
Fe [mg/L]	02-Apr-24	14:27	< 0.007	0.028	< 0.007	< 0.007	0.008
K [mg/L]	02-Apr-24	14:27	0.153	0.070	0.060	0.028	0.033
Li [mg/L]	03-Apr-24	11:59	0.0052	0.0058	0.0051	0.0028	0.0046
Mg [mg/L]	02-Apr-24	14:27	0.293	0.162	0.127	0.171	0.207
Mn [mg/L]	02-Apr-24	14:27	0.00091	0.00293	0.00089	0.00467	0.00054
Mo [mg/L]	02-Apr-24	14:27	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	02-Apr-24	14:27	0.12	0.09	0.05	0.12	0.09
Ni [mg/L]	02-Apr-24	14:27	0.0004	0.0011	0.0010	0.0002	0.0005
Pb [mg/L]	02-Apr-24	14:27	0.00031	0.00023	< 0.00009	0.00017	0.00012
Sb [mg/L]	02-Apr-24	14:27	0.0019	0.0297	0.0178	0.0026	0.0051

OnLine LIMS

0003674483

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10202-MAR24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#48	6: CV5-WR-HCT -5 Wk#48	7: CV5-WR-HCT-5 (DUP) Wk#48	8: CV5-WR-HCT -14 Wk#48	9: CV5-WR-HCT -22 Wk#48
Se [mg/L]	02-Apr-24	14:27	0.00018	0.00004	< 0.00004	0.00009	< 0.00004
Sn [mg/L]	02-Apr-24	14:27	0.00008	0.00009	< 0.00006	0.00009	0.00014
Sr [mg/L]	02-Apr-24	14:27	0.00986	0.00517	0.00426	0.00335	0.00456
Ti [mg/L]	02-Apr-24	14:27	0.0003	0.0003	0.0002	0.0002	0.0003
Tl [mg/L]	02-Apr-24	14:27	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	02-Apr-24	14:27	0.000114	0.000056	0.000017	0.000070	0.000201
V [mg/L]	02-Apr-24	14:27	0.00025	0.00049	0.00038	0.00208	0.00105
W [mg/L]	02-Apr-24	14:27	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	02-Apr-24	14:27	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	03-Apr-24	11:59	< 0.002	0.006	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT -33 Wk#48	11: CV5-WR-HCT -36 Wk#48	12: CV5-WR-HCT -39 Wk#48	13: CV5-WR-HCT -50 Wk#48	14: CV5-WR-HCT -56 Wk#48	15: CV5-WR-HCT -59 Wk#48	16: CV5-WR-HCT -62 Wk#48
Sample Date & Time	28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24
HumCell Leachate Vol [mL]	916	968	898	977	957	983	874
pH [No unit]	7.26	7.13	6.55	7.11	7.41	6.55	7.48
Alkalinity [mg/L as CaCO3]	5	5	3	9	6	2	8
Conductivity [uS/cm]	12	14	21	50	29	13	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	0.26	< 0.03	< 0.03	< 0.03	< 0.03	0.13
SO4 [mg/L]	< 2	2	7	8	6	4	4
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.062	0.001	0.020	0.036	0.037	0.003	0.009
As [mg/L]	0.0042	1.08	0.0157	0.0036	0.0111	0.186	0.711
Ba [mg/L]	0.00011	0.00034	0.00025	0.00031	0.00027	0.00016	0.00033
Be [mg/L]	< 0.000007	0.00155	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.92	1.82	2.43	6.29	4.13	1.75	3.01
Cd [mg/L]	< 0.000003	< 0.000003	0.000005	0.000029	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000057	0.000329	0.000111	0.00192	0.000049	0.000904	0.000338
Cr [mg/L]	< 0.00008	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.029	0.027	0.126	0.140	0.129	0.032	0.035
Li [mg/L]	0.0017	0.0018	0.0050	0.0076	0.0017	0.0013	0.0004
Mg [mg/L]	0.055	0.413	0.275	0.064	0.136	0.283	1.01
Mn [mg/L]	0.00442	0.00130	0.00135	0.00693	0.00597	0.00222	0.00174
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.07	0.02	0.09	0.09	0.05	0.05	0.02
Ni [mg/L]	0.0002	0.0085	0.0004	0.0015	0.0002	0.0092	0.0057
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.335	0.0093	0.0150	< 0.0009	0.0036	0.607

OnLine LMS

0003674483

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10202-MAR24**

Analysis	10: CV5-WR-HCT -33 Wk#48	11: CV5-WR-HCT -36 Wk#48	12: CV5-WR-HCT -39 Wk#48	13: CV5-WR-HCT -50 Wk#48	14: CV5-WR-HCT -56 Wk#48	15: CV5-WR-HCT -59 Wk#48	16: CV5-WR-HCT -62 Wk#48
Se [mg/L]	0.00008	0.00004	0.00008	0.00045	0.00005	< 0.00004	0.00006
Sn [mg/L]	< 0.00006	0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00170	0.00185	0.00589	0.00363	0.00364	0.00660	0.00159
Ti [mg/L]	0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000020	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000020	0.000021	0.000311	0.00101	0.000381	0.000036	0.000098
V [mg/L]	0.00050	0.00011	0.00022	0.00006	0.00025	0.00025	0.00014
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	0.009	< 0.002	0.005	< 0.002	0.003	0.002

Analysis	17: CV5-WR-HCT -64 Wk#48	18: CV5-WR-HCT -69 Wk#48	19: CV5-ORE-HCT-74 Wk#48	20: CV5-ORE-HCT-76 Wk#48
Sample Date & Time	28-Mar-24	28-Mar-24	28-Mar-24	28-Mar-24
HumCell Leachate Vol [mL]	1003	979	988	910
pH [No unit]	7.16	7.28	6.78	7.35
Alkalinity [mg/L as CaCO3]	5	6	2	6
Conductivity [uS/cm]	9	12	3	10
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.020	0.042	0.014	0.044
As [mg/L]	0.0048	0.0030	0.0080	0.0017
Ba [mg/L]	< 0.00008	0.00010	< 0.00008	0.00008
Be [mg/L]	0.000012	0.000059	< 0.000007	0.000060
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00023	< 0.00001	0.00009
Ca [mg/L]	1.64	2.06	0.48	1.60
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000009	0.000010	0.000006	0.000011
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.135	0.052	0.071	0.159
Li [mg/L]	0.0012	0.0011	0.0048	0.0044
Mg [mg/L]	0.037	0.024	0.010	0.060
Mn [mg/L]	0.00466	0.00239	0.0480	0.00067
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.10	0.08	0.07
Ni [mg/L]	< 0.0001	0.0001	< 0.0001	0.0002
Pb [mg/L]	< 0.00009	0.00026	< 0.00009	< 0.00009
Sb [mg/L]	0.0010	0.0012	0.0070	< 0.0009

OnLine LIMS

0003674483

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10202-MAR24**

Analysis	17: CV5-WR-HCT-64 Wk#48	18: CV5-WR-HCT-69 Wk#48	19: CV5-ORE-HCT-74 Wk#48	20: CV5-ORE-HCT-76 Wk#48
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00202	0.00333	0.00084	0.00321
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000027	< 0.000005	0.000026	0.000016
U [mg/L]	0.000481	0.00329	0.000490	0.000667
V [mg/L]	0.00001	0.00009	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003674483

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

22-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 29 February 2024
LR Report: **CA10227-FEB24**
Reference: Wk#44

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#44	6: CV5-DMS-HCT-84 Wk#44
Sample Date & Time			29-Feb-24	29-Feb-24
HumCell Leachate Vol [mL]	02-Mar-24	10:48	988	988
pH [No unit]	04-Mar-24	09:32	6.38	6.20
Alkalinity [mg/L as CaCO3]	04-Mar-24	09:32	< 2	< 2
Conductivity [uS/cm]	04-Mar-24	09:32	< 2	< 2
Acidity [mg/L as CaCO3]	04-Mar-24	09:32	< 2	2
Tot.Reactive P [mg/L]	04-Mar-24	08:22	< 0.03	< 0.03
SO4 [mg/L]	01-Mar-24	14:21	< 2	< 2
Ag [mg/L]	05-Mar-24	11:02	< 0.00005	< 0.00005
Al [mg/L]	05-Mar-24	11:02	0.012	0.011
As [mg/L]	05-Mar-24	11:02	0.0034	0.0026
Ba [mg/L]	05-Mar-24	11:02	0.00008	< 0.00008
Be [mg/L]	05-Mar-24	11:02	0.000007	< 0.000007
B [mg/L]	05-Mar-24	11:02	< 0.002	< 0.002
Bi [mg/L]	05-Mar-24	11:02	0.00003	0.00004
Ca [mg/L]	05-Mar-24	11:02	0.30	0.32
Cd [mg/L]	05-Mar-24	11:02	< 0.000003	< 0.000003
Co [mg/L]	05-Mar-24	11:02	0.000004	0.000008
Cr [mg/L]	05-Mar-24	11:02	< 0.00008	< 0.00008
Cu [mg/L]	05-Mar-24	11:02	< 0.001	< 0.001
Fe [mg/L]	05-Mar-24	11:02	< 0.007	< 0.007
K [mg/L]	05-Mar-24	11:02	0.036	0.039
Li [mg/L]	05-Mar-24	11:02	0.0003	0.0004
Mg [mg/L]	05-Mar-24	11:02	0.015	0.011
Mn [mg/L]	05-Mar-24	11:02	0.00043	0.00090
Mo [mg/L]	05-Mar-24	11:02	0.0008	0.0017
Na [mg/L]	05-Mar-24	11:02	0.02	< 0.01
Ni [mg/L]	05-Mar-24	11:02	0.0001	0.0004
Pb [mg/L]	05-Mar-24	11:02	< 0.00009	0.00014
Sb [mg/L]	05-Mar-24	11:02	0.0015	0.0013

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003595696

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10227-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#44	6: CV5-DMS-HC T-84 Wk#44
Se [mg/L]	05-Mar-24	11:02	< 0.00004	< 0.00004
Sn [mg/L]	05-Mar-24	11:02	< 0.00006	< 0.00006
Sr [mg/L]	05-Mar-24	11:02	0.00542	0.00079
Ti [mg/L]	05-Mar-24	11:02	< 0.0001	< 0.0001
Tl [mg/L]	05-Mar-24	11:02	0.000006	0.000008
U [mg/L]	05-Mar-24	11:02	0.000998	0.00105
V [mg/L]	05-Mar-24	11:02	0.00002	< 0.00001
W [mg/L]	05-Mar-24	11:02	< 0.0002	< 0.0002
Y [mg/L]	05-Mar-24	11:02	< 0.00002	< 0.00002
Zn [mg/L]	05-Mar-24	11:02	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00035595696

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

22-March-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700, Vancouver
Canada, V6C 0A6
Phone: 647-782-7386, Fax:

Date Rec. : 29 February 2024
LR Report: **CA10228-FEB24**
Reference: Wk#44

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#44	6: CV5-WR-HCT-5 Wk#44	7: CV5-WR-HCT-5 (DUP) Wk#44	8: CV5-WR-HCT-14 Wk#44	9: CV5-WR-HCT-22 Wk#44	10: CV5-WR-HCT-33 Wk#44
Sample Date & Time			29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24
HumCell Leachate Vol [mL]	02-Mar-24	10:48	922	916	948	948	939	1000
pH [No unit]	04-Mar-24	11:51	6.67	6.92	6.81	8.09	6.87	7.21
Alkalinity [mg/L as CaCO3]	04-Mar-24	11:55	2	4	3	13	3	7
Conductivity [uS/cm]	01-Mar-24	13:05	30	20	15	30	9	17
Acidity [mg/L as CaCO3]	04-Mar-24	11:55	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	04-Mar-24	08:22	< 0.03	< 0.03	< 0.03	< 0.03	0.03	< 0.03
SO4 [mg/L]	01-Mar-24	14:22	9	3	2	4	< 2	< 2
Ag [mg/L]	05-Mar-24	11:00	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	05-Mar-24	11:00	0.021	0.026	0.105	0.021	0.047	0.048
As [mg/L]	05-Mar-24	11:00	0.0027	0.106	0.0316	0.151	0.120	0.0040
Ba [mg/L]	05-Mar-24	11:00	0.00018	0.00012	0.00103	0.00012	0.00011	0.00018
Be [mg/L]	05-Mar-24	11:00	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	< 0.000007
B [mg/L]	05-Mar-24	11:00	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	05-Mar-24	11:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	05-Mar-24	11:00	3.99	2.13	4.87	2.58	1.29	2.68
Cd [mg/L]	05-Mar-24	11:00	< 0.000003	0.000010	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	05-Mar-24	11:00	0.000103	0.000281	0.000067	0.000171	0.000247	0.000067
Cr [mg/L]	05-Mar-24	11:00	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00024	< 0.00008
Cu [mg/L]	05-Mar-24	11:00	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	05-Mar-24	11:00	< 0.007	< 0.007	0.011	< 0.007	0.027	< 0.007
K [mg/L]	05-Mar-24	11:00	0.148	0.071	0.024	0.082	0.029	0.034
Li [mg/L]	05-Mar-24	11:00	0.0060	0.0061	0.0034	0.0065	0.0051	0.0026
Mg [mg/L]	05-Mar-24	11:00	0.233	0.136	0.192	0.140	0.214	0.076
Mn [mg/L]	05-Mar-24	11:00	0.00260	0.00146	0.00567	0.00102	0.00101	0.00880
Mo [mg/L]	05-Mar-24	11:00	0.0007	0.0229	0.0011	0.0017	< 0.0004	< 0.0004
Na [mg/L]	05-Mar-24	11:00	0.09	0.05	0.12	0.04	0.08	0.06
Ni [mg/L]	05-Mar-24	11:00	0.0004	0.0010	0.0003	0.0015	0.0006	0.0002
Pb [mg/L]	05-Mar-24	11:00	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00019
Sb [mg/L]	05-Mar-24	11:00	0.0021	0.0185	0.0027	0.0326	0.0047	0.0013
Se [mg/L]	05-Mar-24	11:00	0.00014	< 0.00004	0.00006	< 0.00004	< 0.00004	0.00006
Sn [mg/L]	05-Mar-24	11:00	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	05-Mar-24	11:00	0.00918	0.00446	0.00490	0.00448	0.00425	0.00288
Ti [mg/L]	05-Mar-24	11:00	0.0001	< 0.0001	0.0005	0.0001	0.0011	< 0.0001
Tl [mg/L]	05-Mar-24	11:00	< 0.000005	0.000005	< 0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	05-Mar-24	10:59	0.000142	0.000038	0.000571	0.000474	0.000137	0.000200

OnLine LIMS

0003656935

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10228-FEB24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#44	6: CV5-WR-HCT-5 Wk#44	7: CV5-WR-HCT-5 (DUP) Wk#44	8: CV5-WR-HCT-1 4 Wk#44	9: CV5-WR-HCT-2 2 Wk#44	10: CV5-WR-HCT-3 3 Wk#44
V [mg/L]	05-Mar-24	10:59	0.00018	0.00032	0.00218	0.00035	0.00107	0.00047
W [mg/L]	05-Mar-24	10:59	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	05-Mar-24	10:59	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	05-Mar-24	10:59	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CV5-WR-HCT-3 6 Wk#44	12: CV5-WR-HCT-3 9 Wk#44	13: CV5-WR-HCT-5 0 Wk#44	14: CV5-WR-HCT-5 6 Wk#44	15: CV5-WR-HCT-5 9 Wk#44	16: CV5-WR-HCT-6 2 Wk#44	17: CV5-WR-HCT-6 4 Wk#44	18: CV5-WR-HCT-69 Wk#44
Sample Date & Time	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24	29-Feb-24
HumCell Leachate Vol [mL]	1000	996	1001	952	951	914	971	992
pH [No unit]	7.10	6.51	7.11	7.33	6.38	7.23	6.91	6.93
Alkalinity [mg/L as CaCO3]	5	2	11	7	< 2	7	3	4
Conductivity [uS/cm]	15	20	55	30	19	25	5	8
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.36	< 0.03	< 0.03	< 0.03	0.03	0.14	< 0.03	< 0.03
SO4 [mg/L]	< 2	6	6	6	6	3	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	< 0.001	0.011	0.023	0.036	0.012	0.001	0.030	0.047
As [mg/L]	1.27	0.0157	0.0030	0.0106	0.195	0.659	0.0043	0.0020
Ba [mg/L]	0.00043	0.00017	0.00027	0.00035	0.00017	0.00034	0.00031	0.00010
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000015	0.000179
B [mg/L]	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00020
Ca [mg/L]	2.01	2.49	5.85	4.45	2.21	2.89	1.00	1.46
Cd [mg/L]	< 0.000003	0.000004	0.000041	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000005
Co [mg/L]	0.000345	0.000141	0.00259	0.000070	0.00110	0.000403	0.000008	0.000080
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00029	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.016	< 0.007	< 0.007	< 0.007
K [mg/L]	0.029	0.129	0.166	0.155	0.020	0.022	0.142	0.044
Li [mg/L]	0.0017	0.0057	0.0105	0.0024	0.0013	0.0002	0.0013	0.0011
Mg [mg/L]	0.488	0.266	0.074	0.172	0.330	0.725	0.036	0.022
Mn [mg/L]	0.00143	0.00182	0.00926	0.00810	0.00259	0.00287	0.00321	0.00216
Mo [mg/L]	< 0.0004	0.0005	0.0022	< 0.0004	0.0005	0.0005	< 0.0004	< 0.0004
Na [mg/L]	< 0.01	0.06	0.10	0.04	0.03	< 0.01	0.03	0.08
Ni [mg/L]	0.0106	0.0006	0.0020	0.0004	0.0080	0.0070	0.0002	0.0006
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.399	0.0100	0.0169	< 0.0009	0.0033	0.588	0.0011	0.0012
Se [mg/L]	< 0.00004	0.00005	0.00040	< 0.00004	< 0.00004	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00239	0.00688	0.00460	0.00396	0.00951	0.00158	0.00170	0.00290
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000006	0.000024	< 0.000005	< 0.000005	< 0.000005	0.000032	0.000006
U [mg/L]	0.000048	0.000462	0.00111	0.000838	0.000123	0.000595	0.000562	0.00286
V [mg/L]	0.00013	0.00022	0.00005	0.00025	0.00024	0.00013	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.011	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	19: CV5-ORE-HCT-74 Wk#44	20: CV5-ORE-HCT-76 Wk#44
Sample Date & Time	29-Feb-24	29-Feb-24

OnLine LIMS

0003656935

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10228-FEB24**

Analysis	19: CV5-ORE-HCT-74 Wk#44	20: CV5-ORE-HCT-76 Wk#44
HumCell Leachate Vol [mL]	1019	1015
pH [No unit]	6.52	7.16
Alkalinity [mg/L as CaCO3]	2	7
Conductivity [uS/cm]	3	15
Acidity [mg/L as CaCO3]	< 2	< 2
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.016	0.028
As [mg/L]	0.0079	0.0024
Ba [mg/L]	< 0.00008	0.00012
Be [mg/L]	0.000011	0.000056
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00009
Ca [mg/L]	0.55	2.58
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000008	0.000010
Cr [mg/L]	< 0.00008	0.00011
Cu [mg/L]	< 0.001	< 0.001
Fe [mg/L]	0.009	< 0.007
K [mg/L]	0.082	0.189
Li [mg/L]	0.0057	0.0058
Mg [mg/L]	0.010	0.089
Mn [mg/L]	0.0536	0.00089
Mo [mg/L]	< 0.0004	< 0.0004
Na [mg/L]	0.07	0.06
Ni [mg/L]	0.0004	0.0001
Pb [mg/L]	< 0.00009	0.00009
Sb [mg/L]	0.0078	0.0010
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006
Sr [mg/L]	0.00104	0.00586
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000028	0.000016
U [mg/L]	0.000797	0.00122
V [mg/L]	0.00001	0.00009
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003656935

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings -Short- (9.5mm fraction size)

14-February-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 25 January 2024
LR Report: **CA10232-JAN24**
Reference: Wk#39

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#39	6: CV5-DMS-HCT-84 Wk#39
Sample Date & Time			25-Jan-24	25-Jan-24
HumCell Leachate Vol [mL]	29-Jan-24	14:39	992	950
pH [No unit]	26-Jan-24	15:03	6.38	6.40
Alkalinity [mg/L as CaCO3]	26-Jan-24	15:03	< 2	< 2
Conductivity [uS/cm]	26-Jan-24	15:03	< 2	2
Acidity [mg/L as CaCO3]	26-Jan-24	15:03	3	3
Tot.Reactive P [mg/L]	29-Jan-24	11:08	< 0.03	< 0.03
SO4 [mg/L]	26-Jan-24	18:49	< 2	< 2
Ag [mg/L]	29-Jan-24	14:26	< 0.00005	< 0.00005
Al [mg/L]	29-Jan-24	14:26	0.010	0.010
As [mg/L]	29-Jan-24	14:26	0.0036	0.0024
Ba [mg/L]	29-Jan-24	14:26	< 0.00008	0.00021
Be [mg/L]	29-Jan-24	14:26	0.000009	0.000010
B [mg/L]	29-Jan-24	14:26	< 0.002	< 0.002
Bi [mg/L]	29-Jan-24	14:26	0.00002	0.00002
Ca [mg/L]	29-Jan-24	14:26	0.43	0.44
Cd [mg/L]	29-Jan-24	14:26	< 0.000003	< 0.000003
Co [mg/L]	29-Jan-24	14:26	0.000004	0.000012
Cr [mg/L]	29-Jan-24	14:26	< 0.00008	< 0.00008
Cu [mg/L]	29-Jan-24	14:26	< 0.002	< 0.002
Fe [mg/L]	29-Jan-24	14:26	< 0.007	0.009
K [mg/L]	29-Jan-24	14:26	0.080	0.081
Li [mg/L]	29-Jan-24	14:26	0.0006	0.0006
Mg [mg/L]	29-Jan-24	14:26	0.016	0.019
Mn [mg/L]	29-Jan-24	14:26	0.00075	0.00132
Mo [mg/L]	29-Jan-24	14:26	< 0.0004	0.00041
Na [mg/L]	29-Jan-24	14:26	< 0.01	0.01
Ni [mg/L]	29-Jan-24	14:26	< 0.0001	0.0002
Pb [mg/L]	29-Jan-24	14:26	< 0.00009	< 0.00009
Sb [mg/L]	29-Jan-24	14:26	0.0015	0.0012
Se [mg/L]	29-Jan-24	14:26	< 0.00004	< 0.00004
Sn [mg/L]	29-Jan-24	14:26	< 0.00006	< 0.00006
Sr [mg/L]	29-Jan-24	14:26	0.00098	0.00116
Ti [mg/L]	29-Jan-24	14:26	< 0.0001	< 0.0001
Tl [mg/L]	29-Jan-24	14:26	0.000009	0.000010
U [mg/L]	29-Jan-24	14:26	0.000911	0.00108

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003620226

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA10232-JAN24

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#39	6: CV5-DMS-HCT-84 Wk#39
V [mg/L]	29-Jan-24	14:26	0.00002	0.00002
W [mg/L]	29-Jan-24	14:26	< 0.0002	< 0.0002
Y [mg/L]	29-Jan-24	14:26	< 0.00002	< 0.00002
Zn [mg/L]	29-Jan-24	14:26	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003620226

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

14-February-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 25 January 2024
LR Report: **CA10233-JAN24**
Reference: Wk#39

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#39	6: CV5-WR-HCT-5 Wk#39	7: CV5-WR-HCT-5 (DUP) Wk#39	8: CV5-WR-HCT-14 Wk#39	9: CV5-WR-HCT-22 Wk#39
Sample Date & Time			25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24
HumCell Leachate Vol [mL]	29-Jan-24	14:40	964	941	965	1017	1000
pH [No unit]	29-Jan-24	11:44	6.76	6.97	6.87	7.71	6.95
Alkalinity [mg/L as CaCO3]	01-Feb-24	11:00	3	4	3	12	4
Conductivity [uS/cm]	30-Jan-24	09:31	36	23	16	30	12
Acidity [mg/L as CaCO3]	29-Jan-24	12:52	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	29-Jan-24	11:09	< 0.03	0.04	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	26-Jan-24	18:49	12	5	4	2	< 2
Ag [mg/L]	29-Jan-24	14:27	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-Jan-24	14:27	0.028	0.035	0.030	0.090	0.026
As [mg/L]	29-Jan-24	14:27	0.0033	0.178	0.123	0.0356	0.132
Ba [mg/L]	29-Jan-24	14:27	0.00027	0.00026	0.00014	0.00075	0.00017
Be [mg/L]	29-Jan-24	14:27	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	29-Jan-24	14:27	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	29-Jan-24	14:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	29-Jan-24	14:27	5.23	3.58	2.51	5.31	1.88
Cd [mg/L]	29-Jan-24	14:27	0.000004	< 0.000003	< 0.000003	< 0.000003	0.000006
Co [mg/L]	29-Jan-24	14:27	0.000160	0.000247	0.000175	0.000071	0.000133
Cr [mg/L]	29-Jan-24	14:27	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	29-Jan-24	14:27	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	29-Jan-24	14:27	< 0.007	0.010	0.007	< 0.007	< 0.007
K [mg/L]	29-Jan-24	14:27	0.190	0.111	0.085	0.045	0.050
Li [mg/L]	29-Jan-24	14:27	0.0064	0.0091	0.0071	0.0040	0.0054
Mg [mg/L]	29-Jan-24	14:27	0.303	0.196	0.155	0.213	0.228
Mn [mg/L]	29-Jan-24	14:27	0.00108	0.00173	0.00170	0.00575	0.00130
Mo [mg/L]	29-Jan-24	14:27	0.00056	< 0.0004	< 0.0004	< 0.0004	0.01081
Na [mg/L]	29-Jan-24	14:27	0.11	0.05	0.04	0.14	0.09
Ni [mg/L]	29-Jan-24	14:27	0.0007	0.0015	0.0009	0.0003	0.0006
Pb [mg/L]	29-Jan-24	14:27	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00056
Sb [mg/L]	29-Jan-24	14:27	0.0025	0.0437	0.0226	0.0044	0.0059

OnLine LMS

0003620272

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10233-JAN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#39	6: CV5-WR-HCT-5 Wk#39	7: CV5-WR-HCT-5 (DUP) Wk#39	8: CV5-WR-HCT-14 Wk#39	9: CV5-WR-HCT-22 Wk#39
Se [mg/L]	29-Jan-24	14:27	0.00014	< 0.00004	< 0.00004	0.00008	< 0.00004
Sn [mg/L]	29-Jan-24	14:27	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	29-Jan-24	14:27	0.0115	0.00638	0.00528	0.00488	0.00562
Ti [mg/L]	29-Jan-24	14:27	0.00016	0.00034	0.00020	0.00018	0.00016
Tl [mg/L]	29-Jan-24	14:27	< 0.000005	< 0.000005	0.000005	< 0.000005	< 0.000005
U [mg/L]	29-Jan-24	14:27	0.00127	0.000025	0.000033	0.000090	0.000194
V [mg/L]	29-Jan-24	14:27	0.00028	0.00050	0.00040	0.00239	0.00114
W [mg/L]	29-Jan-24	14:27	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	29-Jan-24	14:27	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	29-Jan-24	14:27	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV5-WR-HCT-33 Wk#39	11: CV5-WR-HCT-36 Wk#39	12: CV5-WR-HCT-39 Wk#39	13: CV5-WR-HCT-50 Wk#39	14: CV5-WR-HCT-56 Wk#39	15: CV5-WR-HCT-59 Wk#39	16: CV5-WR-HCT-62 Wk#39
Sample Date & Time	25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24
HumCell Leachate Vol [mL]	952	980	938	986	982	1009	966
pH [No unit]	7.19	6.94	6.48	6.84	7.54	6.65	7.76
Alkalinity [mg/L as CaCO3]	5	4	< 2	4	15	2	14
Conductivity [uS/cm]	13	13	23	50	55	18	39
Acidity [mg/L as CaCO3]	< 2	< 2	2	6	< 2	3	< 2
Tot.Reactive P [mg/L]	< 0.03	0.25	< 0.03	< 0.03	0.05	0.15	0.21
SO4 [mg/L]	< 2	< 2	7	10	9	4	4
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.068	0.004	0.027	0.022	0.119	0.025	0.004
As [mg/L]	0.0044	0.973	0.0219	0.0039	0.0284	0.373	0.709
Ba [mg/L]	0.00077	0.00047	0.00082	0.00034	0.00112	0.00022	0.00052
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.45	1.86	3.10	6.83	8.52	2.32	5.79
Cd [mg/L]	< 0.000003	0.000009	0.000007	0.000033	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000054	0.000237	0.000127	0.001917	0.000133	0.001605	0.000633
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00047	0.00017
Cu [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	0.007	< 0.007	0.009	< 0.007	0.021	0.035	0.017
K [mg/L]	0.054	0.051	0.201	0.211	0.360	0.064	0.030
Li [mg/L]	0.0029	0.0018	0.0077	0.0118	0.0048	0.0025	0.0004
Mg [mg/L]	0.094	0.395	0.333	0.098	0.344	0.449	0.908
Mn [mg/L]	0.00655	0.00177	0.00165	0.00773	0.0170	0.00417	0.00557
Mo [mg/L]	0.00041	< 0.0004	0.00054	0.00053	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.12	< 0.01	0.13	0.10	0.09	0.04	< 0.01
Ni [mg/L]	0.0006	0.0067	0.0005	0.0015	0.0004	0.0116	0.0089
Pb [mg/L]	0.00047	0.00011	0.00010	< 0.00009	< 0.00009	0.00050	< 0.00009
Sb [mg/L]	0.0012	0.369	0.0114	0.0192	< 0.0009	0.0064	0.578

OnLine LIMS

0003620272

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10233-JAN24**

Analysis	10: CV5-WR-HCT-3 3 Wk#39	11: CV5-WR-HCT-3 6 Wk#39	12: CV5-WR-HCT-3 9 Wk#39	13: CV5-WR-HCT-5 0 Wk#39	14: CV5-WR-HCT-5 6 Wk#39	15: CV5-WR-HCT-5 9 Wk#39	16: CV5-WR-HCT-6 2 Wk#39
Se [mg/L]	0.00007	0.00004	0.00007	0.00051	0.00009	< 0.00004	0.00012
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00369	0.00239	0.00984	0.00531	0.00832	0.0104	0.00290
Ti [mg/L]	0.00027	< 0.0001	0.00035	< 0.0001	0.00100	0.00097	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000031	< 0.000005	0.000006	< 0.000005
U [mg/L]	0.000193	0.000034	0.000367	0.00205	0.000739	0.000014	0.000196
V [mg/L]	0.00060	0.00014	0.00032	0.00007	0.00071	0.00062	0.00021
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.008	< 0.002	< 0.002	< 0.002

Analysis	17: CV5-WR-HCT-6 4 Wk#39	18: CV5-WR-HCT-6 9 Wk#39	19: CV5-ORE-HCT-7 4 Wk#39	20: CV5-ORE-HCT-7 6 Wk#39
Sample Date & Time	25-Jan-24	25-Jan-24	25-Jan-24	25-Jan-24
HumCell Leachate Vol [mL]	998	1010	1023	987
pH [No unit]	7.00	7.24	6.64	7.12
Alkalinity [mg/L as CaCO3]	5	6	< 2	5
Conductivity [uS/cm]	11	13	3	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.04	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.079	0.125	0.024	0.039
As [mg/L]	0.0067	0.0041	0.0097	0.0028
Ba [mg/L]	0.00010	0.00016	0.00043	0.00011
Be [mg/L]	0.000026	0.000281	< 0.000007	0.000040
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00038	< 0.00001	0.00010
Ca [mg/L]	1.93	2.60	0.75	2.51
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000018	0.000018	0.000015	0.000013
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.012
K [mg/L]	0.277	0.097	0.110	0.261
Li [mg/L]	0.0022	0.0019	0.0067	0.0068
Mg [mg/L]	0.057	0.034	0.013	0.098
Mn [mg/L]	0.00677	0.00335	0.0544	0.00108
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.02	0.12	0.06	0.06
Ni [mg/L]	0.0002	0.0001	0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0014	0.0017	0.0104	0.0010

OnLine LIMS

00036202272

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10233-JAN24**

Analysis	17: CV5-WR-HCT-6 4 Wk#39	18: CV5-WR-HCT-6 9 Wk#39	19: CV5-ORE-HCT-7 4 Wk#39	20: CV5-ORE-HCT-7 6 Wk#39
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00263	0.00449	0.00143	0.00548
Ti [mg/L]	< 0.0001	0.00020	< 0.0001	< 0.0001
Tl [mg/L]	0.000077	0.000012	0.000030	0.000023
U [mg/L]	0.000658	0.00316	0.000753	0.00189
V [mg/L]	0.00003	0.00008	0.00001	0.00005
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003620272

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

22-January-2024

Patriot Battery Metals Inc
Attn : Alix Drapack

838 W. Hastings Street, Suite 700
Vancouver, BC
V6C 0A6, Canada

Phone:
Fax:

Date Rec. : 20 September 2023
LR Report: **CA11026-SEP23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV13-ORE-01	6: CV13-WR-02	7: CV13-WR-03	8: CV13-WR-04	9: CV13-WR-05
Sample Date & Time			NA	NA	NA	NA	NA
Sample weight [g]	16-Jan-24	13:46	20	20	20	21	20
Ext Fluid [#1 or #2]	16-Jan-24	13:46	1	1	1	1	1
Ext Volume [mL]	16-Jan-24	13:46	400	400	400	400	400
Final pH [no unit]	16-Jan-24	13:46	---	---	---	---	---
pH [No unit]	18-Jan-24	15:58	7.76	7.79	8.49	8.69	8.04
Conductivity [uS/cm]	18-Jan-24	15:58	31	48	69	80	50
Alkalinity [mg/L as CaCO3]	18-Jan-24	15:58	11	18	28	34	21
Acidity [mg/L as CaCO3]	18-Jan-24	15:58	< 2	< 2	< 2	< 2	< 2
F [mg/L]	17-Jan-24	12:27	< 0.06	0.14	0.15	0.12	< 0.06
Br [mg/L]	17-Jan-24	19:24	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	17-Jan-24	19:24	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	17-Jan-24	19:24	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	17-Jan-24	19:24	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	17-Jan-24	19:24	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	17-Jan-24	12:07	< 0.03	0.05	< 0.03	< 0.03	< 0.03
Hg [mg/L]	18-Jan-24	16:55	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	18-Jan-24	16:55	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	18-Jan-24	16:55	0.364	0.595	0.134	0.557	0.387
As [mg/L]	18-Jan-24	16:55	0.0505	0.171	0.0958	0.0456	0.0100
Ba [mg/L]	18-Jan-24	16:55	0.00081	0.00149	0.00082	0.00247	0.00128
Be [mg/L]	18-Jan-24	16:55	0.000052	0.000118	0.000041	< 0.000007	< 0.000007
B [mg/L]	18-Jan-24	16:55	0.007	0.012	0.094	0.039	0.005
Bi [mg/L]	18-Jan-24	16:55	0.00002	0.00026	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	18-Jan-24	16:55	2.98	6.17	3.10	5.11	7.47
Cd [mg/L]	18-Jan-24	16:55	0.000003	0.000070	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	18-Jan-24	16:55	0.000009	0.000039	0.000091	0.000116	0.000008
Cr [mg/L]	18-Jan-24	16:55	0.00016	0.00026	0.00270	0.00102	0.00023
Cu [mg/L]	18-Jan-24	16:55	< 0.0002	0.0007	< 0.0002	0.0005	< 0.0002
Fe [mg/L]	18-Jan-24	16:55	< 0.007	0.015	0.111	0.147	0.011
K [mg/L]	18-Jan-24	16:55	0.578	0.356	0.926	1.74	0.596

OnLine LIMS

00035984493

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11026-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV13-ORE-01	6: CV13-WR-02	7: CV13-WR-03	8: CV13-WR-04	9: CV13-WR-05
Li [mg/L]	18-Jan-24	16:55	0.147	0.0242	0.0254	0.0965	0.0333
Mg [mg/L]	18-Jan-24	16:55	0.032	0.183	1.00	0.690	0.974
Mn [mg/L]	18-Jan-24	16:55	0.0319	0.0130	0.00287	0.00236	0.00035
Mo [mg/L]	18-Jan-24	16:55	0.00093	0.00127	0.00019	0.00035	0.00049
Na [mg/L]	18-Jan-24	16:55	2.49	3.08	10.5	11.2	0.75
Ni [mg/L]	18-Jan-24	16:55	0.0001	0.0005	0.0009	0.0005	0.0001
P [mg/L]	18-Jan-24	16:55	0.022	0.024	0.006	0.018	0.006
Pb [mg/L]	18-Jan-24	16:55	< 0.00009	0.00267	< 0.00009	0.00009	< 0.00009
Sb [mg/L]	18-Jan-24	16:55	0.0051	0.0292	0.108	0.0156	0.0021
Se [mg/L]	18-Jan-24	16:55	< 0.00004	0.00046	0.00005	0.00017	< 0.00004
Si [mg/L]	18-Jan-24	16:55	1.58	2.08	2.45	2.51	2.34
Sn [mg/L]	18-Jan-24	16:55	< 0.00006	0.00007	< 0.00006	< 0.00006	0.00007
Ti [mg/L]	18-Jan-24	16:55	0.00010	0.00040	0.00208	0.00796	0.00023
Tl [mg/L]	18-Jan-24	16:55	0.000035	0.000027	0.000016	0.000026	0.000010
U [mg/L]	18-Jan-24	16:55	0.00309	0.110	0.000008	0.000087	0.000015
V [mg/L]	18-Jan-24	16:55	0.00023	0.00070	0.00199	0.00484	0.00287
Zn [mg/L]	18-Jan-24	16:55	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: CV13-WR-06	11: CV13-WR-07	12: CV13-WR-08	13: CV13-WR-09	14: CV13-WR-10	15: CV13-WR-11	16: CV13-WR-12
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400
Final pH [no unit]	---	---	---	---	---	---	---
pH [No unit]	7.88	7.43	8.98	8.33	9.04	7.81	8.67
Conductivity [uS/cm]	43	30	62	60	67	38	59
Alkalinity [mg/L as CaCO3]	16	8	26	25	30	14	25
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	0.11	0.11	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	0.46	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.519	0.122	0.350	0.464	0.370	0.499	0.388
As [mg/L]	0.0279	5.13	0.0215	0.0139	0.0032	0.0309	0.0014
Ba [mg/L]	0.00030	0.00053	0.00062	0.00179	0.00048	0.00031	0.00075
Be [mg/L]	0.000012	0.000045	0.000008	< 0.000007	< 0.000007	0.000097	< 0.000007
B [mg/L]	0.003	0.027	0.046	0.054	0.031	0.011	0.034

OnLine LIMS

00035984493

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11026-SEP23**

Analysis	10: CV13-WR-06	11: CV13-WR-07	12: CV13-WR-08	13: CV13-WR-09	14: CV13-WR-10	15: CV13-WR-11	16: CV13-WR-12
Bi [mg/L]	0.00006	0.00007	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.36	1.92	3.90	1.92	6.22	4.11	4.53
Cd [mg/L]	0.000004	0.000005	< 0.000003	< 0.000003	< 0.000003	0.000008	0.000003
Co [mg/L]	0.000009	0.000115	0.000120	0.000115	0.000045	0.000029	0.000058
Cr [mg/L]	0.00010	0.00034	0.00144	0.00127	0.00072	0.00017	0.00084
Cu [mg/L]	< 0.0002	0.0005	0.0003	0.0004	< 0.0002	< 0.0002	0.0005
Fe [mg/L]	< 0.007	0.010	0.166	0.141	0.077	0.013	0.108
K [mg/L]	0.570	1.17	0.145	1.81	0.085	0.262	0.112
Li [mg/L]	0.0052	0.0206	0.0294	0.0876	0.0291	0.0084	0.0048
Mg [mg/L]	0.059	0.090	0.657	0.532	0.805	0.189	0.621
Mn [mg/L]	0.00711	0.0116	0.00405	0.00203	0.00200	0.00368	0.00240
Mo [mg/L]	0.00056	0.00208	0.00027	0.00051	0.00020	0.00131	0.00043
Na [mg/L]	1.83	3.10	9.30	9.73	7.24	3.26	8.40
Ni [mg/L]	0.0001	0.0006	0.0008	0.0003	0.0002	0.0002	0.0003
P [mg/L]	0.013	0.066	0.019	0.009	0.006	0.024	0.010
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00027	< 0.00009
Sb [mg/L]	0.0023	0.172	0.0204	0.0038	0.0011	0.0087	< 0.0009
Se [mg/L]	< 0.00004	0.00058	0.00010	0.00006	0.00010	0.00021	0.00013
Si [mg/L]	1.72	1.07	2.37	1.99	2.48	1.85	2.10
Sn [mg/L]	0.00010	0.00006	< 0.00006	< 0.00006	< 0.00006	0.00013	< 0.00006
Ti [mg/L]	0.00013	0.00024	0.0116	0.00812	0.00389	0.00042	0.00421
Tl [mg/L]	0.000027	0.000473	< 0.000005	0.000011	< 0.000005	0.000008	< 0.000005
U [mg/L]	0.000519	0.000170	0.000056	0.000061	0.000006	0.00529	0.000009
V [mg/L]	0.00023	0.00079	0.00522	0.00576	0.00397	0.00135	0.00314
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	17: CV13-ORE-13	18: CV13-WR-14	19: CV13-WR-15	20: CV13-ORE-16	21: CV13-WR-17	22: CV13-WR-18	23: CV13-WR-19
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	20	20	20	20	21	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400
Final pH [no unit]	---	---	---	---	---	---	---
pH [No unit]	7.33	9.14	9.09	7.07	9.27	9.16	9.27
Conductivity [uS/cm]	22	52	72	20	61	44	51
Alkalinity [mg/L as CaCO3]	6	21	31	5	29	21	22
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.38	0.18	0.07	0.26	0.11	0.13	0.17
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6

OnLine LIMS

0003598493

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11026-SEP23**

Analysis	17: CV13-ORE-13	18: CV13-WR-14	19: CV13-WR-15	20: CV13-ORE-16	21: CV13-WR-17	22: CV13-WR-18	23: CV13-WR-19
Tot.Reactive P [mg/L]	0.15	0.03	< 0.03	0.21	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.097	0.281	0.507	0.115	0.290	0.317	0.302
As [mg/L]	0.761	0.0976	0.0013	12.9	0.137	0.0407	0.0745
Ba [mg/L]	0.00051	0.00104	0.00097	0.00027	0.00102	0.00045	0.00095
Be [mg/L]	0.000067	0.000007	< 0.000007	0.000125	< 0.000007	0.000014	0.000026
B [mg/L]	0.033	0.056	0.036	0.032	0.035	0.046	0.052
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	0.94	1.75	6.17	1.36	3.43	2.29	2.22
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000031	0.000169	0.000035	0.000014	0.000072	0.000196	0.000210
Cr [mg/L]	0.00014	0.00092	0.00044	0.00011	0.00163	0.00089	0.00165
Cu [mg/L]	< 0.0002	0.0004	< 0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Fe [mg/L]	0.018	0.174	0.102	< 0.007	0.058	0.151	0.172
K [mg/L]	0.734	0.855	0.320	0.365	1.26	0.136	0.644
Li [mg/L]	0.0751	0.0759	0.0075	0.0036	0.0733	0.0348	0.0748
Mg [mg/L]	0.121	0.470	0.541	0.053	1.08	0.662	0.596
Mn [mg/L]	0.01604	0.00411	0.00194	0.00949	0.00140	0.00326	0.00347
Mo [mg/L]	0.00077	0.00036	0.00020	0.00108	0.00009	0.00026	0.00061
Na [mg/L]	2.77	8.48	8.98	3.21	9.39	7.58	9.38
Ni [mg/L]	0.0003	0.0005	0.0001	0.0003	0.0008	0.0009	0.0010
P [mg/L]	0.035	0.016	0.020	0.018	0.006	0.007	0.009
Pb [mg/L]	< 0.00009	0.00014	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0852	0.0551	< 0.0009	0.222	0.114	0.123	0.0616
Se [mg/L]	< 0.00004	0.00014	0.00011	< 0.00004	0.00005	0.00012	0.00009
Si [mg/L]	1.07	1.60	2.39	0.96	2.06	2.11	2.16
Sn [mg/L]	0.00011	< 0.00006	< 0.00006	0.00008	< 0.00006	< 0.00006	< 0.00006
Ti [mg/L]	0.00049	0.0117	0.00514	0.00012	0.00256	0.00606	0.00687
Tl [mg/L]	0.000122	0.000037	< 0.000005	0.000019	< 0.000005	0.000005	0.000038
U [mg/L]	0.00653	0.000040	0.000015	0.008693	0.000012	0.000056	0.000018
V [mg/L]	0.00081	0.00417	0.00334	0.00025	0.00325	0.00329	0.00375
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	24: CV13-WR-20	25: CV13-WR-21	26: CV13-WR-22	27: CV13-WR-23	28: CV13-WR-24	29: CV13-WR-25	30: CV13-WR-26
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400
Final pH [no unit]	---	---	9.24	---	---	---	---
pH [No unit]	9.31	8.54	7.74	8.99	8.22	7.78	7.91
Conductivity [uS/cm]	62	43	61	60	46	112	95

OnLine LIMS

00035984493

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11026-SEP23**

Analysis	24: CV13-WR-20	25: CV13-WR-21	26: CV13-WR-22	27: CV13-WR-23	28: CV13-WR-24	29: CV13-WR-25	30: CV13-WR-26
Alkalinity [mg/L as CaCO3]	29	20	25	28	33	24	28
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.14	< 0.06	< 0.06	< 0.06	0.09	< 0.06	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	22	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.554	0.128	0.005	0.003	0.450	0.055	0.205
As [mg/L]	0.142	0.175	0.0103	0.113	0.0110	0.0008	0.0043
Ba [mg/L]	0.00135	0.00141	0.00156	0.00074	0.00231	0.00636	0.00432
Be [mg/L]	0.000020	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.051	0.010	0.043	0.022	0.034	0.066	0.041
Bi [mg/L]	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	5.41	6.70	5.89	5.02	5.31	8.88	7.45
Cd [mg/L]	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000197	0.000013	0.000013	0.000010	0.000098	0.000098	0.000086
Cr [mg/L]	0.00180	0.00139	0.00196	0.00864	0.00049	0.00105	0.00147
Cu [mg/L]	0.0004	< 0.0002	< 0.0002	< 0.0002	0.0003	0.0003	0.0008
Fe [mg/L]	0.110	< 0.007	< 0.007	< 0.007	0.203	0.128	0.089
K [mg/L]	0.446	0.225	0.224	0.032	1.07	2.61	1.86
Li [mg/L]	0.0498	0.0038	0.0003	0.0009	0.0682	0.0770	0.0513
Mg [mg/L]	0.583	1.37	3.75	5.42	0.617	1.64	1.03
Mn [mg/L]	0.00309	0.00028	0.00026	0.00019	0.00274	0.00150	0.00203
Mo [mg/L]	0.00023	0.00028	0.00037	0.00006	0.00022	0.00029	0.00063
Na [mg/L]	9.18	0.78	0.08	0.10	10.6	9.10	8.91
Ni [mg/L]	0.0009	0.0002	0.0010	0.0005	0.0002	0.0028	0.0007
P [mg/L]	0.009	0.004	0.003	0.003	0.008	< 0.003	0.004
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0414	0.0038	0.0032	0.0058	0.0116	< 0.0009	0.0011
Se [mg/L]	0.00010	< 0.00004	< 0.00004	< 0.00004	0.00007	0.00063	0.00029
Si [mg/L]	2.66	2.34	2.07	3.43	1.98	1.20	1.84
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Ti [mg/L]	0.00487	0.00013	< 0.00007	< 0.00007	0.00963	0.00197	0.00276
Tl [mg/L]	0.000009	0.000013	0.000017	< 0.000005	< 0.000005	0.000028	0.000012
U [mg/L]	0.000029	0.000021	0.000010	0.000002	0.00187	0.000013	0.000012
V [mg/L]	0.00508	0.00200	0.00017	0.00051	0.00434	0.00031	0.00140
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

OnLine LIMS

0003598493

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11026-SEP23**

Analysis	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30	35: CV13-WR-22	36: CV13-WR-30	37:BLK: $SPLP1312 Blank #1
Sample Date & Time	NA	NA	NA	NA			
Sample weight [g]	20	21	20	20	20	20	---
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400
Final pH [no unit]	---	---	---	9.56	9.29	9.60	4.15
pH [No unit]	8.08	8.19	7.82	8.24	7.81	8.28	4.32
Conductivity [uS/cm]	116	82	40	69	60	67	23
Alkalinity [mg/L as CaCO3]	39	35	15	33	25	29	< 2
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	5
F [mg/L]	< 0.06	0.33	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.072	0.497	0.490	0.467	0.004	0.554	0.002
As [mg/L]	0.0005	0.0016	0.0273	0.0157	0.0106	0.0152	< 0.0002
Ba [mg/L]	0.00212	0.00366	0.00019	0.00364	0.00167	0.00068	0.00059
Be [mg/L]	< 0.000007	0.000016	0.000067	< 0.000007	< 0.000007	< 0.000007	0.000008
B [mg/L]	0.033	0.036	0.006	0.034	0.042	0.029	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13.0	5.54	4.79	5.87	5.87	6.08	0.06
Cd [mg/L]	< 0.000003	0.000005	0.000004	0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000006	0.000015	0.000011	0.000064	0.000011	0.000076	0.000016
Cr [mg/L]	0.00038	0.00070	0.00020	0.00139	0.00182	0.00066	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0006	< 0.0002	0.0002	0.0007
Fe [mg/L]	< 0.007	0.056	< 0.007	0.042	< 0.007	0.109	< 0.007
K [mg/L]	0.670	2.17	0.349	0.583	0.206	0.156	0.075
Li [mg/L]	0.0023	0.0035	0.360	0.0428	0.0003	0.0433	< 0.0001
Mg [mg/L]	0.400	0.341	0.061	0.770	3.77	0.777	0.006
Mn [mg/L]	0.00403	0.00169	0.03978	0.00137	0.00024	0.00385	0.00060
Mo [mg/L]	0.00041	0.00063	0.00047	0.00028	0.00027	0.00031	< 0.00004
Na [mg/L]	8.11	10.9	1.83	7.27	0.07	7.47	0.02
Ni [mg/L]	0.0001	0.0002	0.0001	0.0006	0.0010	0.0003	0.0002
P [mg/L]	< 0.003	0.003	0.027	0.008	0.003	0.008	< 0.003
Pb [mg/L]	< 0.00009	0.00029	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0074	0.0013	0.0044	0.0012	< 0.0009
Se [mg/L]	0.00004	0.00005	< 0.00004	0.00007	< 0.00004	0.00008	< 0.00004
Si [mg/L]	0.59	2.49	1.80	2.46	2.08	2.58	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Ti [mg/L]	< 0.00007	0.00272	0.00008	0.00126	0.00009	0.00455	0.00009
Tl [mg/L]	< 0.000005	< 0.000005	0.000017	0.000007	0.000016	< 0.000005	< 0.000005

OnLine LIMS

0003598493

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11026-SEP23**

Analysis	31: CV13-WR-27	32: CV13-WR-28	33: CV13-ORE-29	34: CV13-WR-30	35: CV13-WR-22	36: CV13-WR-30	37:BLK: $SPLP1312 Blank #1
U [mg/L]	0.000020	0.000218	0.000584	0.000075	0.000017	0.000123	0.000006
V [mg/L]	0.00012	0.00019	0.00010	0.00384	0.00017	0.00393	0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003598493

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-June-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,, Montreal
Canada, H3A 1Z4
Phone: 647-782-7386, Fax:

Date Rec. : 18 June 2024
LR Report: **CA14546-JUN24**
Reference: Wk#56

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -36 Wk#56
Sample Date & Time			23-May-24
Ag [mg/L]	20-Jun-24	10:57	< 0.00005
Al [mg/L]	20-Jun-24	10:57	0.034
As [mg/L]	20-Jun-24	10:57	0.0088
Ba [mg/L]	20-Jun-24	10:57	0.00031
Be [mg/L]	20-Jun-24	10:57	< 0.000007
B [mg/L]	20-Jun-24	10:57	< 0.002
Bi [mg/L]	20-Jun-24	10:57	< 0.00001
Ca [mg/L]	20-Jun-24	10:57	4.82
Cd [mg/L]	20-Jun-24	10:57	< 0.000003
Co [mg/L]	20-Jun-24	10:57	0.000064
Cr [mg/L]	20-Jun-24	10:57	< 0.00008
Cu [mg/L]	20-Jun-24	10:57	< 0.001
Fe [mg/L]	20-Jun-24	10:57	< 0.007
K [mg/L]	20-Jun-24	10:57	0.141
Li [mg/L]	20-Jun-24	10:57	0.0019
Mg [mg/L]	20-Jun-24	10:57	0.141
Mn [mg/L]	20-Jun-24	10:57	0.00581
Mo [mg/L]	20-Jun-24	10:57	< 0.0004
Na [mg/L]	20-Jun-24	10:57	0.05
Ni [mg/L]	20-Jun-24	10:57	0.0002
Pb [mg/L]	20-Jun-24	10:57	< 0.00009
Sb [mg/L]	20-Jun-24	10:57	< 0.0009
Se [mg/L]	20-Jun-24	10:57	< 0.00004
Sn [mg/L]	20-Jun-24	10:57	< 0.00006
Sr [mg/L]	20-Jun-24	10:57	0.00414
Ti [mg/L]	20-Jun-24	10:57	0.0001
Tl [mg/L]	20-Jun-24	10:57	< 0.000005
U [mg/L]	20-Jun-24	10:57	0.000360
V [mg/L]	20-Jun-24	10:57	0.00019

OnLine LIMS

00037579B1

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA14546-JUN24**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -36 Wk#56
W [mg/L]	20-Jun-24	10:57	< 0.0002
Y [mg/L]	20-Jun-24	10:57	< 0.00002
Zn [mg/L]	20-Jun-24	10:57	< 0.002



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00037579B1

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2024

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,, Montreal
Canada, H3A 1Z4
Phone: 647-782-7386, Fax:

Date Rec. : 01 August 2024
LR Report: **CA10000-AUG24**
Reference: Wk#66

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#66	6: CV5-WR-HCT-5 Wk#66	7: CV5-WR-HCT-5 (DUP) Wk#66	8: CV5-WR-HCT-14 Wk#66	9: CV5-WR-HCT-22 Wk#66	10: CV5-WR-HCT-33 Wk#66	11: CV5-WR-HCT-36 Wk#66
Sample Date & Time			01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24
HumCell Leachate Vol [mL]	02-Aug-24	15:36	931	941	945	990	960	966	969
pH [No unit]	02-Aug-24	12:31	6.77	6.90	6.77	7.56	6.65	6.95	6.94
Conductivity [uS/cm]	02-Aug-24	12:31	35	21	17	27	8	12	16

Analysis	12: CV5-WR-HCT-39 Wk#66	13: CV5-WR-HCT-50 Wk#66	14: CV5-WR-HCT-56 Wk#66	15: CV5-WR-HCT-59 Wk#66	16: CV5-WR-HCT-62 Wk#66	17: CV5-WR-HCT-64 Wk#66	18: CV5-WR-HCT-69 Wk#66	19: CV5-ORE-HCT-74 Wk#66	20: CV5-ORE-HCT-76 Wk#66
Sample Date & Time	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24	01-Aug-24
HumCell Leachate Vol [mL]	958	967	976	993	927	1012	1010	1000	953
pH [No unit]	6.29	6.60	7.09	6.37	7.25	6.94	7.15	6.59	7.05
Conductivity [uS/cm]	17	47	32	14	20	9	13	3	10



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003816376

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-January-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 02 January 2025
LR Report: **CA10000-JAN25**
Reference: Wk#88

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#88	6: CV5-WR-HCT-5 Wk#88	7: CV5-WR-HCT-5 (DUP) Wk#88	8: CV5-WR-HCT-14 Wk#88	9: CV5-WR-HCT-22 Wk#88
Sample Date & Time			02-Jan-25	02-Jan-25	02-Jan-25	02-Jan-25	02-Jan-25
HumCell Leachate Vol [mL]	03-Jan-25	16:55	964	992	1015	1014	1026
pH [No unit]	08-Jan-25	11:02	6.37	6.51	6.42	7.14	6.75
Alkalinity [mg/L as CaCO3]	06-Jan-25	11:09	2	4	3	11	4
Conductivity [uS/cm]	08-Jan-25	11:02	30	25	17	27	9
Acidity [mg/L as CaCO3]	08-Jan-25	11:03	3	< 2	< 2	< 2	< 2
F [mg/L]	03-Jan-25	11:16	< 0.06	0.07	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	03-Jan-25	08:13	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	03-Jan-25	11:24	11	4	3	< 2	< 2
Cl [mg/L]	03-Jan-25	11:24	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	03-Jan-25	13:12	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	03-Jan-25	13:12	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	03-Jan-25	13:12	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	06-Jan-25	09:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	06-Jan-25	10:08	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	06-Jan-25	10:08	0.011	0.022	0.014	0.078	0.016
As [mg/L]	06-Jan-25	10:08	0.0011	0.0772	0.0602	0.0164	0.0533
As [mg/L]	27-Jan-25	10:14	---	---	---	---	---
Ba [mg/L]	06-Jan-25	10:08	0.00021	0.00012	0.00010	< 0.00008	< 0.00008
Be [mg/L]	06-Jan-25	10:08	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	06-Jan-25	10:08	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	06-Jan-25	10:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	06-Jan-25	10:08	5.04	3.55	2.53	4.79	1.24
Cd [mg/L]	06-Jan-25	10:08	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	06-Jan-25	10:08	0.000563	0.000228	0.000291	0.000059	0.000209
Cr [mg/L]	06-Jan-25	10:08	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	06-Jan-25	10:08	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	06-Jan-25	10:08	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	06-Jan-25	10:08	0.099	0.037	0.035	0.021	0.010
Li [mg/L]	06-Jan-25	10:08	0.0036	0.0039	0.0034	0.0023	0.0030
Mg [mg/L]	06-Jan-25	10:08	0.163	0.102	0.085	0.124	0.135

OnLine LMS

0004001399

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10000-JAN25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#88	6: CV5-WR-HCT-5 Wk#88	7: CV5-WR-HCT-5 (DUP) Wk#88	8: CV5-WR-HCT-1 4 Wk#88	9: CV5-WR-HCT-2 2 Wk#88
Mn [mg/L]	06-Jan-25	10:08	0.00447	0.00150	0.00178	0.00567	0.00045
Mo [mg/L]	06-Jan-25	10:08	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	06-Jan-25	10:08	0.08	0.04	0.03	0.09	0.05
Ni [mg/L]	06-Jan-25	10:08	0.0017	0.0011	0.0009	0.0002	0.0004
Pb [mg/L]	06-Jan-25	10:08	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	06-Jan-25	10:08	< 0.0009	0.0188	0.0097	0.0015	0.0021
Se [mg/L]	06-Jan-25	10:08	0.00009	< 0.00004	< 0.00004	0.00005	< 0.00004
Sn [mg/L]	06-Jan-25	10:08	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	06-Jan-25	10:08	0.00656	0.00306	0.00285	0.00282	0.00288
Ti [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	0.00011	< 0.0001
Tl [mg/L]	06-Jan-25	10:08	0.000005	0.000005	0.000008	< 0.000005	< 0.000005
U [mg/L]	06-Jan-25	10:08	0.000011	0.000086	< 0.000002	< 0.000002	0.000042
V [mg/L]	06-Jan-25	10:08	0.00010	0.00025	0.00021	0.00134	0.00068
W [mg/L]	06-Jan-25	10:08	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	06-Jan-25	10:08	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	06-Jan-25	10:08	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	06-Jan-25	10:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	07-Jan-25	08:12	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	06-Jan-25	10:08	0.0059	0.0057	0.0071	0.0014	0.0030
Dy (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	07-Jan-25	08:12	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	21-Jan-25	10:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	21-Jan-25	10:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	21-Jan-25	10:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	07-Jan-25	08:12	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	07-Jan-25	08:12	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	06-Jan-25	10:08	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	07-Jan-25	08:12	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	06-Jan-25	10:08	0.0024	0.0018	0.0018	0.0003	0.0008
Re (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	06-Jan-25	10:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	07-Jan-25	08:12	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	06-Jan-25	10:08	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0004001399

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10000-JAN25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#88	6: CV5-WR-HCT-5 Wk#88	7: CV5-WR-HCT-5 (DUP) Wk#88	8: CV5-WR-HCT-14 Wk#88	9: CV5-WR-HCT-22 Wk#88
Yb (tot) [mg/L]	07-Jan-25	08:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-33 Wk#88	11: CV5-WR-HCT-36 Wk#88	12: CV5-WR-HCT-39 Wk#88	13: CV5-WR-HCT-50 Wk#88	14: CV5-WR-HCT-56 Wk#88	15: CV5-WR-HCT-59 Wk#88	16: CV5-WR-HCT-62 Wk#88
Sample Date & Time	02-Jan-25	02-Jan-25	02-Jan-25	02-Jan-25	02-Jan-25	02-Jan-25	02-Jan-25
HumCell Leachate Vol [mL]	1030	1008	1002	1020	1016	1019	994
pH [No unit]	6.94	6.99	6.41	6.44	6.85	5.80	6.61
Alkalinity [mg/L as CaCO3]	7	8	< 2	3	6	< 2	5
Conductivity [uS/cm]	10	26	11	53	32	16	13
Acidity [mg/L as CaCO3]	< 2	< 2	2	10	< 2	5	< 2
F [mg/L]	< 0.06	< 0.06	0.30	0.79	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.44	< 0.03	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	6	14	6	3	< 2
Cl [mg/L]	< 1	< 1	< 1	1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.059	0.003	0.008	0.024	0.030	0.001	< 0.001
As [mg/L]	0.0045	1.30	0.0075	0.0010	0.0047	0.0354	0.403
As [mg/L]	---	---	---	---	---	---	---
Ba [mg/L]	0.00021	0.00063	0.00017	0.00048	0.00028	0.00015	0.00019
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000057	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.97	3.64	3.04	7.14	5.08	1.60	2.07
Cd [mg/L]	< 0.000003	< 0.000003	0.000020	0.000386	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000063	0.000821	0.000438	0.0327	0.000113	0.00567	0.000451
Cr [mg/L]	< 0.00008	0.00023	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	0.009	< 0.007	0.239	< 0.007	0.010	< 0.007
K [mg/L]	0.022	0.044	0.120	0.111	0.064	0.015	0.012
Li [mg/L]	0.0015	0.0020	0.0052	0.0099	0.0010	0.0011	0.0002
Mg [mg/L]	0.055	0.766	0.288	0.177	0.088	0.265	0.559
Mn [mg/L]	0.00974	0.00260	0.00723	0.0392	0.00429	0.00763	0.00208
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.06	< 0.01	0.08	0.11	0.03	0.02	< 0.01
Ni [mg/L]	< 0.0001	0.0107	0.0009	0.0427	0.0001	0.0750	0.0049
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.439	0.0055	0.0066	< 0.0009	0.0013	0.252
Se [mg/L]	0.00005	< 0.00004	0.00009	0.00042	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00216	0.00249	0.00509	0.00394	0.00298	0.00506	0.00081
Ti [mg/L]	< 0.0001	0.00016	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0004001399

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10000-JAN25**

Analysis	10: CV5-WR-HCT-3 3 Wk#88	11: CV5-WR-HCT-3 6 Wk#88	12: CV5-WR-HCT-3 9 Wk#88	13: CV5-WR-HCT-5 0 Wk#88	14: CV5-WR-HCT-5 6 Wk#88	15: CV5-WR-HCT-5 9 Wk#88	16: CV5-WR-HCT-6 2 Wk#88
Tl [mg/L]	< 0.000005	0.000010	0.000010	0.000031	< 0.000005	< 0.000005	0.000007
U [mg/L]	< 0.000002	< 0.000002	0.000039	0.000244	0.000113	< 0.000002	< 0.000002
V [mg/L]	0.00038	0.00020	0.00015	< 0.00001	0.00015	0.00005	0.00008
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.002	0.174	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00017	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0025	0.0135	0.0024	0.0431	0.0132	0.0067	0.0017
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	0.00016	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	0.00004
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0005	0.0023	0.0017	0.0072	0.0005	0.0012	0.0007
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	17: CV5-WR-HCT-6 4 Wk#88	18: CV5-WR-HCT-6 9 Wk#88	19: CV5-ORE-HCT-7 4 Wk#88	20: CV5-ORE-HCT-7 6 Wk#88
Sample Date & Time	02-Jan-25	02-Jan-25	02-Jan-25	02-Jan-25
HumCell Leachate Vol [mL]	1022	1047	1037	1016
pH [No unit]	6.76	7.09	6.57	6.75
Alkalinity [mg/L as CaCO3]	< 2	6	< 2	7

OnLine LMS

0004001399

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10000-JAN25**

Analysis	17: CV5-WR-HCT-6 4 Wk#88	18: CV5-WR-HCT-6 9 Wk#88	19: CV5-ORE-HCT-7 4 Wk#88	20: CV5-ORE-HCT-7 6 Wk#88
Conductivity [uS/cm]	6	10	2	17
Acidity [mg/L as CaCO3]	3	< 2	3	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.021	0.042	0.077	0.035
As [mg/L]	0.0033	0.0015	---	0.0056
As [mg/L]	---	---	0.0034	---
Ba [mg/L]	< 0.00008	0.00009	0.00038	< 0.00008
Be [mg/L]	0.000009	0.000076	0.000011	0.000075
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00021	< 0.00001	0.00007
Ca [mg/L]	0.79	1.84	0.35	2.92
Cd [mg/L]	< 0.000003	0.000004	0.000003	< 0.000003
Co [mg/L]	0.000004	0.000019	0.000054	0.000012
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.115	0.039	0.089	0.152
Li [mg/L]	0.0008	0.0008	0.0049	0.0048
Mg [mg/L]	0.019	0.013	0.013	0.065
Mn [mg/L]	0.00623	0.00256	0.0481	0.00148
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.02	0.08	0.08	0.06
Ni [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0049	0.0012
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	0.00012	0.00006
Sr [mg/L]	0.00083	0.00247	0.00185	0.00438
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000030	0.000006	0.000065	0.000015
U [mg/L]	0.000048	0.001303	0.000087	0.000558
V [mg/L]	0.00002	0.00003	0.00001	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0059	0.0014	0.0143	0.0044
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

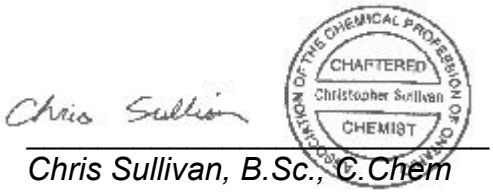
0004001399

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10000-JAN25**

Analysis	17: CV5-WR-HCT-6 4 Wk#88	18: CV5-WR-HCT-6 9 Wk#88	19: CV5-ORE-HCT-7 4 Wk#88	20: CV5-ORE-HCT-7 6 Wk#88
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00004	< 0.00001	0.00006
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0116	0.0026	0.0137	0.0062
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LMS

0004001399

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

17-July-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 02 July 2025
LR Report: **CA10009-JUL25**
Reference: Columns - Wk#18

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#18	6: CV5-CL-2 Wk#18	7: CV5-CL-3 Wk#18	8: CV5-CL-4 Wk#18	9: CV5-CL-5 Wk#18
Sample Date & Time			02-Jul-25	02-Jul-25	02-Jul-25	02-Jul-25	02-Jul-25
HumCell Leachate Vol [mL]	04-Jul-25	08:54	1951	1997	2017	1997	1988
pH [No unit]	07-Jul-25	15:55	7.48	7.77	7.39	7.90	7.73
Conductivity [uS/cm]	07-Jul-25	15:56	28	33	39	73	47
Alkalinity [mg/L as CaCO3]	07-Jul-25	15:56	14	15	11	35	21
Acidity [mg/L as CaCO3]	07-Jul-25	15:56	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	10-Jul-25	13:45	0.3	1.9	5.9	6.3	3.0
F [mg/L]	04-Jul-25	10:17	< 0.06	0.08	---	0.32	0.08
F [mg/L]	16-Jul-25	11:13	---	---	0.06	---	---
NO2 [as N mg/L]	09-Jul-25	13:51	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	09-Jul-25	13:51	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	09-Jul-25	13:51	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	10-Jul-25	13:46	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hg [mg/L]	08-Jul-25	11:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	08-Jul-25	11:08	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	08-Jul-25	11:08	0.193	0.178	0.040	0.142	0.110
As [mg/L]	08-Jul-25	11:08	0.0948	0.509	2.86	1.38	1.37
Ba [mg/L]	08-Jul-25	11:08	0.00017	0.00022	0.00066	0.00120	0.00049
B [mg/L]	08-Jul-25	11:08	0.002	0.006	0.008	0.029	0.011
Be [mg/L]	08-Jul-25	11:08	0.000023	0.000034	0.000010	0.000062	0.000037
Bi [mg/L]	08-Jul-25	11:08	0.00023	0.00015	0.00001	0.00034	0.00014
Ca [mg/L]	08-Jul-25	11:08	4.56	5.19	6.12	7.85	6.26
Cd [mg/L]	08-Jul-25	11:08	0.000007	0.000006	0.000003	0.000004	0.000005
Co [mg/L]	08-Jul-25	11:08	0.000016	0.000064	0.000843	0.000147	0.000149
Cr [mg/L]	08-Jul-25	11:08	< 0.00008	0.00008	0.00010	0.00017	0.00010
Cu [mg/L]	08-Jul-25	11:08	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	10-Jul-25	13:39	< 0.007	< 0.007	0.007	0.009	< 0.007
K [mg/L]	08-Jul-25	11:10	0.846	0.923	0.465	5.11	1.63
Li [mg/L]	08-Jul-25	11:10	0.0182	0.0398	0.0349	0.262	0.0867
Mg [mg/L]	08-Jul-25	11:10	0.274	0.586	0.659	1.65	0.749

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUL25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#18	6: CV5-CL-2 Wk#18	7: CV5-CL-3 Wk#18	8: CV5-CL-4 Wk#18	9: CV5-CL-5 Wk#18
Mn [mg/L]	08-Jul-25	11:10	0.0124	0.00936	0.0105	0.0128	0.0139
Mo [mg/L]	08-Jul-25	11:10	< 0.0004	0.0005	< 0.0004	0.0009	0.0005
Na [mg/L]	08-Jul-25	11:10	0.90	0.73	0.56	2.56	1.74
Ni [mg/L]	08-Jul-25	11:10	< 0.0001	0.0006	0.0166	0.0021	0.0019
Pb [mg/L]	10-Jul-25	13:39	0.00010	< 0.00009	< 0.00009	0.00010	< 0.00009
Sb [mg/L]	08-Jul-25	11:10	0.0679	0.136	0.659	0.204	0.251
Se [mg/L]	08-Jul-25	11:10	0.00008	0.00008	0.00023	0.00012	0.00009
Sn [mg/L]	08-Jul-25	11:10	0.00146	0.00324	0.00204	0.00292	0.00213
Sr [mg/L]	08-Jul-25	11:10	0.0112	0.0148	0.0261	0.0297	0.0211
Ti [mg/L]	08-Jul-25	11:10	< 0.0001	0.0001	0.0001	0.0003	0.0002
Tl [mg/L]	08-Jul-25	11:10	0.000054	0.000056	0.000071	0.000200	0.000094
U [mg/L]	08-Jul-25	11:10	0.143	0.143	0.0303	0.391	0.248
V [mg/L]	08-Jul-25	11:10	0.00015	0.00073	0.00299	0.00136	0.00116
W [mg/L]	08-Jul-25	11:10	0.00040	0.00049	0.00063	0.0117	0.00171
Y [mg/L]	08-Jul-25	11:10	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	08-Jul-25	11:10	< 0.002	0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	08-Jul-25	11:10	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001
Cs [mg/L]	08-Jul-25	11:10	0.0103	0.0483	0.178	0.193	0.0930
Dy [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	11-Jul-25	16:42	0.0006	0.0007	< 0.0001	0.0032	0.0006
Gd (tot) [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Hf [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	08-Jul-25	11:10	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	11-Jul-25	16:42	< 0.00001	0.00001	0.00004	0.00002	0.00002
Lu [mg/L]	11-Jul-25	16:42	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Nd [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	08-Jul-25	11:10	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	08-Jul-25	11:10	0.0453	0.0457	0.0292	0.249	0.0794
Re [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	08-Jul-25	11:10	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	11-Jul-25	16:42	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Ta [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Tb [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUL25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#18	6: CV5-CL-2 Wk#18	7: CV5-CL-3 Wk#18	8: CV5-CL-4 Wk#18	9: CV5-CL-5 Wk#18
Te [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	08-Jul-25	11:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	11-Jul-25	16:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-CL-6 Wk#18
Sample Date & Time	02-Jul-25
HumCell Leachate Vol [mL]	2020
pH [No unit]	7.82
Conductivity [uS/cm]	50
Alkalinity [mg/L as CaCO3]	23
Acidity [mg/L as CaCO3]	< 2
SO4 [mg/L]	3.4
F [mg/L]	0.12
F [mg/L]	---
NO2 [as N mg/L]	< 0.03
NO3 [as N mg/L]	< 0.06
NO2+NO3 [as N mg/L]	< 0.06
Cl [mg/L]	< 0.2
Hg [mg/L]	< 0.00001
Ag [mg/L]	< 0.00005
Al [mg/L]	0.110
As [mg/L]	1.48
Ba [mg/L]	0.00051
B [mg/L]	0.013
Be [mg/L]	0.000025
Bi [mg/L]	0.00015
Ca [mg/L]	6.44
Cd [mg/L]	< 0.000003
Co [mg/L]	0.000127
Cr [mg/L]	< 0.00008
Cu [mg/L]	< 0.001
Fe [mg/L]	< 0.007
K [mg/L]	1.75
Li [mg/L]	0.106
Mg [mg/L]	0.784
Mn [mg/L]	0.0121
Mo [mg/L]	0.0007
Na [mg/L]	2.16
Ni [mg/L]	0.0017
Pb [mg/L]	< 0.00009
Sb [mg/L]	0.287
Se [mg/L]	0.00009

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUL25**

Analysis	10: CV5-CL-6 Wk#18
Sn [mg/L]	0.00205
Sr [mg/L]	0.0213
Ti [mg/L]	0.0001
Tl [mg/L]	0.000098
U [mg/L]	0.276
V [mg/L]	0.00124
W [mg/L]	0.00485
Y [mg/L]	< 0.00002
Zn [mg/L]	< 0.002
Au [mg/L]	< 0.00001
Ce [mg/L]	0.00001
Cs [mg/L]	0.0955
Dy [mg/L]	< 0.00001
Er [mg/L]	< 0.00001
Eu [mg/L]	< 0.00001
Ga [mg/L]	0.0006
Gd (tot) [mg/L]	< 0.00001
Ge [mg/L]	< 0.0001
Hf [mg/L]	< 0.0001
Ho [mg/L]	< 0.00001
In [mg/L]	< 0.00001
Ir [mg/L]	< 0.00001
La [mg/L]	0.00002
Lu [mg/L]	< 0.0001
Nb [mg/L]	< 0.0001
Nd [mg/L]	< 0.00001
Os [mg/L]	< 0.0001
Pd [mg/L]	< 0.0001
Pr [mg/L]	< 0.00001
Pt [mg/L]	< 0.0001
Rh [mg/L]	< 0.00001
Rb [mg/L]	0.0861
Re [mg/L]	< 0.0001
Ru [mg/L]	< 0.00001
Sm [mg/L]	< 0.00001
Sc [mg/L]	< 0.0001
Ta [mg/L]	< 0.0001
Tb [mg/L]	< 0.00001
Te [mg/L]	< 0.0001
Th [mg/L]	< 0.0001
Tm [mg/L]	< 0.00001

NA - Not applicable

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10009-JUL25**



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004187763

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-July-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 03 July 2025
LR Report: **CA10015-JUL25**
Reference: Wk#114

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#114	6: CV5-WR-HCT-5 Wk#114	7: CV5-WR-HCT-5 (DUP) Wk#114	8: CV5-WR-HCT-14 Wk#114	9: CV5-WR-HCT-22 Wk#114	10: CV5-WR-HCT-33 Wk#114
Sample Date & Time			03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25
HumCell Leachate Vol [mL]	04-Jul-25	08:56	930	935	944	950	994	956
pH [No unit]	07-Jul-25	14:18	6.45	6.39	6.20	7.15	7.32	7.42
Conductivity [uS/cm]	07-Jul-25	14:18	40	23	14	23	10	11

Analysis	11: CV5-WR-HCT-36 Wk#114	12: CV5-WR-HCT-39 Wk#114	13: CV5-WR-HCT-50 Wk#114	14: CV5-WR-HCT-56 Wk#114	15: CV5-WR-HCT-59 Wk#114	16: CV5-WR-HCT-62 Wk#114	17: CV5-WR-HCT-64 Wk#114	18: CV5-WR-HCT-69 Wk#114
Sample Date & Time	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25	03-Jul-25
HumCell Leachate Vol [mL]	1004	922	998	1011	1002	924	993	999
pH [No unit]	6.80	6.40	5.09	6.48	6.18	6.64	7.10	7.11
Conductivity [uS/cm]	15	22	66	37	15	18	3	10

Analysis	19: CV5-ORE-HCT-74 Wk#114	20: CV5-ORE-HCT-76 Wk#114
Sample Date & Time	03-Jul-25	03-Jul-25
HumCell Leachate Vol [mL]	994	989
pH [No unit]	6.75	6.89
Conductivity [uS/cm]	2	16



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNMS

0004176930

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

23-June-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 June 2025
LR Report: **CA10024-JUN25**
Reference: Columns - Wk#14

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#14	6: CV5-CL-2 Wk#14	7: CV5-CL-3 Wk#14	8: CV5-CL-4 Wk#14	9: CV5-CL-5 Wk#14	10: CV5-CL-6 Wk#14
Sample Date & Time			04-Jun-25	04-Jun-25	04-Jun-25	04-Jun-25	04-Jun-25	04-Jun-25
HumCell Leachate Vol [mL]	05-Jun-25	16:09	2061	2004	1974	1966	2026	2009
pH [No unit]	06-Jun-25	13:16	7.97	8.12	7.67	7.60	8.06	8.08
Conductivity [uS/cm]	06-Jun-25	13:16	36	40	41	84	55	57
Alkalinity [mg/L as CaCO3]	06-Jun-25	13:16	20	20	12	39	26	27
Acidity [mg/L as CaCO3]	06-Jun-25	13:16	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	13-Jun-25	10:40	0.3	2.1	6.1	6.1	3.7	4.0
F [mg/L]	09-Jun-25	08:47	< 0.06	0.11	< 0.06	0.36	0.14	0.17
NO2 [as N mg/L]	12-Jun-25	15:55	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	12-Jun-25	15:55	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	12-Jun-25	15:55	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	12-Jun-25	13:33	0.2	< 0.2	< 0.2	< 0.2	0.2	0.2
Hg [mg/L]	10-Jun-25	14:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	10-Jun-25	14:31	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	10-Jun-25	14:31	0.213	0.192	0.042	0.112	0.113	0.110
As [mg/L]	10-Jun-25	14:31	0.126	0.600	3.00	1.62	1.86	1.88
Ba [mg/L]	10-Jun-25	14:31	0.00017	0.00028	0.00076	0.00119	0.00059	0.00058
B [mg/L]	10-Jun-25	14:31	0.003	0.009	0.010	0.039	0.017	0.019
Be [mg/L]	10-Jun-25	14:31	0.000031	0.000038	0.000010	0.000051	0.000039	0.000049
Bi [mg/L]	10-Jun-25	14:31	0.00049	0.00019	0.00001	0.00021	0.00023	0.00025
Ca [mg/L]	10-Jun-25	14:31	4.86	5.21	5.50	7.35	6.05	5.71
Cd [mg/L]	10-Jun-25	14:31	0.000004	< 0.000003	< 0.000003	0.000005	< 0.000003	0.000003
Co [mg/L]	10-Jun-25	14:31	0.000014	0.000063	0.000689	0.000114	0.000165	0.000154
Cr [mg/L]	10-Jun-25	14:31	< 0.00008	0.00008	0.00015	0.00008	0.00010	< 0.00008
Cu [mg/L]	10-Jun-25	14:31	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	10-Jun-25	14:31	< 0.007	< 0.007	0.007	0.007	< 0.007	< 0.007
K [mg/L]	10-Jun-25	14:31	1.12	1.20	0.559	6.26	2.02	2.13
Li [mg/L]	10-Jun-25	14:31	0.0280	0.0534	0.0411	0.317	0.119	0.139
Mg [mg/L]	10-Jun-25	14:31	0.343	0.700	0.679	1.61	0.869	0.854
Mn [mg/L]	10-Jun-25	14:31	0.0113	0.00844	0.00953	0.0128	0.0139	0.0122
Mo [mg/L]	10-Jun-25	14:31	< 0.0004	0.0007	< 0.0004	0.0012	0.0007	0.0009
Na [mg/L]	10-Jun-25	14:31	1.28	1.04	0.85	3.68	2.59	3.13
Ni [mg/L]	10-Jun-25	14:32	< 0.0001	0.0007	0.0151	0.0017	0.0022	0.0021
Pb [mg/L]	10-Jun-25	14:32	< 0.00009	< 0.00009	< 0.00009	0.00017	< 0.00009	< 0.00009
Sb [mg/L]	10-Jun-25	14:32	0.0839	0.161	0.702	0.246	0.322	0.359
Se [mg/L]	10-Jun-25	14:32	0.00010	0.00010	0.00024	0.00011	0.00010	0.00010
Sn [mg/L]	10-Jun-25	14:32	0.00192	0.00209	0.00218	0.00365	0.00263	0.00257
Sr [mg/L]	10-Jun-25	14:32	0.0130	0.0161	0.0260	0.0305	0.0235	0.0239
Ti [mg/L]	10-Jun-25	14:32	< 0.0001	0.0002	0.0002	0.0003	0.0001	0.0001

OnLine LIMS

00041585558

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10024-JUN25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#14	6: CV5-CL-2 Wk#14	7: CV5-CL-3 Wk#14	8: CV5-CL-4 Wk#14	9: CV5-CL-5 Wk#14	10: CV5-CL-6 Wk#14
Tl [mg/L]	10-Jun-25	14:32	0.000070	0.000073	0.000080	0.000197	0.000123	0.000120
U [mg/L]	10-Jun-25	14:32	0.189	0.180	0.0322	0.476	0.298	0.302
V [mg/L]	10-Jun-25	14:32	0.00018	0.00096	0.00337	0.00164	0.00139	0.00150
W [mg/L]	10-Jun-25	14:32	0.00078	0.00078	0.00096	0.0139	0.00301	0.0103
Y [mg/L]	10-Jun-25	10:42	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	10-Jun-25	10:42	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	10-Jun-25	10:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	10-Jun-25	10:42	< 0.00001	0.00001	< 0.00001	0.00002	0.00001	0.00001
Cs [mg/L]	10-Jun-25	14:32	0.0128	0.0586	0.177	0.234	0.106	0.102
Dy [mg/L]	10-Jun-25	10:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	10-Jun-25	10:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	10-Jun-25	10:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	10-Jun-25	14:32	0.0009	0.0008	< 0.0001	0.0029	0.0007	0.0006
Gd (tot) [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Hf [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	10-Jun-25	14:32	< 0.00001	0.00001	0.00004	0.00002	0.00002	0.00003
Lu [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	12-Jun-25	14:35	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	0.0001
Nd [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	10-Jun-25	14:32	0.0585	0.0565	0.0322	0.300	0.0960	0.0973
Re [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	0.0003	0.0001	< 0.0001
Ta [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	10-Jun-25	10:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	10-Jun-25	10:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004158558

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

19-March-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 06 March 2025
LR Report: **CA10029-MAR25**
Reference: Wk#97

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#97	6: CV5-WR-HCT-5 Wk#97	7: CV5-WR-HCT-5 (DUP) Wk#97	8: CV5-WR-HCT-1 4 Wk#97	9: CV5-WR-HCT-2 2 Wk#97	10: CV5-WR-HCT-3 3 Wk#97
Sample Date & Time			06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25
HumCell Leachate Vol [mL]	06-Mar-25	15:05	1004	1002	1016	1019	994	1009
pH [No unit]	11-Mar-25	10:41	6.78	6.99	6.57	6.98	6.73	7.10
Conductivity [uS/cm]	11-Mar-25	14:29	41	24	18	27	9	18

Analysis	11: CV5-WR-HCT-3 6 Wk#97	12: CV5-WR-HCT-3 9 Wk#97	13: CV5-WR-HCT-5 0 Wk#97	14: CV5-WR-HCT-5 6 Wk#97	15: CV5-WR-HCT-5 9 Wk#97	16: CV5-WR-HCT-6 2 Wk#97	17: CV5-WR-HCT-6 4 Wk#97	18: CV5-WR-HCT-6 9 Wk#97
Sample Date & Time	06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25	06-Mar-25
HumCell Leachate Vol [mL]	1013	1008	1011	1003	1003	999	1010	998
pH [No unit]	6.87	6.66	6.49	7.00	6.21	6.63	6.80	6.84
Conductivity [uS/cm]	23	31	51	32	14	20	4	10

Analysis	19: CV5-ORE-HCT- 74 Wk#97	20: CV5-ORE-HCT- 76 Wk#97
Sample Date & Time	06-Mar-25	06-Mar-25
HumCell Leachate Vol [mL]	999	1000
pH [No unit]	6.98	6.49
Conductivity [uS/cm]	2	15



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004050810

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-June-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 June 2025
LR Report: **CA10030-JUN25**
Reference: Wk#110

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#110	6: CV5-WR-HCT-5 Wk#110	7: CV5-WR-HCT-5 (DUP) Wk#110	8: CV5-WR-HCT-14 Wk#110	9: CV5-WR-HCT-22 Wk#110	10: CV5-WR-HCT-33 Wk#110
Sample Date & Time			05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25
HumCell Leachate Vol [mL]	05-Jun-25	16:11	936	934	953	962	965	941
pH [No unit]	09-Jun-25	10:49	6.25	6.27	6.22	7.04	6.23	6.63
Conductivity [uS/cm]	06-Jun-25	14:11	51	24	15	24	10	11

Analysis	11: CV5-WR-HCT-36 Wk#110	12: CV5-WR-HCT-39 Wk#110	13: CV5-WR-HCT-50 Wk#110	14: CV5-WR-HCT-56 Wk#110	15: CV5-WR-HCT-59 Wk#110	16: CV5-WR-HCT-62 Wk#110	17: CV5-WR-HCT-64 Wk#110	18: CV5-WR-HCT-69 Wk#110
Sample Date & Time	05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25	05-Jun-25
HumCell Leachate Vol [mL]	956	1010	974	1003	977	921	1003	1000
pH [No unit]	6.64	5.98	5.22	6.47	6.22	6.82	6.60	6.67
Conductivity [uS/cm]	20	31	88	43	24	21	4	12

Analysis	19: CV5-ORE-HCT-74 Wk#110	20: CV5-ORE-HCT-76 Wk#110
Sample Date & Time	05-Jun-25	05-Jun-25
HumCell Leachate Vol [mL]	1001	989
pH [No unit]	6.56	6.59
Conductivity [uS/cm]	3	15



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNT SMS

0004150412

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

21-February-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 06 February 2025
LR Report: **CA10031-FEB25**
Reference: Wk#93

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#93	6: CV5-WR-HCT-5 Wk#93	7: CV5-WR-HCT-5 (DUP) Wk#93	8: CV5-WR-HCT-14 Wk#93	9: CV5-WR-HCT-22 Wk#93	10: CV5-WR-HCT-33 Wk#93
Sample Date & Time			06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25
HumCell Leachate Vol [mL]	06-Feb-25	11:41	947	945	982	998	942	1016
pH [No unit]	10-Feb-25	14:38	6.29	6.77	6.71	7.01	6.41	7.16
Conductivity [uS/cm]	07-Feb-25	11:13	40	25	17	28	9	16

Analysis	11: CV5-WR-HCT-36 Wk#93	12: CV5-WR-HCT-39 Wk#93	13: CV5-WR-HCT-50 Wk#93	14: CV5-WR-HCT-56 Wk#93	15: CV5-WR-HCT-59 Wk#93	16: CV5-WR-HCT-62 Wk#93	17: CV5-WR-HCT-64 Wk#93	18: CV5-WR-HCT-69 Wk#93
Sample Date & Time	06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25	06-Feb-25
HumCell Leachate Vol [mL]	1019	985	1014	976	994	973	1001	1017
pH [No unit]	7.15	6.47	5.90	6.86	6.40	6.90	6.98	6.70
Conductivity [uS/cm]	26	28	61	37	21	20	5	10

Analysis	19: CV5-ORE-HCT-74 Wk#93	20: CV5-ORE-HCT-76 Wk#93
Sample Date & Time	06-Feb-25	06-Feb-25
HumCell Leachate Vol [mL]	1032	1038
pH [No unit]	6.14	7.08
Conductivity [uS/cm]	6	19



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNM1

0004023978

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-September-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 04 September 2025
LR Report: **CA10032-SEP25**
Reference: Wk#123

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#123	6: CV5-WR-HCT-5 Wk#123	7: CV5-WR-HCT-5 (DUP) Wk#123	8: CV5-WR-HCT-14 Wk#123	9: CV5-WR-HCT-22 Wk#123	10: CV5-WR-HCT-33 Wk#123
Sample Date & Time			04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25
HumCell Leachate Vol [mL]	04-Sep-25	16:28	932	950	950	954	990	1020
pH [No unit]	08-Sep-25	15:35	6.56	6.13	7.42	7.23	6.41	6.79
Conductivity [uS/cm]	08-Sep-25	10:26	39	22	14	22	8	19

Analysis	11: CV5-WR-HCT-36 Wk#123	12: CV5-WR-HCT-39 Wk#123	13: CV5-WR-HCT-50 Wk#123	14: CV5-WR-HCT-56 Wk#123	15: CV5-WR-HCT-59 Wk#123	16: CV5-WR-HCT-62 Wk#123	17: CV5-WR-HCT-64 Wk#123	18: CV5-WR-HCT-69 Wk#123
Sample Date & Time	04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25	04-Sep-25
HumCell Leachate Vol [mL]	1012	929	1021	992	963	930	993	1017
pH [No unit]	7.05	5.75	4.45	6.41	5.88	6.62	6.51	6.42
Conductivity [uS/cm]	16	21	92	33	17	17	3	9

Analysis	19: CV5-ORE-HCT-74 Wk#123	20: CV5-ORE-HCT-76 Wk#123
Sample Date & Time	04-Sep-25	04-Sep-25
HumCell Leachate Vol [mL]	1001	1024
pH [No unit]	7.38	6.62
Conductivity [uS/cm]	2	17



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004249850

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

14-May-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 May 2025
LR Report: **CA10036-MAY25**
Reference: Columns - Wk#10

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#10	6: CV5-CL-2 Wk#10	7: CV5-CL-3 Wk#10	8: CV5-CL-4 Wk#10	9: CV5-CL-5 Wk#10	10: CV5-CL-6 Wk#10
Sample Date & Time			07-May-25	07-May-25	07-May-25	07-May-25	07-May-25	07-May-25
HumCell Leachate Vol [mL]	08-May-25	11:50	1994	2042	1968	1992	2004	1994
pH [No unit]	09-May-25	10:43	7.76	7.55	7.25	7.96	7.48	7.47
Conductivity [uS/cm]	12-May-25	15:14	39	42	42	104	59	64
Alkalinity [mg/L as CaCO3]	09-May-25	10:43	22	27	15	40	27	28
Acidity [mg/L as CaCO3]	09-May-25	10:43	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	12-May-25	19:46	0.4	2.5	6.7	6.1	4.8	5.3
F [mg/L]	09-May-25	13:30	< 0.06	0.12	< 0.06	0.53	0.19	0.25
NO2 [as N mg/L]	12-May-25	20:15	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	12-May-25	20:15	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	12-May-25	20:15	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	12-May-25	19:46	0.4	< 0.2	0.3	< 0.2	0.5	0.8
Hg [mg/L]	12-May-25	12:55	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001
Ag [mg/L]	12-May-25	12:55	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	12-May-25	12:55	0.208	0.186	0.040	0.124	0.102	0.101
As [mg/L]	12-May-25	12:55	0.181	0.744	3.66	2.21	2.44	2.52
Ba [mg/L]	12-May-25	12:55	0.00026	0.00031	0.00091	0.00155	0.00067	0.00062
B [mg/L]	12-May-25	12:55	0.005	0.012	0.014	0.066	0.025	0.028
Be [mg/L]	12-May-25	12:55	0.000051	0.000029	0.000013	0.000054	0.000024	0.000033
Bi [mg/L]	12-May-25	12:55	0.00037	0.00014	0.00001	0.00018	0.00016	0.00023
Ca [mg/L]	12-May-25	12:55	5.13	5.52	5.92	6.80	6.11	5.87
Cd [mg/L]	12-May-25	12:55	0.000004	0.000004	< 0.000003	< 0.000003	0.000008	0.000004
Co [mg/L]	12-May-25	12:55	0.000014	0.000056	0.000570	0.000142	0.000158	0.000169
Cr [mg/L]	12-May-25	12:55	< 0.00008	0.00008	0.00011	0.00010	0.00011	< 0.00008
Cu [mg/L]	12-May-25	12:55	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	12-May-25	12:55	< 0.007	< 0.007	< 0.007	0.008	< 0.007	< 0.007
K [mg/L]	12-May-25	12:55	1.46	1.53	0.754	7.78	2.37	2.50
Li [mg/L]	12-May-25	12:55	0.0449	0.0791	0.0617	0.450	0.191	0.226
Mg [mg/L]	12-May-25	12:55	0.428	0.835	0.780	1.48	0.949	0.884
Mn [mg/L]	12-May-25	12:55	0.00830	0.00710	0.00923	0.0103	0.0126	0.0113
Mo [mg/L]	12-May-25	12:54	0.0005	0.0010	0.0009	0.0011	0.0010	0.0010
Na [mg/L]	12-May-25	12:54	2.15	1.69	1.70	5.24	4.26	5.08
Ni [mg/L]	12-May-25	12:54	< 0.0001	0.0007	0.0140	0.0027	0.0024	0.0026
Pb [mg/L]	12-May-25	12:54	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	12-May-25	12:54	0.100	0.176	0.702	0.356	0.403	0.444
Se [mg/L]	12-May-25	12:54	0.00013	0.00012	0.00034	0.00012	0.00010	0.00013

SGS LIMS OnLine

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004112871

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10036-MAY25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#10	6: CV5-CL-2 Wk#10	7: CV5-CL-3 Wk#10	8: CV5-CL-4 Wk#10	9: CV5-CL-5 Wk#10	10: CV5-CL-6 Wk#10
Sn [mg/L]	12-May-25	12:54	0.00463	0.00538	0.00405	0.00507	0.00377	0.00328
Sr [mg/L]	12-May-25	12:54	0.0140	0.0174	0.0293	0.0311	0.0229	0.0217
Ti [mg/L]	12-May-25	12:54	< 0.0001	0.0001	0.0001	0.0004	0.0001	0.0001
Tl [mg/L]	12-May-25	12:54	0.000083	0.000085	0.000093	0.000275	0.000139	0.000145
U [mg/L]	12-May-25	12:54	0.272	0.231	0.0368	0.652	0.351	0.348
V [mg/L]	12-May-25	12:54	0.00023	0.00117	0.00403	0.00298	0.00170	0.00169
W [mg/L]	12-May-25	12:54	0.00089	0.00104	0.00134	0.0190	0.00652	0.0200
Y [mg/L]	12-May-25	12:54	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	12-May-25	12:54	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00001	0.00001
Cs [mg/L]	12-May-25	12:54	0.0144	0.0640	0.197	0.259	0.120	0.116
Dy [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	12-May-25	12:54	0.0010	0.0009	< 0.0001	0.0023	0.0007	0.0006
Gd (tot) [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	12-May-25	12:54	0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Hf [mg/L]	12-May-25	12:54	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	12-May-25	12:54	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001
Ir [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	12-May-25	12:54	< 0.00001	0.00001	0.00005	0.00002	0.00002	0.00002
Lu [mg/L]	12-May-25	12:54	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	12-May-25	12:54	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Nd [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	12-May-25	12:54	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	12-May-25	12:54	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	12-May-25	12:54	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	12-May-25	12:54	0.0739	0.0714	0.0368	0.337	0.115	0.118
Re [mg/L]	12-May-25	12:54	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	12-May-25	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	13-May-25	09:00	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Ta [mg/L]	12-May-25	12:53	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	0.0001
Tb [mg/L]	12-May-25	12:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	12-May-25	12:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	12-May-25	12:53	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	12-May-25	12:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004112871

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

19-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 07 August 2025
LR Report: **CA10046-AUG25**
Reference: Wk#119

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#119	6: CV5-WR-HCT-5 Wk#119	7: CV5-WR-HCT-5 (DUP) Wk#119	8: CV5-WR-HCT-14 Wk#119	9: CV5-WR-HCT-22 Wk#119	10: CV5-WR-HCT-33 Wk#119
Sample Date & Time			07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25
HumCell Leachate Vol [mL]	07-Aug-25	13:45	931	951	956	1002	1000	983
pH [No unit]	15-Aug-25	12:07	6.00	6.43	7.39	6.79	6.43	6.62
Conductivity [uS/cm]	11-Aug-25	08:05	35	21	14	25	9	12

Analysis	11: CV5-WR-HCT-36 Wk#119	12: CV5-WR-HCT-39 Wk#119	13: CV5-WR-HCT-50 Wk#119	14: CV5-WR-HCT-56 Wk#119	15: CV5-WR-HCT-59 Wk#119	16: CV5-WR-HCT-62 Wk#119	17: CV5-WR-HCT-64 Wk#119	18: CV5-WR-HCT-69 Wk#119
Sample Date & Time	07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25	07-Aug-25
HumCell Leachate Vol [mL]	990	930	1003	995	979	931	1016	1004
pH [No unit]	7.48	6.38	4.70	6.68	5.54	7.75	6.49	6.31
Conductivity [uS/cm]	17	23	118	32	17	22	3	11

Analysis	19: CV5-ORE-HCT-74 Wk#119	20: CV5-ORE-HCT-76 Wk#119
Sample Date & Time	07-Aug-25	07-Aug-25
HumCell Leachate Vol [mL]	1000	1004
pH [No unit]	6.88	6.23
Conductivity [uS/cm]	2	15



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004224956

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

21-July-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 10 July 2025
LR Report: **CA10067-JUL25**
Reference: Wk#115

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#115	6: CV5-WR-HCT-5 Wk#115	7: CV5-WR-HCT-5 (DUP) Wk#115	8: CV5-WR-HCT-14 Wk#115	9: CV5-WR-HCT-22 Wk#115	10: CV5-WR-HCT-33 Wk#115
Sample Date & Time			10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25
HumCell Leachate Vol [mL]	10-Jul-25	12:04	973	978	967	988	1015	940
pH [No unit]	14-Jul-25	16:04	6.22	6.84	6.72	7.12	6.64	6.74
Conductivity [uS/cm]	11-Jul-25	14:08	34	20	12	21	9	9

Analysis	11: CV5-WR-HCT-36 Wk#115	12: CV5-WR-HCT-39 Wk#115	13: CV5-WR-HCT-50 Wk#115	14: CV5-WR-HCT-56 Wk#115	15: CV5-WR-HCT-59 Wk#115	16: CV5-WR-HCT-62 Wk#115	17: CV5-WR-HCT-64 Wk#115	18: CV5-WR-HCT-69 Wk#115
Sample Date & Time	10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25	10-Jul-25
HumCell Leachate Vol [mL]	1007	938	1005	1003	979	921	1003	1018
pH [No unit]	6.99	6.06	4.86	6.68	5.66	6.64	6.87	6.71
Conductivity [uS/cm]	13	21	62	34	15	18	3	10

Analysis	19: CV5-ORE-HCT-74 Wk#115	20: CV5-ORE-HCT-76 Wk#115
Sample Date & Time	10-Jul-25	10-Jul-25
HumCell Leachate Vol [mL]	1018	969
pH [No unit]	6.94	6.77
Conductivity [uS/cm]	2	11



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-April-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 09 April 2025
LR Report: **CA10068-APR25**
Reference: Columns - Wk#6

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#6	6: CV5-CL-2 Wk#6	7: CV5-CL-3 Wk#6	8: CV5-CL-4 Wk#6	9: CV5-CL-5 Wk#6	10: CV5-CL-6 Wk#6
Sample Date & Time			09-Apr-25	09-Apr-25	09-Apr-25	09-Apr-25	09-Apr-25	09-Apr-25
HumCell Leachate Vol [mL]	10-Apr-25	16:28	2005	1999	2003	2010	1980	1988
pH [No unit]	11-Apr-25	12:07	8.49	8.14	7.36	8.00	8.34	8.34
Conductivity [uS/cm]	11-Apr-25	12:07	58	60	63	123	93	106
Alkalinity [mg/L as CaCO3]	11-Apr-25	12:07	30	28	14	58	32	37
Acidity [mg/L as CaCO3]	11-Apr-25	12:07	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	17-Apr-25	13:03	0.5	3.4	5.9	6.8	7.9	7.8
F [mg/L]	11-Apr-25	12:50	0.08	0.20	0.12	0.86	0.32	0.37
NO2 [as N mg/L]	15-Apr-25	10:14	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	15-Apr-25	10:14	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	15-Apr-25	10:14	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	17-Apr-25	12:57	0.8	0.2	1.4	0.6	3.6	4.4
Hg [mg/L]	11-Apr-25	12:21	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	14-Apr-25	09:58	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	14-Apr-25	09:58	0.210	0.197	0.049	0.131	0.108	0.116
As [mg/L]	14-Apr-25	09:58	0.351	1.12	4.67	4.81	3.59	3.66
Ba [mg/L]	14-Apr-25	09:58	0.00026	0.00043	0.00098	0.00186	0.00073	0.00083
B [mg/L]	14-Apr-25	09:58	0.011	0.021	0.021	0.141	0.044	0.052
Be [mg/L]	14-Apr-25	09:58	0.000045	0.000031	0.000013	0.000079	0.000038	0.000055
Bi [mg/L]	14-Apr-25	09:58	0.00050	0.00022	0.00002	0.00029	0.00024	0.00027
Ca [mg/L]	14-Apr-25	09:58	4.91	5.13	6.00	6.08	5.81	6.15
Cd [mg/L]	14-Apr-25	09:58	0.000009	< 0.000003	< 0.000003	0.000003	0.000008	< 0.000003
Co [mg/L]	14-Apr-25	09:58	0.000025	0.000073	0.000489	0.000198	0.000196	0.000198
Cr [mg/L]	14-Apr-25	09:58	0.00009	0.00012	0.00019	0.00021	0.00014	0.00013
Cu [mg/L]	14-Apr-25	09:58	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001
Fe [mg/L]	14-Apr-25	09:58	< 0.007	< 0.007	0.008	0.011	< 0.007	< 0.007
K [mg/L]	14-Apr-25	09:58	2.36	2.33	1.18	10.5	3.33	3.72
Li [mg/L]	14-Apr-25	09:58	0.0988	0.165	0.103	0.849	0.347	0.411
Mg [mg/L]	14-Apr-25	09:58	0.467	0.881	0.755	1.46	0.936	0.954
Mn [mg/L]	14-Apr-25	09:58	0.00649	0.00651	0.00868	0.00869	0.0117	0.0107
Mo [mg/L]	14-Apr-25	09:58	0.0009	0.0019	0.0008	0.0019	0.0023	0.0026
Na [mg/L]	14-Apr-25	09:58	4.75	3.65	4.38	11.8	8.41	10.1
Ni [mg/L]	14-Apr-25	09:58	0.0001	0.0011	0.0147	0.0062	0.0036	0.0043
Pb [mg/L]	14-Apr-25	09:58	< 0.00009	0.00009	< 0.00009	0.00010	< 0.00009	0.00013
Sb [mg/L]	14-Apr-25	09:58	0.150	0.249	0.778	0.829	0.598	0.651
Se [mg/L]	14-Apr-25	09:58	0.00020	0.00017	0.00051	0.00018	0.00016	0.00017

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10068-APR25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#6	6: CV5-CL-2 Wk#6	7: CV5-CL-3 Wk#6	8: CV5-CL-4 Wk#6	9: CV5-CL-5 Wk#6	10: CV5-CL-6 Wk#6
Sn [mg/L]	14-Apr-25	09:58	0.00536	0.00530	0.00350	0.00802	0.00494	0.00409
Sr [mg/L]	14-Apr-25	09:58	0.0157	0.0185	0.0319	0.02944	0.0261	0.0263
Ti [mg/L]	14-Apr-25	09:58	< 0.0001	0.00026	0.00028	0.00045	0.00017	0.00018
Tl [mg/L]	14-Apr-25	09:58	0.000127	0.000118	0.000112	0.000363	0.000190	0.000204
U [mg/L]	14-Apr-25	09:58	0.423	0.269	0.0559	0.550	0.341	0.351
V [mg/L]	14-Apr-25	09:58	0.00044	0.00187	0.00655	0.00617	0.00244	0.00255
W [mg/L]	14-Apr-25	09:58	0.00223	0.00224	0.00288	0.0456	0.0203	0.0549
Y [mg/L]	14-Apr-25	09:58	< 0.00002	< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002
Zn [mg/L]	14-Apr-25	09:58	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	14-Apr-25	09:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	21-Apr-25	13:15	0.00002	0.00003	0.00001	0.00002	0.00001	0.00002
Cs [mg/L]	14-Apr-25	09:58	0.0187	0.0785	0.215	0.277	0.133	0.139
Dy [mg/L]	21-Apr-25	13:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	21-Apr-25	13:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	21-Apr-25	13:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	21-Apr-25	13:15	0.0013	0.0011	< 0.0001	0.0017	0.0007	0.0007
Gd (tot) [mg/L]	21-Apr-25	13:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	14-Apr-25	09:58	0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Hf [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	21-Apr-25	13:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	21-Apr-25	13:15	0.00002	0.00002	0.00001	0.00003	0.00002	0.00002
Ir [mg/L]	14-Apr-25	09:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	21-Apr-25	13:15	0.00002	0.00002	0.00004	0.00005	0.00003	0.00004
Lu [mg/L]	21-Apr-25	13:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	0.0003	0.0002	0.0002
Nd [mg/L]	21-Apr-25	13:15	< 0.00001	0.00001	< 0.00001	0.00001	< 0.00001	0.00001
Os [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	21-Apr-25	13:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	14-Apr-25	09:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	14-Apr-25	09:58	0.118	0.101	0.0467	0.445	0.154	0.166
Re [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	14-Apr-25	09:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	21-Apr-25	13:14	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	21-Apr-25	13:14	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Ta [mg/L]	24-Apr-25	11:09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb [mg/L]	21-Apr-25	13:14	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	14-Apr-25	09:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	21-Apr-25	13:14	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004089320

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-March-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 12 March 2025
LR Report: **CA10069-MAR25**
Reference: Columns - Wk#2

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#2	6: CV5-CL-2 Wk#2	7: CV5-CL-3 Wk#2	8: CV5-CL-4 Wk#2	9: CV5-CL-5 Wk#2	10: CV5-CL-6 Wk#2
Sample Date & Time			12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25
HumCell Leachate Vol [mL]	13-Mar-25	11:59	2016	2006	1935	1986	2031	2015
pH [No unit]	14-Mar-25	13:03	8.56	8.00	7.50	8.51	7.93	8.02
Conductivity [uS/cm]	14-Mar-25	13:03	176	117	168	479	200	204
Alkalinity [mg/L as CaCO3]	14-Mar-25	13:03	50	39	25	169	49	50
Acidity [mg/L as CaCO3]	14-Mar-25	13:03	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	24-Mar-25	13:13	3.8	11	15	49	17	17
F [mg/L]	14-Mar-25	08:21	0.34	0.53	0.21	4.92	0.76	0.73
NO2 [as N mg/L]	19-Mar-25	10:07	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	19-Mar-25	10:07	< 0.06	0.07	0.20	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	19-Mar-25	10:07	< 0.06	0.07	0.20	< 0.06	< 0.06	< 0.06
Cl [mg/L]	24-Mar-25	13:13	44	9.7	47	7.7	42	42
Hg [mg/L]	17-Mar-25	16:57	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	18-Mar-25	22:45	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	18-Mar-25	22:45	0.218	0.211	0.049	0.157	0.105	0.099
As [mg/L]	19-Mar-25	10:48	0.877	1.51	4.39	17.6	4.47	4.09
Ba [mg/L]	18-Mar-25	22:45	0.00048	0.00058	0.00172	0.00482	0.00130	0.00155
B [mg/L]	18-Mar-25	22:45	0.042	0.051	0.047	0.567	0.099	0.095
Be [mg/L]	18-Mar-25	22:45	0.000045	0.000026	0.000008	0.000101	0.000034	0.000035
Bi [mg/L]	18-Mar-25	22:45	0.00051	0.00023	0.00002	0.00030	0.00023	0.00023
Ca [mg/L]	18-Mar-25	22:45	5.29	5.48	9.92	6.17	7.36	7.43
Cd [mg/L]	18-Mar-25	22:45	0.000014	0.000006	0.000005	0.000016	0.000011	0.000008
Co [mg/L]	18-Mar-25	22:45	0.000083	0.000119	0.000365	0.00111	0.000286	0.000271
Cr [mg/L]	18-Mar-25	22:45	0.00011	0.00025	0.00027	0.00032	0.00015	0.00015
Cu [mg/L]	18-Mar-25	22:45	0.002	< 0.001	< 0.001	0.003	0.001	< 0.001
Fe [mg/L]	18-Mar-25	22:45	< 0.007	0.008	0.011	0.017	< 0.007	< 0.007
K [mg/L]	18-Mar-25	22:45	6.17	4.64	2.61	18.8	7.19	7.18
Li [mg/L]	18-Mar-25	22:45	0.516	0.634	0.436	4.48	1.08	1.10
Mg [mg/L]	18-Mar-25	22:45	0.660	1.14	1.52	2.10	1.49	1.46
Mn [mg/L]	18-Mar-25	22:45	0.00559	0.00530	0.0113	0.0136	0.0106	0.0106
Mo [mg/L]	18-Mar-25	22:45	0.0072	0.0084	0.0034	0.0292	0.0106	0.0090
Na [mg/L]	18-Mar-25	22:45	27.6	14.2	21.4	77.2	29.6	29.9
Ni [mg/L]	18-Mar-25	22:45	0.0011	0.0034	0.0241	0.0894	0.0099	0.0113
Pb [mg/L]	18-Mar-25	22:45	0.00012	< 0.00009	0.00010	0.00016	0.00014	0.00010
Sb [mg/L]	18-Mar-25	22:45	0.302	0.350	0.663	5.47	0.999	0.973
Se [mg/L]	18-Mar-25	22:45	0.00037	0.00044	0.00075	0.00056	0.00033	0.00030

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10069-MAR25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#2	6: CV5-CL-2 Wk#2	7: CV5-CL-3 Wk#2	8: CV5-CL-4 Wk#2	9: CV5-CL-5 Wk#2	10: CV5-CL-6 Wk#2
Sn [mg/L]	18-Mar-25	22:45	0.0165	0.0204	0.0126	0.0111	0.0132	0.0104
Sr [mg/L]	18-Mar-25	22:45	0.0204	0.0205	0.0584	0.0396	0.0356	0.0356
Ti [mg/L]	18-Mar-25	22:45	0.00013	0.00029	0.00026	0.00067	0.00018	0.00018
Tl [mg/L]	18-Mar-25	22:45	0.000320	0.000205	0.000179	0.000696	0.000359	0.000343
U [mg/L]	18-Mar-25	22:45	1.27	0.321	0.109	0.946	0.461	0.402
V [mg/L]	18-Mar-25	22:45	0.00096	0.00320	0.00822	0.0136	0.00341	0.00328
W [mg/L]	18-Mar-25	22:45	0.0148	0.0125	0.00813	0.700	0.0961	0.0967
Y [mg/L]	18-Mar-25	22:45	0.00002	< 0.00002	< 0.00002	0.00005	< 0.00002	< 0.00002
Zn [mg/L]	18-Mar-25	22:45	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001
Ce [mg/L]	18-Mar-25	22:45	0.00002	0.00002	0.00001	0.00004	0.00002	0.00002
Cs [mg/L]	18-Mar-25	22:45	0.0336	0.104	0.308	0.439	0.198	0.186
Dy [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	18-Mar-25	22:45	0.0021	0.0016	0.0001	0.0009	0.0008	0.0007
Gd (tot) [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Ge [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	0.0001
Hf [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001
Ho [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	18-Mar-25	22:45	0.00005	0.00007	0.00004	0.00004	0.00005	0.00004
Ir [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	18-Mar-25	22:45	0.00003	0.00003	0.00005	0.00032	0.00007	0.00006
Lu [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	18-Mar-25	22:45	0.0002	0.0001	< 0.0001	0.0008	0.0003	0.0002
Nd [mg/L]	18-Mar-25	22:45	0.00001	0.00001	< 0.00001	0.00002	0.00001	< 0.00001
Os [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	18-Mar-25	22:45	0.268	0.190	0.0833	0.754	0.300	0.298
Re [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Sc [mg/L]	18-Mar-25	22:45	0.0001	< 0.0001	< 0.0001	0.0005	0.0001	0.0001
Ta [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	0.0004	< 0.0001	< 0.0001
Tb [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	18-Mar-25	22:45	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001
Tm [mg/L]	18-Mar-25	22:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004058817

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

20-March-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 13 March 2025
LR Report: **CA10070-MAR25**
Reference: Wk#98

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#98	6: CV5-WR-HCT-5 Wk#98	7: CV5-WR-HCT-5 (DUP) Wk#98	8: CV5-WR-HCT-1 4 Wk#98	9: CV5-WR-HCT-2 2 Wk#98	10: CV5-WR-HCT-3 3 Wk#98
Sample Date & Time			13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25
HumCell Leachate Vol [mL]	13-Mar-25	12:00	947	945	953	1000	979	1007
pH [No unit]	17-Mar-25	16:00	6.57	6.72	6.72	6.85	6.59	6.82
Conductivity [uS/cm]	17-Mar-25	13:02	42	24	18	24	9	15

Analysis	11: CV5-WR-HCT-3 6 Wk#98	12: CV5-WR-HCT-3 9 Wk#98	13: CV5-WR-HCT-5 0 Wk#98	14: CV5-WR-HCT-5 6 Wk#98	15: CV5-WR-HCT-5 9 Wk#98	16: CV5-WR-HCT-6 2 Wk#98	17: CV5-WR-HCT-6 4 Wk#98	18: CV5-WR-HCT-6 9 Wk#98
Sample Date & Time	13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25	13-Mar-25
HumCell Leachate Vol [mL]	1000	943	1018	998	1012	925	1009	1003
pH [No unit]	6.51	6.49	6.37	6.74	6.40	6.80	6.58	6.91
Conductivity [uS/cm]	18	26	54	36	15	18	4	11

Analysis	19: CV5-ORE-HCT- 74 Wk#98	20: CV5-ORE-HCT- 76 Wk#98
Sample Date & Time	13-Mar-25	13-Mar-25
HumCell Leachate Vol [mL]	1011	1002
pH [No unit]	6.71	6.74
Conductivity [uS/cm]	2	14



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004051822

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Project : 2024 Tailings Columns

23-September-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 10 September 2025
LR Report: **CA10071-SEP25**
Reference: Wk#28 - 2024 Tailings Columns

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#28	6: CV5-CL-2 Wk#28	7: CV5-CL-3 Wk#28	8: CV5-CL-4 Wk#28	9: CV5-CL-5 Wk#28	10: CV5-CL-6 Wk#28
Sample Date & Time			10-Sep-25	10-Sep-25	10-Sep-25	10-Sep-25	10-Sep-25	10-Sep-25
HumCell Leachate Vol [mL]	11-Sep-25	13:54	2005	1920	1920	1967	1991	2004
pH [No unit]	15-Sep-25	13:36	7.48	7.42	7.10	7.98	7.69	7.71
Conductivity [uS/cm]	15-Sep-25	13:36	22	24	22	75	39	39
Alkalinity [mg/L as CaCO3]	15-Sep-25	13:37	12	12	8	34	21	22
Acidity [mg/L as CaCO3]	12-Sep-25	13:20	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	15-Sep-25	16:12	< 0.2	1.2	3.1	6.5	2.0	2.0
F [mg/L]	12-Sep-25	13:13	< 0.06	< 0.06	< 0.06	0.23	0.06	< 0.06
NO2 [as N mg/L]	17-Sep-25	11:01	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	17-Sep-25	11:01	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	17-Sep-25	11:01	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	15-Sep-25	16:13	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hg [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	16-Sep-25	12:13	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	16-Sep-25	12:13	0.183	0.115	0.012	0.142	0.110	0.109
As [mg/L]	16-Sep-25	12:13	0.0558	0.233	1.23	1.38	0.826	0.916
Ba [mg/L]	16-Sep-25	12:13	0.00014	0.00014	0.00040	0.00113	0.00043	0.00045
B [mg/L]	16-Sep-25	12:13	< 0.002	0.003	0.003	0.014	0.005	0.007
Be [mg/L]	16-Sep-25	12:13	0.000014	0.000027	< 0.000007	0.000085	0.000067	0.000063
Bi [mg/L]	16-Sep-25	12:13	0.00041	0.00014	< 0.00001	0.00041	0.00025	0.00024
Ca [mg/L]	16-Sep-25	12:13	3.72	3.06	2.97	9.48	5.89	5.83
Cd [mg/L]	16-Sep-25	12:13	0.000005	0.000004	0.000003	0.000005	< 0.000003	0.000003
Co [mg/L]	16-Sep-25	12:13	0.000017	0.000067	0.000874	0.000244	0.000161	0.000148
Cr [mg/L]	16-Sep-25	12:13	< 0.00008	< 0.00008	< 0.00008	0.00019	0.00009	< 0.00008
Cu [mg/L]	16-Sep-25	12:13	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	16-Sep-25	12:13	< 0.007	< 0.007	< 0.007	0.012	< 0.007	< 0.007
K [mg/L]	16-Sep-25	12:13	0.516	0.433	0.151	3.13	0.968	1.08
Li [mg/L]	16-Sep-25	12:13	0.0082	0.0165	0.0126	0.183	0.0513	0.0611
Mg [mg/L]	16-Sep-25	12:13	0.180	0.300	0.307	1.56	0.602	0.649
Mn [mg/L]	16-Sep-25	12:13	0.0175	0.00699	0.00797	0.0144	0.0154	0.0139
Mo [mg/L]	16-Sep-25	12:13	< 0.0004	< 0.0004	< 0.0004	0.0004	< 0.0004	< 0.0004
Na [mg/L]	16-Sep-25	12:13	0.50	0.28	0.14	1.59	0.93	1.12
Ni [mg/L]	16-Sep-25	12:13	< 0.0001	0.0004	0.0129	0.0024	0.0014	0.0015
Pb [mg/L]	16-Sep-25	12:13	0.00010	0.00011	< 0.00009	0.00011	< 0.00009	< 0.00009
Sb [mg/L]	16-Sep-25	12:13	0.0415	0.0674	0.351	0.187	0.153	0.176

OnLine LIMS

0004267263

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Project : 2024 Tailings Columns

LR Report : **CA10071-SEP25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#28	6: CV5-CL-2 Wk#28	7: CV5-CL-3 Wk#28	8: CV5-CL-4 Wk#28	9: CV5-CL-5 Wk#28	10: CV5-CL-6 Wk#28
Se [mg/L]	16-Sep-25	12:13	0.00005	< 0.00004	< 0.00004	0.00009	0.00006	0.00006
Sn [mg/L]	16-Sep-25	12:13	0.00063	0.00039	0.00037	0.00152	0.00117	0.00094
Sr [mg/L]	16-Sep-25	12:13	0.00874	0.00833	0.01191	0.03121	0.01857	0.01883
Ti [mg/L]	16-Sep-25	12:13	< 0.0001	0.0002	0.0001	0.0005	0.0003	< 0.0001
Tl [mg/L]	16-Sep-25	12:13	0.000032	0.000034	0.000034	0.000165	0.000071	0.000074
U [mg/L]	16-Sep-25	12:13	0.0820	0.0684	0.0124	0.367	0.199	0.211
V [mg/L]	16-Sep-25	12:13	0.00008	0.00028	0.00082	0.00256	0.00077	0.00085
W [mg/L]	16-Sep-25	12:13	< 0.0002	0.00023	0.00025	0.0105	0.00079	0.00103
Y [mg/L]	16-Sep-25	12:13	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	16-Sep-25	12:13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	0.00001	0.00002	0.00001	0.00001
Cs [mg/L]	16-Sep-25	12:13	0.0077	0.0317	0.0916	0.191	0.0756	0.0805
Dy [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	16-Sep-25	12:13	0.0004	0.0003	< 0.0001	0.0033	0.0006	0.0005
Gd (tot) [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Hf [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	16-Sep-25	12:13	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	0.00002	0.00002	0.00001	0.00001
Lu [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Nd [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Os [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	16-Sep-25	12:13	0.0311	0.0253	0.0134	0.166	0.0575	0.0631
Re [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Ta [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Tb [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	16-Sep-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	16-Sep-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004267263

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

21-February-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 13 February 2025
LR Report: **CA10073-FEB25**
Reference: Wk#94

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#94	6: CV5-WR-HCT-5 Wk#94	7: CV5-WR-HCT-5 (DUP) Wk#94	8: CV5-WR-HCT-14 Wk#94	9: CV5-WR-HCT-22 Wk#94	10: CV5-WR-HCT-33 Wk#94	11: CV5-WR-HCT-36 Wk#94
Sample Date & Time			13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25
HumCell Leachate Vol [mL]	14-Feb-25	09:07	940	940	969	989	944	1004	1006
pH [No unit]	18-Feb-25	15:40	6.51	7.43	6.61	6.85	6.58	6.86	7.06
Conductivity [uS/cm]	14-Feb-25	15:56	41	21	23	24	9	12	24
Conductivity [uS/cm]	20-Feb-25	10:31	---	---	---	---	---	---	---

Analysis	12: CV5-WR-HCT-39 Wk#94	13: CV5-WR-HCT-50 Wk#94	14: CV5-WR-HCT-56 Wk#94	15: CV5-WR-HCT-59 Wk#94	16: CV5-WR-HCT-62 Wk#94	17: CV5-WR-HCT-64 Wk#94	18: CV5-WR-HCT-69 Wk#94	19: CV5-ORE-HCT-74 Wk#94	20: CV5-ORE-HCT-76 Wk#94
Sample Date & Time	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25	13-Feb-25
HumCell Leachate Vol [mL]	963	1008	958	961	968	963	962	996	988
pH [No unit]	6.47	6.21	6.72	6.07	6.55	6.53	6.92	6.48	6.56
Conductivity [uS/cm]	22	60	35	19	25	3	7	---	15
Conductivity [uS/cm]	---	---	---	---	---	---	---	2	---

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004024396

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

23-June-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 12 June 2025
LR Report: **CA10078-JUN25**
Reference: Wk#111

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#111	6: CV5-WR-HCT-5 Wk#111	7: CV5-WR-HCT-5 (DUP) Wk#111	8: CV5-WR-HCT-14 Wk#111	9: CV5-WR-HCT-22 Wk#111	10: CV5-WR-HCT-33 Wk#111
Sample Date & Time			12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25
HumCell Leachate Vol [mL]	12-Jun-25	16:56	921	945	955	1012	987	929
pH [No unit]	17-Jun-25	10:20	6.39	6.22	6.63	7.06	6.66	7.02
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	17-Jun-25	10:21	36	22	13	27	8	10

Analysis	11: CV5-WR-HCT-36 Wk#111	12: CV5-WR-HCT-39 Wk#111	13: CV5-WR-HCT-50 Wk#111	14: CV5-WR-HCT-56 Wk#111	15: CV5-WR-HCT-59 Wk#111	16: CV5-WR-HCT-62 Wk#111	17: CV5-WR-HCT-64 Wk#111	18: CV5-WR-HCT-69 Wk#111
Sample Date & Time	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25	12-Jun-25
HumCell Leachate Vol [mL]	973	939	967	1005	977	948	992	1016
pH [No unit]	6.86	6.51	4.72	6.54	5.92	6.83	6.70	6.95
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	15	26	172	37	24	20	4	11

Analysis	19: CV5-ORE-HCT-74 Wk#111	20: CV5-ORE-HCT-76 Wk#111
Sample Date & Time	12-Jun-25	12-Jun-25
HumCell Leachate Vol [mL]	1009	1003
pH [No unit]	7.22	6.60
Alkalinity [mg/L as CaCO3]	***	***
Conductivity [uS/cm]	3	15



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004158598

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

22-September-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 11 September 2025
LR Report: **CA10079-SEP25**
Reference: Wk#124

CERTIFICATE OF ANALYSIS

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#124	6: CV5-WR-HCT -5 Wk#124	7: CV5-WR-HCT-5 (DUP) Wk#124	8: CV5-WR-HCT -14 Wk#124	9: CV5-WR-HCT -22 Wk#124
Sample Date & Time			11-Sep-25	11-Sep-25	11-Sep-25	11-Sep-25	11-Sep-25
HumCell Leachate Vol [mL]	11-Sep-25	13:56	926	924	958	957	956
pH [No unit]	16-Sep-25	14:31	6.01	7.06	6.33	8.05	7.56
Alkalinity [mg/L as CaCO3]	17-Sep-25	13:26	2	7	7	9	7
Conductivity [uS/cm]	15-Sep-25	13:35	36	22	16	17	7

Analysis	10: CV5-WR-HCT -33 Wk#124	11: CV5-WR-HCT -36 Wk#124	12: CV5-WR-HCT -39 Wk#124	13: CV5-WR-HCT -50 Wk#124	14: CV5-WR-HCT -56 Wk#124	15: CV5-WR-HCT -59 Wk#124	16: CV5-WR-HCT -62 Wk#124
Sample Date & Time	11-Sep-25	11-Sep-25	11-Sep-25	11-Sep-25	11-Sep-25	11-Sep-25	11-Sep-25
HumCell Leachate Vol [mL]	955	999	938	987	976	947	932
pH [No unit]	6.24	6.32	6.29	4.64	6.85	5.78	6.36
Alkalinity [mg/L as CaCO3]	7	7	<2	< 2	7	<2	7
Conductivity [uS/cm]	10	15	19	93	29	16	21

Analysis	17: CV5-WR-HCT -64 Wk#124	18: CV5-WR-HCT -69 Wk#124	19: CV5-ORE-HCT-74 Wk#124	20: CV5-ORE-HCT-76 Wk#124
Sample Date & Time	11-Sep-25	11-Sep-25	11-Sep-25	11-Sep-25
HumCell Leachate Vol [mL]	1000	997	1006	999
pH [No unit]	6.60	6.51	6.30	6.42
Alkalinity [mg/L as CaCO3]	2	7	<2	7
Conductivity [uS/cm]	3	10	2	14

Lisa Thompson
Project Specialist Assistant,

OnLine LMS

0004266071

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10079-SEP25**

Environment, Health & Safety

OnLine LIMS

0004266071

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

25-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 13 August 2025
LR Report: **CA10087-AUG25**
Reference: Columns - Wk#24

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#24	6: CV5-CL-2 Wk#24	7: CV5-CL-3 Wk#24	8: CV5-CL-4 Wk#24	9: CV5-CL-5 Wk#24	10: CV5-CL-6 Wk#24
Sample Date & Time			13-Aug-25	13-Aug-25	13-Aug-25	13-Aug-25	13-Aug-25	13-Aug-25
HumCell Leachate Vol [mL]	15-Aug-25	13:02	1999	2002	1998	2009	2005	1981
pH [No unit]	19-Aug-25	10:16	7.27	7.15	6.97	7.37	7.19	7.35
Conductivity [uS/cm]	18-Aug-25	11:51	25	31	35	74	47	44
Alkalinity [mg/L as CaCO3]	15-Aug-25	14:45	12	14	12	33	22	18
Acidity [mg/L as CaCO3]	19-Aug-25	10:17	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	19-Aug-25	15:45	0.2	1.4	4.3	6.8	2.4	2.2
F [mg/L]	15-Aug-25	13:26	< 0.06	0.07	< 0.06	0.26	0.06	0.06
NO2 [as N mg/L]	19-Aug-25	10:49	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	19-Aug-25	10:49	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	19-Aug-25	10:49	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	19-Aug-25	15:45	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hg [mg/L]	19-Aug-25	14:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	19-Aug-25	14:02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Aug-25	14:02	0.200	0.181	0.039	0.122	0.117	0.118
As [mg/L]	19-Aug-25	14:02	0.0656	0.427	2.31	1.53	1.08	1.06
Ba [mg/L]	19-Aug-25	14:02	0.00011	0.00022	0.00061	0.00117	0.00050	0.00045
B [mg/L]	19-Aug-25	14:02	< 0.002	0.005	0.006	0.017	0.009	0.009
Be [mg/L]	19-Aug-25	14:02	0.000037	0.000026	0.000010	0.000059	0.000023	0.000055
Bi [mg/L]	19-Aug-25	14:02	0.00041	0.00015	0.00002	0.00038	0.00023	0.00024
Ca [mg/L]	19-Aug-25	14:02	4.23	4.82	5.57	9.48	6.59	5.82
Cd [mg/L]	19-Aug-25	14:02	0.000003	0.000004	< 0.000003	0.000004	0.000004	0.000003
Co [mg/L]	19-Aug-25	14:02	0.000014	0.000058	0.000870	0.000251	0.000165	0.000147
Cr [mg/L]	19-Aug-25	14:02	< 0.00008	0.00008	0.00012	0.00014	< 0.00008	0.00009
Cu [mg/L]	19-Aug-25	14:02	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	19-Aug-25	14:02	< 0.007	< 0.007	0.007	0.008	< 0.007	< 0.007
K [mg/L]	19-Aug-25	14:02	0.620	0.684	0.323	3.75	1.29	1.32
Li [mg/L]	19-Aug-25	14:02	0.0126	0.0326	0.0283	0.198	0.0820	0.0831
Mg [mg/L]	19-Aug-25	14:02	0.216	0.511	0.592	1.61	0.778	0.711
Mn [mg/L]	19-Aug-25	14:02	0.0156	0.00914	0.0100	0.0148	0.0152	0.0126
Mo [mg/L]	19-Aug-25	14:02	< 0.0004	< 0.0004	< 0.0004	0.0008	< 0.0004	< 0.0004
Na [mg/L]	19-Aug-25	14:02	0.58	0.48	0.30	1.97	1.26	1.35
Ni [mg/L]	19-Aug-25	14:02	0.0001	0.0006	0.0152	0.0032	0.0017	0.0015
Pb [mg/L]	19-Aug-25	14:02	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	19-Aug-25	14:02	0.0445	0.0976	0.546	0.193	0.196	0.206
Se [mg/L]	19-Aug-25	14:02	0.00006	0.00007	0.00019	0.00009	0.00007	0.00007

OnLine LIMS

0004232900

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10087-AUG25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#24	6: CV5-CL-2 Wk#24	7: CV5-CL-3 Wk#24	8: CV5-CL-4 Wk#24	9: CV5-CL-5 Wk#24	10: CV5-CL-6 Wk#24
Sn [mg/L]	19-Aug-25	14:02	0.00091	0.00086	0.00101	0.00193	0.00164	0.00140
Sr [mg/L]	19-Aug-25	14:02	0.00974	0.0132	0.0227	0.0306	0.0213	0.0193
Ti [mg/L]	19-Aug-25	14:02	< 0.0001	0.00012	0.00011	0.00031	0.00015	0.00020
Tl [mg/L]	19-Aug-25	14:02	0.000042	0.000047	0.000062	0.000169	0.000082	0.000081
U [mg/L]	19-Aug-25	14:02	0.106	0.121	0.0291	0.405	0.254	0.236
V [mg/L]	19-Aug-25	14:02	0.00009	0.00057	0.00223	0.00233	0.00096	0.00095
W [mg/L]	19-Aug-25	14:02	0.00024	0.00034	0.00041	0.0120	0.00111	0.00153
Y [mg/L]	19-Aug-25	14:02	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	19-Aug-25	14:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	19-Aug-25	14:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00001	< 0.00001
Cs [mg/L]	19-Aug-25	14:02	0.0092	0.0462	0.185	0.203	0.0957	0.0960
Dy [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	21-Aug-25	15:45	0.0005	0.0006	< 0.0001	0.0033	0.0006	0.0005
Gd (tot) [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Hf [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	19-Aug-25	14:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	0.00003	0.00001	0.00002	0.00001
Lu [mg/L]	21-Aug-25	15:45	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Nd [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	19-Aug-25	14:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	19-Aug-25	14:02	0.0366	0.0373	0.0255	0.205	0.0734	0.0723
Re [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	19-Aug-25	14:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	21-Aug-25	15:45	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Ta [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Tb [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	19-Aug-25	14:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004232900

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-January-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 16 January 2025
LR Report: **CA10090-JAN25**
Reference: Wk#90

Copy: #1

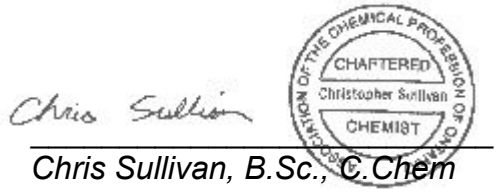
CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#90	6: CV5-WR-HCT-5 Wk#90	7: CV5-WR-HCT-5 (DUP) Wk#90	8: CV5-WR-HCT-1 4 Wk#90	9: CV5-WR-HCT-2 2 Wk#90
Sample Date & Time			16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24
HumCell Leachate Vol [mL]	17-Jan-25	15:54	948	976	991	997	1014
pH [No unit]	21-Jan-25	11:51	6.52	6.50	6.58	6.95	6.70
Conductivity [uS/cm]	20-Jan-25	14:40	50	24	18	27	12

Analysis	10: CV5-WR-HCT-3 3 Wk#90	11: CV5-WR-HCT-3 6 Wk#90	12: CV5-WR-HCT-3 9 Wk#90	13: CV5-WR-HCT-5 0 Wk#90	14: CV5-WR-HCT-5 6 Wk#90	15: CV5-WR-HCT-5 9 Wk#90	16: CV5-WR-HCT-6 2 Wk#90
Sample Date & Time	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24
HumCell Leachate Vol [mL]	1040	1029	983	993	998	1003	972
pH [No unit]	6.81	7.06	6.40	5.92	6.98	6.10	6.92
Conductivity [uS/cm]	16	20	26	63	35	15	21

Analysis	17: CV5-WR-HCT-6 4 Wk#90	18: CV5-WR-HCT-6 9 Wk#90	19: CV5-ORE-HCT-7 4 Wk#90	20: CV5-ORE-HCT-7 6 Wk#90
Sample Date & Time	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24
HumCell Leachate Vol [mL]	1005	1036	1041	1057
pH [No unit]	6.55	7.17	6.74	6.58
Conductivity [uS/cm]	6	12	3	15



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004001412

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

03-September-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 14 August 2025
LR Report: **CA10094-AUG25**
Reference: Wk#120

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#120	6: CV5-WR-HCT-5 Wk#120	7: CV5-WR-HCT-5 (DUP) Wk#120	8: CV5-WR-HCT-14 Wk#120	9: CV5-WR-HCT-22 Wk#120	10: CV5-WR-HCT-33 Wk#120
Sample Date & Time			14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25
HumCell Leachate Vol [mL]	15-Aug-25	13:04	927	947	952	1021	1004	961
pH [No unit]	19-Aug-25	10:45	6.30	6.44	7.45	6.94	6.88	6.63
Alkalinity [mg/L as CaCO3]	15-Aug-25	14:50	< 2	3	3	10	3	4
Conductivity [uS/cm]	18-Aug-25	12:45	34	22	14	26	7	7
Acidity [mg/L as CaCO3]	19-Aug-25	10:45	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	18-Aug-25	13:47	< 0.06	0.11	< 0.06	0.10	< 0.06	< 0.06
Tot.Reactive P [mg/L]	20-Aug-25	08:25	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	19-Aug-25	12:00	11	4	2	< 2	< 2	< 2
Cl [mg/L]	19-Aug-25	12:00	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	18-Aug-25	20:01	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	18-Aug-25	20:01	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	18-Aug-25	20:01	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	19-Aug-25	14:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	19-Aug-25	14:02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Aug-25	14:02	0.008	0.024	0.017	0.059	0.017	0.053
As [mg/L]	20-Aug-25	12:24	0.0012	0.0642	0.0508	0.0125	0.0374	0.0027
Ba [mg/L]	19-Aug-25	14:03	0.00016	0.00010	< 0.00008	< 0.00008	< 0.00008	0.00009
Be [mg/L]	19-Aug-25	14:03	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	19-Aug-25	14:03	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	19-Aug-25	14:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	19-Aug-25	14:03	4.97	3.41	2.12	4.32	1.32	1.83
Cd [mg/L]	19-Aug-25	14:03	0.000004	< 0.000003	0.000004	0.000003	0.000003	< 0.000003
Cd [mg/L]	19-Aug-25	14:03	---	---	---	---	---	---
Co [mg/L]	19-Aug-25	14:03	0.000375	0.000227	0.000142	0.000041	0.000055	0.000040
Cr [mg/L]	19-Aug-25	14:03	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	19-Aug-25	14:03	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	19-Aug-25	14:03	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	19-Aug-25	14:03	0.069	0.030	0.027	0.017	0.012	0.020
Li [mg/L]	19-Aug-25	14:03	0.0027	0.0031	0.0028	0.0023	0.0020	0.0009
Mg [mg/L]	19-Aug-25	14:03	0.145	0.086	0.078	0.092	0.092	0.038
Mn [mg/L]	19-Aug-25	14:03	0.00321	0.00170	0.00112	0.00463	0.00020	0.00401
Mo [mg/L]	19-Aug-25	14:07	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	19-Aug-25	14:07	0.07	0.04	0.03	0.07	0.04	0.05
Ni [mg/L]	19-Aug-25	14:07	0.0012	0.0009	0.0005	0.0001	0.0002	< 0.0001
Pb [mg/L]	20-Aug-25	12:24	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

OnLine LIMS

0004242922

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10094-AUG25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#120	6: CV5-WR-HCT-5 Wk#120	7: CV5-WR-HCT-5 (DUP) Wk#120	8: CV5-WR-HCT-1 4 Wk#120	9: CV5-WR-HCT-2 2 Wk#120	10: CV5-WR-HCT-3 3 Wk#120
Sb [mg/L]	19-Aug-25	14:07	< 0.0009	0.0127	0.0075	0.0015	0.0015	< 0.0009
Se [mg/L]	19-Aug-25	14:07	0.00006	< 0.00004	< 0.00004	0.00004	< 0.00004	< 0.00004
Sn [mg/L]	19-Aug-25	14:07	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	19-Aug-25	14:07	0.00440	0.00226	0.00176	0.00213	0.00244	0.00126
Ti [mg/L]	19-Aug-25	14:07	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	19-Aug-25	14:07	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	19-Aug-25	14:07	0.000065	0.000013	0.000039	0.000829	0.000068	0.000006
V [mg/L]	19-Aug-25	14:07	0.00006	0.00020	0.00021	0.00106	0.00048	0.00034
W [mg/L]	19-Aug-25	14:07	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	19-Aug-25	14:07	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	19-Aug-25	14:07	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	19-Aug-25	14:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	21-Aug-25	15:45	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	19-Aug-25	14:05	0.0043	0.0044	0.0047	0.0015	0.0025	0.0012
Dy (tot) [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	21-Aug-25	15:45	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	21-Aug-25	15:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	19-Aug-25	14:05	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	21-Aug-25	15:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	19-Aug-25	14:05	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	19-Aug-25	14:05	0.0018	0.0013	0.0012	0.0002	0.0006	0.0003
Re (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	19-Aug-25	14:05	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	21-Aug-25	15:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	19-Aug-25	14:05	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	21-Aug-25	15:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	11: CV5-WR-HCT-3 6 Wk#120	12: CV5-WR-HCT- 39 Wk#120	13: CV5-WR-HCT- 50 Wk#120	14: CV5-WR-HCT-5 6 Wk#120	15: CV5-WR-HCT-5 9 Wk#120	16: CV5-WR-HCT-6 2 Wk#120	17: CV5-WR-HCT-6 4 Wk#120	18: CV5-WR-HCT-6 9 Wk#120
Sample Date & Time	14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25	14-Aug-25
HumCell Leachate Vol [mL]	1008	942	987	999	974	933	1022	1022
pH [No unit]	6.61	6.01	4.68	6.62	5.56	7.62	6.78	6.27
Alkalinity [mg/L as CaCO3]	6	< 2	< 2	7	< 2	6	2	5
Conductivity [uS/cm]	13	19	90	34	14	17	2	9
Acidity [mg/L as CaCO3]	< 2	3	21	< 2	13	< 2	< 2	< 2
F [mg/L]	< 0.06	0.53	0.73	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06

OnLine LIMS

0004242922

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10094-AUG25**

Analysis	11: CV5-WR-HCT-36 Wk#120	12: CV5-WR-HCT-39 Wk#120	13: CV5-WR-HCT-50 Wk#120	14: CV5-WR-HCT-56 Wk#120	15: CV5-WR-HCT-59 Wk#120	16: CV5-WR-HCT-62 Wk#120	17: CV5-WR-HCT-64 Wk#120	18: CV5-WR-HCT-69 Wk#120
Tot.Reactive P [mg/L]	0.05	< 0.03	< 0.03	< 0.03	< 0.03	0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	5	40	6	3	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	< 0.001	0.024	0.654	0.044	0.002	0.002	0.011	0.059
As [mg/L]	0.526	0.0021	0.0007	0.0037	0.0071	0.393	0.0027	0.0016
Ba [mg/L]	0.00027	0.00022	0.00249	0.00032	0.00015	0.00014	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000042	0.000821	< 0.000007	< 0.000007	< 0.000007	0.000010	0.000068
B [mg/L]	< 0.002	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00025
Ca [mg/L]	2.23	2.40	6.33	5.64	1.62	2.32	0.52	1.88
Cd [mg/L]	< 0.000003	0.000085	0.00399	0.000003	0.000007	---	< 0.000003	0.000003
Cd [mg/L]	---	---	---	---	---	< 0.000003	---	---
Co [mg/L]	0.000612	0.00380	0.272	0.000144	0.0158	0.000479	0.000006	0.000006
Cr [mg/L]	0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	0.009	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	5.90	< 0.007	0.092	< 0.007	< 0.007	< 0.007
K [mg/L]	0.022	0.083	0.224	0.067	0.012	0.018	0.095	0.043
Li [mg/L]	0.0009	0.0059	0.0258	0.0009	0.0010	0.0002	0.0008	0.0005
Mg [mg/L]	0.447	0.313	1.10	0.087	0.264	0.706	0.016	0.010
Mn [mg/L]	0.00157	0.0344	0.101	0.00889	0.0126	0.00201	0.00552	0.00227
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.01	0.07	0.22	0.05	0.02	0.02	0.03	0.08
Ni [mg/L]	0.0060	0.0071	0.617	0.0003	0.169	0.0045	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	0.00022	0.00016	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.140	0.0013	< 0.0009	< 0.0009	< 0.0009	0.202	< 0.0009	< 0.0009
Se [mg/L]	< 0.00004	0.00012	0.00060	< 0.00004	0.00009	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007
Sr [mg/L]	0.00118	0.00422	0.00803	0.00262	0.00438	0.00088	0.00056	0.00191
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000005	0.000082	< 0.000005	< 0.000005	< 0.000005	0.000027	< 0.000005
U [mg/L]	0.000011	0.000031	0.00228	0.000202	0.000007	0.000022	0.000083	0.00117
V [mg/L]	0.00009	0.00003	< 0.00001	0.00016	< 0.00001	0.00007	0.00002	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	0.00124	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	0.015	2.00	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00005	0.00537	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0066	0.0017	0.0790	0.0145	0.0061	0.0022	0.0049	0.0014
Dy (tot) [mg/L]	< 0.00001	< 0.00001	0.00024	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	0.00011	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	0.00005	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	0.00039	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00004	0.00359	< 0.00001	0.00001	0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0004242922

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10094-AUG25**

Analysis	11: CV5-WR-HCT-36 Wk#120	12: CV5-WR-HCT-39 Wk#120	13: CV5-WR-HCT-50 Wk#120	14: CV5-WR-HCT-56 Wk#120	15: CV5-WR-HCT-59 Wk#120	16: CV5-WR-HCT-62 Wk#120	17: CV5-WR-HCT-64 Wk#120	18: CV5-WR-HCT-69 Wk#120
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	0.00001	0.00183	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	0.00052	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0011	0.0013	0.0154	0.0005	0.0010	0.0008	0.0105	0.0028
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	0.00032	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	0.00005	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	0.00007	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	19: CV5-ORE-HCT-74 Wk#120	20: CV5-ORE-HCT-76 Wk#120
Sample Date & Time	14-Aug-25	14-Aug-25
HumCell Leachate Vol [mL]	1003	1004
pH [No unit]	6.61	6.77
Alkalinity [mg/L as CaCO3]	< 2	7
Conductivity [uS/cm]	2	13
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2
Cl [mg/L]	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.014	0.034
As [mg/L]	0.0034	0.0012
Ba [mg/L]	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000030
B [mg/L]	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00007
Ca [mg/L]	0.24	2.89
Cd [mg/L]	0.000003	< 0.000003
Cd [mg/L]	---	---
Co [mg/L]	0.000048	0.000028
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.048	0.099
Li [mg/L]	0.0055	0.0038
Mg [mg/L]	0.005	0.039
Mn [mg/L]	0.0442	0.00065
Mo [mg/L]	< 0.0004	< 0.0004

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004242922

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10094-AUG25**

Analysis	19: CV5-ORE-HCT-74 Wk#120	20: CV5-ORE-HCT-76 Wk#120
Na [mg/L]	0.05	0.05
Ni [mg/L]	0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0033	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006
Sr [mg/L]	0.00045	0.00335
Ti [mg/L]	< 0.0001	< 0.0001
Tl [mg/L]	0.000022	0.000006
U [mg/L]	0.000093	0.000633
V [mg/L]	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0122	0.0034
Dy (tot) [mg/L]	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0084	0.0047
Re (tot) [mg/L]	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004242922

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10094-AUG25**

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004242922

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

12-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 16 July 2025
LR Report: **CA10107-JUL25**
Reference: Columns - Wk#20

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#20	6: CV5-CL-2 Wk#20	7: CV5-CL-3 Wk#20	8: CV5-CL-4 Wk#20	9: CV5-CL-5 Wk#20	10: CV5-CL-6 Wk#20
Sample Date & Time			16-Jul-25	16-Jul-25	16-Jul-25	16-Jul-25	16-Jul-25	16-Jul-25
HumCell Leachate Vol [mL]	17-Jul-25	08:45	2065	1999	2007	2006	2008	1986
pH [No unit]	18-Jul-25	15:16	7.55	8.01	6.93	7.51	7.00	7.02
Conductivity [uS/cm]	18-Jul-25	15:15	30	34	39	82	46	47
Alkalinity [mg/L as CaCO3]	18-Jul-25	15:15	14	20	13	37	23	23
Acidity [mg/L as CaCO3]	18-Jul-25	15:11	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	22-Jul-25	12:33	0.2	1.5	4.6	6.9	2.5	2.5
F [mg/L]	18-Jul-25	08:07	< 0.06	0.08	< 0.06	0.32	0.07	0.10
NO2 [as N mg/L]	23-Jul-25	15:21	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	23-Jul-25	15:21	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	23-Jul-25	15:21	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	22-Jul-25	12:34	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hg [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	31-Jul-25	15:41	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	31-Jul-25	15:41	0.198	0.168	0.040	0.142	0.114	0.101
As [mg/L]	31-Jul-25	15:41	0.0864	0.458	2.60	1.67	1.24	1.21
Ba [mg/L]	31-Jul-25	15:41	0.00017	0.00028	0.00065	0.00132	0.00068	0.00047
B [mg/L]	31-Jul-25	15:41	0.002	0.006	0.007	0.023	0.011	0.012
Be [mg/L]	31-Jul-25	15:41	0.000029	0.000034	0.000022	0.000050	0.000032	0.000035
Bi [mg/L]	31-Jul-25	15:41	0.00043	0.00016	0.00002	0.00028	0.00025	0.00024
Ca [mg/L]	31-Jul-25	15:41	4.80	4.74	5.68	8.80	6.32	5.66
Cd [mg/L]	31-Jul-25	15:41	0.000005	< 0.000003	0.000004	0.000003	0.000004	0.000006
Co [mg/L]	31-Jul-25	15:41	0.000027	0.000055	0.000838	0.000227	0.000169	0.000164
Cr [mg/L]	31-Jul-25	15:41	< 0.00008	0.00009	0.00009	0.00017	< 0.00008	< 0.00008
Cu [mg/L]	31-Jul-25	15:41	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	31-Jul-25	15:41	< 0.007	< 0.007	< 0.007	0.011	< 0.007	< 0.007
K [mg/L]	31-Jul-25	15:41	0.842	0.814	0.407	4.86	1.53	1.52
Li [mg/L]	31-Jul-25	15:41	0.0174	0.0380	0.0335	0.246	0.0887	0.0967
Mg [mg/L]	31-Jul-25	15:41	0.279	0.545	0.642	1.82	0.774	0.704
Mn [mg/L]	31-Jul-25	15:41	0.0143	0.0083	0.0106	0.0157	0.0145	0.0116
Mo [mg/L]	31-Jul-25	15:41	< 0.0004	0.0004	< 0.0004	0.0008	0.0005	0.0005
Na [mg/L]	31-Jul-25	15:41	0.83	0.62	0.46	2.56	1.60	1.72
Ni [mg/L]	31-Jul-25	15:41	< 0.0001	0.0006	0.0146	0.0034	0.0017	0.0014
Pb [mg/L]	31-Jul-25	15:41	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	31-Jul-25	15:41	0.0607	0.120	0.607	0.247	0.226	0.247
Se [mg/L]	31-Jul-25	15:41	0.00008	0.00006	0.00020	0.00011	0.00009	0.00007

OnLine LIMS

0004215968

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10107-JUL25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#20	6: CV5-CL-2 Wk#20	7: CV5-CL-3 Wk#20	8: CV5-CL-4 Wk#20	9: CV5-CL-5 Wk#20	10: CV5-CL-6 Wk#20
Sn [mg/L]	31-Jul-25	15:41	0.00098	0.00193	0.00208	0.00260	0.00212	0.00194
Sr [mg/L]	31-Jul-25	15:41	0.0111	0.0133	0.0238	0.0338	0.0209	0.0186
Ti [mg/L]	31-Jul-25	15:41	< 0.0001	0.0002	0.0001	0.0003	0.0002	< 0.0001
Tl [mg/L]	31-Jul-25	15:41	0.000053	0.000057	0.000073	0.000215	0.000097	0.000102
U [mg/L]	31-Jul-25	15:41	0.131	0.136	0.0286	0.417	0.259	0.256
V [mg/L]	31-Jul-25	15:41	0.00013	0.00065	0.00278	0.00282	0.00112	0.00108
W [mg/L]	31-Jul-25	15:41	0.00036	0.00051	0.00056	0.0136	0.00160	0.00312
Y [mg/L]	31-Jul-25	15:41	< 0.00002	< 0.00002	< 0.00002	0.00002	< 0.00002	< 0.00002
Zn [mg/L]	31-Jul-25	15:41	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	31-Jul-25	15:41	0.00003	0.00003	0.00002	0.00003	0.00002	0.00003
Cs [mg/L]	31-Jul-25	15:41	0.0111	0.0493	0.189	0.208	0.101	0.0977
Dy [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	31-Jul-25	15:41	0.0007	0.0006	< 0.0001	0.0032	0.0006	0.0005
Gd (tot) [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Hf [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	31-Jul-25	15:41	0.00002	0.00002	0.00003	0.00002	0.00002	0.00002
Lu [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Nd [mg/L]	31-Jul-25	15:41	0.00001	0.00001	0.00001	0.00001	< 0.00001	0.00001
Os [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	31-Jul-25	15:41	0.0440	0.0408	0.0275	0.248	0.0789	0.0769
Re [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Ta [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Tb [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	31-Jul-25	15:41	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Tm [mg/L]	31-Jul-25	15:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004215968

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

12-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 17 July 2025
LR Report: **CA10113-JUL25**
Reference: Wk#116

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#116	6: CV5-WR-HCT -5 Wk#116	7: CV5-WR-HCT- 5 (DUP) Wk#116	8: CV5-WR-HCT- 14 Wk#116	9: CV5-WR-HCT- 22 Wk#116
Sample Date & Time			17-Jul-25	17-Jul-25	17-Jul-25	17-Jul-25	17-Jul-25
HumCell Leachate Vol [mL]	18-Jul-25	16:35	982	978	982	1001	1012
pH [No unit]	21-Jul-25	10:31	6.23	6.92	6.58	6.84	6.31
Alkalinity [mg/L as CaCO3]	18-Jul-25	09:54	< 2	4	2	9	5
Conductivity [uS/cm]	18-Jul-25	09:55	36	21	11	21	8
Acidity [mg/L as CaCO3]	21-Jul-25	09:58	<2	< 2	2	< 2	< 2
F [mg/L]	18-Jul-25	13:28	< 0.06	0.08	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	21-Jul-25	08:04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	28-Jul-25	14:14	12	4	2	< 2	< 2
Cl [mg/L]	28-Jul-25	14:14	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	24-Jul-25	13:33	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	24-Jul-25	13:33	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	24-Jul-25	13:33	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	25-Jul-25	10:30	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	25-Jul-25	10:30	0.009	0.023	0.017	0.064	0.018
As [mg/L]	25-Jul-25	10:30	0.0007	0.0732	0.0595	0.0144	0.0485
Ba [mg/L]	25-Jul-25	10:30	0.00018	0.00012	< 0.00008	0.00009	< 0.00008
Be [mg/L]	25-Jul-25	10:30	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	25-Jul-25	10:30	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	25-Jul-25	10:30	5.51	3.52	1.94	4.26	1.55
Cd [mg/L]	25-Jul-25	10:30	< 0.000003	0.000007	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	25-Jul-25	10:30	0.000250	0.000256	0.000170	0.000057	0.000048
Cr [mg/L]	25-Jul-25	10:30	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	25-Jul-25	10:30	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	25-Jul-25	10:30	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	25-Jul-25	10:30	0.081	0.036	0.030	0.021	0.022
Li [mg/L]	25-Jul-25	10:30	0.0025	0.0033	0.0028	0.0019	0.0024
Mg [mg/L]	25-Jul-25	10:30	0.156	0.093	0.075	0.098	0.111

OnLine LIMS

0004215978

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10113-JUL25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#116	6: CV5-WR-HCT -5 Wk#116	7: CV5-WR-HCT-5 (DUP) Wk#116	8: CV5-WR-HCT-14 Wk#116	9: CV5-WR-HCT-22 Wk#116
Mn [mg/L]	25-Jul-25	10:30	0.00185	0.00202	0.00121	0.00452	0.00021
Mo [mg/L]	25-Jul-25	10:30	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	25-Jul-25	10:30	0.08	0.04	0.04	0.08	0.05
Ni [mg/L]	25-Jul-25	10:30	0.0009	0.0011	0.0006	0.0001	0.0001
Pb [mg/L]	25-Jul-25	10:30	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	25-Jul-25	10:30	< 0.0009	0.0160	0.0084	0.0012	0.0020
Se [mg/L]	25-Jul-25	10:30	0.00008	< 0.00004	< 0.00004	0.00005	< 0.00004
Sn [mg/L]	25-Jul-25	10:30	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	25-Jul-25	10:30	0.00529	0.00451	0.00191	0.00234	0.00316
Ti [mg/L]	25-Jul-25	10:30	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	25-Jul-25	10:30	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	25-Jul-25	10:30	0.000018	0.000007	0.000027	0.000110	0.000084
V [mg/L]	25-Jul-25	10:30	0.00004	0.00025	0.00024	0.00131	0.00064
W [mg/L]	25-Jul-25	10:30	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	25-Jul-25	10:30	< 0.00002	0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	25-Jul-25	10:30	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	25-Jul-25	10:30	0.0046	0.0050	0.0051	0.0012	0.0029
Dy (tot) [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	25-Jul-25	10:30	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	25-Jul-25	10:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	---	0.00004	< 0.00001	< 0.00001
Nb (tot) [mg/L]	25-Jul-25	10:27	---	< 0.00001	---	---	---
Nd (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	25-Jul-25	10:27	0.0019	0.0015	0.0014	0.0003	0.0008
Re (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine SMS

0004215978

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10113-JUL25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#116	6: CV5-WR-HCT -5 Wk#116	7: CV5-WR-HCT-5 (DUP) Wk#116	8: CV5-WR-HCT-14 Wk#116	9: CV5-WR-HCT-22 Wk#116
Te (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	25-Jul-25	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	25-Jul-25	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-33 Wk#116	11: CV5-WR-HCT-36 Wk#116	12: CV5-WR-HCT-39 Wk#116	13: CV5-WR-HCT-50 Wk#116	14: CV5-WR-HCT-56 Wk#116	15: CV5-WR-HCT-59 Wk#116
Sample Date & Time	17-Jul-25	17-Jul-25	17-Jul-25	17-Jul-25	17-Jul-25	17-Jul-25
HumCell Leachate Vol [mL]	917	958	918	991	1005	1003
pH [No unit]	6.57	7.25	6.01	4.89	6.57	5.70
Alkalinity [mg/L as CaCO3]	5	6	< 2	< 2	9	< 2
Conductivity [uS/cm]	8	13	23	94	34	15
Acidity [mg/L as CaCO3]	< 2	< 2	5	17	< 2	8
F [mg/L]	<0.06	< 0.06	0.29	0.74	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.08	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	7	42	6	3
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.061	0.002	0.011	0.611	0.070	0.002
As [mg/L]	0.0030	0.519	0.0024	0.0019	0.0056	0.0067
Ba [mg/L]	0.00009	0.00026	0.00020	0.00235	0.00034	0.00017
Be [mg/L]	< 0.000007	< 0.000007	0.000027	0.000632	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.61	1.88	2.95	8.76	6.48	1.64
Cd [mg/L]	< 0.000003	< 0.000003	0.000058	0.00426	< 0.000003	< 0.000003
Co [mg/L]	0.000038	0.000440	0.00217	0.300	0.000084	0.0151
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.010	< 0.001	< 0.001
Fe [mg/L]	< 0.007	0.007	< 0.007	4.69	< 0.007	0.075
K [mg/L]	0.025	0.021	0.095	0.225	0.093	0.011
Li [mg/L]	0.0007	0.0008	0.0065	0.0198	0.0012	0.0009
Mg [mg/L]	0.036	0.425	0.352	1.11	0.102	0.265
Mn [mg/L]	0.00354	0.00123	0.0275	0.139	0.0104	0.0131
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	0.02	0.08	0.22	0.06	0.03
Ni [mg/L]	< 0.0001	0.0044	0.0045	0.652	0.0001	0.163
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00014	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.136	0.0016	< 0.0009	< 0.0009	< 0.0009

OnLine LMS

0004215978

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10113-JUL25**

Analysis	10: CV5-WR-HCT-33 Wk#116	11: CV5-WR-HCT-36 Wk#116	12: CV5-WR-HCT-39 Wk#116	13: CV5-WR-HCT-50 Wk#116	14: CV5-WR-HCT-56 Wk#116	15: CV5-WR-HCT-59 Wk#116
Se [mg/L]	< 0.00004	< 0.00004	0.00014	0.00034	0.00006	0.00009
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00110	0.00105	0.00518	0.0108	0.00389	0.00485
Ti [mg/L]	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000069	< 0.000005	0.000006
U [mg/L]	0.000011	0.000012	0.000029	0.00232	0.000293	< 0.000002
V [mg/L]	0.00039	0.00009	0.00003	< 0.00001	0.00027	< 0.00001
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00126	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.008	2.22	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00004	0.00508	< 0.00001	0.00001
Cs (tot) [mg/L]	0.0012	0.0064	0.0018	0.0732	0.0203	0.0064
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00023	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00009	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00035	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	0.00003	0.00343	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001
Nb (tot) [mg/L]	---	---	---	---	---	---
Nd (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00176	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00048	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0002	0.0009	0.0014	0.0146	0.0006	0.0011
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00030	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00006	< 0.00001	< 0.00001

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10113-JUL25**

Analysis	16: CV5-WR-HCT-62 Wk#116	17: CV5-WR-HCT-64 Wk#116	18: CV5-WR-HCT-69 Wk#116	19: CV5-ORE-HCT-74 Wk#116	20: CV5-ORE-HCT-76 Wk#116
Sample Date & Time	17-Jul-25	17-Jul-25	17-Jul-25	17-Jul-25	17-Jul-25
HumCell Leachate Vol [mL]	953	1000	1018	981	976
pH [No unit]	6.11	6.88	6.59	6.80	6.66
Alkalinity [mg/L as CaCO3]	6	< 2	5	2	6
Conductivity [uS/cm]	16	3	10	2	13
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	<0.06	< 0.06
Tot.Reactive P [mg/L]	0.04	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	< 0.001	0.011	0.083	0.024	0.042
As [mg/L]	0.420	0.0027	0.0022	0.0047	0.0011
Ba [mg/L]	0.00026	< 0.00008	0.00010	< 0.00008	< 0.00008
Be [mg/L]	< 0.000007	0.000007	0.000060	0.000012	0.000050
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	0.00033	< 0.00001	0.00009
Ca [mg/L]	2.14	0.49	2.01	0.27	2.64
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	0.000005	< 0.000003
Co [mg/L]	0.000406	0.000005	< 0.000004	0.000023	0.000004
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.012	0.102	0.052	0.065	0.111
Li [mg/L]	< 0.0001	0.0007	0.0005	0.0068	0.0041
Mg [mg/L]	0.646	0.017	0.012	0.007	0.041
Mn [mg/L]	0.00221	0.00667	0.00240	0.0525	0.00077
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.02	0.03	0.09	0.07	0.06
Ni [mg/L]	0.0046	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00011	< 0.00009
Sb [mg/L]	0.203	< 0.0009	0.0009	0.0040	< 0.0009
Se [mg/L]	0.00005	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00095	0.00060	0.00224	0.00059	0.00350
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000025	< 0.000005	0.000030	0.000006
U [mg/L]	0.000019	0.000051	0.00125	0.000103	0.000514
V [mg/L]	0.00006	0.00001	0.00004	< 0.00001	0.00002
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002

SMS OnLine

0004215978

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10113-JUL25**

Analysis	16: CV5-WR-HCT-62 Wk#116	17: CV5-WR-HCT-64 Wk#116	18: CV5-WR-HCT-69 Wk#116	19: CV5-ORE-HCT-74 Wk#116	20: CV5-ORE-HCT-76 Wk#116
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0018	0.0048	0.0016	0.0142	0.0036
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	0.00002	< 0.00001	0.00002	< 0.00001	< 0.00001
Nb (tot) [mg/L]	---	---	---	---	---
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0007	0.0107	0.0030	0.0111	0.0051
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNT SMS

0004215978

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

07-July-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 18 June 2025
LR Report: **CA10113-JUN25**
Reference: Columns - Wk#16

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#16	6: CV5-CL-2 Wk#16	7: CV5-CL-3 Wk#16	8: CV5-CL-4 Wk#16	9: CV5-CL-5 Wk#16	10: CV5-CL-6 Wk#16
Sample Date & Time			18-Jun-25	18-Jun-25	18-Jun-25	18-Jun-25	18-Jun-25	18-Jun-25
HumCell Leachate Vol [mL]	20-Jun-25	16:15	1981	1986	1913	2015	1992	1948
pH [No unit]	20-Jun-25	11:29	7.77	8.11	7.65	8.04	7.84	7.85
Conductivity [uS/cm]	20-Jun-25	11:29	28	36	39	73	47	46
Alkalinity [mg/L as CaCO3]	20-Jun-25	11:29	16	20	12	35	23	25
Acidity [mg/L as CaCO3]	20-Jun-25	11:29	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	26-Jun-25	09:49	0.2	1.8	6.2	5.9	3.2	3.3
F [mg/L]	23-Jun-25	13:20	0.09	0.08	< 0.06	0.35	0.12	0.14
NO2 [as N mg/L]	26-Jun-25	09:43	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	26-Jun-25	09:43	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	26-Jun-25	09:43	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	26-Jun-25	09:49	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hg [mg/L]	30-Jun-25	15:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	24-Jun-25	13:26	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	24-Jun-25	13:26	0.212	0.195	0.041	0.107	0.107	0.107
As [mg/L]	24-Jun-25	13:26	0.107	0.542	3.03	1.45	1.50	1.52
Ba [mg/L]	24-Jun-25	13:26	0.00014	0.00022	0.00079	0.00116	0.00058	0.00053
B [mg/L]	24-Jun-25	13:26	0.003	0.007	0.010	0.033	0.014	0.015
Be [mg/L]	24-Jun-25	13:26	0.000036	0.000026	0.000011	0.000045	0.000039	0.000028
Bi [mg/L]	24-Jun-25	13:26	0.00040	0.00019	0.00003	0.00033	0.00049	0.00026
Ca [mg/L]	24-Jun-25	13:26	4.79	5.70	6.36	7.77	6.45	6.15
Cd [mg/L]	24-Jun-25	13:26	0.000004	< 0.000003	0.000006	0.000005	< 0.000003	0.000004
Co [mg/L]	24-Jun-25	13:26	0.000014	0.000049	0.00102	0.000137	0.000179	0.000175
Cr [mg/L]	24-Jun-25	13:26	< 0.00008	0.00008	0.00015	0.00010	< 0.00008	0.00008
Cu [mg/L]	24-Jun-25	13:26	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	24-Jun-25	13:26	< 0.007	< 0.007	0.009	< 0.007	< 0.007	< 0.007
K [mg/L]	24-Jun-25	13:26	0.950	1.00	0.545	5.59	1.73	1.88
Li [mg/L]	24-Jun-25	13:26	0.0220	0.0460	0.0419	0.316	0.105	0.122
Mg [mg/L]	24-Jun-25	13:26	0.327	0.667	0.770	1.63	0.850	0.832
Mn [mg/L]	24-Jun-25	13:26	0.0123	0.0110	0.0116	0.0123	0.0147	0.0127
Mo [mg/L]	24-Jun-25	13:26	< 0.0004	0.0004	< 0.0004	0.0006	0.0005	0.0007
Na [mg/L]	24-Jun-25	13:26	1.06	0.86	0.74	3.08	2.15	2.59
Ni [mg/L]	24-Jun-25	13:26	< 0.0001	0.0005	0.0192	0.0019	0.0020	0.0018
Pb [mg/L]	24-Jun-25	13:26	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00009
Sb [mg/L]	24-Jun-25	13:26	0.0660	0.132	0.723	0.229	0.275	0.307
Se [mg/L]	24-Jun-25	13:26	0.00010	0.00008	0.00024	0.00011	0.00010	0.00009

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10113-JUN25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#16	6: CV5-CL-2 Wk#16	7: CV5-CL-3 Wk#16	8: CV5-CL-4 Wk#16	9: CV5-CL-5 Wk#16	10: CV5-CL-6 Wk#16
Sn [mg/L]	24-Jun-25	13:26	0.00336	0.00323	0.00447	0.00335	0.00260	0.00268
Sr [mg/L]	24-Jun-25	13:26	0.0122	0.0156	0.0289	0.0318	0.0224	0.0214
Ti [mg/L]	24-Jun-25	13:26	< 0.0001	0.00013	0.00024	0.00030	0.00012	< 0.0001
Tl [mg/L]	24-Jun-25	13:26	0.000061	0.000062	0.000090	0.000200	0.000107	0.000108
U [mg/L]	24-Jun-25	13:26	0.183	0.181	0.0433	0.455	0.298	0.302
V [mg/L]	24-Jun-25	13:26	0.00015	0.00081	0.00338	0.00161	0.00123	0.00128
W [mg/L]	24-Jun-25	13:26	0.00067	0.00057	0.00078	0.0101	0.00192	0.00477
Y [mg/L]	24-Jun-25	13:26	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	24-Jun-25	13:26	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	24-Jun-25	13:26	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Cs [mg/L]	24-Jun-25	13:26	0.0119	0.0525	0.203	0.217	0.104	0.107
Dy [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	25-Jun-25	12:52	0.0007	0.0007	< 0.0001	0.0030	0.0006	0.0005
Gd (tot) [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Hf [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	25-Jun-25	12:52	0.00001	0.00001	0.00002	0.00001	< 0.00001	0.00001
Ir [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	25-Jun-25	12:52	< 0.00001	0.00001	0.00004	0.00002	0.00002	0.00002
Lu [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Nd [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	25-Jun-25	12:52	0.0513	0.0500	0.0323	0.258	0.0886	0.0905
Re [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Ta [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	25-Jun-25	12:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	25-Jun-25	12:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNM

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004173779

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-February-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 20 February 2025
LR Report: **CA10116-FEB25**
Reference: Wk#95

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#95	6: CV5-WR-HCT-5 Wk#95	7: CV5-WR-HCT-5 (DUP) Wk#95	8: CV5-WR-HCT-14 Wk#95	9: CV5-WR-HCT-22 Wk#95	10: CV5-WR-HCT-33 Wk#95
Sample Date & Time			20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25
HumCell Leachate Vol [mL]	21-Feb-25	08:51	938	956	967	1020	994	974
pH [No unit]	26-Feb-25	12:26	6.20	6.55	6.54	6.74	6.30	7.25
Conductivity [uS/cm]	21-Feb-25	11:38	46	31	21	25	9	12

Analysis	11: CV5-WR-HCT-36 Wk#95	12: CV5-WR-HCT-39 Wk#95	13: CV5-WR-HCT-50 Wk#95	14: CV5-WR-HCT-56 Wk#95	15: CV5-WR-HCT-59 Wk#95	16: CV5-WR-HCT-62 Wk#95	17: CV5-WR-HCT-64 Wk#95	18: CV5-WR-HCT-69 Wk#95
Sample Date & Time	20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25	20-Feb-25
HumCell Leachate Vol [mL]	971	964	1026	1010	1012	948	1013	1018
pH [No unit]	7.15	6.76	6.09	6.66	5.92	6.66	6.93	6.88
Conductivity [uS/cm]	20	22	60	38	18	20	6	11

Analysis	19: CV5-ORE-HCT-74 Wk#95	20: CV5-ORE-HCT-76 Wk#95
Sample Date & Time	20-Feb-25	20-Feb-25
HumCell Leachate Vol [mL]	953	969
pH [No unit]	6.72	6.84
Conductivity [uS/cm]	4	12



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004032229

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-March-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 20 March 2025
LR Report: **CA10116-MAR25**
Reference: Wk#99

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#99	6: CV5-WR-HCT-5 Wk#99	7: CV5-WR-HCT-5 (DUP) Wk#99	8: CV5-WR-HCT-14 Wk#99	9: CV5-WR-HCT-22 Wk#99	10: CV5-WR-HCT-33 Wk#99
Sample Date & Time			20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25
HumCell Leachate Vol [mL]	20-Mar-25	10:01	926	952	943	987	991	1021
pH [No unit]	21-Mar-25	15:37	6.62	7.36	6.77	7.11	6.92	7.12
Conductivity [uS/cm]	21-Mar-25	15:08	42	24	18	24	10	17

Analysis	11: CV5-WR-HCT-36 Wk#99	12: CV5-WR-HCT-39 Wk#99	13: CV5-WR-HCT-50 Wk#99	14: CV5-WR-HCT-56 Wk#99	15: CV5-WR-HCT-59 Wk#99	16: CV5-WR-HCT-62 Wk#99	17: CV5-WR-HCT-64 Wk#99	18: CV5-WR-HCT-69 Wk#99
Sample Date & Time	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25
HumCell Leachate Vol [mL]	974	947	1021	990	1007	927	1022	984
pH [No unit]	6.98	6.16	6.40	6.77	6.48	6.98	7.01	6.96
Conductivity [uS/cm]	17	26	58	32	16	18	5	11

Analysis	19: CV5-ORE-HCT-74 Wk#99	20: CV5-ORE-HCT-76 Wk#99
Sample Date & Time	20-Mar-25	20-Mar-25
HumCell Leachate Vol [mL]	1000	1023
pH [No unit]	7.08	6.73
Conductivity [uS/cm]	2	19



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004059325

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-July-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 19 June 2025
LR Report: **CA10119-JUN25**
Reference: Wk#112

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#112	6: CV5-WR-HCT-5 Wk#112	7: CV5-WR-HCT-5 (DUP) Wk#112	8: CV5-WR-HCT-14 Wk#112	9: CV5-WR-HCT-22 Wk#112
Sample Date & Time			19-Jun-25	19-Jun-25	19-Jun-25	19-Jun-25	19-Jun-25
HumCell Leachate Vol [mL]	20-Jun-25	16:17	958	967	980	1003	1002
pH [No unit]	27-Jun-25	13:33	6.61	7.16	6.94	7.48	7.04
Alkalinity [mg/L as CaCO3]	20-Jun-25	11:32	< 2	4	3	11	3
Alkalinity [mg/L as CaCO3]	03-Jul-25	11:14	---	---	---	---	---
Conductivity [uS/cm]	23-Jun-25	09:55	31	18	11	20	9
Acidity [mg/L as CaCO3]	23-Jun-25	10:38	2	< 2	< 2	< 2	< 2
F [mg/L]	23-Jun-25	13:21	< 0.06	0.10	< 0.06	< 0.06	< 0.06
F [mg/L]	02-Jul-25	15:25	---	---	---	---	---
Tot.Reactive P [mg/L]	24-Jun-25	09:39	0.07	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	25-Jun-25	16:11	11	3	2	< 2	< 2
Cl [mg/L]	25-Jun-25	16:11	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	27-Jun-25	08:03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	27-Jun-25	08:03	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	27-Jun-25	08:03	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	24-Jun-25	13:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	24-Jun-25	13:30	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	26-Jun-25	14:17	0.009	0.021	0.014	0.065	0.016
As [mg/L]	26-Jun-25	14:17	0.0016	0.0778	0.0613	0.0154	0.0498
Ba [mg/L]	26-Jun-25	14:17	0.00017	0.00009	0.00010	< 0.00008	0.00024
Be [mg/L]	24-Jun-25	13:30	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	24-Jun-25	13:30	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	24-Jun-25	13:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	26-Jun-25	14:17	5.37	3.10	2.08	4.63	1.65
Cd [mg/L]	24-Jun-25	13:30	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	26-Jun-25	14:17	0.000244	0.000227	0.000149	0.000053	0.000067
Cr [mg/L]	24-Jun-25	13:30	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	24-Jun-25	13:30	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	24-Jun-25	13:30	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	26-Jun-25	14:17	0.079	0.015	0.030	0.018	0.016
Li [mg/L]	26-Jun-25	14:17	0.0032	0.0039	0.0030	0.0024	0.0029

OnLine LIMS

00041768O5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10119-JUN25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#112	6: CV5-WR-HCT-5 Wk#112	7: CV5-WR-HCT-5 (DUP) Wk#112	8: CV5-WR-HCT-14 Wk#112	9: CV5-WR-HCT-22 Wk#112
Mg [mg/L]	26-Jun-25	14:17	0.168	0.094	0.075	0.109	0.132
Mn [mg/L]	26-Jun-25	14:17	0.00211	0.00202	0.00130	0.00506	0.00043
Mo [mg/L]	24-Jun-25	13:30	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	24-Jun-25	13:30	0.08	0.05	0.04	0.08	0.07
Ni [mg/L]	26-Jun-25	14:17	0.0009	0.0010	0.0006	< 0.0001	0.0002
Pb [mg/L]	24-Jun-25	13:29	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	26-Jun-25	14:17	< 0.0009	0.0178	0.0105	0.0015	0.0023
Se [mg/L]	24-Jun-25	13:29	0.00010	< 0.00004	< 0.00004	0.00006	< 0.00004
Sn [mg/L]	24-Jun-25	13:29	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	26-Jun-25	14:17	0.00510	0.00233	0.00176	0.00253	0.00350
Ti [mg/L]	25-Jun-25	12:51	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	26-Jun-25	14:17	0.000008	0.000006	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	26-Jun-25	14:17	0.000083	0.000100	0.000007	0.000074	0.000106
U [mg/L]	26-Jun-25	14:17	---	---	---	---	---
V [mg/L]	24-Jun-25	13:29	0.00008	0.00029	0.00022	0.00137	0.00069
W [mg/L]	24-Jun-25	13:29	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
W [mg/L]	24-Jun-25	13:29	---	---	---	---	---
Y [mg/L]	24-Jun-25	13:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	25-Jun-25	12:50	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	24-Jun-25	13:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	24-Jun-25	13:29	0.0050	0.0061	0.0056	0.0012	0.0031
Dy (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	25-Jun-25	12:50	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	24-Jun-25	13:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	24-Jun-25	13:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	25-Jun-25	12:50	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	24-Jun-25	13:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	24-Jun-25	13:28	0.0022	0.0018	0.0016	0.0003	0.0008
Re (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	24-Jun-25	13:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	25-Jun-25	12:50	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0004176805

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10119-JUN25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#112	6: CV5-WR-HCT-5 Wk#112	7: CV5-WR-HCT-5 (DUP) Wk#112	8: CV5-WR-HCT-14 Wk#112	9: CV5-WR-HCT-22 Wk#112
Te (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	24-Jun-25	13:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	25-Jun-25	12:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-33 Wk#112	11: CV5-WR-HCT-36 Wk#112	12: CV5-WR-HCT-39 Wk#112	13: CV5-WR-HCT-50 Wk#112	14: CV5-WR-HCT-56 Wk#112	15: CV5-WR-HCT-59 Wk#112	16: CV5-WR-HCT-62 Wk#112
Sample Date & Time	19-Jun-25	19-Jun-25	19-Jun-25	19-Jun-25	19-Jun-25	19-Jun-25	19-Jun-25
HumCell Leachate Vol [mL]	964	991	991	1014	1002	1004	930
pH [No unit]	7.33	7.26	6.18	4.85	7.40	5.91	7.36
Alkalinity [mg/L as CaCO3]	4	---	< 2	< 2	10	< 2	6
Alkalinity [mg/L as CaCO3]	---	8	---	---	---	---	---
Conductivity [uS/cm]	8	12	20	109	32	15	15
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	22	< 2	8	< 2
F [mg/L]	< 0.06	---	0.29	0.59	< 0.06	< 0.06	< 0.06
F [mg/L]	---	< 0.06	---	---	---	---	---
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	7	47	6	4	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.054	0.001	0.005	0.410	0.056	0.002	< 0.001
As [mg/L]	0.0048	0.577	0.0025	0.0016	0.0048	0.0084	0.449
Ba [mg/L]	< 0.00008	0.00029	0.00022	0.00220	0.00033	0.00019	0.00016
Be [mg/L]	< 0.000007	< 0.000007	0.000014	0.000550	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	0.003	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.91	1.98	3.17	10.0	6.46	2.11	2.34
Cd [mg/L]	< 0.000003	< 0.000003	0.000044	0.00417	< 0.000003	0.000011	< 0.000003
Co [mg/L]	0.000048	0.000597	0.00114	0.319	0.000092	0.0159	0.000482
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.008	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	8.16	< 0.007	0.076	< 0.007
K [mg/L]	0.015	0.021	0.093	0.267	0.103	0.014	0.009
Li [mg/L]	0.0011	0.0010	0.0066	0.0293	0.0019	0.0013	0.0002
Mg [mg/L]	0.045	0.453	0.359	1.14	0.113	0.325	0.694
Mn [mg/L]	0.00426	0.00152	0.0173	0.173	0.0103	0.0148	0.00209
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	0.02	0.08	0.23	0.06	0.03	< 0.01
Ni [mg/L]	< 0.0001	0.0060	0.0023	0.559	0.0001	0.155	0.0053
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00042	< 0.00009	0.00009	< 0.00009
Sb [mg/L]	0.0012	0.149	0.0026	< 0.0009	0.0011	< 0.0009	0.239

OnLine LMS

0004176805

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10119-JUN25**

Analysis	10: CV5-WR-HCT-3 3 Wk#112	11: CV5-WR-HCT-3 6 Wk#112	12: CV5-WR-HCT-39 Wk#112	13: CV5-WR-HCT-50 Wk#112	14: CV5-WR-HCT-5 6 Wk#112	15: CV5-WR-HCT-5 9 Wk#112	16: CV5-WR-HCT-6 2 Wk#112
Se [mg/L]	< 0.00004	< 0.00004	0.00008	0.00017	0.00006	0.00010	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00130	0.00119	0.00526	0.01126	0.00360	0.00613	0.00090
Ti [mg/L]	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000006	0.000010	0.000094	0.000012	0.000014	< 0.000005
U [mg/L]	0.000136	0.000034	0.000065	---	---	0.000047	0.000026
U [mg/L]	---	---	---	0.00164	0.000263	---	---
V [mg/L]	0.00036	0.00010	0.00005	< 0.00001	0.00021	0.00001	0.00008
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	< 0.0002	< 0.0002
W [mg/L]	---	---	---	---	< 0.0002	---	---
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00112	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.005	1.90	< 0.002	0.003	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00443	< 0.00001	0.00002	< 0.00001
Cs (tot) [mg/L]	0.0015	0.0070	0.0021	0.0965	0.0213	0.0075	0.0017
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00017	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00008	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	0.00006	< 0.00001	0.00031	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00316	< 0.00001	0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00147	< 0.00001	0.00002	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00043	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0010	0.0015	0.0175	0.0012	0.0012	0.0007
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00025	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0004176805

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10119-JUN25**

Analysis	17: CV5-WR-HCT-64 Wk#112	18: CV5-WR-HCT-69 Wk#112	19: CV5-ORE-HCT-74 Wk#112	20: CV5-ORE-HCT-76 Wk#112
Sample Date & Time	19-Jun-25	19-Jun-25	19-Jun-25	19-Jun-25
HumCell Leachate Vol [mL]	1006	1010	998	1003
pH [No unit]	6.90	7.29	6.70	7.38
Alkalinity [mg/L as CaCO3]	3	6	< 2	9
Alkalinity [mg/L as CaCO3]	---	---	---	---
Conductivity [uS/cm]	2	9	2	16
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
F [mg/L]	---	---	---	---
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.010	0.072	0.013	0.036
As [mg/L]	0.0027	0.0033	0.0055	0.0026
Ba [mg/L]	< 0.00008	0.00010	< 0.00008	< 0.00008
Be [mg/L]	0.000011	0.000069	0.000008	0.000036
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00018	< 0.00001	0.00010
Ca [mg/L]	0.67	2.20	0.37	3.55
Cd [mg/L]	< 0.000003	0.000003	0.000008	< 0.000003
Co [mg/L]	0.000007	0.000014	0.000007	0.000009
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.112	0.052	0.071	0.129
Li [mg/L]	0.0010	0.0008	0.0080	0.0053
Mg [mg/L]	0.024	0.015	0.008	0.054
Mn [mg/L]	0.00813	0.00257	0.0575	0.00090
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.10	0.06	0.06
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0011	0.0011	0.0044	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00077	0.00265	0.00073	0.00449
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000034	0.000007	0.000034	0.000016
U [mg/L]	0.00118	0.00195	0.000283	0.00139
U [mg/L]	---	---	---	---
V [mg/L]	0.00001	0.00004	< 0.00001	0.00003
W [mg/L]	0.0003	< 0.0002	< 0.0002	< 0.0002

OnLine LMS

0004176805

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10119-JUN25**

Analysis	17: CV5-WR-HCT-64 Wk#112	18: CV5-WR-HCT-69 Wk#112	19: CV5-ORE-HCT-74 Wk#112	20: CV5-ORE-HCT-76 Wk#112
W [mg/L]	---	---	---	---
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00004	0.00001	< 0.00001
Cs (tot) [mg/L]	0.0061	0.0018	0.0159	0.0043
Dy (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0121	0.0032	0.0119	0.0058
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004176805

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-June-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 May 2025
LR Report: **CA10122-MAY25**
Reference: Columns - Wk#12

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#12	6: CV5-CL-2 Wk#12	7: CV5-CL-3 Wk#12	8: CV5-CL-4 Wk#12	9: CV5-CL-5 Wk#12	10: CV5-CL-6 Wk#12
Sample Date & Time			21-May-25	21-May-25	21-May-25	21-May-25	21-May-25	21-May-25
HumCell Leachate Vol [mL]	22-May-25	16:39	1959	1997	2029	2012	1944	2016
pH [No unit]	26-May-25	09:02	7.84	7.89	7.60	7.88	7.78	7.60
Conductivity [uS/cm]	23-May-25	15:01	42	47	44	80	59	57
Alkalinity [mg/L as CaCO3]	23-May-25	12:59	20	21	13	40	24	27
Acidity [mg/L as CaCO3]	23-May-25	12:59	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	28-May-25	10:24	0.4	2.5	6.7	6.2	4.2	4.8
F [mg/L]	29-May-25	10:55	< 0.06	0.09	< 0.06	0.32	0.13	0.16
NO2 [as N mg/L]	28-May-25	14:08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	28-May-25	14:08	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	28-May-25	14:08	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	28-May-25	10:24	0.3	< 0.2	< 0.2	< 0.2	0.3	0.4
Hg [mg/L]	26-May-25	15:27	< 0.00001	< 0.00001	< 0.00001	---	< 0.00001	< 0.00001
Hg [mg/L]	05-Jun-25	15:33	---	---	---	< 0.00001	---	---
Ag [mg/L]	26-May-25	15:27	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	26-May-25	15:27	0.213	0.195	0.039	0.125	0.095	0.102
As [mg/L]	26-May-25	15:27	0.145	0.671	3.41	1.92	2.03	2.19
Ba [mg/L]	26-May-25	15:27	0.00020	0.00031	0.00087	0.00133	0.00055	0.00064
B [mg/L]	26-May-25	15:27	0.005	0.010	0.012	0.047	0.019	0.023
Be [mg/L]	26-May-25	15:27	0.000021	0.000049	0.000009	0.000050	0.000030	0.000048
Bi [mg/L]	26-May-25	15:27	0.00027	0.00019	0.00002	0.00018	0.00019	0.00024
Ca [mg/L]	26-May-25	15:27	5.27	5.64	6.22	6.45	6.03	6.17
Cd [mg/L]	26-May-25	15:27	0.000004	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	26-May-25	15:27	0.000018	0.000051	0.000685	0.000141	0.000158	0.000154
Cr [mg/L]	26-May-25	15:27	< 0.00008	< 0.00008	0.00009	0.00014	< 0.00008	< 0.00008
Cu [mg/L]	26-May-25	15:27	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	26-May-25	15:27	< 0.007	< 0.007	< 0.007	0.009	< 0.007	< 0.007
K [mg/L]	26-May-25	15:27	1.33	1.40	0.666	6.20	2.15	2.35
Li [mg/L]	26-May-25	15:27	0.0339	0.0651	0.0502	0.352	0.139	0.171
Mg [mg/L]	26-May-25	15:27	0.383	0.759	0.768	1.47	0.866	0.871
Mn [mg/L]	26-May-25	15:27	0.00979	0.00776	0.0102	0.0117	0.0135	0.0116
Mo [mg/L]	26-May-25	15:27	0.0006	0.0009	0.0004	0.0009	0.0008	0.0009
Na [mg/L]	26-May-25	15:27	1.59	1.28	1.15	3.86	3.09	3.80
Ni [mg/L]	26-May-25	15:27	< 0.0001	0.0006	0.0160	0.0023	0.0022	0.0023
Pb [mg/L]	26-May-25	15:27	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	26-May-25	15:27	0.0809	0.146	0.644	0.252	0.300	0.354

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004140778

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10122-MAY25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#12	6: CV5-CL-2 Wk#12	7: CV5-CL-3 Wk#12	8: CV5-CL-4 Wk#12	9: CV5-CL-5 Wk#12	10: CV5-CL-6 Wk#12
Se [mg/L]	26-May-25	15:27	0.00013	0.00014	0.00035	0.00012	0.00013	0.00016
Sn [mg/L]	26-May-25	15:27	0.00269	0.00341	0.00227	0.00402	0.00281	0.00248
Sr [mg/L]	26-May-25	15:27	0.0136	0.0169	0.0304	0.0296	0.0222	0.0221
Ti [mg/L]	26-May-25	15:27	< 0.0001	0.0001	0.0002	0.0004	< 0.0001	0.0001
Tl [mg/L]	26-May-25	15:27	0.000072	0.000078	0.000083	0.000234	0.000115	0.000124
U [mg/L]	26-May-25	15:27	0.229	0.212	0.0362	0.585	0.302	0.305
V [mg/L]	26-May-25	15:27	0.00019	0.00112	0.00398	0.00205	0.00149	0.00162
W [mg/L]	26-May-25	15:18	0.00072	0.00098	0.00110	0.0152	0.00407	0.0130
Y [mg/L]	26-May-25	15:18	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	26-May-25	15:18	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	26-May-25	15:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	0.00001
Cs [mg/L]	26-May-25	15:18	0.0135	0.0599	0.193	0.229	0.104	0.107
Dy [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	28-May-25	12:13	0.0010	0.0010	< 0.0001	0.0025	0.0007	0.0006
Gd (tot) [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	26-May-25	15:18	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Hf [mg/L]	26-May-25	15:18	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	28-May-25	12:13	0.00001	0.00001	< 0.00001	0.00002	0.00001	0.00001
Ir [mg/L]	26-May-25	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	28-May-25	12:13	0.00001	0.00001	0.00005	0.00002	0.00003	0.00004
Lu [mg/L]	28-May-25	12:13	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Nd [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	26-May-25	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	26-May-25	15:17	0.0661	0.0655	0.0357	0.317	0.101	0.110
Re [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	26-May-25	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	28-May-25	12:13	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Ta [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Tb [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	26-May-25	15:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	28-May-25	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004140778

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

02-June-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 22 May 2025
LR Report: **CA10126-MAY25**
Reference: Wk#108

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#108	6: CV5-WR-HCT -5 Wk#108	7: CV5-WR-HCT-5 (DUP) Wk#108	8: CV5-WR-HCT -14 Wk#108	9: CV5-WR-HCT -22 Wk#108
Sample Date & Time			22-May-25	22-May-25	22-May-25	22-May-25	22-May-25
HumCell Leachate Vol [mL]	22-May-25	16:42	1086	1090	1170	1095	1083
pH [No unit]	27-May-25	14:21	6.27	6.51	6.60	6.88	6.89
Alkalinity [mg/L as CaCO3]	27-May-25	14:22	3	7	4	15	4
Conductivity [uS/cm]	28-May-25	10:15	110	49	28	35	15
Acidity [mg/L as CaCO3]	27-May-25	14:25	5	< 2	2	< 2	<2
F [mg/L]	29-May-25	14:17	< 0.06	0.15	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	27-May-25	07:55	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	30-May-25	14:54	49	19	8	3	< 2
Cl [mg/L]	30-May-25	14:54	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	28-May-25	14:16	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	28-May-25	14:16	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	28-May-25	14:16	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	28-May-25	12:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-May-25	12:19	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-May-25	12:19	0.010	0.023	0.013	0.068	0.011
As [mg/L]	28-May-25	12:19	0.0010	0.135	0.0686	0.0213	0.0572
Ba [mg/L]	28-May-25	12:19	0.00068	0.00042	0.00020	0.00012	< 0.00008
Be [mg/L]	28-May-25	12:19	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	28-May-25	12:19	0.004	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	28-May-25	12:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-May-25	12:19	18.4	10.1	4.48	6.87	1.99
Cd [mg/L]	28-May-25	12:19	0.000009	0.000003	< 0.000003	< 0.000003	0.000004
Co [mg/L]	28-May-25	12:19	0.00149	0.000811	0.000911	0.000080	0.000355
Cr [mg/L]	28-May-25	12:19	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	28-May-25	12:19	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	28-May-25	12:19	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	28-May-25	12:19	0.156	0.070	0.041	0.026	0.018
Li [mg/L]	28-May-25	12:19	0.0051	0.0086	0.0053	0.0037	0.0040
Mg [mg/L]	28-May-25	12:19	0.534	0.291	0.161	0.171	0.163

OnLine LMS

0004132874

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10126-MAY25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#108	6: CV5-WR-HCT -5 Wk#108	7: CV5-WR-HCT- 5 (DUP) Wk#108	8: CV5-WR-HCT -14 Wk#108	9: CV5-WR-HCT -22 Wk#108
Mn [mg/L]	28-May-25	12:19	0.00969	0.00767	0.00459	0.0101	0.00111
Mo [mg/L]	28-May-25	12:19	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	28-May-25	12:19	0.17	0.09	0.06	0.13	0.06
Ni [mg/L]	28-May-25	12:19	0.0040	0.0040	0.0033	0.0001	0.0007
Pb [mg/L]	28-May-25	12:19	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-May-25	12:18	0.0016	0.0446	0.0169	0.0026	0.0026
Se [mg/L]	28-May-25	12:18	0.00024	< 0.00004	< 0.00004	0.00005	< 0.00004
Sn [mg/L]	28-May-25	12:18	0.00008	0.00012	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	28-May-25	12:18	0.0192	0.00738	0.00394	0.00404	0.00456
Ti [mg/L]	28-May-25	12:18	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001
Tl [mg/L]	28-May-25	12:18	0.000005	0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	28-May-25	12:18	0.000111	0.000020	0.000043	0.000233	0.000093
V [mg/L]	28-May-25	12:18	0.00007	0.00038	0.00023	0.00192	0.00071
W [mg/L]	28-May-25	12:16	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	28-May-25	12:16	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	28-May-25	12:16	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	28-May-25	12:16	0.00008	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	28-May-25	12:16	0.0094	0.0104	0.0081	0.0016	0.0037
Dy (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	28-May-25	12:16	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	28-May-25	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	28-May-25	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	28-May-25	12:16	0.00009	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	28-May-25	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	28-May-25	12:16	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	28-May-25	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	28-May-25	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	28-May-25	12:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	28-May-25	12:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	28-May-25	12:16	0.0044	0.0034	0.0023	0.0004	0.0011
Re (tot) [mg/L]	28-May-25	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	28-May-25	12:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	28-May-25	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	28-May-25	12:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	28-May-25	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	28-May-25	12:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	28-May-25	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0004132874

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10126-MAY25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#108	6: CV5-WR-HCT -5 Wk#108	7: CV5-WR-HCT-5 (DUP) Wk#108	8: CV5-WR-HCT -14 Wk#108	9: CV5-WR-HCT -22 Wk#108
Th (tot) [mg/L]	28-May-25	12:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	28-May-25	12:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	28-May-25	12:15	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#108	11: CV5-WR-HCT -36 Wk#108	12: CV5-WR-HCT -39 Wk#108	13: CV5-WR-HCT -50 Wk#108	14: CV5-WR-HCT -56 Wk#108	15: CV5-WR-HCT -59 Wk#108	16: CV5-WR-HCT -62 Wk#108
Sample Date & Time	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25	22-May-25
HumCell Leachate Vol [mL]	1118	1054	1079	1024	1042	1019	1262
pH [No unit]	7.07	6.64	6.11	5.57	6.85	5.62	6.78
Alkalinity [mg/L as CaCO3]	14	12	< 2	< 2	9	< 2	13
Conductivity [uS/cm]	23	23	75	186	71	37	37
Acidity [mg/L as CaCO3]	< 2	< 2	4	19	< 2	17	< 2
F [mg/L]	< 0.06	< 0.06	0.43	0.69	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.28	< 0.03	< 0.03	< 0.03	< 0.03	0.22
SO4 [mg/L]	< 2	3	33	90	26	12	9
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	3	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.064	0.002	0.008	0.234	0.037	0.002	< 0.001
As [mg/L]	0.0059	1.32	0.0036	0.0029	0.0046	0.0130	1.20
Ba [mg/L]	0.00023	0.00056	0.00050	0.00246	0.00073	0.00037	0.00049
Be [mg/L]	< 0.000007	< 0.000007	0.000014	0.000275	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	0.002	0.003	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	4.58	3.18	10.4	26.1	12.2	4.66	5.31
Cd [mg/L]	0.000004	< 0.000003	0.000088	0.00178	< 0.000003	0.000006	< 0.000003
Co [mg/L]	0.000087	0.000996	0.00258	0.223	0.000214	0.0216	0.00240
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.004	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	4.22	< 0.007	0.050	< 0.007
K [mg/L]	0.039	0.035	0.184	0.335	0.155	0.024	0.019
Li [mg/L]	0.0022	0.0018	0.0102	0.0353	0.0019	0.0023	0.0004
Mg [mg/L]	0.087	0.715	1.26	1.88	0.254	0.659	2.05
Mn [mg/L]	0.0125	0.00236	0.0501	0.525	0.0203	0.0290	0.00791
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.11	0.02	0.17	0.39	0.10	0.04	0.02
Ni [mg/L]	< 0.0001	0.0115	0.0054	0.432	0.0004	0.251	0.0269
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0012	0.257	0.0044	0.0015	< 0.0009	0.0010	0.547
Se [mg/L]	< 0.00004	< 0.00004	0.00017	0.00021	0.00008	0.00019	0.00006

SGS LIMS OnLine

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10126-MAY25**

Analysis	10: CV5-WR-HCT -33 Wk#108	11: CV5-WR-HCT -36 Wk#108	12: CV5-WR-HCT -39 Wk#108	13: CV5-WR-HCT -50 Wk#108	14: CV5-WR-HCT -56 Wk#108	15: CV5-WR-HCT -59 Wk#108	16: CV5-WR-HCT -62 Wk#108
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00009
Sr [mg/L]	0.00307	0.00211	0.0184	0.0220	0.00745	0.0148	0.00246
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000011	0.000058	< 0.000005	0.000014	< 0.000005
U [mg/L]	0.000127	0.000018	0.000062	0.000819	0.000406	0.000006	0.000054
V [mg/L]	0.00065	0.00015	0.00007	< 0.00001	0.00019	< 0.00001	0.00009
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00102	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.010	1.46	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00013	0.00529	< 0.00001	0.00003	< 0.00001
Cs (tot) [mg/L]	0.0028	0.0112	0.0032	0.0981	0.0289	0.0120	0.0031
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00017	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00007	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00032	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	0.00013	0.00421	< 0.00001	0.00003	0.00003
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	0.00003	0.00171	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00049	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0006	0.0019	0.0030	0.0215	0.0010	0.0025	0.0013
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00027	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0004132874

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10126-MAY25**

Analysis	17: CV5-WR-HCT -64 Wk#108	18: CV5-WR-HCT -69 Wk#108	19: CV5-ORE-HC T-74 Wk#108	20: CV5-ORE-HC T-76 Wk#108
Sample Date & Time	22-May-25	22-May-25	22-May-25	22-May-25
HumCell Leachate Vol [mL]	1097	1163	1054	1081
pH [No unit]	6.69	6.87	7.14	6.69
Alkalinity [mg/L as CaCO3]	3	7	3	12
Conductivity [uS/cm]	4	15	<2	18
Acidity [mg/L as CaCO3]	3	< 2	<2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.014	0.055	0.021	0.026
As [mg/L]	0.0075	0.0030	0.0103	0.0026
Ba [mg/L]	< 0.00008	0.00011	< 0.00008	0.00014
Be [mg/L]	0.000021	0.000093	0.000008	0.000046
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00018	< 0.00001	0.00006
Ca [mg/L]	1.01	2.71	0.51	3.42
Cd [mg/L]	0.000028	< 0.000003	0.000005	< 0.000003
Co [mg/L]	0.000463	0.000017	0.000026	0.000014
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.052	< 0.007	< 0.007	< 0.007
K [mg/L]	0.109	0.054	0.097	0.161
Li [mg/L]	0.0010	0.0009	0.0090	0.0065
Mg [mg/L]	0.040	0.019	0.011	0.057
Mn [mg/L]	0.0156	0.00376	0.0808	0.00144
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.12	0.10	0.09
Ni [mg/L]	0.0014	< 0.0001	0.0003	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0013	0.0020	0.0118	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	0.00007	0.00008	< 0.00006
Sr [mg/L]	0.00120	0.00336	0.00108	0.00486
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000034	0.000006	0.000048	0.000013
U [mg/L]	0.000096	0.00394	0.000123	0.00105
V [mg/L]	< 0.00001	0.00004	< 0.00001	0.00004
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	0.00017	< 0.00002	< 0.00002	< 0.00002

SMN 1 INTNO

00041132874

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10126-MAY25**

Analysis	17: CV5-WR-HCT -64 Wk#108	18: CV5-WR-HCT -69 Wk#108	19: CV5-ORE-HC T-74 Wk#108	20: CV5-ORE-HC T-76 Wk#108
Zn [mg/L]	0.006	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0064	0.0021	0.0191	0.0045
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0131	0.0038	0.0173	0.0064
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

SMS LIMS OnLine

0004132874

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

29-January-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 23 January 2025
LR Report: **CA10137-JAN25**
Reference: Wk#91

Copy: #1

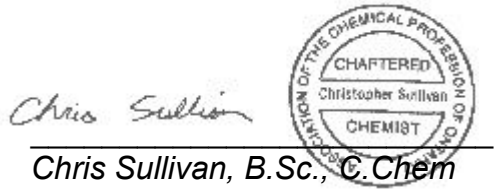
CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#91	6: CV5-WR-HCT-5 Wk#91	7: CV5-WR-HCT-5 (DUP) Wk#91	8: CV5-WR-HCT-1 4 Wk#91	9: CV5-WR-HCT-2 2 Wk#91
Sample Date & Time			23-Jan-25	23-Jan-25	23-Jan-25	23-Jan-25	23-Jan-25
HumCell Leachate Vol [mL]	23-Jan-25	15:57	1005	1016	982	1013	1039
pH [No unit]	27-Jan-25	13:06	6.27	6.86	6.64	6.80	6.69
Conductivity [uS/cm]	24-Jan-25	10:58	41	24	16	28	9

Analysis	10: CV5-WR-HCT-3 3 Wk#91	11: CV5-WR-HCT-3 6 Wk#91	12: CV5-WR-HCT-3 9 Wk#91	13: CV5-WR-HCT-5 0 Wk#91	14: CV5-WR-HCT-5 6 Wk#91	15: CV5-WR-HCT-5 9 Wk#91	16: CV5-WR-HCT-6 2 Wk#91
Sample Date & Time	23-Jan-25	23-Jan-25	23-Jan-25	23-Jan-25	23-Jan-25	23-Jan-25	23-Jan-25
HumCell Leachate Vol [mL]	1032	1049	1029	1013	1034	1030	1032
pH [No unit]	7.16	7.18	6.45	6.55	7.07	6.54	6.98
Conductivity [uS/cm]	20	33	27	59	35	16	22

Analysis	17: CV5-WR-HCT-6 4 Wk#91	18: CV5-WR-HCT-6 9 Wk#91	19: CV5-ORE-HCT-7 4 Wk#91	20: CV5-ORE-HCT-7 6 Wk#91
Sample Date & Time	23-Jan-25	23-Jan-25	23-Jan-25	23-Jan-25
HumCell Leachate Vol [mL]	1026	1025	1049	1032
pH [No unit]	6.94	6.74	6.54	6.81
Conductivity [uS/cm]	9	11	3	20



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004001414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

28-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 21 August 2025
LR Report: **CA10141-AUG25**
Reference: Wk#121

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#121	6: CV5-WR-HCT-5 Wk#121	7: CV5-WR-HCT-5 (DUP) Wk#121	8: CV5-WR-HCT-14 Wk#121	9: CV5-WR-HCT-22 Wk#121	10: CV5-WR-HCT-33 Wk#121
Sample Date & Time			21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25
HumCell Leachate Vol [mL]	25-Aug-25	11:12	952	981	978	988	1005	974
pH [No unit]	26-Aug-25	13:57	7.02	6.13	7.49	6.98	7.11	7.01
Conductivity [uS/cm]	25-Aug-25	13:20	34	22	17	21	10	11

Analysis	11: CV5-WR-HCT-36 Wk#121	12: CV5-WR-HCT-39 Wk#121	13: CV5-WR-HCT-50 Wk#121	14: CV5-WR-HCT-56 Wk#121	15: CV5-WR-HCT-59 Wk#121	16: CV5-WR-HCT-62 Wk#121	17: CV5-WR-HCT-64 Wk#121	18: CV5-WR-HCT-69 Wk#121
Sample Date & Time	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25	21-Aug-25
HumCell Leachate Vol [mL]	1021	965	1020	1010	1021	953	1011	998
pH [No unit]	7.13	5.77	4.78	6.66	6.10	6.32	6.97	6.57
Conductivity [uS/cm]	19	22	107	34	14	19	4	10

Analysis	19: CV5-ORE-HCT-74 Wk#121	20: CV5-ORE-HCT-76 Wk#121
Sample Date & Time	21-Aug-25	21-Aug-25
HumCell Leachate Vol [mL]	1017	1025
pH [No unit]	6.93	6.30
Conductivity [uS/cm]	3	17



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNMS

0004237623

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

08-May-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 23 April 2025
LR Report: **CA10152-APR25**
Reference: Columns - Wk#8

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#8	6: CV5-CL-2 Wk#8	7: CV5-CL-3 Wk#8	8: CV5-CL-4 Wk#8	9: CV5-CL-5 Wk#8	10: CV5-CL-6 Wk#8
Sample Date & Time			23-Apr-25	23-Apr-25	23-Apr-25	23-Apr-25	23-Apr-25	23-Apr-25
HumCell Leachate Vol [mL]	25-Apr-25	15:34	2022	2023	2007	2003	2011	2012
pH [No unit]	29-Apr-25	10:16	7.99	7.97	7.66	8.14	7.91	8.05
Conductivity [uS/cm]	29-Apr-25	10:16	45	52	48	111	76	77
Alkalinity [mg/L as CaCO3]	29-Apr-25	10:16	25	24	15	48	32	32
Acidity [mg/L as CaCO3]	25-Apr-25	13:00	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	08-May-25	08:36	0.4	2.7	5.9	7.1	5.2	6.3
F [mg/L]	25-Apr-25	13:08	< 0.06	0.16	0.14	0.62	0.30	0.31
NO2 [as N mg/L]	25-Apr-25	14:43	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	25-Apr-25	14:43	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	25-Apr-25	14:43	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	08-May-25	08:36	0.5	< 0.2	0.5	< 0.2	1.3	2.0
Hg [mg/L]	25-Apr-25	17:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-Apr-25	14:59	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Apr-25	14:59	0.192	0.176	0.040	0.100	0.100	0.099
As [mg/L]	28-Apr-25	14:59	0.219	0.802	3.54	2.95	2.79	2.83
Ba [mg/L]	28-Apr-25	14:59	0.00024	0.00035	0.00084	0.00161	0.00068	0.00072
B [mg/L]	28-Apr-25	14:59	0.007	0.014	0.017	0.091	0.034	0.039
Be [mg/L]	28-Apr-25	14:59	0.000033	0.000031	0.000013	0.000050	0.000040	0.000040
Bi [mg/L]	28-Apr-25	14:59	0.00050	0.00022	0.00002	0.00021	0.00023	0.00025
Ca [mg/L]	28-Apr-25	14:59	5.01	5.50	5.82	6.56	6.32	6.18
Cd [mg/L]	28-Apr-25	14:59	0.000007	< 0.000003	0.000007	0.000004	0.000003	0.000007
Co [mg/L]	28-Apr-25	14:59	0.000018	0.000066	0.000529	0.000162	0.000182	0.000197
Cr [mg/L]	28-Apr-25	14:59	< 0.00008	0.00009	0.00014	0.00010	0.00012	0.00010
Cu [mg/L]	28-Apr-25	14:59	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	28-Apr-25	14:59	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K [mg/L]	28-Apr-25	14:59	1.87	1.93	0.957	9.89	3.10	3.21
Li [mg/L]	28-Apr-25	14:59	0.0612	0.112	0.0802	0.593	0.271	0.316
Mg [mg/L]	28-Apr-25	14:59	0.454	0.837	0.739	1.46	0.949	0.939
Mn [mg/L]	28-Apr-25	14:59	0.00741	0.00680	0.00871	0.00939	0.0123	0.0110
Mo [mg/L]	28-Apr-25	14:59	0.0006	0.0010	0.0006	0.0014	0.0016	0.0016
Na [mg/L]	28-Apr-25	14:59	3.04	2.40	2.57	7.55	6.21	7.52
Ni [mg/L]	28-Apr-25	14:59	< 0.0001	0.0008	0.0135	0.0040	0.0029	0.0033
Pb [mg/L]	28-Apr-25	15:00	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-Apr-25	15:00	0.128	0.223	0.766	0.548	0.549	0.600
Se [mg/L]	28-Apr-25	15:00	0.00014	0.00013	0.00037	0.00015	0.00013	0.00014

OnLine LIMS

0004105064

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10152-APR25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#8	6: CV5-CL-2 Wk#8	7: CV5-CL-3 Wk#8	8: CV5-CL-4 Wk#8	9: CV5-CL-5 Wk#8	10: CV5-CL-6 Wk#8
Sn [mg/L]	28-Apr-25	15:00	0.00452	0.00441	0.00312	0.00727	0.00501	0.00424
Sr [mg/L]	28-Apr-25	15:00	0.0140	0.0174	0.0284	0.0294	0.0240	0.0233
Ti [mg/L]	28-Apr-25	15:00	< 0.0001	0.00014	0.00016	0.00044	0.00013	< 0.0001
Tl [mg/L]	28-Apr-25	15:00	0.000102	0.000083	0.000095	0.000316	0.000174	0.000173
U [mg/L]	28-Apr-25	15:00	0.374	0.285	0.0593	0.675	0.415	0.411
V [mg/L]	28-Apr-25	15:00	0.00028	0.00140	0.00497	0.00477	0.00213	0.00213
W [mg/L]	28-Apr-25	15:00	0.00233	0.00113	0.00239	0.0235	0.0129	0.0318
Y [mg/L]	28-Apr-25	15:00	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	28-Apr-25	15:00	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	28-Apr-25	15:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	29-Apr-25	11:51	0.00001	0.00001	< 0.00001	0.00002	0.00002	0.00001
Cs [mg/L]	28-Apr-25	15:00	0.0166	0.0673	0.193	0.269	0.123	0.123
Dy [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	29-Apr-25	11:51	0.0012	0.0011	< 0.0001	0.0020	0.0008	0.0007
Gd (tot) [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Hf [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	29-Apr-25	11:51	0.00003	0.00003	0.00001	0.00003	0.00002	0.00002
Ir [mg/L]	28-Apr-25	15:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	29-Apr-25	11:51	0.00001	0.00002	0.00004	0.00003	0.00003	0.00003
Lu [mg/L]	29-Apr-25	11:51	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	0.0002	0.0001	0.0001
Nd [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	28-Apr-25	15:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	28-Apr-25	15:00	0.0879	0.0818	0.0397	0.372	0.133	0.135
Re [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	28-Apr-25	15:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	29-Apr-25	11:51	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001
Ta [mg/L]	28-Apr-25	15:00	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Tb [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	28-Apr-25	15:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	28-Apr-25	15:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	29-Apr-25	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004105064

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

07-May-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 24 April 2025
LR Report: **CA10153-APR25**
Reference: Wk#104

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#104	6: CV5-WR-HCT -5 Wk#104	7: CV5-WR-HCT-5 (DUP) Wk#104	8: CV5-WR-HCT -14 Wk#104	9: CV5-WR-HCT -22 Wk#104
Sample Date & Time			24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25
HumCell Leachate Vol [mL]	25-Apr-25	15:39	1157	1117	1087	1059	1077
pH [No unit]	28-Apr-25	09:14	6.48	6.69	6.68	7.18	6.83
Alkalinity [mg/L as CaCO3]	29-Apr-25	10:17	3	6	4	13	4
Conductivity [uS/cm]	29-Apr-25	10:18	68	45	27	33	12
Acidity [mg/L as CaCO3]	28-Apr-25	09:15	3	< 2	< 2	< 2	< 2
F [mg/L]	28-Apr-25	11:29	< 0.06	0.11	< 0.06	< 0.06	0.07
Tot.Reactive P [mg/L]	28-Apr-25	09:36	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	05-May-25	12:07	31	17	9	3	< 2
Cl [mg/L]	05-May-25	12:07	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	25-Apr-25	14:43	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	25-Apr-25	14:43	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	25-Apr-25	14:43	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	25-Apr-25	17:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-Apr-25	15:01	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Apr-25	15:01	0.008	0.017	0.012	0.068	0.012
As [mg/L]	28-Apr-25	15:01	0.0014	0.0913	0.0546	0.0174	0.0541
Ba [mg/L]	28-Apr-25	15:01	0.00050	0.00031	0.00019	0.00009	0.00009
Be [mg/L]	28-Apr-25	15:01	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	28-Apr-25	15:01	0.003	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	28-Apr-25	15:01	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-Apr-25	15:01	11.9	7.83	4.61	6.49	2.02
Cd [mg/L]	28-Apr-25	15:01	0.000003	0.000005	< 0.000003	0.000003	< 0.000003
Co [mg/L]	28-Apr-25	15:02	0.000891	0.000632	0.000449	0.000066	0.000111
Cr [mg/L]	28-Apr-25	15:02	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	28-Apr-25	15:02	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	28-Apr-25	15:02	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	28-Apr-25	15:02	0.148	0.082	0.063	0.044	0.039
Li [mg/L]	28-Apr-25	15:02	0.0043	0.0066	0.0049	0.0034	0.0040
Mg [mg/L]	28-Apr-25	15:02	0.358	0.214	0.152	0.165	0.171

OnLine LIMS

0004103362

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10153-APR25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#104	6: CV5-WR-HCT -5 Wk#104	7: CV5-WR-HCT-5 (DUP) Wk#104	8: CV5-WR-HCT -14 Wk#104	9: CV5-WR-HCT -22 Wk#104
Mn [mg/L]	28-Apr-25	15:02	0.00678	0.00505	0.00347	0.00805	0.00044
Mo [mg/L]	28-Apr-25	15:02	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	28-Apr-25	15:02	0.13	0.07	0.06	0.14	0.06
Ni [mg/L]	28-Apr-25	15:02	0.0027	0.0029	0.0017	0.0001	0.0003
Pb [mg/L]	28-Apr-25	15:02	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-Apr-25	15:02	0.0013	0.0340	0.0159	0.0027	0.0033
Se [mg/L]	28-Apr-25	15:02	0.00018	< 0.00004	< 0.00004	0.00004	< 0.00004
Sn [mg/L]	28-Apr-25	15:02	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	28-Apr-25	15:02	0.0121	0.00548	0.00382	0.00357	0.00430
Ti [mg/L]	28-Apr-25	15:03	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Tl [mg/L]	28-Apr-25	15:03	0.000010	0.000007	0.000005	< 0.000005	< 0.000005
U [mg/L]	28-Apr-25	15:03	0.000080	0.000032	0.000027	0.000115	0.000292
V [mg/L]	28-Apr-25	15:03	0.00008	0.00028	0.00022	0.00168	0.00077
W [mg/L]	28-Apr-25	15:03	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	28-Apr-25	15:03	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	29-Apr-25	11:53	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	28-Apr-25	15:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	29-Apr-25	11:52	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	28-Apr-25	15:03	0.0073	0.0082	0.0078	0.0014	0.0037
Dy (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	29-Apr-25	11:52	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	28-Apr-25	15:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	28-Apr-25	15:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	28-Apr-25	15:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	29-Apr-25	11:52	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	29-Apr-25	11:52	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	28-Apr-25	15:03	0.00002	0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	28-Apr-25	15:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	28-Apr-25	15:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	28-Apr-25	15:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	28-Apr-25	15:04	0.0031	0.0025	0.0022	0.0004	0.0011
Re (tot) [mg/L]	28-Apr-25	15:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	28-Apr-25	15:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	29-Apr-25	11:52	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Sm (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	28-Apr-25	15:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	29-Apr-25	11:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	28-Apr-25	15:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0004103362

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10153-APR25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#104	6: CV5-WR-HCT -5 Wk#104	7: CV5-WR-HCT-5 (DUP) Wk#104	8: CV5-WR-HCT -14 Wk#104	9: CV5-WR-HCT -22 Wk#104
Th (tot) [mg/L]	28-Apr-25	15:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	29-Apr-25	11:52	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#104	11: CV5-WR-HCT -36 Wk#104	12: CV5-WR-HCT -39 Wk#104	13: CV5-WR-HCT -50 Wk#104	14: CV5-WR-HCT -56 Wk#104	15: CV5-WR-HCT -59 Wk#104	16: CV5-WR-HCT -62 Wk#104
Sample Date & Time	24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25
HumCell Leachate Vol [mL]	1088	1097	1169	1057	1096	1039	1261
pH [No unit]	7.18	7.02	6.21	5.43	6.86	5.82	6.89
Alkalinity [mg/L as CaCO3]	11	9	< 2	< 2	9	< 2	7
Conductivity [uS/cm]	24	24	44	161	64	32	26
Acidity [mg/L as CaCO3]	< 2	< 2	4	9	< 2	11	< 2
F [mg/L]	< 0.06	< 0.06	0.30	0.65	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.38	< 0.03	< 0.03	< 0.03	< 0.03	0.11
SO4 [mg/L]	< 2	< 2	21	69	24	11	4
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	3	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.090	0.002	0.014	0.156	0.034	0.005	< 0.001
As [mg/L]	0.0066	1.24	0.0053	0.0015	0.0062	0.0171	0.482
Ba [mg/L]	0.00019	0.00055	0.00043	0.00193	0.00065	0.00033	0.00033
Be [mg/L]	< 0.000007	< 0.000007	0.000027	0.000168	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	4.86	3.75	6.31	26.3	11.6	4.21	3.22
Cd [mg/L]	0.000003	< 0.000003	0.000072	0.002100	0.000006	< 0.000003	0.000004
Co [mg/L]	0.000077	0.00112	0.00330	0.267	0.000170	0.0176	0.00129
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.005	< 0.001	0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	1.28	< 0.007	0.054	< 0.007
K [mg/L]	0.065	0.060	0.162	0.336	0.169	0.044	0.028
Li [mg/L]	0.0022	0.0020	0.0082	0.0264	0.0018	0.0022	0.0003
Mg [mg/L]	0.090	0.803	0.711	1.33	0.230	0.582	1.05
Mn [mg/L]	0.0124	0.00295	0.0325	0.517	0.0170	0.0231	0.00521
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.12	0.02	0.12	0.34	0.10	0.05	0.01
Ni [mg/L]	< 0.0001	0.0142	0.0061	0.353	0.0003	0.205	0.0137
Pb [mg/L]	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0016	0.316	0.0038	0.0024	< 0.0009	0.0014	0.302
Se [mg/L]	0.00005	< 0.00004	0.00013	0.00016	0.00005	0.00018	< 0.00004

OnLine LMS

0004103362

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10153-APR25**

Analysis	10: CV5-WR-HCT -33 Wk#104	11: CV5-WR-HCT -36 Wk#104	12: CV5-WR-HCT -39 Wk#104	13: CV5-WR-HCT -50 Wk#104	14: CV5-WR-HCT -56 Wk#104	15: CV5-WR-HCT -59 Wk#104	16: CV5-WR-HCT -62 Wk#104
Sn [mg/L]	< 0.00006	0.00008	< 0.00006	< 0.00006	< 0.00006	0.00008	0.00012
Sr [mg/L]	0.00298	0.00219	0.0105	0.0187	0.00647	0.0121	0.00132
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000006	0.000010	0.000070	0.000006	0.000018	0.000005
U [mg/L]	0.000177	0.000175	0.000251	0.000833	0.000660	0.000017	0.000037
V [mg/L]	0.00065	0.00019	0.00007	< 0.00001	0.00018	0.00003	0.00007
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	0.00002	0.00096	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.012	1.25	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	0.00001	< 0.00001	0.00011	0.00411	< 0.00001	0.00004	< 0.00001
Cs (tot) [mg/L]	0.0029	0.0121	0.0025	0.0876	0.0247	0.0108	0.0018
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00014	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00006	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00026	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	0.00008	0.00302	< 0.00001	0.00003	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	0.00004
Nd (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00139	< 0.00001	0.00002	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00040	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0006	0.0018	0.0020	0.0166	0.0009	0.0022	0.0009
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0005	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00021	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0004103362

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10153-APR25**

Analysis	17: CV5-WR-HCT-64 Wk#104	18: CV5-WR-HCT-69 Wk#104	19: CV5-ORE-HCT-74 Wk#104	20: CV5-ORE-HCT-76 Wk#104
Sample Date & Time	24-Apr-25	24-Apr-25	24-Apr-25	24-Apr-25
HumCell Leachate Vol [mL]	1047	1072	1102	1122
pH [No unit]	6.65	6.88	6.54	6.89
Alkalinity [mg/L as CaCO3]	2	6	2	9
Conductivity [uS/cm]	4	14	3	17
Acidity [mg/L as CaCO3]	< 2	< 2	3	< 2
F [mg/L]	0.17	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.009	0.049	0.093	0.029
As [mg/L]	0.0049	0.0027	0.0085	0.0017
Ba [mg/L]	< 0.00008	0.00011	0.00019	< 0.00008
Be [mg/L]	0.000013	0.000068	0.000012	0.000042
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00021	0.00001	0.00007
Ca [mg/L]	0.93	2.61	0.52	3.30
Cd [mg/L]	0.000004	< 0.000003	0.000005	0.000003
Co [mg/L]	0.000010	0.000017	0.000070	0.000101
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.137	0.074	0.165	0.158
Li [mg/L]	0.0010	0.0008	0.0086	0.0057
Mg [mg/L]	0.029	0.016	0.013	0.056
Mn [mg/L]	0.00885	0.00311	0.0783	0.00246
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.04	0.11	0.16	0.10
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00023	< 0.00009
Sb [mg/L]	0.0018	0.0022	0.0134	0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	0.00006	0.00016	0.00016
Sr [mg/L]	0.00097	0.00305	0.00103	0.00432
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000034	0.000006	0.000096	0.000020
U [mg/L]	0.000129	0.00408	0.000210	0.00101
V [mg/L]	0.00001	0.00004	< 0.00001	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LMS

0004103362

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10153-APR25**

Analysis	17: CV5-WR-HCT -64 Wk#104	18: CV5-WR-HCT -69 Wk#104	19: CV5-ORE-HC T-74 Wk#104	20: CV5-ORE-HC T-76 Wk#104
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0063	0.0018	0.0221	0.0044
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	0.00002	0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0124	0.0032	0.0205	0.0061
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	0.0001	0.0004	0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004103362

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

08-April-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 26 March 2025
LR Report: **CA10153-MAR25**
Reference: Columns - Wk#4

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#4	6: CV5-CL-2 Wk#4	7: CV5-CL-3 Wk#4	8: CV5-CL-4 Wk#4	9: CV5-CL-5 Wk#4	10: CV5-CL-6 Wk#4
Sample Date & Time			26-Mar-25	26-Mar-25	26-Mar-25	26-Mar-25	26-Mar-25	26-Mar-25
HumCell Leachate Vol [mL]	27-Mar-25	11:06	1902	1992	1988	1992	2000	1997
pH [No unit]	02-Apr-25	11:54	8.64	8.87	7.95	8.35	8.08	8.22
Conductivity [uS/cm]	02-Apr-25	11:54	66	70	74	194	119	127
Alkalinity [mg/L as CaCO3]	28-Mar-25	11:49	37	34	26	81	41	41
Acidity [mg/L as CaCO3]	02-Apr-25	11:54	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	01-Apr-25	10:06	1.0	5.1	11	16	14	15
F [mg/L]	28-Mar-25	13:21	0.16	0.31	0.19	1.68	0.52	0.51
NO2 [as N mg/L]	02-Apr-25	11:30	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	02-Apr-25	11:30	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	02-Apr-25	11:30	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	02-Apr-25	10:37	3.2	1.2	4.9	1.0	10	12
Hg [mg/L]	02-Apr-25	16:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	02-Apr-25	12:29	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	02-Apr-25	12:29	0.220	0.196	0.049	0.167	0.100	0.104
As [mg/L]	02-Apr-25	12:29	0.529	1.39	5.08	8.59	4.21	4.17
Ba [mg/L]	02-Apr-25	12:29	0.00027	0.00043	0.00098	0.00246	0.00090	0.00096
B [mg/L]	02-Apr-25	12:29	0.018	0.030	0.030	0.246	0.067	0.073
Be [mg/L]	02-Apr-25	12:29	0.000037	0.000053	0.000009	0.000095	0.000022	0.000062
Bi [mg/L]	02-Apr-25	12:29	0.00049	0.00024	0.00002	0.00035	0.00025	0.00024
Ca [mg/L]	02-Apr-25	12:29	4.02	4.66	5.63	4.99	6.06	6.11
Cd [mg/L]	02-Apr-25	12:29	0.000006	0.000004	0.000004	0.000004	0.000007	0.000004
Co [mg/L]	02-Apr-25	12:29	0.000032	0.000079	0.000353	0.000311	0.000238	0.000245
Cr [mg/L]	02-Apr-25	12:29	0.00010	0.00013	0.00024	0.00032	0.00013	0.00015
Cu [mg/L]	02-Apr-25	12:29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	02-Apr-25	12:29	< 0.007	< 0.007	0.010	0.020	< 0.007	< 0.007
K [mg/L]	02-Apr-25	12:29	2.97	2.78	1.33	11.8	4.51	4.42
Li [mg/L]	02-Apr-25	12:29	0.170	0.255	0.185	1.42	0.611	0.675
Mg [mg/L]	02-Apr-25	12:29	0.419	0.856	0.757	1.26	1.06	1.08
Mn [mg/L]	02-Apr-25	12:29	0.00444	0.00508	0.00775	0.00909	0.00986	0.00950
Mo [mg/L]	02-Apr-25	12:29	0.0016	0.0034	0.0014	0.0040	0.0048	0.0045
Na [mg/L]	02-Apr-25	12:29	8.53	5.90	7.73	26.0	14.8	15.5
Ni [mg/L]	02-Apr-25	12:29	0.0003	0.0015	0.0144	0.0127	0.0059	0.0065
Pb [mg/L]	02-Apr-25	12:29	0.00010	0.00014	< 0.00009	0.00015	< 0.00009	< 0.00009
Sb [mg/L]	02-Apr-25	12:29	0.196	0.280	0.742	1.90	0.779	0.778
Se [mg/L]	02-Apr-25	12:29	0.00025	0.00022	0.00053	0.00028	0.00018	0.00020

OnLine LMS

0004070671

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10153-MAR25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#4	6: CV5-CL-2 Wk#4	7: CV5-CL-3 Wk#4	8: CV5-CL-4 Wk#4	9: CV5-CL-5 Wk#4	10: CV5-CL-6 Wk#4
Sn [mg/L]	02-Apr-25	12:29	0.0113	0.0145	0.00812	0.0109	0.00809	0.00716
Sr [mg/L]	02-Apr-25	12:29	0.0131	0.0163	0.0304	0.0264	0.0272	0.0278
Ti [mg/L]	02-Apr-25	12:29	0.00015	0.00029	0.00041	0.00071	0.00016	0.00023
Tl [mg/L]	02-Apr-25	12:29	0.000152	0.000124	0.000108	0.000454	0.000228	0.000228
U [mg/L]	02-Apr-25	12:29	0.842	0.383	0.0861	0.577	0.465	0.447
V [mg/L]	02-Apr-25	12:29	0.00056	0.00234	0.00745	0.0102	0.00284	0.00273
W [mg/L]	02-Apr-25	12:29	0.00437	0.00456	0.00524	0.111	0.0476	0.0769
Y [mg/L]	02-Apr-25	12:29	0.00002	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002
Zn [mg/L]	02-Apr-25	12:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	02-Apr-25	12:29	0.00002	0.00003	0.00002	0.00004	0.00002	0.00002
Cs [mg/L]	02-Apr-25	12:29	0.0202	0.0754	0.202	0.342	0.141	0.141
Dy [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	02-Apr-25	12:29	0.0015	0.0013	< 0.0001	0.0015	0.0007	0.0006
Gd (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001
Ge [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Hf [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Ho [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	02-Apr-25	12:29	0.00004	0.00005	0.00003	0.00003	0.00003	0.00002
Ir [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	02-Apr-25	12:29	0.00002	0.00003	0.00006	0.00011	0.00005	0.00006
Lu [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	02-Apr-25	12:29	0.0001	< 0.0001	< 0.0001	0.0007	0.0002	0.0002
Nd [mg/L]	02-Apr-25	12:29	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001
Os [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	02-Apr-25	12:29	0.133	0.116	0.0478	0.440	0.194	0.198
Re [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	0.0003	0.0001	< 0.0001
Ta [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001
Tb [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Tm [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004070671

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

15-April-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 March 2025
LR Report: **CA10154-MAR25**
Reference: Wk#100

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#100	6: CV5-WR-HCT -5 Wk#100	7: CV5-WR-HCT- 5 (DUP) Wk#100	8: CV5-WR-HCT -14 Wk#100	9: CV5-WR-HCT -22 Wk#100
Sample Date & Time			27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25
HumCell Leachate Vol [mL]	27-Mar-25	13:49	921	926	939	977	952
pH [No unit]	04-Apr-25	11:06	6.42	6.64	6.80	7.11	6.77
Alkalinity [mg/L as CaCO3]	02-Apr-25	11:56	< 2	3	3	8	3
Conductivity [uS/cm]	01-Apr-25	09:42	34	23	15	21	7
Acidity [mg/L as CaCO3]	02-Apr-25	11:57	2	< 2	< 2	< 2	< 2
F [mg/L]	28-Mar-25	13:21	< 0.06	0.07	0.11	< 0.06	< 0.06
Tot.Reactive P [mg/L]	28-Mar-25	08:21	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	01-Apr-25	14:52	14	5	3	< 2	< 2
Cl [mg/L]	01-Apr-25	14:52	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	01-Apr-25	14:11	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	01-Apr-25	14:11	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	01-Apr-25	14:11	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	02-Apr-25	16:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	02-Apr-25	12:29	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	02-Apr-25	12:29	0.010	0.021	0.016	0.066	0.017
As [mg/L]	04-Apr-25	11:52	0.0008	0.0858	0.0615	0.0135	0.0424
Ba [mg/L]	02-Apr-25	12:29	0.00016	0.00012	0.00009	< 0.00008	< 0.00008
Be [mg/L]	02-Apr-25	12:29	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	02-Apr-25	12:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001
Ca [mg/L]	02-Apr-25	12:29	5.28	3.55	2.37	4.10	1.23
Cd [mg/L]	02-Apr-25	12:29	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	02-Apr-25	12:29	0.000316	0.000200	0.000200	0.000049	0.000082
Cr [mg/L]	02-Apr-25	12:29	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	02-Apr-25	12:29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	02-Apr-25	12:29	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	02-Apr-25	12:29	0.096	0.047	0.045	0.021	0.020
Li [mg/L]	03-Apr-25	12:50	0.0028	0.0036	0.0037	0.0019	0.0022
Mg [mg/L]	02-Apr-25	12:29	0.185	0.103	0.096	0.096	0.125

OnLine LIMS

0004079474

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10154-MAR25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#100	6: CV5-WR-HCT -5 Wk#100	7: CV5-WR-HCT-5 (DUP) Wk#100	8: CV5-WR-HCT -14 Wk#100	9: CV5-WR-HCT -22 Wk#100
Mn [mg/L]	02-Apr-25	12:29	0.00247	0.00134	0.00155	0.00432	0.00024
Mo [mg/L]	02-Apr-25	12:29	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	02-Apr-25	12:29	0.08	0.04	0.04	0.07	0.04
Ni [mg/L]	02-Apr-25	12:29	0.0010	0.0011	0.0008	0.0001	0.0003
Pb [mg/L]	08-Apr-25	09:09	< 0.00009	< 0.00009	0.00014	< 0.00009	< 0.00009
Sb [mg/L]	08-Apr-25	09:09	< 0.0009	0.0167	0.0095	0.0013	0.0019
Se [mg/L]	02-Apr-25	12:29	0.00009	< 0.00004	< 0.00004	0.00005	< 0.00004
Sn [mg/L]	02-Apr-25	12:29	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	02-Apr-25	12:29	0.00547	0.00283	0.00233	0.00213	0.00251
Ti [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	0.00017	0.00015
Tl [mg/L]	02-Apr-25	12:29	< 0.000005	0.000006	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	02-Apr-25	12:29	0.000019	0.000036	0.000021	0.000077	0.000053
V [mg/L]	02-Apr-25	12:29	0.00007	0.00026	0.00020	0.00121	0.00056
W [mg/L]	02-Apr-25	12:29	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	02-Apr-25	12:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	02-Apr-25	12:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Cs (tot) [mg/L]	02-Apr-25	12:29	0.0060	0.0059	0.0072	0.0011	0.0028
Dy (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	02-Apr-25	12:29	0.0039	0.0019	0.0019	0.0003	0.0007
Re (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0004079474

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10154-MAR25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#100	6: CV5-WR-HCT -5 Wk#100	7: CV5-WR-HCT-5 (DUP) Wk#100	8: CV5-WR-HCT -14 Wk#100	9: CV5-WR-HCT -22 Wk#100
Th (tot) [mg/L]	02-Apr-25	12:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	02-Apr-25	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#100	11: CV5-WR-HCT -36 Wk#100	12: CV5-WR-HCT -39 Wk#100	13: CV5-WR-HCT -50 Wk#100	14: CV5-WR-HCT -56 Wk#100	15: CV5-WR-HCT -59 Wk#100	16: CV5-WR-HCT -62 Wk#100
Sample Date & Time	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25
HumCell Leachate Vol [mL]	1018	976	937	1023	968	970	917
pH [No unit]	7.16	6.95	5.94	6.20	6.98	5.83	7.15
Alkalinity [mg/L as CaCO3]	6	4	< 2	< 2	5	< 2	6
Conductivity [uS/cm]	16	13	22	51	29	15	16
Acidity [mg/L as CaCO3]	< 2	< 2	3	5	< 2	9	< 2
F [mg/L]	< 0.06	< 0.06	0.29	0.83	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.10	< 0.03	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	8	21	9	4	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.060	0.001	0.005	0.062	0.027	0.002	< 0.001
As [mg/L]	0.0031	0.565	0.0039	0.0006	0.0032	0.0181	0.360
Ba [mg/L]	0.00016	0.00027	0.00019	0.00058	0.00028	0.00015	0.00018
Be [mg/L]	< 0.000007	< 0.000007	0.000009	0.000112	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.96	1.99	2.92	7.03	4.92	1.84	2.17
Cd [mg/L]	0.000003	< 0.000003	0.000017	0.000579	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000054	0.000539	0.000665	0.0503	0.000060	0.00934	0.000370
Cr [mg/L]	< 0.00008	0.00013	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.716	< 0.007	0.026	< 0.007
K [mg/L]	0.031	0.027	0.105	0.135	0.078	0.016	0.022
Li [mg/L]	0.0012	0.0010	0.0056	0.0116	0.0009	0.0009	0.0002
Mg [mg/L]	0.051	0.456	0.307	0.286	0.094	0.234	0.694
Mn [mg/L]	0.00990	0.00142	0.00826	0.0713	0.00655	0.0100	0.00141
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.06	0.01	0.08	0.12	0.05	0.02	0.01
Ni [mg/L]	< 0.0001	0.0057	0.0015	0.0867	0.0001	0.113	0.0042
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.145	0.0029	0.0041	< 0.0009	< 0.0009	0.219
Se [mg/L]	< 0.00004	< 0.00004	0.00006	0.00023	< 0.00004	0.00008	< 0.00004

OnLine LMS

0004079474

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10154-MAR25**

Analysis	10: CV5-WR-HCT -33 Wk#100	11: CV5-WR-HCT -36 Wk#100	12: CV5-WR-HCT -39 Wk#100	13: CV5-WR-HCT -50 Wk#100	14: CV5-WR-HCT -56 Wk#100	15: CV5-WR-HCT -59 Wk#100	16: CV5-WR-HCT -62 Wk#100
Sn [mg/L]	0.00009	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006	0.00007
Sr [mg/L]	0.00196	0.00115	0.00484	0.00419	0.00256	0.00541	0.00083
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	< 0.000005	0.000008	0.000045	< 0.000005	0.000011	< 0.000005
U [mg/L]	0.000041	0.000032	0.000040	0.000260	0.000129	< 0.000002	0.000018
V [mg/L]	0.00043	0.00011	0.00010	< 0.00001	0.00012	0.00003	0.00008
W [mg/L]	< 0.0002	0.00023	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00010	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.003	0.332	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00038	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0020	0.0078	0.0018	0.0489	0.0135	0.0070	0.0022
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	0.00002	0.00031	< 0.00001	< 0.00001	0.00002
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00003	< 0.00001	0.00007	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00011	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0010	0.0013	0.0080	0.0005	0.0011	0.0009
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LNTS

0004079474

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10154-MAR25**

Analysis	17: CV5-WR-HCT-64 Wk#100	18: CV5-WR-HCT-69 Wk#100	19: CV5-ORE-HCT-74 Wk#100	20: CV5-ORE-HCT-76 Wk#100
Sample Date & Time	27-Mar-25	27-Mar-25	27-Mar-25	27-Mar-25
HumCell Leachate Vol [mL]	1013	972	953	990
pH [No unit]	6.69	7.02	6.23	7.14
Alkalinity [mg/L as CaCO3]	3	3	< 2	6
Conductivity [uS/cm]	3	8	< 2	13
Acidity [mg/L as CaCO3]	2	< 2	2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.010	0.061	0.026	0.043
As [mg/L]	0.0025	0.0016	0.0034	0.0011
Ba [mg/L]	< 0.00008	0.00010	0.00021	< 0.00008
Be [mg/L]	0.000010	0.000101	< 0.000007	0.000033
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00020	< 0.00001	0.00010
Ca [mg/L]	0.67	1.72	0.20	2.58
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	< 0.000004	0.000009	0.000005	0.000009
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.114	0.049	0.053	0.124
Li [mg/L]	0.0008	0.0006	0.0039	0.0041
Mg [mg/L]	0.020	0.011	0.005	0.048
Mn [mg/L]	0.00547	0.00183	0.0298	0.00082
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.08	0.06	0.06
Ni [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0030	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00074	0.00205	0.00152	0.00352
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000034	0.000006	0.000034	0.000014
U [mg/L]	0.000047	0.00136	0.000220	0.000575
V [mg/L]	0.00002	0.00003	0.00002	0.00004
W [mg/L]	< 0.0002	< 0.0002	0.00082	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

00040794 74

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10154-MAR25**

Analysis	17: CV5-WR-HCT-64 Wk#100	18: CV5-WR-HCT-69 Wk#100	19: CV5-ORE-HCT-74 Wk#100	20: CV5-ORE-HCT-76 Wk#100
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0055	0.0015	0.0089	0.0043
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00003	0.00003	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0110	0.0026	0.0072	0.0055
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNT SMS

0004079474

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-July-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 26 June 2025
LR Report: **CA10163-JUN25**
Reference: Wk#113

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#113	6: CV5-WR-HCT-5 Wk#113	7: CV5-WR-HCT-5 (DUP) Wk#113	8: CV5-WR-HCT-14 Wk#113	9: CV5-WR-HCT-22 Wk#113	10: CV5-WR-HCT-33 Wk#113
Sample Date & Time			26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25
HumCell Leachate Vol [mL]	30-Jun-25	11:08	952	966	943	962	991	954
pH [No unit]	30-Jun-25	07:26	6.34	7.20	6.59	7.43	6.89	7.23
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	27-Jun-25	13:23	34	19	12	21	8	10

Analysis	11: CV5-WR-HCT-36 Wk#113	12: CV5-WR-HCT-39 Wk#113	13: CV5-WR-HCT-50 Wk#113	14: CV5-WR-HCT-56 Wk#113	15: CV5-WR-HCT-59 Wk#113	16: CV5-WR-HCT-62 Wk#113	17: CV5-WR-HCT-64 Wk#113	18: CV5-WR-HCT-69 Wk#113
Sample Date & Time	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25	26-Jun-25
HumCell Leachate Vol [mL]	1005	952	1024	998	984	934	1004	1010
pH [No unit]	7.20	6.50	4.89	7.21	6.01	7.01	6.89	7.13
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	14	23	75	37	17	17	2	11

Analysis	19: CV5-ORE-HCT-74 Wk#113	20: CV5-ORE-HCT-76 Wk#113
Sample Date & Time	26-Jun-25	26-Jun-25
HumCell Leachate Vol [mL]	1034	1014
pH [No unit]	6.77	7.30
Alkalinity [mg/L as CaCO3]	***	***
Conductivity [uS/cm]	2	14



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNMS

0004176870

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

14-March-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 February 2025
LR Report: **CA10165-FEB25**
Reference: Wk#96

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#96	6: CV5-WR-HCT -5 Wk#96	7: CV5-WR-HCT- 5 (DUP) Wk#96	8: CV5-WR-HCT -14 Wk#96	9: CV5-WR-HCT -22 Wk#96
Sample Date & Time			27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25
HumCell Leachate Vol [mL]	27-Feb-25	14:02	970	977	1011	1012	1014
pH [No unit]	03-Mar-25	12:59	6.39	6.78	6.63	7.33	6.88
Alkalinity [mg/L as CaCO3]	03-Mar-25	12:19	< 2	3	< 2	11	3
Conductivity [uS/cm]	03-Mar-25	10:56	36	20	16	25	6
Acidity [mg/L as CaCO3]	03-Mar-25	10:56	3	< 2	2	< 2	< 2
F [mg/L]	28-Feb-25	14:25	< 0.06	0.12	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	05-Mar-25	07:57	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	28-Feb-25	19:13	14	5	4	< 2	< 2
Cl [mg/L]	28-Feb-25	19:13	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	28-Feb-25	10:09	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	28-Feb-25	10:09	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	28-Feb-25	10:09	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	03-Mar-25	09:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	03-Mar-25	09:19	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	03-Mar-25	09:19	0.009	0.019	0.012	0.079	0.019
As [mg/L]	03-Mar-25	09:19	0.0009	0.0903	0.0555	0.0161	0.0502
Ba [mg/L]	03-Mar-25	09:19	0.00021	0.00096	0.00009	< 0.00008	< 0.00008
Be [mg/L]	03-Mar-25	09:19	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	03-Mar-25	09:19	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	03-Mar-25	09:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	03-Mar-25	09:19	5.33	3.31	2.47	4.62	1.16
Cd [mg/L]	03-Mar-25	09:19	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	03-Mar-25	09:19	0.000560	0.000271	0.000363	0.000047	0.000108
Cr [mg/L]	03-Mar-25	09:19	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	03-Mar-25	09:19	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	03-Mar-25	09:19	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	03-Mar-25	09:19	0.097	0.042	0.044	0.024	0.022
Li [mg/L]	03-Mar-25	09:19	0.0035	0.0038	0.0039	0.0026	0.0029
Mg [mg/L]	03-Mar-25	09:19	0.184	0.095	0.095	0.110	0.125

OnLine LIMS

0004046306

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10165-FEB25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#96	6: CV5-WR-HCT -5 Wk#96	7: CV5-WR-HCT-5 (DUP) Wk#96	8: CV5-WR-HCT -14 Wk#96	9: CV5-WR-HCT -22 Wk#96
Mn [mg/L]	03-Mar-25	09:19	0.00402	0.00167	0.00235	0.00512	0.00034
Mo [mg/L]	03-Mar-25	09:19	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	03-Mar-25	09:19	0.08	0.04	0.04	0.09	0.05
Ni [mg/L]	03-Mar-25	09:19	0.0016	0.0013	0.0013	< 0.0001	0.0003
Pb [mg/L]	03-Mar-25	09:19	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	03-Mar-25	09:19	< 0.0009	0.0180	0.0090	0.0015	0.0020
Se [mg/L]	03-Mar-25	09:19	0.00010	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	03-Mar-25	09:19	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	03-Mar-25	09:19	0.00615	0.00457	0.00270	0.00266	0.00271
Ti [mg/L]	03-Mar-25	09:19	< 0.0001	< 0.0001	< 0.0001	0.00012	0.00017
Tl [mg/L]	03-Mar-25	09:19	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	03-Mar-25	09:19	0.000032	0.000012	0.000005	0.000024	0.000065
V [mg/L]	03-Mar-25	09:19	0.00007	0.00025	0.00018	0.00140	0.00061
W [mg/L]	03-Mar-25	09:19	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	03-Mar-25	09:19	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	03-Mar-25	09:19	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	03-Mar-25	09:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	05-Mar-25	10:43	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	03-Mar-25	09:19	0.0052	0.0053	0.0062	0.0013	0.0027
Dy (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	03-Mar-25	09:19	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	03-Mar-25	09:19	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	03-Mar-25	09:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	05-Mar-25	10:43	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	05-Mar-25	10:43	0.0024	0.0017	0.0018	0.0004	0.0008
Re (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LMS

0004046306

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10165-FEB25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT -2 Wk#96	6: CV5-WR-HCT -5 Wk#96	7: CV5-WR-HCT-5 (DUP) Wk#96	8: CV5-WR-HCT -14 Wk#96	9: CV5-WR-HCT -22 Wk#96
Th (tot) [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT -33 Wk#96	11: CV5-WR-HCT -36 Wk#96	12: CV5-WR-HCT -39 Wk#96	13: CV5-WR-HCT -50 Wk#96	14: CV5-WR-HCT -56 Wk#96	15: CV5-WR-HCT -59 Wk#96	16: CV5-WR-HCT -62 Wk#96
Sample Date & Time	27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25
HumCell Leachate Vol [mL]	972	1012	1006	1021	1003	1012	997
pH [No unit]	7.24	7.17	6.04	6.19	6.88	6.11	7.04
Alkalinity [mg/L as CaCO3]	5	8	< 2	3	6	< 2	5
Conductivity [uS/cm]	11	20	17	53	30	16	18
Acidity [mg/L as CaCO3]	< 2	< 2	4	7	< 2	8	< 2
F [mg/L]	< 0.06	0.08	0.18	0.66	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.26	< 0.03	< 0.03	< 0.03	< 0.03	0.06
SO4 [mg/L]	< 2	< 2	5	19	7	4	2
Cl [mg/L]	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.058	0.002	0.006	0.055	0.029	0.002	< 0.001
As [mg/L]	0.0030	1.07	0.0048	0.0008	0.0039	0.0200	0.416
Ba [mg/L]	0.00017	0.00046	0.00017	0.00060	0.00032	0.00016	0.00023
Be [mg/L]	< 0.000007	< 0.000007	0.000007	0.000119	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.07	3.16	2.24	7.16	4.91	1.89	2.31
Cd [mg/L]	< 0.000003	< 0.000003	0.000018	0.000589	< 0.000003	0.000004	< 0.000003
Co [mg/L]	0.000051	0.000700	0.000498	0.0509	0.000064	0.00888	0.000499
Cr [mg/L]	< 0.00008	0.00011	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.724	< 0.007	0.020	< 0.007
K [mg/L]	0.027	0.041	0.081	0.323	0.075	0.018	0.019
Li [mg/L]	0.0013	0.0015	0.0047	0.0126	0.0011	0.0011	0.0002
Mg [mg/L]	0.043	0.669	0.193	0.277	0.094	0.252	0.723
Mn [mg/L]	0.00612	0.00205	0.00593	0.0642	0.00579	0.0106	0.00200
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	0.02	0.06	0.12	0.05	0.02	0.01
Ni [mg/L]	< 0.0001	0.0083	0.0010	0.0836	0.0002	0.115	0.0057
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00012	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.253	0.0029	0.0044	< 0.0009	< 0.0009	0.241
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	0.00031	< 0.00004	0.00006	< 0.00004

OnLine LMS

0004046306

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10165-FEB25**

Analysis	10: CV5-WR-HCT -33 Wk#96	11: CV5-WR-HCT -36 Wk#96	12: CV5-WR-HCT -39 Wk#96	13: CV5-WR-HCT -50 Wk#96	14: CV5-WR-HCT -56 Wk#96	15: CV5-WR-HCT -59 Wk#96	16: CV5-WR-HCT -62 Wk#96
Sn [mg/L]	< 0.00006	0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00009
Sr [mg/L]	0.00150	0.00193	0.00385	0.00434	0.00275	0.00611	0.00096
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000007	0.000005	0.000043	< 0.000005	0.000008	< 0.000005
U [mg/L]	0.000007	0.000031	0.000041	0.000357	0.000160	0.000003	0.000026
V [mg/L]	0.00035	0.00018	0.00009	< 0.00001	0.00013	0.00002	0.00008
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00011	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.003	0.333	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00039	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0016	0.0117	0.0014	0.0465	0.0133	0.0065	0.0017
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00001	0.00001	0.00031	< 0.00001	< 0.00001	0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00011	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0019	0.0012	0.0082	0.0005	0.0013	0.0008
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LMS

0004046306

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10165-FEB25**

Analysis	17: CV5-WR-HCT-64 Wk#96	18: CV5-WR-HCT-69 Wk#96	19: CV5-ORE-HCT-74 Wk#96	20: CV5-ORE-HCT-76 Wk#96
Sample Date & Time	27-Feb-25	27-Feb-25	27-Feb-25	27-Feb-25
HumCell Leachate Vol [mL]	1002	1003	1000	994
pH [No unit]	6.77	7.08	6.32	7.09
Alkalinity [mg/L as CaCO3]	3	5	< 2	7
Conductivity [uS/cm]	3	10	< 2	14
Acidity [mg/L as CaCO3]	2	< 2	4	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.012	0.057	0.026	0.039
As [mg/L]	0.0027	0.0018	0.0034	0.0011
Ba [mg/L]	< 0.00008	0.00018	< 0.00008	< 0.00008
Be [mg/L]	0.000011	0.000076	0.000008	0.000044
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00019	< 0.00001	0.00009
Ca [mg/L]	0.62	2.00	0.25	2.67
Cd [mg/L]	< 0.000003	< 0.000003	0.000004	0.000004
Co [mg/L]	0.000019	0.000016	0.000007	0.000017
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.098	0.051	0.056	0.130
Li [mg/L]	0.0007	0.0007	0.0041	0.0049
Mg [mg/L]	0.017	0.014	0.006	0.052
Mn [mg/L]	0.00598	0.00247	0.0386	0.00110
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.09	0.06	0.06
Ni [mg/L]	0.0003	0.0002	< 0.0001	0.0006
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0009	0.0035	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	< 0.00006
Sr [mg/L]	0.00072	0.00267	0.00073	0.00403
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000030	< 0.000005	0.000032	0.000014
U [mg/L]	0.000080	0.00176	0.000140	0.000664
V [mg/L]	0.00001	0.00003	< 0.00001	0.00002
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002

OnLine LIMS

0004046306

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10165-FEB25**

Analysis	17: CV5-WR-HCT-64 Wk#96	18: CV5-WR-HCT-69 Wk#96	19: CV5-ORE-HCT-74 Wk#96	20: CV5-ORE-HCT-76 Wk#96
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0047	0.0015	0.0089	0.0038
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Nd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0103	0.0030	0.0084	0.0058
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004046306

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 24 July 2025
LR Report: **CA10169-JUL25**
Reference: Wk#117

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#117	6: CV5-WR-HCT-5 Wk#117	7: CV5-WR-HCT-5 (DUP) Wk#117	8: CV5-WR-HCT-14 Wk#117	9: CV5-WR-HCT-22 Wk#117	10: CV5-WR-HCT-33 Wk#117
Sample Date & Time			24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25
HumCell Leachate Vol [mL]	24-Jul-25	13:32	949	970	968	1012	1012	932
pH [No unit]	28-Jul-25	15:07	6.45	6.40	6.62	6.51	6.20	6.75
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	25-Jul-25	13:16	37	21	12	26	9	10

Analysis	11: CV5-WR-HCT-36 Wk#117	12: CV5-WR-HCT-39 Wk#117	13: CV5-WR-HCT-50 Wk#117	14: CV5-WR-HCT-56 Wk#117	15: CV5-WR-HCT-59 Wk#117	16: CV5-WR-HCT-62 Wk#117	17: CV5-WR-HCT-64 Wk#117	18: CV5-WR-HCT-69 Wk#117
Sample Date & Time	24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25	24-Jul-25
HumCell Leachate Vol [mL]	976	920	971	1013	965	956	1024	1034
pH [No unit]	6.58	6.28	4.67	6.92	5.78	6.52	6.83	6.93
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	16	26	128	33	20	22	3	9

Analysis	19: CV5-ORE-HCT-74 Wk#117	20: CV5-ORE-HCT-76 Wk#117
Sample Date & Time	24-Jul-25	24-Jul-25
HumCell Leachate Vol [mL]	968	949
pH [No unit]	6.92	6.59
Alkalinity [mg/L as CaCO3]	***	***
Conductivity [uS/cm]	2	12



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LNMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-June-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 29 May 2025
LR Report: **CA10173-MAY25**
Reference: Wk#109

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#109	6: CV5-WR-HCT-5 Wk#109	7: CV5-WR-HCT-5 (DUP) Wk#109	8: CV5-WR-HCT-14 Wk#109	9: CV5-WR-HCT-22 Wk#109	10: CV5-WR-HCT-33 Wk#109
Sample Date & Time			29-May-25	29-May-25	29-May-25	29-May-25	29-May-25	29-May-25
HumCell Leachate Vol [mL]	30-May-25	10:50	947	971	976	981	985	985
pH [No unit]	31-May-25	13:39	6.55	6.79	6.80	6.77	6.60	6.71
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	30-May-25	11:37	66	29	20	25	11	19

Analysis	11: CV5-WR-HCT-36 Wk#109	12: CV5-WR-HCT-39 Wk#109	13: CV5-WR-HCT-50 Wk#109	14: CV5-WR-HCT-56 Wk#109	15: CV5-WR-HCT-59 Wk#109	16: CV5-WR-HCT-62 Wk#109	17: CV5-WR-HCT-64 Wk#109	18: CV5-WR-HCT-69 Wk#109
Sample Date & Time	29-May-25	29-May-25	29-May-25	29-May-25	29-May-25	29-May-25	29-May-25	29-May-25
HumCell Leachate Vol [mL]	1001	950	1035	1020	998	919	1022	1038
pH [No unit]	6.91	6.40	5.74	6.80	5.86	6.88	6.91	6.86
Alkalinity [mg/L as CaCO3]	***	***	***	***	***	***	***	***
Conductivity [uS/cm]	20	38	82	50	24	22	5	17

Analysis	19: CV5-ORE-HCT-74 Wk#109	20: CV5-ORE-HCT-76 Wk#109
Sample Date & Time	29-May-25	29-May-25
HumCell Leachate Vol [mL]	990	1003
pH [No unit]	6.49	6.61
Alkalinity [mg/L as CaCO3]	***	***
Conductivity [uS/cm]	3	16



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004140788

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

14-March-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 26 February 2025
LR Report: **CA10181-FEB25**
Reference: Columns - Wk#0

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#0	6: CV5-CL-2 Wk#0	7: CV5-CL-3 Wk#0	8: CV5-CL-4 Wk#0	9: CV5-CL-5 Wk#0	10: CV5-CL-6 Wk#0
Sample Date & Time			26-Feb-25	26-Feb-25	26-Feb-25	26-Feb-25	26-Feb-25	26-Feb-25
HumCell Leachate Vol [mL]	27-Feb-25	14:10	1498	1742	1808	250	1340	1314
pH [No unit]	03-Mar-25	11:25	9.34	9.20	7.27	8.49	8.48	8.63
Conductivity [uS/cm]	03-Mar-25	11:25	508	173	223	3490	401	417
Alkalinity [mg/L as CaCO3]	03-Mar-25	11:25	75	59	21	448	53	58
Acidity [mg/L as CaCO3]	03-Mar-25	11:25	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	12-Mar-25	16:15	13	7.2	9.4	180	12	14
F [mg/L]	05-Mar-25	09:47	0.86	1.13	0.20	13.9	1.48	1.57
NO2 [as N mg/L]	04-Mar-25	15:52	0.03	0.06	0.04	0.89	0.12	0.13
NO3 [as N mg/L]	03-Mar-25	15:21	0.23	0.27	0.37	9.22	0.46	0.50
NO2+NO3 [as N mg/L]	04-Mar-25	15:52	0.26	0.33	0.41	10.1	0.58	0.63
Cl [mg/L]	12-Mar-25	16:15	130	30	71	920	110	110
Hg [mg/L]	04-Mar-25	09:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	06-Mar-25	10:10	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	06-Mar-25	10:10	0.237	0.300	0.075	0.024	0.206	0.169
As [mg/L]	06-Mar-25	10:10	0.496	0.404	0.561	4.47	0.548	0.693
Ba [mg/L]	06-Mar-25	10:10	0.00078	0.00040	0.00298	0.0448	0.00106	0.00111
B [mg/L]	06-Mar-25	10:10	0.032	0.038	0.021	0.785	0.067	0.079
Be [mg/L]	06-Mar-25	10:10	0.000033	0.000036	0.000012	0.000071	0.000033	0.000064
Bi [mg/L]	06-Mar-25	10:10	0.00029	0.00014	0.00002	0.00013	0.00015	0.00012
Ca [mg/L]	06-Mar-25	10:10	8.88	4.66	14.5	119	7.91	8.30
Cd [mg/L]	06-Mar-25	10:10	0.000007	0.000004	0.000007	0.000283	0.000010	0.000008
Co [mg/L]	06-Mar-25	10:10	0.000205	0.000251	0.000136	0.00547	0.000246	0.000242
Cr [mg/L]	06-Mar-25	10:10	0.00015	0.00028	0.00020	0.00181	0.00022	0.00033
Cu [mg/L]	06-Mar-25	10:10	0.004	0.001	0.001	0.028	0.003	0.002
Fe [mg/L]	06-Mar-25	10:10	< 0.007	< 0.007	0.008	0.010	< 0.007	< 0.007
K [mg/L]	06-Mar-25	10:10	13.5	8.10	3.14	73.7	13.5	13.6
Li [mg/L]	06-Mar-25	10:10	0.820	0.897	0.521	35.1	1.84	1.94
Mg [mg/L]	06-Mar-25	10:10	1.10	0.990	1.76	35.3	1.36	1.48
Mn [mg/L]	06-Mar-25	10:10	0.00312	0.00133	0.00826	0.110	0.00345	0.00468

OnLine LMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-FEB25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#0	6: CV5-CL-2 Wk#0	7: CV5-CL-3 Wk#0	8: CV5-CL-4 Wk#0	9: CV5-CL-5 Wk#0	10: CV5-CL-6 Wk#0
Mo [mg/L]	06-Mar-25	10:10	0.0043	0.0046	0.0018	0.184	0.0075	0.0085
Na [mg/L]	06-Mar-25	10:10	76.9	24.3	26.1	467	56.8	60.0
Ni [mg/L]	06-Mar-25	10:10	0.0021	0.0035	0.0059	0.156	0.0060	0.0072
Pb [mg/L]	06-Mar-25	10:10	0.00010	< 0.00009	< 0.00009	0.00016	< 0.00009	< 0.00009
Sb [mg/L]	06-Mar-25	10:10	0.0507	0.0745	0.0845	1.68	0.120	0.179
Se [mg/L]	06-Mar-25	10:10	0.00043	0.00026	0.00031	0.00474	0.00035	0.00036
Sn [mg/L]	06-Mar-25	10:10	0.0393	0.0434	0.0229	0.130	0.0432	0.0357
Sr [mg/L]	06-Mar-25	10:10	0.0363	0.0138	0.0896	0.965	0.0367	0.0380
Ti [mg/L]	06-Mar-25	10:10	0.0001	0.0003	0.0002	0.0008	0.0002	0.0002
Tl [mg/L]	06-Mar-25	10:09	0.000846	0.000331	0.000252	0.00391	0.000683	0.000695
U [mg/L]	06-Mar-25	10:09	0.0560	0.00115	0.0165	0.0996	0.00644	0.00661
V [mg/L]	06-Mar-25	10:09	0.00160	0.00351	0.00315	0.00867	0.00297	0.00338
W [mg/L]	06-Mar-25	10:09	0.00695	0.00608	0.00394	0.944	0.0270	0.0367
Y [mg/L]	06-Mar-25	10:09	< 0.00002	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002
Zn [mg/L]	06-Mar-25	10:09	< 0.002	< 0.002	< 0.002	0.018	< 0.002	< 0.002
Au [mg/L]	06-Mar-25	10:09	< 0.00001	0.00001	0.00001	0.00004	0.00001	< 0.00001
Ce [mg/L]	05-Mar-25	10:44	< 0.00001	0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Cs [mg/L]	05-Mar-25	10:44	0.0563	0.107	0.310	1.44	0.236	0.232
Dy [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	05-Mar-25	10:44	0.0027	0.0028	0.0002	0.0007	0.0020	0.0018
Gd (tot) [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	06-Mar-25	10:09	0.0002	0.0001	< 0.0001	0.0013	0.0001	0.0001
Hf [mg/L]	06-Mar-25	10:09	< 0.0001	< 0.0001	< 0.0001	0.0009	< 0.0001	< 0.0001
Ho [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	05-Mar-25	10:44	0.00014	0.00015	0.00008	0.00042	0.00015	0.00013
Ir [mg/L]	06-Mar-25	10:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	0.00008	< 0.00001	0.00001
Lu [mg/L]	05-Mar-25	10:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	06-Mar-25	10:09	0.0003	0.0003	< 0.0001	0.0042	0.0005	0.0006
Nd [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Os [mg/L]	06-Mar-25	10:09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	06-Mar-25	10:09	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Pr [mg/L]	05-Mar-25	10:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	06-Mar-25	10:09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	06-Mar-25	10:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	05-Mar-25	10:44	0.619	0.387	0.111	3.05	0.606	0.592
Re [mg/L]	06-Mar-25	10:09	< 0.0001	< 0.0001	< 0.0001	0.0005	< 0.0001	< 0.0001
Ru [mg/L]	06-Mar-25	10:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001
Ta [mg/L]	06-Mar-25	10:09	< 0.0001	< 0.0001	< 0.0001	0.0002	0.0004	< 0.0001
Tb [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	06-Mar-25	10:09	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0004046400

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-FEB25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#0	6: CV5-CL-2 Wk#0	7: CV5-CL-3 Wk#0	8: CV5-CL-4 Wk#0	9: CV5-CL-5 Wk#0	10: CV5-CL-6 Wk#0
Th [mg/L]	05-Mar-25	10:43	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	05-Mar-25	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004046400

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

18-February-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 30 January 2025
LR Report: **CA10181-JAN25**
Reference: Wk#92

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#92	6: CV5-WR-HCT-5 Wk#92	7: CV5-WR-HCT-5 (DUP) Wk#92	8: CV5-WR-HCT-14 Wk#92	9: CV5-WR-HCT-22 Wk#92
Sample Date & Time			30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25
HumCell Leachate Vol [mL]	30-Jan-25	13:56	976	988	1004	1018	1019
pH [No unit]	03-Feb-25	11:05	6.49	6.81	6.69	7.17	6.84
Alkalinity [mg/L as CaCO3]	31-Jan-25	12:47	3	5	3	13	4
Conductivity [uS/cm]	03-Feb-25	11:05	39	22	14	25	9
Acidity [mg/L as CaCO3]	31-Jan-25	12:48	< 2	< 2	< 2	< 2	< 2
F [mg/L]	31-Jan-25	13:08	< 0.06	0.07	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	31-Jan-25	09:43	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	31-Jan-25	15:26	16	6	3	< 2	< 2
Cl [mg/L]	31-Jan-25	15:26	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	31-Jan-25	10:18	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	31-Jan-25	10:18	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	31-Jan-25	10:18	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	03-Feb-25	09:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---
Hg [mg/L]	06-Feb-25	08:42	---	---	---	---	< 0.00001
Ag [mg/L]	03-Feb-25	09:46	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	03-Feb-25	09:46	0.013	0.020	0.014	0.075	0.015
As [mg/L]	03-Feb-25	09:46	0.0010	0.0815	0.0659	0.0193	0.0623
Ba [mg/L]	03-Feb-25	09:46	0.00034	0.00018	0.00009	0.00018	< 0.00008
Be [mg/L]	03-Feb-25	09:46	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	03-Feb-25	09:46	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	03-Feb-25	09:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	03-Feb-25	09:46	6.18	3.72	2.35	4.87	1.58
Cd [mg/L]	03-Feb-25	09:46	< 0.000003	< 0.000003	0.000004	< 0.000003	0.000003
Co [mg/L]	03-Feb-25	09:46	0.000352	0.000242	0.000258	0.000052	0.000078
Cr [mg/L]	03-Feb-25	09:46	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	03-Feb-25	09:46	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	03-Feb-25	09:46	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	03-Feb-25	09:46	0.100	0.044	0.040	0.022	0.020
Li [mg/L]	03-Feb-25	09:46	0.0031	0.0041	0.0034	0.0024	0.0029
Mg [mg/L]	03-Feb-25	09:46	0.204	0.115	0.090	0.118	0.146

OnLine LIMS

0004020485

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-JAN25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#92	6: CV5-WR-HCT-5 Wk#92	7: CV5-WR-HCT-5 (DUP) Wk#92	8: CV5-WR-HCT-14 Wk#92	9: CV5-WR-HCT-22 Wk#92
Mn [mg/L]	03-Feb-25	09:46	0.00331	0.00158	0.00135	0.00561	0.00033
Mo [mg/L]	03-Feb-25	09:46	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	03-Feb-25	09:46	0.08	0.04	0.03	0.09	0.05
Ni [mg/L]	03-Feb-25	09:46	0.0012	0.0012	0.0009	0.0002	0.0002
Pb [mg/L]	03-Feb-25	09:46	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	03-Feb-25	09:46	< 0.0009	0.0213	0.0098	0.0017	0.0025
Se [mg/L]	03-Feb-25	09:47	0.00011	< 0.00004	< 0.00004	0.00006	< 0.00004
Sn [mg/L]	03-Feb-25	09:47	0.00008	0.00007	< 0.00006	0.00006	0.00006
Sr [mg/L]	03-Feb-25	09:47	0.00759	0.00320	0.00258	0.00294	0.00380
Ti [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Tl [mg/L]	03-Feb-25	09:47	0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	03-Feb-25	09:47	0.000029	0.000018	0.000005	0.000010	0.000100
V [mg/L]	03-Feb-25	09:47	0.00011	0.00026	0.00021	0.00154	0.00075
W [mg/L]	03-Feb-25	09:47	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	03-Feb-25	09:47	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	03-Feb-25	09:47	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	03-Feb-25	09:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	03-Feb-25	12:03	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	03-Feb-25	09:47	0.0057	0.0059	0.0062	0.0013	0.0033
Dy (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	03-Feb-25	12:03	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Gd (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	03-Feb-25	09:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	03-Feb-25	12:03	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	03-Feb-25	12:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	03-Feb-25	09:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	06-Feb-25	17:14	---	---	---	---	---
Os (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	03-Feb-25	09:47	0.0026	0.0019	0.0018	0.0003	0.0009
Re (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	03-Feb-25	09:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	03-Feb-25	12:03	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	03-Feb-25	09:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0004020485

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-JAN25**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#92	6: CV5-WR-HCT-5 Wk#92	7: CV5-WR-HCT-5 (DUP) Wk#92	8: CV5-WR-HCT-14 Wk#92	9: CV5-WR-HCT-22 Wk#92
Tm (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	03-Feb-25	12:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	10: CV5-WR-HCT-33 Wk#92	11: CV5-WR-HCT-36 Wk#92	12: CV5-WR-HCT-39 Wk#92	13: CV5-WR-HCT-50 Wk#92	14: CV5-WR-HCT-56 Wk#92	15: CV5-WR-HCT-59 Wk#92	16: CV5-WR-HCT-62 Wk#92
Sample Date & Time	30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25
HumCell Leachate Vol [mL]	996	1019	959	1008	1023	1025	968
pH [No unit]	7.05	7.13	6.29	6.05	6.86	5.83	7.14
Alkalinity [mg/L as CaCO3]	6	9	2	2	8	< 2	7
Conductivity [uS/cm]	11	18	18	53	33	14	19
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	7	< 2	7	< 2
F [mg/L]	< 0.06	< 0.06	0.27	0.86	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.25	< 0.03	< 0.03	< 0.03	< 0.03	0.09
SO4 [mg/L]	< 2	< 2	6	19	8	3	< 2
Cl [mg/L]	< 1	< 1	< 1	1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Hg [mg/L]	---	---	---	---	---	---	---
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.073	0.002	0.007	0.042	0.031	0.001	0.001
As [mg/L]	0.0034	1.14	0.0059	0.0020	0.0046	0.0309	0.566
Ba [mg/L]	0.00022	0.00041	0.00018	0.00065	0.00031	0.00014	0.00016
Be [mg/L]	< 0.000007	< 0.000007	0.000009	0.000120	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.20	2.94	2.69	7.84	5.87	1.86	2.46
Cd [mg/L]	< 0.000003	< 0.000003	0.000014	0.000638	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000045	0.000652	0.000326	0.050456	0.000088	0.005250	0.000503
Cr [mg/L]	< 0.00008	0.00011	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.552	< 0.007	0.009	< 0.007
K [mg/L]	0.028	0.034	0.090	0.151	0.099	0.015	0.012
Li [mg/L]	0.0010	0.0014	0.0042	0.0126	0.0012	0.0011	0.0002
Mg [mg/L]	0.044	0.587	0.219	0.266	0.114	0.257	0.684
Mn [mg/L]	0.00626	0.00200	0.00488	0.05733	0.00647	0.00827	0.00214
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.05	< 0.01	0.06	0.13	0.05	0.02	< 0.01
Ni [mg/L]	< 0.0001	0.0083	0.0007	0.0834	0.0004	0.0829	0.0057
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.243	0.0036	0.0054	< 0.0009	0.0014	0.225
Se [mg/L]	0.00005	< 0.00004	0.00006	0.00058	0.00004	0.00006	0.00004
Sn [mg/L]	0.00012	0.00009	0.00008	0.00022	0.00007	0.00006	0.00008
Sr [mg/L]	0.00155	0.00189	0.00448	0.00460	0.00369	0.00588	0.00098

OnLine LMS

0004020485

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-JAN25**

Analysis	10: CV5-WR-HCT-33 Wk#92	11: CV5-WR-HCT-36 Wk#92	12: CV5-WR-HCT-39 Wk#92	13: CV5-WR-HCT-50 Wk#92	14: CV5-WR-HCT-56 Wk#92	15: CV5-WR-HCT-59 Wk#92	16: CV5-WR-HCT-62 Wk#92
Ti [mg/L]	0.0002	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.000005	0.000007	0.000058	< 0.000005	0.000010	< 0.000005
U [mg/L]	0.000009	0.000014	0.000057	0.000309	0.000269	< 0.000002	0.000024
V [mg/L]	0.00046	0.00018	0.00012	< 0.00001	0.00019	0.00005	0.00010
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00008	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.002	0.353	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	0.00001	0.00034	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0017	0.0103	0.0016	0.0513	0.0173	0.0071	0.0020
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	0.00002	0.00001	0.00028	< 0.00001	< 0.00001	0.00002
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Nd (tot) [mg/L]	---	---	---	0.00011	---	---	---
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0003	0.0017	0.0014	0.0093	0.0007	0.0014	0.0008
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	17: CV5-WR-HCT-64 Wk#92	18: CV5-WR-HCT-69 Wk#92	19: CV5-ORE-HCT-74 Wk#92	20: CV5-ORE-HCT-76 Wk#92
Sample Date & Time	30-Jan-25	30-Jan-25	30-Jan-25	30-Jan-25
HumCell Leachate Vol [mL]	1019	1020	1029	1020
pH [No unit]	6.62	7.32	6.31	6.90

OnLine LIMS

0004020485

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-JAN25**

Analysis	17: CV5-WR-HCT-64 Wk#92	18: CV5-WR-HCT-69 Wk#92	19: CV5-ORE-HCT-74 Wk#92	20: CV5-ORE-HCT-76 Wk#92
Alkalinity [mg/L as CaCO3]	2	5	< 2	6
Conductivity [uS/cm]	6	11	3	14
Acidity [mg/L as CaCO3]	< 2	< 2	2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.03	0.03
SO4 [mg/L]	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Hg [mg/L]	---	---	---	---
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.017	0.057	0.019	0.047
As [mg/L]	0.0034	0.0024	0.0037	0.0014
Ba [mg/L]	0.00026	< 0.00008	< 0.00008	< 0.00008
Be [mg/L]	0.000014	0.000059	0.000014	0.000057
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00014	< 0.00001	0.00007
Ca [mg/L]	0.74	1.96	0.24	2.60
Cd [mg/L]	< 0.000003	0.000003	0.000004	< 0.000003
Co [mg/L]	0.000006	0.000006	0.000012	0.000011
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.120	0.047	0.058	0.146
Li [mg/L]	0.0008	0.0006	0.0039	0.0045
Mg [mg/L]	0.023	0.013	0.007	0.051
Mn [mg/L]	0.00684	0.00226	0.04401	0.00109
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	0.03	0.08	0.05	0.06
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0010	0.0037	< 0.0009
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	0.00011
Sr [mg/L]	0.00213	0.00253	0.00051	0.00393
Ti [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl [mg/L]	0.000039	0.000006	0.000030	0.000017
U [mg/L]	0.000082	0.001522	0.000110	0.000568
V [mg/L]	0.00002	0.00004	0.00002	0.00003
W [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0004020485

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10181-JAN25**

Analysis	17: CV5-WR-HCT-64 Wk#92	18: CV5-WR-HCT-69 Wk#92	19: CV5-ORE-HCT-74 Wk#92	20: CV5-ORE-HCT-76 Wk#92
Cs (tot) [mg/L]	0.0055	0.0016	0.0098	0.0041
Dy (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga (tot) [mg/L]	< 0.0001	0.0001	< 0.0001	0.0001
Gd (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Lu (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	< 0.00001	0.00002	0.00002	0.00001
Nd (tot) [mg/L]	---	---	---	---
Os (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	0.0127	0.0030	0.0091	0.0068
Re (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ta (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Yb (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004020485

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-September-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 27 August 2025
LR Report: **CA10182-AUG25**
Reference: Columns - Wk#26

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#26	6: CV5-CL-2 Wk#26	7: CV5-CL-3 Wk#26	8: CV5-CL-4 Wk#26	9: CV5-CL-5 Wk#26	10: CV5-CL-6 Wk#26
Sample Date & Time			27-Aug-25	27-Aug-25	27-Aug-25	27-Aug-25	27-Aug-25	27-Aug-25
HumCell Leachate Vol [mL]	28-Aug-25	08:44	1993	2001	1997	1999	2026	2004
pH [No unit]	29-Aug-25	13:57	7.47	7.58	7.37	7.75	7.61	7.72
Conductivity [uS/cm]	29-Aug-25	13:57	22	28	31	75	40	40
Alkalinity [mg/L as CaCO3]	29-Aug-25	13:57	16	14	13	33	22	22
Acidity [mg/L as CaCO3]	29-Aug-25	13:57	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	02-Sep-25	16:47	0.2	1.4	4.6	7.4	2.2	2.4
F [mg/L]	29-Aug-25	08:46	< 0.06	< 0.06	< 0.06	0.26	< 0.06	< 0.06
NO2 [as N mg/L]	02-Sep-25	14:52	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	02-Sep-25	14:52	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	02-Sep-25	14:52	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	02-Sep-25	16:48	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hg [mg/L]	29-Aug-25	16:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	29-Aug-25	15:56	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-Aug-25	15:56	0.176	0.167	0.034	0.138	0.116	0.108
As [mg/L]	29-Aug-25	15:56	0.0571	0.376	2.02	1.47	0.866	0.922
Ba [mg/L]	29-Aug-25	15:56	0.00012	0.00016	0.00050	0.00126	0.00043	0.00044
B [mg/L]	29-Aug-25	15:56	< 0.002	0.004	0.005	0.015	0.007	0.008
Be [mg/L]	29-Aug-25	15:56	0.000024	0.000026	0.000009	0.000072	0.000062	0.000035
Bi [mg/L]	29-Aug-25	15:56	0.00013	0.00006	0.00001	0.00023	0.00014	0.00010
Ca [mg/L]	29-Aug-25	15:56	3.59	4.09	4.70	8.97	5.54	5.28
Cd [mg/L]	29-Aug-25	15:56	0.000005	< 0.000003	< 0.000003	0.000003	0.000003	0.000005
Co [mg/L]	29-Aug-25	15:56	0.000012	0.000071	0.000944	0.000278	0.000163	0.000146
Cr [mg/L]	29-Aug-25	15:56	< 0.00008	0.00008	0.00011	0.00017	0.00009	< 0.00008
Cu [mg/L]	29-Aug-25	15:56	0.001	< 0.001	0.001	< 0.001	0.002	0.001
Fe [mg/L]	29-Aug-25	15:56	< 0.007	< 0.007	0.007	0.012	< 0.007	< 0.007
K [mg/L]	29-Aug-25	15:57	0.529	0.575	0.283	3.40	1.08	1.15
Li [mg/L]	29-Aug-25	15:57	0.0094	0.0250	0.0218	0.200	0.0595	0.0662
Mg [mg/L]	29-Aug-25	15:57	0.198	0.467	0.538	1.48	0.675	0.677
Mn [mg/L]	29-Aug-25	15:57	0.0165	0.00864	0.00992	0.0156	0.0147	0.0127
Mo [mg/L]	29-Aug-25	15:57	< 0.0004	< 0.0004	< 0.0004	0.0005	< 0.0004	< 0.0004
Na [mg/L]	29-Aug-25	15:57	0.50	0.41	0.24	1.84	1.02	1.18
Ni [mg/L]	29-Aug-25	15:57	< 0.0001	0.0006	0.0155	0.0030	0.0014	0.0014
Pb [mg/L]	29-Aug-25	15:57	< 0.00009	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009
Sb [mg/L]	29-Aug-25	15:57	0.0379	0.0799	0.469	0.179	0.150	0.173
Se [mg/L]	29-Aug-25	15:57	< 0.00004	0.00005	0.00021	0.00011	0.00009	0.00011

OnLine LIMS

0004249869

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10182-AUG25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#26	6: CV5-CL-2 Wk#26	7: CV5-CL-3 Wk#26	8: CV5-CL-4 Wk#26	9: CV5-CL-5 Wk#26	10: CV5-CL-6 Wk#26
Sn [mg/L]	29-Aug-25	15:57	0.00048	0.00091	0.00098	0.00158	0.00129	0.00111
Sr [mg/L]	29-Aug-25	15:57	0.00890	0.0123	0.0209	0.0328	0.0199	0.0190
Ti [mg/L]	29-Aug-25	15:57	< 0.0001	0.0002	< 0.0001	0.0004	0.0001	0.0001
Tl [mg/L]	29-Aug-25	15:57	0.000042	0.000043	0.000059	0.000155	0.000079	0.000079
U [mg/L]	29-Aug-25	11:04	0.102	0.111	0.0253	0.409	0.245	0.244
V [mg/L]	29-Aug-25	15:57	0.00008	0.00050	0.00190	0.00248	0.00081	0.00086
W [mg/L]	29-Aug-25	15:57	0.00020	0.00027	0.00033	0.0107	0.00086	0.00114
Y [mg/L]	29-Aug-25	15:57	< 0.00002	< 0.00002	< 0.00002	0.00002	< 0.00002	< 0.00002
Zn [mg/L]	29-Aug-25	15:57	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	29-Aug-25	15:57	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Cs [mg/L]	29-Aug-25	15:57	0.0077	0.0359	0.150	0.199	0.0794	0.0782
Dy [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	29-Aug-25	11:04	0.0004	0.0005	< 0.0001	0.0031	0.0006	0.0005
Gd (tot) [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	29-Aug-25	15:57	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Hf [mg/L]	29-Aug-25	15:57	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	29-Aug-25	15:57	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	0.00002	0.00002	0.00001	0.00001
Lu [mg/L]	29-Aug-25	11:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	29-Aug-25	15:57	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Nd [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Os [mg/L]	29-Aug-25	15:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	29-Aug-25	15:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	29-Aug-25	15:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	29-Aug-25	15:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	29-Aug-25	15:58	0.0301	0.0310	0.0218	0.168	0.0614	0.0636
Re [mg/L]	29-Aug-25	15:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	29-Aug-25	15:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Sc [mg/L]	29-Aug-25	11:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta [mg/L]	29-Aug-25	15:58	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Tb [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	29-Aug-25	15:58	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	29-Aug-25	11:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	29-Aug-25	11:04	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004249869

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Patriot WR - Short

Project : 2023 Waste Rock Humidity Cells

01-October-2025

Date Rec. : 25 September 2025
LR Report: **CA10183-SEP25**
Reference: Wk#126 - 2023 Waste Rock Humidity Cells

Copy: #1

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#126	6: CV5-WR-HCT-5 Wk#126	7: CV5-WR-HCT-5 (DUP) Wk#126	8: CV5-WR-HCT-14 Wk#126	9: CV5-WR-HCT-22 Wk#126	10: CV5-WR-HCT-33 Wk#126
Sample Date & Time			25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25
HumCell Leachate Vol [mL]	29-Sep-25	16:20	986	998	988	1011	1020	978
pH [No unit]	29-Sep-25	17:57	6.04	6.03	6.48	6.72	6.41	6.36
Conductivity [uS/cm]	26-Sep-25	15:59	39	22	15	22	11	11

Analysis	11: CV5-WR-HCT-36 Wk#126	12: CV5-WR-HCT-39 Wk#126	13: CV5-WR-HCT-50 Wk#126	14: CV5-WR-HCT-56 Wk#126	15: CV5-WR-HCT-59 Wk#126	16: CV5-WR-HCT-62 Wk#126	17: CV5-WR-HCT-64 Wk#126	18: CV5-WR-HCT-69 Wk#126
Sample Date & Time	25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25	25-Sep-25
HumCell Leachate Vol [mL]	971	956	991	1022	1008	959	1016	1023
pH [No unit]	6.49	5.43	4.26	6.74	5.53	6.46	6.78	6.19
Conductivity [uS/cm]	19	20	105	34	16	16	6	11

Analysis	19: CV5-ORE-HCT-74 Wk#126	20: CV5-ORE-HCT-76 Wk#126
Sample Date & Time	25-Sep-25	25-Sep-25
HumCell Leachate Vol [mL]	1010	991
pH [No unit]	6.86	7.28
Conductivity [uS/cm]	3	12

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004276417

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

09-September-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 28 August 2025
LR Report: **CA10189-AUG25**
Reference: Wk#122

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#122	6: CV5-WR-HCT-5 Wk#122	7: CV5-WR-HCT-5 (DUP) Wk#122	8: CV5-WR-HCT-14 Wk#122	9: CV5-WR-HCT-22 Wk#122	10: CV5-WR-HCT-33 Wk#122
Sample Date & Time			28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25
HumCell Leachate Vol [mL]	28-Aug-25	12:38	998	1009	1005	1000	1014	940
pH [No unit]	02-Sep-25	14:05	6.31	6.68	6.98	6.92	6.90	6.90
Conductivity [uS/cm]	29-Aug-25	13:46	31	21	13	22	11	10

Analysis	11: CV5-WR-HCT-36 Wk#122	12: CV5-WR-HCT-39 Wk#122	13: CV5-WR-HCT-50 Wk#122	14: CV5-WR-HCT-56 Wk#122	15: CV5-WR-HCT-59 Wk#122	16: CV5-WR-HCT-62 Wk#122	17: CV5-WR-HCT-64 Wk#122	18: CV5-WR-HCT-69 Wk#122
Sample Date & Time	28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25	28-Aug-25
HumCell Leachate Vol [mL]	988	934	995	1009	925	992	1016	1005
pH [No unit]	6.20	5.64	4.57	6.80	6.90	6.41	6.97	6.90
Conductivity [uS/cm]	14	20	97	34	16	15	3	9

Analysis	19: CV5-ORE-HCT-74 Wk#122	20: CV5-ORE-HCT-76 Wk#122
Sample Date & Time	28-Aug-25	28-Aug-25
HumCell Leachate Vol [mL]	1012	976
pH [No unit]	7.13	6.90
Conductivity [uS/cm]	3	12



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004249872

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 30 July 2025
LR Report: **CA10211-JUL25**
Reference: Columns - Wk#22

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#22	6: CV5-CL-2 Wk#22	7: CV5-CL-3 Wk#22	8: CV5-CL-4 Wk#22	9: CV5-CL-5 Wk#22	10: CV5-CL-6 Wk#22
Sample Date & Time			30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25
HumCell Leachate Vol [mL]	31-Jul-25	15:29	2005	1998	1998	1992	1997	1998
pH [No unit]	07-Aug-25	10:48	7.33	7.44	7.22	7.19	7.57	7.47
Conductivity [uS/cm]	01-Aug-25	10:23	23	28	32	84	41	41
Alkalinity [mg/L as CaCO3]	01-Aug-25	10:23	12	14	11	36	23	22
Acidity [mg/L as CaCO3]	01-Aug-25	10:23	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	05-Aug-25	16:39	0.2	1.7	5.2	7.7	2.9	2.9
F [mg/L]	31-Jul-25	15:07	< 0.06	0.12	< 0.06	0.31	0.11	0.12
NO2 [as N mg/L]	05-Aug-25	08:48	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	05-Aug-25	08:48	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
NO2+NO3 [as N mg/L]	05-Aug-25	08:48	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Cl [mg/L]	05-Aug-25	16:39	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hg [mg/L]	05-Aug-25	15:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	05-Aug-25	15:12	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	05-Aug-25	15:12	0.195	0.176	0.039	0.150	0.119	0.112
As [mg/L]	05-Aug-25	15:12	0.0745	0.466	2.62	1.65	1.24	1.27
Ba [mg/L]	05-Aug-25	15:12	0.00015	0.00020	0.00057	0.00127	0.00056	0.00045
B [mg/L]	05-Aug-25	15:12	< 0.002	0.005	0.006	0.022	0.009	0.010
Be [mg/L]	05-Aug-25	15:12	0.000029	0.000029	0.000008	0.000110	0.000040	0.000024
Bi [mg/L]	05-Aug-25	15:12	0.00046	0.00018	0.00002	0.00042	0.00029	0.00027
Ca [mg/L]	05-Aug-25	15:12	4.22	4.81	5.53	9.90	6.39	6.01
Cd [mg/L]	05-Aug-25	15:12	0.000004	0.000003	< 0.000003	0.000005	0.000006	0.000007
Co [mg/L]	05-Aug-25	15:12	0.000025	0.000068	0.000963	0.000284	0.000177	0.000164
Cr [mg/L]	05-Aug-25	15:12	< 0.00008	< 0.00008	0.00016	0.00020	0.00009	< 0.00008
Cu [mg/L]	05-Aug-25	15:12	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	05-Aug-25	15:12	< 0.007	< 0.007	0.008	0.014	< 0.007	< 0.007
K [mg/L]	05-Aug-25	15:12	0.703	0.756	0.373	4.70	1.38	1.54
Li [mg/L]	05-Aug-25	15:12	0.0124	0.0305	0.0263	0.239	0.0699	0.0810
Mg [mg/L]	05-Aug-25	15:12	0.241	0.539	0.623	1.84	0.764	0.751
Mn [mg/L]	05-Aug-25	15:12	0.0143	0.00916	0.0108	0.0160	0.0150	0.0130
Mo [mg/L]	05-Aug-25	15:12	< 0.0004	< 0.0004	< 0.0004	0.0007	0.0004	0.0005
Na [mg/L]	05-Aug-25	15:12	0.70	0.57	0.36	2.32	1.41	1.68
Ni [mg/L]	05-Aug-25	15:12	0.0003	0.0006	0.0169	0.0038	0.0017	0.0017
Pb [mg/L]	07-Aug-25	11:00	< 0.00009	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009
Sb [mg/L]	05-Aug-25	15:12	0.0530	0.110	0.598	0.218	0.213	0.236
Se [mg/L]	05-Aug-25	15:12	0.00006	0.00006	0.00019	0.00012	0.00008	0.00008

OnLine LMS

0004217486

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10211-JUL25**

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: CV5-CL-1 Wk#22	6: CV5-CL-2 Wk#22	7: CV5-CL-3 Wk#22	8: CV5-CL-4 Wk#22	9: CV5-CL-5 Wk#22	10: CV5-CL-6 Wk#22
Sn [mg/L]	05-Aug-25	15:12	0.00073	0.00111	0.00155	0.00227	0.00165	0.00179
Sr [mg/L]	05-Aug-25	15:12	0.0102	0.0135	0.0240	0.0334	0.0223	0.0203
Ti [mg/L]	05-Aug-25	15:12	< 0.0001	0.0001	0.0001	0.0004	0.0002	0.0001
Tl [mg/L]	05-Aug-25	15:12	0.000048	0.000046	0.000063	0.000192	0.000087	0.000089
U [mg/L]	05-Aug-25	15:12	0.103	0.118	0.0272	0.402	0.244	0.228
V [mg/L]	05-Aug-25	15:12	0.00011	0.00065	0.00262	0.00252	0.00101	0.00105
W [mg/L]	05-Aug-25	15:12	0.00031	0.00044	0.00051	0.0133	0.00142	0.00228
Y [mg/L]	05-Aug-25	15:11	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	05-Aug-25	15:11	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	05-Aug-25	15:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	0.00002	0.00001	0.00001
Cs [mg/L]	05-Aug-25	15:11	0.0093	0.0461	0.172	0.222	0.0987	0.0931
Dy [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	06-Aug-25	13:25	0.0004	0.0005	< 0.0001	0.0028	0.0005	0.0004
Gd (tot) [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	07-Aug-25	11:01	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Hf [mg/L]	05-Aug-25	15:11	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	05-Aug-25	15:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	0.00002	0.00002	0.00001	0.00001
Lu [mg/L]	06-Aug-25	13:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	07-Aug-25	11:04	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Os [mg/L]	05-Aug-25	15:11	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	05-Aug-25	15:11	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	06-Aug-25	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	05-Aug-25	15:11	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	05-Aug-25	15:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	07-Aug-25	11:02	0.0390	0.0398	0.0260	0.217	0.0767	0.0782
Re [mg/L]	05-Aug-25	15:11	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	05-Aug-25	15:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	06-Aug-25	13:26	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	06-Aug-25	13:26	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Ta [mg/L]	07-Aug-25	11:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb [mg/L]	06-Aug-25	13:26	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	05-Aug-25	15:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	05-Aug-25	15:10	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	06-Aug-25	13:26	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

NA - Not applicable

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LMS

0004217486

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2025

Innova Lithium Inc.
Attn : Alix Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 31 July 2025
LR Report: **CA10217-JUL25**
Reference: Wk#118

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#118	6: CV5-WR-HCT-5 Wk#118	7: CV5-WR-HCT-5 (DUP) Wk#118	8: CV5-WR-HCT-14 Wk#118	9: CV5-WR-HCT-22 Wk#118	10: CV5-WR-HCT-33 Wk#118
Sample Date & Time			31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25
HumCell Leachate Vol [mL]	31-Jul-25	15:30	926	956	964	968	997	928
pH [No unit]	05-Aug-25	10:39	6.03	6.68	6.65	7.21	6.72	6.72
Conductivity [uS/cm]	05-Aug-25	11:26	37	22	15	22	9	10

Analysis	11: CV5-WR-HCT-36 Wk#118	12: CV5-WR-HCT-39 Wk#118	13: CV5-WR-HCT-50 Wk#118	14: CV5-WR-HCT-56 Wk#118	15: CV5-WR-HCT-59 Wk#118	16: CV5-WR-HCT-62 Wk#118	17: CV5-WR-HCT-64 Wk#118	18: CV5-WR-HCT-69 Wk#118
Sample Date & Time	31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25	31-Jul-25
HumCell Leachate Vol [mL]	1003	936	978	993	964	924	998	994
pH [No unit]	6.70	6.16	4.66	6.53	6.50	6.33	6.81	6.49
Conductivity [uS/cm]	12	22	121	31	19	19	3	9

Analysis	19: CV5-ORE-HCT-74 Wk#118	20: CV5-ORE-HCT-76 Wk#118
Sample Date & Time	31-Jul-25	31-Jul-25
HumCell Leachate Vol [mL]	1007	990
pH [No unit]	7.28	6.61
Conductivity [uS/cm]	4	15



Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0004217498

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

ABA - Modified Sobek

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

24-March-2025

Date Rec. : 05 February 2025
LR Report: **CA11009-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate rating	Sample weight g	HCl_add mL	HCl Normality	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NP t CaCO3/1000 t	AP t CaCO3/1000 t
1: Analysis Start Date		21-Mar-25	20-Mar-25	19-Mar-25	21-Mar-25	20-Mar-25	20-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25
2: Analysis Start Time		08:02	07:40	13:53	06:31	08:35	08:35	13:55	08:35	13:55	13:55
3: Analysis Completed Date		21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25
4: Analysis Completed Time		16:33	16:33	16:33	16:33	16:33	16:33	16:33	16:33	16:33	16:34
5: VIS-CV5-AMP-085	NA	9.76	3	2.02	20.00	0.10	0.10	12.11	1.71	19.5	1.50
6: VIS-CV5-AMP-086	NA	9.73	3	1.99	20.00	0.10	0.10	14.16	1.42	14.7	2.62
7: VIS-CV5-AMP-087	NA	9.70	3	2.01	27.90	0.10	0.10	11.90	1.68	39.8	1.91
8: VIS-CV5-AMP-088	NA	9.45	3	1.99	20.00	0.10	0.10	12.86	1.47	17.9	18.8
9: VIS-CV5-AMP-089	NA	9.48	3	2.01	20.00	0.10	0.10	13.61	1.63	15.9	5.59
10: VIS-CV5-AMP-090	NA	9.44	3	2.00	20.00	0.10	0.10	13.37	1.36	16.6	7.53
11: VIS-CV5-AMP-091	NA	9.72	3	2.04	20.00	0.10	0.10	10.72	1.65	22.8	1.97
12: VIS-CV5-AMP-092	NA	9.38	2	1.98	20.00	0.10	0.10	15.51	1.42	11.3	0.88
13: VIS-CV5-AMP-093	NA	9.45	2	2.00	20.00	0.10	0.10	14.74	1.46	13.1	6.38
14: VIS-CV5-AMP-094	NA	9.84	2	2.02	20.00	0.10	0.10	16.49	1.41	8.7	2.97
15: VIS-CV5-AMP-095	NA	9.80	3	1.99	20.00	0.10	0.10	12.76	1.41	18.2	8.34
16: VIS-CV5-AMP-096	NA	9.73	3	2.00	27.90	0.10	0.10	11.43	1.63	41.2	4.25
17: VIS-CV5-AMP-097	NA	9.64	3	2.01	20.00	0.10	0.10	11.11	1.63	22.1	5.06
18: VIS-CV5-AMP-098	NA	9.48	3	1.98	20.00	0.10	0.10	14.20	1.44	14.6	5.88

OnLine LIMS

0004055042

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

ABA - Modified Sobek

LR Report : **CA11009-FEB25**

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate rating	Sample weight g	HCl_add mL	HCl Normality	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NP t CaCO3/1000 t	AP t CaCO3/1000 t
19: VIS-CV5-AMP-099	NA	9.84	3	2.01	20.00	0.10	0.10	14.69	1.57	13.2	5.97
20: VIS-CV5-AMP-100	NA	9.31	2	1.99	20.00	0.10	0.10	14.13	1.51	14.7	16.1
21: VIS-CV5-AMP-101	NA	9.04	2	2.02	20.00	0.10	0.10	12.31	1.75	19.0	30.2
22: VIS-CV5-AMP-102	NA	9.62	2	2.00	20.00	0.10	0.10	14.63	1.50	13.4	18.6
23: VIS-CV5-AMP-103	NA	9.33	2	2.00	20.00	0.10	0.10	14.09	1.32	14.8	5.81
24: VIS-CV5-AMP-104	NA	10.02	3	2.00	20.00	0.10	0.10	14.75	1.41	13.1	0.50
25: VIS-CV5-AMP-105	NA	7.17	2	1.99	20.00	0.10	0.10	16.29	1.43	9.3	106
26: VIS-CV5-AMP-106	NA	9.96	3	2.00	20.00	0.10	0.10	9.08	1.78	49.1	3.12
27: VIS-CV5-AMP-107	NA	9.87	4	2.01	50.70	0.10	0.10	18.81	1.50	79.3	7.75
28: VIS-CV5-AMP-108	NA	9.66	3	1.98	69.30	0.10	0.10	25.44	1.50	111	19.5
29: VIS-CV5-AMP-109	NA	9.45	3	2.01	20.00	0.10	0.10	9.46	1.78	26.2	20.6
30: VIS-CV5-AMP-110	NA	9.82	3	2.00	20.00	0.10	0.10	15.48	1.24	11.3	3.62
31: VIS-CV5-AMP-111	NA	9.61	3	1.98	20.00	0.10	0.10	13.80	1.53	15.7	4.06
32: VIS-CV5-AMP-112	NA	9.97	3	1.99	20.00	0.10	0.10	12.65	1.42	18.5	3.38
33: VIS-CV5-AMP-113	NA	9.67	3	2.01	23.70	0.10	0.10	12.48	1.56	27.9	1.09
34: VIS-CV5-AMP-114	NA	9.60	3	2.01	20.00	0.10	0.10	9.75	1.72	25.5	2.88
35: VIS-CV5-AMP-115	NA	9.07	3	1.99	27.00	0.10	0.10	13.84	1.60	33.1	31.1
36: VIS-CV5-AMP-116	NA	9.99	3	2.03	20.00	0.10	0.10	9.72	1.82	25.3	1.88
37: VIS-CV5-AMP-117	NA	9.95	3	1.99	20.00	0.10	0.10	12.05	1.35	20.0	1.19
38: VIS-CV5-AMP-118	NA	10.08	3	1.99	20.00	0.10	0.10	13.83	1.42	15.5	2.38
39: VIS-CV5-AMP-119	NA	9.75	3	2.00	20.00	0.10	0.10	15.03	1.21	12.4	3.47
40: VIS-CV5-AMP-120	NA	9.81	4	2.02	63.80	0.10	0.10	17.52	1.64	115	2.44
41: VIS-CV5-AMP-121	NA	9.96	4	2.00	40.00	0.10	0.10	21.35	1.50	46.6	4.00
42: VIS-CV5-AMP-122	NA	9.46	2	2.02	20.00	0.10	0.10	15.85	1.29	10.3	12.0
43: VIS-CV5-AMP-123	NA	9.54	3	2.02	20.00	0.10	0.10	10.48	1.68	23.6	0.72
44: VIS-CV5-AMP-124	NA	9.89	3	2.01	20.00	0.10	0.10	10.66	1.69	23.2	1.31
45: VIS-CV5-AMP-125	NA	9.76	2	1.98	20.00	0.10	0.10	16.29	1.30	9.4	3.47
46: VIS-CV5-AMP-126	NA	10.09	3	1.99	20.00	0.10	0.10	13.62	1.47	16.0	2.25
47: VIS-CV5-AMP-127	NA	9.96	4	2.01	50.10	0.10	0.10	20.69	1.51	73.2	2.50
48: VIS-CV5-AMP-128	NA	9.81	4	1.98	70.80	0.10	0.10	17.70	1.71	134	3.53
49: VIS-CV5-AMP-129	NA	9.71	4	1.98	40.00	0.10	0.10	19.40	1.50	52.0	4.66
50: VIS-CV5-AMP-130	NA	9.83	4	1.98	40.00	0.10	0.10	18.48	1.50	54.3	3.03
51: VIS-CV5-AMP-131	NA	9.75	3	1.98	20.00	0.10	0.10	9.06	1.70	27.6	6.12

OnLine LIMS

0004055042

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

ABA - Modified Sobek

LR Report : CA11009-FEB25

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate rating	Sample weight g	HCl_add mL	HCl Normality	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NP t CaCO3/1000 t	AP t CaCO3/1000 t
52: VIS-CV5-AMP-132	NA	9.90	3	2.03	29.10	0.10	0.10	10.97	1.63	44.7	2.72

Sample ID	Net NP t CaCO3/1000 t	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) as %CO3 %
1: Analysis Start Date	21-Mar-25	21-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	17-Mar-25	17-Mar-25
2: Analysis Start Time	13:55	13:55	11:24	09:53	09:30	11:24	14:23
3: Analysis Completed Date	21-Mar-25	21-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	17-Mar-25	17-Mar-25
4: Analysis Completed Time	16:34	16:34	09:54	09:54	09:54	14:59	14:59
5: VIS-CV5-AMP-085	18.0	13.0	0.058	< 0.04	0.05	0.139	0.65
6: VIS-CV5-AMP-086	12.1	5.60	0.092	< 0.04	0.08	0.104	0.47
7: VIS-CV5-AMP-087	37.9	20.9	0.087	< 0.04	0.06	0.444	2.20
8: VIS-CV5-AMP-088	-0.85	0.95	0.757	0.16	0.60	0.150	0.71
9: VIS-CV5-AMP-089	10.3	2.84	0.264	0.08	0.18	0.075	0.31
10: VIS-CV5-AMP-090	9.07	2.20	0.257	< 0.04	0.24	0.112	0.48
11: VIS-CV5-AMP-091	20.8	11.6	0.077	< 0.04	0.06	0.210	0.95
12: VIS-CV5-AMP-092	10.4	12.9	0.038	< 0.04	0.03	0.041	< 0.04
13: VIS-CV5-AMP-093	6.72	2.05	0.249	0.04	0.20	0.068	0.31
14: VIS-CV5-AMP-094	5.73	2.93	0.122	< 0.04	0.10	0.024	0.09
15: VIS-CV5-AMP-095	9.86	2.18	0.328	0.06	0.27	0.147	0.69
16: VIS-CV5-AMP-096	37.0	9.69	0.199	0.06	0.14	0.460	2.25
17: VIS-CV5-AMP-097	17.0	4.37	0.182	< 0.04	0.16	0.174	0.81
18: VIS-CV5-AMP-098	8.72	2.49	0.196	< 0.04	0.19	0.094	0.41
19: VIS-CV5-AMP-099	7.23	2.21	0.251	0.06	0.19	0.068	0.21
20: VIS-CV5-AMP-100	-1.36	0.92	0.640	0.13	0.51	0.059	0.22
21: VIS-CV5-AMP-101	-11.22	0.63	1.11	0.15	0.97	0.104	0.47
22: VIS-CV5-AMP-102	-5.19	0.72	0.703	0.11	0.60	0.044	0.18
23: VIS-CV5-AMP-103	8.99	2.55	0.222	< 0.04	0.19	0.077	0.16
24: VIS-CV5-AMP-104	12.6	26.2	0.020	< 0.04	0.02	0.074	0.30
25: VIS-CV5-AMP-105	-96.61	0.09	3.58	0.19	3.39	0.023	< 0.04
26: VIS-CV5-AMP-106	46.0	15.7	0.138	< 0.04	0.10	0.579	2.72
27: VIS-CV5-AMP-107	71.6	10.2	0.349	0.10	0.25	0.974	4.70

OnLine LIMS

0004055042

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Net NP t CaCO3/1000 t	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) as %CO3 %
28: VIS-CV5-AMP-108	91.3	5.68	0.814	0.19	0.62	1.34	6.59
29: VIS-CV5-AMP-109	5.64	1.27	0.889	0.23	0.66	0.262	1.23
30: VIS-CV5-AMP-110	7.68	3.12	0.141	< 0.04	0.12	0.075	0.35
31: VIS-CV5-AMP-111	11.6	3.86	0.160	< 0.04	0.13	0.097	0.39
32: VIS-CV5-AMP-112	15.1	5.48	0.155	0.05	0.11	0.138	0.56
33: VIS-CV5-AMP-113	26.8	25.5	0.056	< 0.04	0.04	0.228	1.07
34: VIS-CV5-AMP-114	22.6	8.87	0.113	< 0.04	0.09	0.189	0.89
35: VIS-CV5-AMP-115	2.04	1.07	1.05	0.05	0.99	0.309	1.48
36: VIS-CV5-AMP-116	23.4	13.5	0.078	< 0.04	0.06	0.214	0.99
37: VIS-CV5-AMP-117	18.8	16.8	0.042	< 0.04	0.04	0.142	0.64
38: VIS-CV5-AMP-118	13.1	6.53	0.083	< 0.04	0.08	0.086	0.38
39: VIS-CV5-AMP-119	8.93	3.57	0.248	0.14	0.11	0.082	0.36
40: VIS-CV5-AMP-120	112	47.0	0.101	< 0.04	0.08	1.39	6.84
41: VIS-CV5-AMP-121	42.6	11.6	0.194	0.07	0.13	0.538	2.47
42: VIS-CV5-AMP-122	-1.73	0.86	0.489	0.10	0.38	0.057	0.22
43: VIS-CV5-AMP-123	22.9	32.8	0.021	< 0.04	0.02	0.178	0.83
44: VIS-CV5-AMP-124	21.9	17.7	0.051	< 0.04	0.04	0.198	0.84
45: VIS-CV5-AMP-125	5.93	2.71	0.157	0.05	0.11	0.068	0.31
46: VIS-CV5-AMP-126	13.8	7.11	0.098	< 0.04	0.07	0.101	0.47
47: VIS-CV5-AMP-127	70.7	29.3	0.109	< 0.04	0.08	0.839	4.14
48: VIS-CV5-AMP-128	131	38.0	0.140	< 0.04	0.11	1.60	7.52
49: VIS-CV5-AMP-129	47.3	11.2	0.152	< 0.04	0.15	0.563	2.75
50: VIS-CV5-AMP-130	51.3	17.9	0.173	0.08	0.10	0.580	2.85
51: VIS-CV5-AMP-131	21.5	4.51	0.275	0.08	0.20	0.268	1.27
52: VIS-CV5-AMP-132	42.0	16.4	0.127	0.04	0.09	0.484	2.33

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP–AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

OnLine LIMS

0004055042

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	g	NA	N	N
	mL		N	N
	mL	NA	N	N
	no unit	NA	N	N
	Normality	NA	N	N
	rating	NA	N	N
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	N	N
	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	N	N
Acid Potential	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	Y	Y
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-019	Y	N
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-019	Y	Y
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-020	Y	N
Neutralization Potential	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	N	Y
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	Y	N

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004055042

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Carbon/Sulphur - QCBatchID: ECS0049-MAR25														
Carbon (total)	0.005	%	<0.005			9	20				100	70	130	
Sulphur (total)	0.005	%	<0.005			5	20				104	70	130	
Carbon/Sulphur - QCBatchID: ECS0051-MAR25														
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	3	80	120				
Carbon/Sulphur - QCBatchID: ECS0054-MAR25														
Sulphide	0.01	%	< 0.01			4	20	116	80	120				

OnLine LIMS

0004055042

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

24-March-2025

Date Rec. : 05 February 2025
LR Report: **CA11010-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Hg ug/g	Ag µg/g	Al µg/g	As µg/g	B µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca µg/g	Cd µg/g	Co µg/g
1: Analysis Start Date		18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
2: Analysis Start Time		13:46	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19
3: Analysis Completed Date		21-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25
4: Analysis Completed Time		12:59	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10
5: VIS-CV5-AMP-085	NA	< 0.05	< 0.5	11000	1.5	3	7.6	0.04	0.16	12000	0.05	7.1
6: VIS-CV5-AMP-086	NA	< 0.05	< 0.5	8100	4.9	3	13	0.04	< 0.09	9100	0.03	9.8
7: VIS-CV5-AMP-087	NA	< 0.05	< 0.5	7600	1.9	2	7.1	0.03	< 0.09	17000	0.04	11
8: VIS-CV5-AMP-088	NA	< 0.05	< 0.5	5600	7.1	2	5.0	0.03	0.11	9300	0.04	19
9: VIS-CV5-AMP-089	NA	< 0.05	< 0.5	12000	8.5	2	84	0.06	< 0.09	7400	0.02	15
10: VIS-CV5-AMP-090	NA	< 0.05	< 0.5	11000	14	5	5.9	0.39	< 0.09	6900	< 0.02	25
11: VIS-CV5-AMP-091	NA	< 0.05	< 0.5	7100	3.0	1	27	0.03	< 0.09	10000	0.04	11
12: VIS-CV5-AMP-092	NA	< 0.05	< 0.5	11000	24	< 1	4.4	0.03	< 0.09	1100	< 0.02	13
13: VIS-CV5-AMP-093	NA	< 0.05	< 0.5	13000	17	3	80	0.43	< 0.09	7400	0.03	19
14: VIS-CV5-AMP-094	NA	< 0.05	< 0.5	11000	6.6	7	72	0.26	< 0.09	6400	0.04	16
15: VIS-CV5-AMP-095	NA	< 0.05	< 0.5	9900	16	3	11	0.12	0.38	11000	0.03	24
16: VIS-CV5-AMP-096	NA	< 0.05	< 0.5	9200	24	2	12	0.24	< 0.09	19000	0.06	14
17: VIS-CV5-AMP-097	NA	< 0.05	< 0.5	11000	29	3	30	0.36	< 0.09	9000	< 0.02	18
18: VIS-CV5-AMP-098	NA	< 0.05	< 0.5	11000	20	5	6.2	0.94	0.11	7500	< 0.02	14
19: VIS-CV5-AMP-099	NA	< 0.05	< 0.5	15000	3.4	4	49	0.18	< 0.09	9400	0.04	22
20: VIS-CV5-AMP-100	NA	< 0.05	< 0.5	12000	950	5	49	1.7	6.9	4800	0.11	24

OnLine LIMS

00044055051

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11010-FEB25**

Sample ID	Sample Date & Time	Hg ug/g	Ag µg/g	Al µg/g	As µg/g	B µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca µg/g	Cd µg/g	Co µg/g
21: VIS-CV5-AMP-101	NA	< 0.05	< 0.5	15000	31	3	110	0.59	0.13	7300	0.04	29
22: VIS-CV5-AMP-102	NA	< 0.05	< 0.5	15000	14	3	100	0.36	< 0.09	6200	< 0.02	21
23: VIS-CV5-AMP-103	NA	< 0.05	< 0.5	13000	47	4	64	0.76	0.31	9500	0.07	15
24: VIS-CV5-AMP-104	NA	< 0.05	< 0.5	11000	40	4	77	2.1	0.18	11000	0.05	13
25: VIS-CV5-AMP-105	NA	< 0.05	< 0.5	6500	9.5	2	24	0.57	0.72	4100	< 0.02	13
26: VIS-CV5-AMP-106	NA	< 0.05	< 0.5	6900	24	3	7.3	0.78	< 0.09	22000	0.06	14
27: VIS-CV5-AMP-107	NA	< 0.05	< 0.5	6400	6.2	26	9.9	0.16	< 0.09	31000	0.04	15
28: VIS-CV5-AMP-108	NA	< 0.05	< 0.5	5400	5.8	3	3.7	0.19	< 0.09	38000	0.14	19
29: VIS-CV5-AMP-109	NA	< 0.05	< 0.5	7000	31	3	7.0	0.06	< 0.09	13000	0.04	19
30: VIS-CV5-AMP-110	NA	< 0.05	< 0.5	9000	48	11	14	0.28	< 0.09	8200	0.03	16
31: VIS-CV5-AMP-111	NA	< 0.05	< 0.5	13000	39	5	21	0.50	0.31	10000	0.03	18
32: VIS-CV5-AMP-112	NA	< 0.05	< 0.5	11000	24	4	14	2.5	< 0.09	13000	0.05	14
33: VIS-CV5-AMP-113	NA	< 0.05	< 0.5	14000	180	6	9.7	2.3	< 0.09	10000	0.45	15
34: VIS-CV5-AMP-114	NA	< 0.05	< 0.5	13000	67	3	23	0.62	0.12	9300	0.02	19
35: VIS-CV5-AMP-115	NA	< 0.05	< 0.5	11000	130	2	27	0.12	0.32	15000	0.04	21
36: VIS-CV5-AMP-116	NA	< 0.05	< 0.5	14000	33	34	13	0.21	< 0.09	16000	0.02	14
37: VIS-CV5-AMP-117	NA	< 0.05	< 0.5	6100	110	2	6.3	0.38	< 0.09	7800	< 0.02	24
38: VIS-CV5-AMP-118	NA	< 0.05	< 0.5	7900	8.8	8	14	0.04	< 0.09	9700	0.03	11
39: VIS-CV5-AMP-119	NA	< 0.05	< 0.5	5400	2.9	1	49	0.04	< 0.09	4300	< 0.02	9.2
40: VIS-CV5-AMP-120	NA	< 0.05	< 0.5	8600	20	8	8.8	0.25	< 0.09	41000	0.05	15
41: VIS-CV5-AMP-121	NA	< 0.05	< 0.5	12000	1.7	2	6.0	0.09	< 0.09	22000	0.04	10
42: VIS-CV5-AMP-122	NA	< 0.05	< 0.5	11000	16	3	36	0.33	0.21	6400	0.19	14
43: VIS-CV5-AMP-123	NA	< 0.05	< 0.5	13000	18	3	4.9	2.1	0.69	7700	< 0.02	17
44: VIS-CV5-AMP-124	NA	< 0.05	< 0.5	8400	59	7	9.6	0.22	< 0.09	9900	0.09	10
45: VIS-CV5-AMP-125	NA	< 0.05	< 0.5	7800	25	3	16	0.42	< 0.09	6600	0.04	17
46: VIS-CV5-AMP-126	NA	< 0.05	< 0.5	18000	390	5	38	2.5	0.18	11000	0.11	11
47: VIS-CV5-AMP-127	NA	< 0.05	< 0.5	10000	97	9	8.0	0.15	< 0.09	29000	0.05	11
48: VIS-CV5-AMP-128	NA	< 0.05	< 0.5	7700	10	3	6.9	0.17	< 0.09	46000	0.05	12
49: VIS-CV5-AMP-129	NA	< 0.05	< 0.5	10000	46	3	5.3	0.31	< 0.09	21000	0.14	17
50: VIS-CV5-AMP-130	NA	< 0.05	< 0.5	7800	16	4	4.1	0.37	< 0.09	21000	0.04	13
51: VIS-CV5-AMP-131	NA	< 0.05	< 0.5	10000	12	3	12	0.14	< 0.09	15000	0.03	15
52: VIS-CV5-AMP-132	NA	< 0.05	< 0.5	8000	3.9	2	10	0.18	< 0.09	20000	0.02	10.0

OnLine LIMS

00040550S1

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11010-FEB25**

Sample ID	Cr µg/g	Cu µg/g	Fe µg/g	K µg/g	Li µg/g	Mg µg/g	Mn µg/g	Mo µg/g	Na µg/g	Ni µg/g	P µg/g	Pb µg/g
1: Analysis Start Date	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
2: Analysis Start Time	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19
3: Analysis Completed Date	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25
4: Analysis Completed Time	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10
5: VIS-CV5-AMP-085	32	180	9500	340	14	4600	150	0.5	1000	19	200	0.21
6: VIS-CV5-AMP-086	25	61	11000	600	26	4300	120	0.7	570	21	290	0.62
7: VIS-CV5-AMP-087	31	91	10000	330	78	3700	190	0.4	570	34	180	0.29
8: VIS-CV5-AMP-088	37	81	15000	190	26	2500	160	0.7	730	49	190	0.40
9: VIS-CV5-AMP-089	55	59	21000	1900	37	8000	110	0.9	510	34	810	1.4
10: VIS-CV5-AMP-090	83	75	14000	420	120	11000	200	0.4	600	84	140	3.4
11: VIS-CV5-AMP-091	17	89	15000	930	43	4300	210	0.6	620	10	350	0.21
12: VIS-CV5-AMP-092	160	14	14000	700	52	15000	73	1.3	150	72	78	0.19
13: VIS-CV5-AMP-093	63	45	19000	3100	320	7900	370	0.9	560	49	560	1.8
14: VIS-CV5-AMP-094	65	80	12000	1800	210	6200	180	0.3	830	53	210	0.58
15: VIS-CV5-AMP-095	76	100	13000	360	99	4500	260	0.6	870	92	180	0.71
16: VIS-CV5-AMP-096	40	120	13000	510	110	4700	290	0.4	720	33	240	0.66
17: VIS-CV5-AMP-097	71	62	16000	1300	230	6900	270	0.4	470	59	470	0.78
18: VIS-CV5-AMP-098	47	67	16000	410	140	7200	260	0.3	530	37	180	1.0
19: VIS-CV5-AMP-099	110	85	13000	2300	200	6100	280	1.0	890	79	110	1.2
20: VIS-CV5-AMP-100	93	120	21000	5100	650	13000	310	0.5	440	89	560	2.1
21: VIS-CV5-AMP-101	55	52	33000	3200	420	10000	460	1.0	450	76	860	1.3
22: VIS-CV5-AMP-102	55	31	26000	6400	440	8300	310	0.9	670	60	830	1.5
23: VIS-CV5-AMP-103	58	62	16000	790	150	7000	220	0.8	740	30	270	3.6
24: VIS-CV5-AMP-104	39	66	12000	1800	200	6700	220	0.6	810	22	330	0.72
25: VIS-CV5-AMP-105	46	220	54000	540	82	5000	640	1.9	300	22	170	3.0
26: VIS-CV5-AMP-106	39	110	8500	340	64	2800	240	0.6	740	38	200	1.9
27: VIS-CV5-AMP-107	30	70	11000	410	65	2300	310	0.5	580	45	170	0.69
28: VIS-CV5-AMP-108	24	180	15000	240	88	2500	470	0.3	460	42	170	11
29: VIS-CV5-AMP-109	26	150	16000	330	82	2600	220	0.3	820	45	160	0.80
30: VIS-CV5-AMP-110	36	110	11000	580	93	5100	200	0.2	510	47	140	0.65
31: VIS-CV5-AMP-111	63	97	17000	720	160	9000	340	0.2	500	58	150	1.4
32: VIS-CV5-AMP-112	38	66	12000	660	94	4900	200	0.3	1100	31	250	0.54
33: VIS-CV5-AMP-113	54	40	16000	470	330	12000	500	0.3	350	30	560	12
34: VIS-CV5-AMP-114	110	41	20000	740	200	13000	450	0.3	360	46	570	2.0

OnLine LIMS

00040550051

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11010-FEB25**

Sample ID	Cr µg/g	Cu µg/g	Fe µg/g	K µg/g	Li µg/g	Mg µg/g	Mn µg/g	Mo µg/g	Na µg/g	Ni µg/g	P µg/g	Pb µg/g
35: VIS-CV5-AMP-115	71	100	28000	500	110	8100	560	0.3	430	76	500	1.0
36: VIS-CV5-AMP-116	62	62	10000	960	170	5600	240	0.2	950	26	140	0.75
37: VIS-CV5-AMP-117	92	89	9800	470	140	7200	180	0.1	360	72	170	0.40
38: VIS-CV5-AMP-118	63	93	7700	470	110	5000	130	0.1	610	49	180	0.34
39: VIS-CV5-AMP-119	19	16	16000	1600	110	2900	110	0.9	420	3.0	440	0.66
40: VIS-CV5-AMP-120	32	110	10000	410	91	4200	480	0.3	680	42	180	0.62
41: VIS-CV5-AMP-121	30	100	7700	200	67	2000	200	0.5	1100	33	160	0.23
42: VIS-CV5-AMP-122	46	79	17000	2200	200	6800	180	0.7	500	42	300	1.7
43: VIS-CV5-AMP-123	82	22	19000	310	250	13000	310	0.2	400	41	480	2.2
44: VIS-CV5-AMP-124	51	68	9200	580	76	5900	200	0.4	600	23	200	4.3
45: VIS-CV5-AMP-125	57	72	12000	640	100	5100	220	0.3	560	50	180	1.9
46: VIS-CV5-AMP-126	63	58	25000	6800	520	8700	310	0.7	470	38	330	4.7
47: VIS-CV5-AMP-127	33	73	10000	380	140	3000	360	0.4	760	28	270	0.48
48: VIS-CV5-AMP-128	30	80	10000	240	130	2900	500	0.3	600	30	230	0.79
49: VIS-CV5-AMP-129	51	87	15000	350	230	5700	330	0.2	360	33	270	0.95
50: VIS-CV5-AMP-130	40	81	11000	280	97	3600	310	0.4	370	24	250	0.38
51: VIS-CV5-AMP-131	35	100	12000	510	77	3000	240	0.3	940	32	250	0.50
52: VIS-CV5-AMP-132	31	71	11000	490	68	3500	220	0.4	800	27	200	0.25

Sample ID	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti µg/g	Tl µg/g	U µg/g	V µg/g	Zn µg/g	Au µg/g	Ce µg/g	Cs µg/g
1: Analysis Start Date	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
2: Analysis Start Time	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19
3: Analysis Completed Date	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25
4: Analysis Completed Time	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	10:10	11:09	11:09	11:09
5: VIS-CV5-AMP-085	1.4	0.2	< 5	16	300	0.03	0.063	25	12	< 0.02	3.53	4
6: VIS-CV5-AMP-086	1.1	0.2	< 5	6.4	330	0.04	0.063	28	15	---	---	---
7: VIS-CV5-AMP-087	< 0.8	0.2	< 5	8.3	460	0.03	0.015	27	14	---	---	---
8: VIS-CV5-AMP-088	< 0.8	0.4	< 5	8.1	500	0.03	0.026	23	14	---	---	---
9: VIS-CV5-AMP-089	< 0.8	0.2	< 5	11	660	0.06	0.25	47	34	< 0.02	25.1	3
10: VIS-CV5-AMP-090	3.5	0.2	< 5	8.2	400	0.10	0.052	44	20	---	---	---
11: VIS-CV5-AMP-091	< 0.8	0.2	< 5	5.0	500	0.02	0.050	50	17	---	---	---
12: VIS-CV5-AMP-092	< 0.8	< 0.1	< 5	1.4	150	0.10	0.11	16	22	---	---	---
13: VIS-CV5-AMP-093	8.3	0.3	< 5	7.7	920	2.0	0.33	45	39	< 0.02	16.9	300

OnLine LIMS

00004055051

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti µg/g	Tl µg/g	U µg/g	V µg/g	Zn µg/g	Au µg/g	Ce µg/g	Cs µg/g
14: VIS-CV5-AMP-094	6.5	0.2	< 5	12	660	0.60	0.093	30	32	---	---	---
15: VIS-CV5-AMP-095	3.7	0.3	< 5	13	580	0.18	0.13	34	18	---	---	---
16: VIS-CV5-AMP-096	8.0	0.4	< 5	12	730	0.52	0.040	32	15	---	---	---
17: VIS-CV5-AMP-097	3.0	0.2	< 5	5.6	630	0.87	0.14	43	19	< 0.02	7.98	150
18: VIS-CV5-AMP-098	4.8	0.3	< 5	5.6	460	0.09	0.51	45	29	---	---	---
19: VIS-CV5-AMP-099	2.3	0.2	< 5	26	740	0.70	0.031	50	28	---	---	---
20: VIS-CV5-AMP-100	28	2.3	8	5.7	530	8.8	1.3	36	40	---	---	---
21: VIS-CV5-AMP-101	7.7	0.2	< 5	7.3	1000	2.0	0.19	58	52	< 0.02	16.7	320
22: VIS-CV5-AMP-102	2.2	0.1	< 5	9.7	1300	1.1	0.13	50	46	---	---	---
23: VIS-CV5-AMP-103	3.8	0.2	< 5	17	460	0.37	0.32	45	28	---	---	---
24: VIS-CV5-AMP-104	4.0	0.1	< 5	8.1	720	2.1	0.28	36	17	---	---	---
25: VIS-CV5-AMP-105	1.6	0.8	< 5	4.0	330	0.21	1.5	11	9.4	< 0.02	17.7	46
26: VIS-CV5-AMP-106	3.7	0.3	< 5	9.6	580	0.17	0.021	23	15	---	---	---
27: VIS-CV5-AMP-107	6.0	0.3	< 5	13	460	0.20	0.023	23	11	---	---	---
28: VIS-CV5-AMP-108	4.3	0.4	< 5	10	420	0.14	0.028	19	20	---	---	---
29: VIS-CV5-AMP-109	2.0	0.3	< 5	8.2	450	0.11	0.026	23	12	< 0.02	2.91	12
30: VIS-CV5-AMP-110	4.1	0.3	< 5	5.0	430	0.13	0.021	25	12	---	---	---
31: VIS-CV5-AMP-111	7.6	0.3	< 5	5.8	500	0.20	0.067	45	21	---	---	---
32: VIS-CV5-AMP-112	2.4	0.3	< 5	15	680	0.44	0.050	39	16	---	---	---
33: VIS-CV5-AMP-113	13	0.1	6	6.7	510	0.21	1.7	57	130	< 0.02	4.77	29
34: VIS-CV5-AMP-114	9.2	< 0.1	< 5	7.0	570	0.08	0.21	54	21	---	---	---
35: VIS-CV5-AMP-115	2.1	0.5	< 5	7.0	460	0.11	0.31	37	16	---	---	---
36: VIS-CV5-AMP-116	9.4	0.1	< 5	9.8	570	0.35	0.048	30	13	---	---	---
37: VIS-CV5-AMP-117	9.9	0.2	< 5	5.3	470	0.54	0.13	22	9.0	< 0.02	2.26	71
38: VIS-CV5-AMP-118	1.5	0.2	< 5	12	580	0.18	0.030	19	9.2	---	---	---
39: VIS-CV5-AMP-119	< 0.8	0.2	< 5	2.7	450	0.23	0.37	37	11	---	---	---
40: VIS-CV5-AMP-120	22	0.3	< 5	14	470	0.16	0.11	28	12	---	---	---
41: VIS-CV5-AMP-121	< 0.8	0.3	< 5	18	520	0.06	0.032	19	9.1	< 0.02	2.70	3
42: VIS-CV5-AMP-122	6.8	0.5	< 5	7.6	530	0.73	0.26	26	73	---	---	---
43: VIS-CV5-AMP-123	2.4	0.1	19	4.5	450	0.08	0.51	83	25	---	---	---
44: VIS-CV5-AMP-124	1.9	0.2	< 5	6.0	300	0.07	0.23	23	38	---	---	---
45: VIS-CV5-AMP-125	7.5	0.2	< 5	5.4	500	0.13	0.55	29	19	< 0.02	6.67	6
46: VIS-CV5-AMP-126	3.8	0.2	9	6.9	800	17	0.62	36	28	---	---	---
47: VIS-CV5-AMP-127	4.0	0.2	< 5	15	620	0.19	0.058	29	16	---	---	---

OnLine LIMS

0004055051

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti µg/g	Tl µg/g	U µg/g	V µg/g	Zn µg/g	Au µg/g	Ce µg/g	Cs µg/g
48: VIS-CV5-AMP-128	1.5	0.3	< 5	18	580	0.07	0.039	27	14	---	---	---
49: VIS-CV5-AMP-129	9.0	0.3	< 5	9.9	520	0.10	0.096	41	42	< 0.02	3.56	8
50: VIS-CV5-AMP-130	13	0.2	< 5	13	600	0.15	0.051	29	16	---	---	---
51: VIS-CV5-AMP-131	2.6	0.3	< 5	12	670	0.11	0.072	31	16	---	---	---
52: VIS-CV5-AMP-132	1.3	0.2	< 5	10	530	0.42	0.028	27	13	---	---	---

Sample ID	Dy µg/g	Er µg/g	Eu µg/g	Ga µg/g	Gd µg/g	Ge µg/g	Hf µg/g	Ho µg/g	In µg/g	Ir µg/g	La µg/g	Lu µg/g
1: Analysis Start Date	18-Mar-25	18-Mar-25	18-Mar-25	20-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	20-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
2: Analysis Start Time	21:19	21:19	21:19	14:17	21:19	21:19	21:19	21:19	14:17	21:19	21:19	21:19
3: Analysis Completed Date	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25
4: Analysis Completed Time	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09
5: VIS-CV5-AMP-085	0.27	0.17	0.086	2	0.30	0.4	< 0.1	0.060	< 0.01	< 0.01	1.48	0.035
6: VIS-CV5-AMP-086	---	---	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-AMP-087	---	---	---	---	---	---	---	---	---	---	---	---
8: VIS-CV5-AMP-088	---	---	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-AMP-089	0.86	0.35	0.42	5	1.76	1.0	< 0.1	0.14	0.01	< 0.01	10.8	0.047
10: VIS-CV5-AMP-090	---	---	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-AMP-091	---	---	---	---	---	---	---	---	---	---	---	---
12: VIS-CV5-AMP-092	---	---	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-AMP-093	0.51	0.25	0.25	4	0.93	0.9	< 0.1	0.095	< 0.01	< 0.01	7.92	0.033
14: VIS-CV5-AMP-094	---	---	---	---	---	---	---	---	---	---	---	---
15: VIS-CV5-AMP-095	---	---	---	---	---	---	---	---	---	---	---	---
16: VIS-CV5-AMP-096	---	---	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-AMP-097	0.35	0.19	0.14	4	0.52	0.6	< 0.1	0.070	< 0.01	< 0.01	3.45	0.033
18: VIS-CV5-AMP-098	---	---	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-AMP-099	---	---	---	---	---	---	---	---	---	---	---	---
20: VIS-CV5-AMP-100	---	---	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-AMP-101	0.58	0.26	0.29	7	1.07	1.5	0.1	0.099	< 0.01	< 0.01	7.47	0.032
22: VIS-CV5-AMP-102	---	---	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-AMP-103	---	---	---	---	---	---	---	---	---	---	---	---
24: VIS-CV5-AMP-104	---	---	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-AMP-105	0.35	0.19	0.24	2	0.77	1.8	< 0.1	0.065	< 0.01	< 0.01	9.18	0.036
26: VIS-CV5-AMP-106	---	---	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

00040550S1

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Dy µg/g	Er µg/g	Eu µg/g	Ga µg/g	Gd µg/g	Ge µg/g	Hf µg/g	Ho µg/g	In µg/g	Ir µg/g	La µg/g	Lu µg/g
27: VIS-CV5-AMP-107	---	---	---	---	---	---	---	---	---	---	---	---
28: VIS-CV5-AMP-108	---	---	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-AMP-109	0.30	0.19	0.077	2	0.30	0.5	< 0.1	0.064	< 0.01	< 0.01	1.36	0.042
30: VIS-CV5-AMP-110	---	---	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-AMP-111	---	---	---	---	---	---	---	---	---	---	---	---
32: VIS-CV5-AMP-112	---	---	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-AMP-113	0.69	0.38	0.11	14	0.77	0.6	< 0.1	0.13	0.03	< 0.01	1.96	0.061
34: VIS-CV5-AMP-114	---	---	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-AMP-115	---	---	---	---	---	---	---	---	---	---	---	---
36: VIS-CV5-AMP-116	---	---	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-AMP-117	0.25	0.15	0.065	3	0.25	0.4	< 0.1	0.052	< 0.01	< 0.01	1.11	0.029
38: VIS-CV5-AMP-118	---	---	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-AMP-119	---	---	---	---	---	---	---	---	---	---	---	---
40: VIS-CV5-AMP-120	---	---	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-AMP-121	0.33	0.23	0.080	2	0.30	0.3	< 0.1	0.074	< 0.01	< 0.01	1.21	0.051
42: VIS-CV5-AMP-122	---	---	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-AMP-123	---	---	---	---	---	---	---	---	---	---	---	---
44: VIS-CV5-AMP-124	---	---	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-AMP-125	0.26	0.16	0.097	2	0.38	0.4	< 0.1	0.058	< 0.01	< 0.01	3.44	0.031
46: VIS-CV5-AMP-126	---	---	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-AMP-127	---	---	---	---	---	---	---	---	---	---	---	---
48: VIS-CV5-AMP-128	---	---	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-AMP-129	0.35	0.24	0.095	4	0.38	0.6	< 0.1	0.081	< 0.01	< 0.01	1.69	0.053
50: VIS-CV5-AMP-130	---	---	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-AMP-131	---	---	---	---	---	---	---	---	---	---	---	---
52: VIS-CV5-AMP-132	---	---	---	---	---	---	---	---	---	---	---	---

Sample ID	Nb µg/g	Nd µg/g	Os µg/g	Pd µg/g	Pr µg/g	Pt µg/g	Rh µg/g	Rb µg/g	Re µg/g	Ru µg/g	Sm µg/g	Sc µg/g
1: Analysis Start Date	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	20-Mar-25
2: Analysis Start Time	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	21:19	14:17
3: Analysis Completed Date	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25
4: Analysis Completed Time	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09	11:09
5: VIS-CV5-AMP-085	< 0.1	1.5	< 0.1	< 0.2	0.41	< 0.1	< 0.01	3.41	< 0.05	< 0.01	0.29	3

OnLine LIMS

00040550051

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Nb µg/g	Nd µg/g	Os µg/g	Pd µg/g	Pr µg/g	Pt µg/g	Rh µg/g	Rb µg/g	Re µg/g	Ru µg/g	Sm µg/g	Sc µg/g
6: VIS-CV5-AMP-086	---	---	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-AMP-087	---	---	---	---	---	---	---	---	---	---	---	---
8: VIS-CV5-AMP-088	---	---	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-AMP-089	< 0.1	11.9	< 0.1	< 0.2	3.02	< 0.1	< 0.01	6.32	< 0.05	< 0.01	2.11	3
10: VIS-CV5-AMP-090	---	---	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-AMP-091	---	---	---	---	---	---	---	---	---	---	---	---
12: VIS-CV5-AMP-092	---	---	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-AMP-093	< 0.1	6.6	< 0.1	< 0.2	1.82	< 0.1	< 0.01	216	< 0.05	< 0.01	1.08	4
14: VIS-CV5-AMP-094	---	---	---	---	---	---	---	---	---	---	---	---
15: VIS-CV5-AMP-095	---	---	---	---	---	---	---	---	---	---	---	---
16: VIS-CV5-AMP-096	---	---	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-AMP-097	< 0.1	3.1	< 0.1	< 0.2	0.86	< 0.1	< 0.01	100	< 0.05	< 0.01	0.54	4
18: VIS-CV5-AMP-098	---	---	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-AMP-099	---	---	---	---	---	---	---	---	---	---	---	---
20: VIS-CV5-AMP-100	---	---	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-AMP-101	0.1	7.4	< 0.1	< 0.2	1.93	< 0.1	< 0.01	200	< 0.05	< 0.01	1.26	4
22: VIS-CV5-AMP-102	---	---	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-AMP-103	---	---	---	---	---	---	---	---	---	---	---	---
24: VIS-CV5-AMP-104	---	---	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-AMP-105	< 0.1	6.1	< 0.1	< 0.2	1.78	< 0.1	< 0.01	15.4	< 0.05	< 0.01	0.90	1
26: VIS-CV5-AMP-106	---	---	---	---	---	---	---	---	---	---	---	---
27: VIS-CV5-AMP-107	---	---	---	---	---	---	---	---	---	---	---	---
28: VIS-CV5-AMP-108	---	---	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-AMP-109	< 0.1	1.2	< 0.1	< 0.2	0.32	< 0.1	< 0.01	13.9	< 0.05	< 0.01	0.26	3
30: VIS-CV5-AMP-110	---	---	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-AMP-111	---	---	---	---	---	---	---	---	---	---	---	---
32: VIS-CV5-AMP-112	---	---	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-AMP-113	< 0.1	2.4	< 0.1	< 0.2	0.56	< 0.1	< 0.01	22.8	< 0.05	< 0.01	0.67	6
34: VIS-CV5-AMP-114	---	---	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-AMP-115	---	---	---	---	---	---	---	---	---	---	---	---
36: VIS-CV5-AMP-116	---	---	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-AMP-117	< 0.1	0.92	< 0.1	< 0.2	0.24	< 0.1	< 0.01	52.8	< 0.05	< 0.01	0.21	2
38: VIS-CV5-AMP-118	---	---	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-AMP-119	---	---	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00040550S1

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Nb µg/g	Nd µg/g	Os µg/g	Pd µg/g	Pr µg/g	Pt µg/g	Rh µg/g	Rb µg/g	Re µg/g	Ru µg/g	Sm µg/g	Sc µg/g
40: VIS-CV5-AMP-120	---	---	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-AMP-121	< 0.1	1.2	< 0.1	< 0.2	0.31	< 0.1	< 0.01	4.98	< 0.05	< 0.01	0.28	3
42: VIS-CV5-AMP-122	---	---	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-AMP-123	---	---	---	---	---	---	---	---	---	---	---	---
44: VIS-CV5-AMP-124	---	---	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-AMP-125	< 0.1	2.3	< 0.1	< 0.2	0.70	< 0.1	< 0.01	13.9	< 0.05	< 0.01	0.36	3
46: VIS-CV5-AMP-126	---	---	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-AMP-127	---	---	---	---	---	---	---	---	---	---	---	---
48: VIS-CV5-AMP-128	---	---	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-AMP-129	< 0.1	1.5	< 0.1	< 0.2	0.38	< 0.1	< 0.01	11.1	< 0.05	< 0.01	0.35	4
50: VIS-CV5-AMP-130	---	---	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-AMP-131	---	---	---	---	---	---	---	---	---	---	---	---
52: VIS-CV5-AMP-132	---	---	---	---	---	---	---	---	---	---	---	---

Sample ID	Ta µg/g	Tb µg/g	Te µg/g	Th µg/g	Tm µg/g
1: Analysis Start Date	18-Mar-25	20-Mar-25	18-Mar-25	18-Mar-25	20-Mar-25
2: Analysis Start Time	21:19	14:17	21:19	21:19	14:17
3: Analysis Completed Date	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25
4: Analysis Completed Time	11:09	11:09	11:09	11:09	11:09
5: VIS-CV5-AMP-085	< 0.01	0.049	< 0.1	0.32	0.027
6: VIS-CV5-AMP-086	---	---	---	---	---
7: VIS-CV5-AMP-087	---	---	---	---	---
8: VIS-CV5-AMP-088	---	---	---	---	---
9: VIS-CV5-AMP-089	< 0.01	0.21	< 0.1	1.7	0.043
10: VIS-CV5-AMP-090	---	---	---	---	---
11: VIS-CV5-AMP-091	---	---	---	---	---
12: VIS-CV5-AMP-092	---	---	---	---	---
13: VIS-CV5-AMP-093	< 0.01	0.11	< 0.1	1.8	0.035
14: VIS-CV5-AMP-094	---	---	---	---	---
15: VIS-CV5-AMP-095	---	---	---	---	---
16: VIS-CV5-AMP-096	---	---	---	---	---
17: VIS-CV5-AMP-097	< 0.01	0.077	< 0.1	0.65	0.029
18: VIS-CV5-AMP-098	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00040550S1

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Ta µg/g	Tb µg/g	Te µg/g	Th µg/g	Tm µg/g
19: VIS-CV5-AMP-099	---	---	---	---	---
20: VIS-CV5-AMP-100	---	---	---	---	---
21: VIS-CV5-AMP-101	0.02	0.13	0.2	1.4	0.034
22: VIS-CV5-AMP-102	---	---	---	---	---
23: VIS-CV5-AMP-103	---	---	---	---	---
24: VIS-CV5-AMP-104	---	---	---	---	---
25: VIS-CV5-AMP-105	< 0.01	0.088	0.2	4.8	0.024
26: VIS-CV5-AMP-106	---	---	---	---	---
27: VIS-CV5-AMP-107	---	---	---	---	---
28: VIS-CV5-AMP-108	---	---	---	---	---
29: VIS-CV5-AMP-109	< 0.01	0.050	< 0.1	0.21	0.030
30: VIS-CV5-AMP-110	---	---	---	---	---
31: VIS-CV5-AMP-111	---	---	---	---	---
32: VIS-CV5-AMP-112	---	---	---	---	---
33: VIS-CV5-AMP-113	0.02	0.14	< 0.1	1.8	0.059
34: VIS-CV5-AMP-114	---	---	---	---	---
35: VIS-CV5-AMP-115	---	---	---	---	---
36: VIS-CV5-AMP-116	---	---	---	---	---
37: VIS-CV5-AMP-117	< 0.01	0.044	< 0.1	0.16	0.021
38: VIS-CV5-AMP-118	---	---	---	---	---
39: VIS-CV5-AMP-119	---	---	---	---	---
40: VIS-CV5-AMP-120	---	---	---	---	---
41: VIS-CV5-AMP-121	< 0.01	0.055	< 0.1	0.16	0.035
42: VIS-CV5-AMP-122	---	---	---	---	---
43: VIS-CV5-AMP-123	---	---	---	---	---
44: VIS-CV5-AMP-124	---	---	---	---	---
45: VIS-CV5-AMP-125	< 0.01	0.050	< 0.1	0.94	0.025
46: VIS-CV5-AMP-126	---	---	---	---	---
47: VIS-CV5-AMP-127	---	---	---	---	---
48: VIS-CV5-AMP-128	---	---	---	---	---
49: VIS-CV5-AMP-129	< 0.01	0.064	< 0.1	0.22	0.039
50: VIS-CV5-AMP-130	---	---	---	---	---
51: VIS-CV5-AMP-131	---	---	---	---	---
52: VIS-CV5-AMP-132	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00040550S1

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
Mercury by CVAAS	ug/g	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	Y	N
Metals, ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	N
Metals, ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	Y

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00004055051

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Mercury by CVAAS - QCBatchID: EHG0031-MAR25													
Mercury	0.05	ug/g	<0.05			ND	20	90	80	120	102	70	130
Metals - Microwave/ICP-MS - QCBatchID: EMS0141-MAR25													
Cesium	0.01	µg/g	<0.001			9	20	107	70	130	NV	70	130
Dysprosium	0.001	µg/g	<0.001			7	20	92	70	130	NV	70	130
Erbium	0.001	µg/g	<0.001			4	20	91	70	130	NV	70	130
Europium	0.001	µg/g	<0.001			1	20	93	70	130	NV	70	130
Gadolinium	0.001	µg/g	<0.001			9	20	94	70	130	NV	70	130
Germanium	0.3	µg/g	<0.001			0	20	97	70	130	NV	70	130
Gold	0.02	µg/g	<0.001			1	20	96	70	130	NV	70	130
Hafnium	0.1	µg/g	<0.001			20	20	98	70	130	NV	70	130
Holmium	0.001	µg/g	<0.001			7	20	93	70	130	NV	70	130
Iridium	0.01	µg/g	<0.001			ND	20	104	70	130	NV	70	130
Lanthanum	0.001	µg/g	<0.001			8	20	95	70	130	NV	70	130
Lutetium	0.001	µg/g	<0.001			20	20	92	70	130	NV	70	130
Neodymium	0.006	µg/g	<0.001			11	20	94	70	130	NV	70	130
Niobium	0.1	µg/g	<0.001			4	20	108	70	130	NV	70	130
Osmium	0.1	µg/g	<0.001			1	20	93	70	130	NV	70	130
Palladium	0.2	µg/g	<0.001			ND	20	95	70	130	NV	70	130
Platinum	0.1	µg/g	<0.001			ND	20	104	70	130	NV	70	130
Praseodymium	0.001	µg/g	<0.001			12	20	95	70	130	NV	70	130
Rhenium	0.05	µg/g	<0.001			ND	20	97	70	130	NV	70	130
Rhodium	0.01	µg/g	<0.001			ND	20	95	70	130	NV	70	130
Rubidium	0.004	µg/g	<0.001			9	20	103	70	130	NV	70	130
Ruthenium	0.01	µg/g	<0.001			1	20	97	70	130	NV	70	130
Samarium	0.001	µg/g	<0.001			5	20	94	70	130	NV	70	130
Tantalum	0.01	µg/g	<0.001			ND	20	106	70	130	NV	70	130
Tellurium	0.1	µg/g	<0.01			ND	20	98	70	130	NV	70	130
Metals - Microwave/ICP-MS - QCBatchID: EMS0183-MAR25													
Cerium	0.001	µg/g	< 0.001			10	20	95	70	130			
Gallium	0.03	µg/g	< 0.03			1	20	97	70	130			
Indium	0.01	µg/g	< 0.01			ND	20	100	70	130			
Scandium	0.03	µg/g	< 0.03			9	20	102	70	130			
Terbium	0.001	µg/g	< 0.001			6	20	91	70	130			
Thulium	0.001	µg/g	< 0.001			1	20	87	70	130			
Metals, ICP-MS - QCBatchID: EMS0141-MAR25													

OnLine LIMS

00004550051

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11010-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Aluminum	3	µg/g	<3			7	20	97	70	130	84	70	130
Antimony	0.8	µg/g	<0.8			8	20	104	70	130	NV	70	130
Arsenic	0.5	µg/g	<0.5			6	20	101	70	130	88	70	130
Barium	0.01	µg/g	<0.01			4	20	100	70	130	75	70	130
Beryllium	0.02	µg/g	<0.02			10	20	99	70	130	91	70	130
Bismuth	0.09	µg/g	<0.09			16	20	93	70	130	NV	70	130
Boron	1	µg/g	<1			5	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			7	20	99	70	130	91	70	130
Calcium	3	µg/g	<3			8	20	102	70	130	84	70	130
Chromium	0.5	µg/g	<0.5			8	20	98	70	130	90	70	130
Cobalt	0.01	µg/g	<0.01			4	20	94	70	130	81	70	130
Copper	0.1	µg/g	<0.1			7	20	95	70	130	74	70	130
Iron	3	µg/g	<3			6	20	97	70	130	96	70	130
Lead	0.05	µg/g	<0.05			16	20	94	70	130	81	70	130
Lithium	2	µg/g	<2			5	20	97	70	130	87	70	130
Magnesium	3	µg/g	<1			10	20	102	70	130	92	70	130
Manganese	0.1	µg/g	<0.1			8	20	98	70	130	84	70	130
Molybdenum	0.1	µg/g	<0.1			11	20	94	70	130	94	70	130
Nickel	0.1	µg/g	<0.1			7	20	95	70	130	82	70	130
Phosphorus	3	µg/g	<3			4	20	105	70	130	NV	70	130
Potassium	3	µg/g	<3			8	20	101	70	130	79	70	130
Selenium	0.1	µg/g	<0.1			ND	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	96	70	130	90	70	130
Sodium	3	µg/g	<3			7	20	100	70	130	83	70	130
Strontium	0.02	µg/g	<0.02			8	20	97	70	130	80	70	130
Thallium	0.02	µg/g	<0.02			11	20	93	70	130	103	70	130
Thorium	0.01	µg/g	<0.5			ND	20	90	70	130	NV	70	130
Tin	5	µg/g	<5			ND	20	101	70	130	86	70	130
Titanium	0.1	µg/g	<0.1			12	20	100	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			7	20	95	70	130	73	70	130
Vanadium	1	µg/g	<1			ND	20	96	70	130	93	70	130
Zinc	0.7	µg/g	<0.7			9	20	94	70	130	82	70	130

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00004050051

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

16-April-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11011-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-085	6: VIS-CV5-AMP-086	7: VIS-CV5-AMP-087	8: VIS-CV5-AMP-088	9: VIS-CV5-AMP-089	10: VIS-CV5-AMP-090
Sample Date & Time					NA	NA	NA	NA	NA	NA
Sample weight [g]	19-Mar-25	13:55	24-Mar-25	11:13	21	20	21	20	20	20
Ext Fluid [#1 or #2]	19-Mar-25	15:39	24-Mar-25	11:13	1	1	1	1	1	1
Ext Volume [mL]	19-Mar-25	15:39	24-Mar-25	11:13	400	400	400	400	400	400
pH [No unit]	20-Mar-25	13:43	25-Mar-25	13:26	8.61	8.25	8.57	8.17	8.25	8.33
Conductivity [uS/cm]	20-Mar-25	13:43	25-Mar-25	13:27	63	62	61	59	63	69
Alkalinity [mg/L as CaCO3]	20-Mar-25	13:43	25-Mar-25	13:27	33	30	29	27	28	29
Acidity [mg/L as CaCO3]	20-Mar-25	13:43	25-Mar-25	13:27	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	20-Mar-25	14:55	25-Mar-25	13:55	< 0.06	< 0.06	< 0.06	0.08	< 0.06	< 0.06
Br [mg/L]	21-Mar-25	00:30	26-Mar-25	10:45	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	21-Mar-25	00:30	26-Mar-25	10:45	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	21-Mar-25	00:30	26-Mar-25	10:45	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	21-Mar-25	00:30	26-Mar-25	10:45	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	21-Mar-25	00:30	26-Mar-25	10:45	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	24-Mar-25	12:31	26-Mar-25	08:48	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	28-Mar-25	16:22	01-Apr-25	16:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	25-Mar-25	18:27	26-Mar-25	12:32	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	25-Mar-25	18:27	26-Mar-25	12:32	0.652	0.645	0.592	0.471	0.576	0.378

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-085	6: VIS-CV5-AMP-086	7: VIS-CV5-AMP-087	8: VIS-CV5-AMP-088	9: VIS-CV5-AMP-089	10: VIS-CV5-AMP-090
As [mg/L]	25-Mar-25	18:27	26-Mar-25	12:32	0.0016	0.0028	0.0021	0.0020	0.0016	0.0263
Ba [mg/L]	25-Mar-25	18:27	26-Mar-25	12:32	0.00076	0.00111	0.00060	0.00078	0.00442	0.00075
Be [mg/L]	25-Mar-25	18:27	26-Mar-25	12:32	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	25-Mar-25	18:27	26-Mar-25	12:33	0.027	0.024	0.025	0.030	0.027	0.033
Bi [mg/L]	25-Mar-25	18:27	26-Mar-25	12:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	25-Mar-25	18:27	26-Mar-25	12:33	7.01	6.84	7.01	7.38	5.84	6.78
Cd [mg/L]	25-Mar-25	18:27	26-Mar-25	12:33	0.000004	< 0.000003	0.000007	0.000005	< 0.000003	< 0.000003
Co [mg/L]	25-Mar-25	18:27	26-Mar-25	12:33	0.000098	0.000076	0.000020	0.000096	0.000048	0.000057
Cr [mg/L]	25-Mar-25	18:27	26-Mar-25	12:33	0.00052	0.00030	0.00012	0.00056	0.00019	0.00034
Cu [mg/L]	25-Mar-25	18:27	26-Mar-25	12:35	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	25-Mar-25	18:27	26-Mar-25	12:35	0.132	0.123	0.028	0.154	0.140	0.047
K [mg/L]	25-Mar-25	18:27	26-Mar-25	12:35	0.309	0.809	0.191	0.197	2.46	0.453
Li [mg/L]	25-Mar-25	18:27	26-Mar-25	12:35	0.0031	0.0074	0.0146	0.0065	0.0069	0.0246
Mg [mg/L]	25-Mar-25	18:27	26-Mar-25	12:35	0.799	0.768	0.614	0.653	0.624	0.772
Mn [mg/L]	25-Mar-25	18:27	26-Mar-25	12:35	0.00291	0.00182	0.00064	0.00344	0.00133	0.00136
Mo [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	< 0.0004	< 0.0004	0.0006	0.0005	< 0.0004	< 0.0004
Na [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	5.34	5.01	4.76	5.20	5.25	5.87
Ni [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	0.0003	0.0002	0.0001	0.0004	0.0002	0.0003
P [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	< 0.003	0.006	< 0.003	0.006	0.011	0.003
Pb [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	< 0.00009	0.00012	< 0.00009	< 0.00009	< 0.00009	0.00012
Sb [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	0.0025	0.0016	0.0010	0.0010	< 0.0009	0.0109
Se [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	0.00007	0.00013	0.00009	0.00007	0.00005	0.00024
Si [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	2.70	2.52	2.23	2.20	1.92	2.12
Sn [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	0.00838	0.00750	0.00776	0.00782	0.0124	0.0212
Ti [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	0.0048	0.0057	0.0009	0.0058	0.0070	0.0020
Tl [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	0.000068	0.000012	0.000008	0.000012	0.000010	0.000009
V [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	0.00615	0.00556	0.00413	0.00379	0.00324	0.00530
Zn [mg/L]	25-Mar-25	18:27	26-Mar-25	12:37	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	0.00002	---	---	---	0.00010	---
Cs [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	0.0001	---	---	---	0.0003	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004081364

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-085	6: VIS-CV5-AMP-086	7: VIS-CV5-AMP-087	8: VIS-CV5-AMP-088	9: VIS-CV5-AMP-089	10: VIS-CV5-AMP-090
Dy [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	< 0.00001	---
Er [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	< 0.00001	---
Eu [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	< 0.00001	---
Ga [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	0.0004	---	---	---	0.0006	---
Gd (tot) [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	0.00001	---
Ge [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	< 0.00001	---
In [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	< 0.00001	---
Ir [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	0.00004	---
Lu [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	0.00001	---	---	---	0.00007	---
Os [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Pr [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	0.00001	---
Pt [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	0.0007	---	---	---	0.0031	---
Re [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	0.00001	---
Sc [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	0.0001	---	---	---	< 0.0001	---
Ta [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	< 0.00001	---
Te [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	25-Mar-25	18:27	26-Mar-25	12:38	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	29-Mar-25	12:06	31-Mar-25	17:47	< 0.00001	---	---	---	< 0.00001	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004081364

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	11: VIS-CV5-AMP-091	12: VIS-CV5-AMP-092	13: VIS-CV5-AMP-093	14: VIS-CV5-AMP-094	15: VIS-CV5-AMP-095	16: VIS-CV5-AMP-096	17: VIS-CV5-AMP-097	18: VIS-CV5-AMP-098	19: VIS-CV5-AMP-099	20: VIS-CV5-AMP-100
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	20	20	20	20	20	20	20	20	21
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.19	8.03	8.42	8.00	8.20	8.01	8.04	7.97	8.09	9.07
Conductivity [uS/cm]	61	42	71	58	58	57	63	67	60	90
Alkalinity [mg/L as CaCO3]	30	21	29	26	29	28	28	27	27	29
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	0.33	0.63	< 0.06	< 0.06	0.08	0.06	0.06	0.64
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.455	0.166	0.461	0.359	0.572	0.529	0.350	0.401	0.542	0.253
As [mg/L]	0.0016	0.0343	0.0408	0.0071	0.0132	0.0130	0.0694	0.0305	0.0033	0.227
Ba [mg/L]	0.00113	0.00040	0.00163	0.00126	0.00056	0.00070	0.00089	0.00079	0.00145	0.00100
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000014
B [mg/L]	0.029	0.028	0.028	0.029	0.025	0.025	0.028	0.031	0.028	0.035
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00010
Ca [mg/L]	6.56	2.88	6.86	5.46	6.46	6.76	6.44	6.62	6.01	8.98
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000023	0.000055	0.000088	0.000024	0.000076	0.000049	0.000040	0.000108	0.000080	0.000085
Cr [mg/L]	< 0.00008	0.00104	0.00028	0.00030	0.00062	0.00057	0.00015	0.00050	0.00093	0.00051
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.042	0.104	0.079	0.042	0.078	0.054	0.025	0.140	0.094	0.068
K [mg/L]	0.544	0.258	1.51	0.963	0.214	0.202	0.778	0.552	1.10	2.19
Li [mg/L]	0.0110	0.0046	0.0562	0.0632	0.0184	0.0182	0.0377	0.0224	0.0445	0.161
Mg [mg/L]	0.545	1.13	0.771	0.655	0.540	0.527	0.592	0.780	0.544	1.35
Mn [mg/L]	0.00113	0.00153	0.00275	0.00130	0.00257	0.00173	0.00089	0.00327	0.00335	0.00302

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	11: VIS-CV5-AMP-091	12: VIS-CV5-AMP-092	13: VIS-CV5-AMP-093	14: VIS-CV5-AMP-094	15: VIS-CV5-AMP-095	16: VIS-CV5-AMP-096	17: VIS-CV5-AMP-097	18: VIS-CV5-AMP-098	19: VIS-CV5-AMP-099	20: VIS-CV5-AMP-100
Mo [mg/L]	< 0.0004	< 0.0004	0.0005	0.0008	< 0.0004	< 0.0004	0.0007	0.0005	< 0.0004	0.0014
Na [mg/L]	5.46	4.51	5.31	4.88	4.98	4.56	5.41	5.85	4.88	5.58
Ni [mg/L]	0.0001	0.0004	0.0002	0.0002	0.0004	0.0003	0.0001	0.0004	0.0003	0.0009
P [mg/L]	0.005	0.005	0.006	0.003	0.003	< 0.003	0.006	0.004	< 0.003	0.010
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0013	0.0248	0.0310	0.0053	0.0060	0.0100	0.0105	0.0046	0.0729
Se [mg/L]	0.00006	< 0.00004	0.00021	0.00012	0.00006	0.00006	0.00010	0.00041	0.00005	0.00155
Si [mg/L]	2.01	1.51	1.94	1.83	2.23	2.01	1.86	2.19	2.06	1.92
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00024	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00029
Sr [mg/L]	0.00648	0.00543	0.0102	0.00789	0.00712	0.00718	0.0119	0.00992	0.00930	0.0106
Ti [mg/L]	0.0013	0.0020	0.0052	0.0019	0.0034	0.0020	0.0013	0.0050	0.0061	0.0021
Tl [mg/L]	< 0.000005	< 0.000005	0.000021	0.000013	< 0.000005	< 0.000005	0.000005	0.000005	0.000008	0.000085
U [mg/L]	0.000074	0.000012	0.000030	0.000007	0.000117	0.000035	0.000009	0.000075	0.000025	0.000146
V [mg/L]	0.00492	0.00110	0.00300	0.00319	0.00491	0.00416	0.00518	0.00520	0.00422	0.00304
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ce [mg/L]	---	---	0.00007	---	---	---	0.00001	---	---	---
Cs [mg/L]	---	---	0.0140	---	---	---	0.0064	---	---	---
Dy [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Er [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Eu [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ga [mg/L]	---	---	0.0004	---	---	---	0.0004	---	---	---
Gd (tot) [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ge [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Hf [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ho [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
In [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ir [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
La [mg/L]	---	---	0.00004	---	---	---	< 0.00001	---	---	---
Lu [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nb [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nd [mg/L]	---	---	0.00004	---	---	---	< 0.00001	---	---	---
Os [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	11: VIS-CV5-AMP-091	12: VIS-CV5-AMP-092	13: VIS-CV5-AMP-093	14: VIS-CV5-AMP-094	15: VIS-CV5-AMP-095	16: VIS-CV5-AMP-096	17: VIS-CV5-AMP-097	18: VIS-CV5-AMP-098	19: VIS-CV5-AMP-099	20: VIS-CV5-AMP-100
Pd [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pr [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Pt [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Rh [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Rb [mg/L]	---	---	0.0333	---	---	---	0.0110	---	---	---
Re [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ru [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sc [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ta [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tb [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Te [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Th [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---

Analysis	21: VIS-CV5-AMP-101	22: VIS-CV5-AMP-102	23: VIS-CV5-AMP-103	24: VIS-CV5-AMP-104	25: VIS-CV5-AMP-105	26: VIS-CV5-AMP-106	27: VIS-CV5-AMP-107	28: VIS-CV5-AMP-108	29: VIS-CV5-AMP-109	30: VIS-CV5-AMP-110
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	21	20	20	20	20	20	21	21	21	19
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	7.96	9.00	8.17	9.09	6.04	9.07	8.99	8.67	8.70	8.93
Conductivity [uS/cm]	86	61	70	58	141	59	62	60	65	58
Alkalinity [mg/L as CaCO3]	28	27	28	37	3	29	39	28	30	37
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	14	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.26	0.21	0.20	0.56	< 0.06	< 0.06	< 0.06	0.17	< 0.06	0.08
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	59	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	21: VIS-CV5-AMP-101	22: VIS-CV5-AMP-102	23: VIS-CV5-AMP-103	24: VIS-CV5-AMP-104	25: VIS-CV5-AMP-105	26: VIS-CV5-AMP-106	27: VIS-CV5-AMP-107	28: VIS-CV5-AMP-108	29: VIS-CV5-AMP-109	30: VIS-CV5-AMP-110
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.311	0.484	0.406	0.500	< 0.001	0.369	0.311	0.373	0.336	0.488
As [mg/L]	0.0376	0.0207	0.0139	0.0406	< 0.0002	0.0442	0.0138	0.0038	0.0082	0.0507
Ba [mg/L]	0.00145	0.00193	0.00173	0.00174	0.00856	0.00065	0.00061	0.00059	0.00068	0.00125
Be [mg/L]	< 0.000007	< 0.000007	0.000015	0.000022	0.000023	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.029	0.032	0.027	0.026	0.046	0.025	0.028	0.024	0.023	0.026
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	8.90	5.85	7.58	6.47	14.1	6.58	7.31	7.34	8.18	6.09
Cd [mg/L]	< 0.000003	0.000003	0.000004	< 0.000003	0.000025	< 0.000003	0.000006	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000011	0.000061	0.000076	0.000099	0.0333	0.000025	< 0.000004	< 0.000004	0.000008	0.000125
Cr [mg/L]	< 0.00008	0.00026	0.00046	0.00038	< 0.00008	0.00013	0.00256	< 0.00008	0.00011	0.00071
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.016	0.112	0.097	0.136	2.30	0.009	< 0.007	< 0.007	0.017	0.189
K [mg/L]	1.42	2.78	0.902	0.789	0.452	0.163	0.248	0.131	0.155	0.534
Li [mg/L]	0.0662	0.102	0.0440	0.0476	0.0556	0.0194	0.0262	0.0271	0.0313	0.0174
Mg [mg/L]	0.934	0.549	0.758	0.619	3.45	0.557	0.463	0.526	0.501	0.761
Mn [mg/L]	0.00058	0.00237	0.00209	0.00301	0.313	0.00056	0.00024	0.00027	0.00067	0.00433
Mo [mg/L]	0.0009	0.0005	0.0036	0.0005	< 0.0004	0.0011	0.0011	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	5.31	5.21	4.70	4.58	4.32	4.97	4.79	4.30	4.78	5.05
Ni [mg/L]	0.0003	0.0004	0.0003	0.0004	0.0617	0.0003	0.0002	0.0001	0.0002	0.0006
P [mg/L]	0.005	0.014	0.005	0.006	< 0.003	0.005	< 0.003	< 0.003	0.003	0.004
Pb [mg/L]	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0187	0.0196	0.0122	0.0081	< 0.0009	0.0099	0.0191	0.0066	0.0047	0.0102
Se [mg/L]	0.00007	< 0.00004	0.00058	0.00006	0.00018	0.00016	0.00008	0.00006	0.00008	0.00013
Si [mg/L]	1.36	1.65	1.85	2.01	1.01	1.80	1.62	1.57	1.44	2.09
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00020
Sr [mg/L]	0.0142	0.00992	0.0150	0.00587	0.0204	0.00725	0.0108	0.00620	0.00552	0.00805
Ti [mg/L]	0.0011	0.0099	0.0047	0.0062	< 0.0001	0.0003	0.0002	0.0001	0.0006	0.0060
Tl [mg/L]	0.000008	0.000011	0.000007	0.000021	0.000018	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000006
U [mg/L]	0.000012	0.000016	0.000051	0.000028	0.000011	0.000031	0.000014	0.000009	0.000010	0.000033
V [mg/L]	0.00214	0.00273	0.0102	0.00388	< 0.00001	0.00345	0.00324	0.00242	0.00261	0.00399

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	21: VIS-CV5-AMP-101	22: VIS-CV5-AMP-102	23: VIS-CV5-AMP-103	24: VIS-CV5-AMP-104	25: VIS-CV5-AMP-105	26: VIS-CV5-AMP-106	27: VIS-CV5-AMP-107	28: VIS-CV5-AMP-108	29: VIS-CV5-AMP-109	30: VIS-CV5-AMP-110
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	0.00002	---	---	---	0.00015	---	---	---	< 0.00001	---
Cs [mg/L]	0.0274	---	---	---	0.0376	---	---	---	0.0017	---
Dy [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Er [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Eu [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ga [mg/L]	0.0004	---	---	---	< 0.0001	---	---	---	0.0002	---
Gd (tot) [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ge [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
In [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ir [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	0.00001	---	---	---	0.00026	---	---	---	< 0.00001	---
Lu [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	0.00001	---	---	---	0.00002	---	---	---	< 0.00001	---
Os [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pr [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Pt [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	0.0335	---	---	---	0.0098	---	---	---	0.0028	---
Re [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sc [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ta [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Te [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	31: VIS-CV5-AMP-11 1	32: VIS-CV5-AMP-11 2	33: VIS-CV5-AMP-11 3	34: VIS-CV5-AMP-11 4	35: VIS-CV5-AMP-11 5	36: VIS-CV5-AMP-11 6	37: VIS-CV5-AMP-11 7	38: VIS-CV5-AMP-11 8	39: VIS-CV5-AMP-11 9	40: VIS-CV5-AMP-12 0
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	21	20	21	20	19	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	9.36	9.32	8.90	9.25	8.88	9.32	9.21	9.45	8.72	9.26
Conductivity [uS/cm]	63	62	59	59	76	57	62	62	49	62
Alkalinity [mg/L as CaCO3]	31	31	31	31	27	30	33	32	28	32
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.38	0.21	< 0.06	< 0.06	0.13	0.12	0.06	< 0.06	0.08
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	< 0.03	0.04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.422	0.497	0.487	0.423	0.359	0.441	0.225	0.410	0.496	0.579
As [mg/L]	0.0354	0.0294	0.145	0.0654	0.0543	0.0248	0.180	0.0146	0.0071	0.0445
Ba [mg/L]	0.00070	0.00056	0.00061	0.00073	0.00135	0.00048	0.00060	0.00074	0.00181	0.00056
Be [mg/L]	< 0.000007	0.000012	0.000018	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.036	0.033	0.040	0.036	0.030	0.032	0.028	0.029	0.027	0.028
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.18	6.45	5.85	6.06	8.87	5.86	6.09	6.11	5.77	7.02
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000041	0.000066	0.000044	0.000012	0.000015	0.000035	0.000213	0.000136	0.000102	0.000005
Cr [mg/L]	0.00034	0.00037	0.00013	0.00017	0.00012	0.00040	0.00125	0.00171	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.058	0.073	0.031	0.016	0.010	0.046	0.112	0.155	0.270	< 0.007
K [mg/L]	0.608	0.566	0.630	0.578	0.413	0.607	0.438	0.283	0.750	0.507
Li [mg/L]	0.0256	0.0373	0.0508	0.0189	0.0203	0.0403	0.0282	0.0360	0.0432	0.0260
Mg [mg/L]	0.789	0.490	0.535	0.671	0.993	0.730	1.01	0.996	0.491	0.635
Mn [mg/L]	0.00151	0.00172	0.00107	0.00055	0.00056	0.00124	0.00244	0.00363	0.00353	0.00026

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	31: VIS-CV5-AMP-111	32: VIS-CV5-AMP-112	33: VIS-CV5-AMP-113	34: VIS-CV5-AMP-114	35: VIS-CV5-AMP-115	36: VIS-CV5-AMP-116	37: VIS-CV5-AMP-117	38: VIS-CV5-AMP-118	39: VIS-CV5-AMP-119	40: VIS-CV5-AMP-120
Mo [mg/L]	0.0005	< 0.0004	0.0005	< 0.0004	< 0.0004	0.0005	0.0006	< 0.0004	< 0.0004	< 0.0004
Na [mg/L]	5.65	5.85	5.63	5.62	4.85	5.37	6.37	6.09	4.31	5.45
Ni [mg/L]	0.0002	0.0002	0.0002	< 0.0001	0.0001	< 0.0001	0.0008	0.0005	< 0.0001	< 0.0001
P [mg/L]	< 0.003	0.010	0.014	0.013	0.016	0.007	0.005	0.009	0.012	0.009
Pb [mg/L]	< 0.00009	0.00028	0.00011	0.00011	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0141	0.0062	0.0208	0.0158	0.0028	0.0141	0.0229	0.0040	0.0021	0.0414
Se [mg/L]	0.00022	0.00006	0.00007	< 0.00004	0.00015	0.00008	0.00035	0.00011	0.00005	0.00037
Si [mg/L]	2.29	2.08	2.26	2.30	1.89	2.08	3.04	2.53	2.38	2.42
Sn [mg/L]	< 0.00006	0.00021	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00010	0.00020	< 0.00006	< 0.00006
Sr [mg/L]	0.00983	0.0133	0.0109	0.0204	0.0269	0.00818	0.0118	0.0115	0.00606	0.00798
Ti [mg/L]	0.0018	0.0032	0.0031	0.0004	0.0003	0.0015	0.0029	0.0049	0.0079	< 0.0001
Tl [mg/L]	< 0.000005	0.000006	0.000007	< 0.000005	< 0.000005	< 0.000005	0.000006	0.000007	0.000005	0.000006
U [mg/L]	0.000015	0.000024	0.000078	0.000020	0.000086	0.000012	0.000014	0.000010	0.000030	0.000070
V [mg/L]	0.00494	0.00501	0.00647	0.00557	0.00307	0.00355	0.00643	0.00394	0.00341	0.00556
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ce [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Cs [mg/L]	---	---	0.0135	---	---	---	0.0162	---	---	---
Dy [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Er [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Eu [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ga [mg/L]	---	---	0.0011	---	---	---	0.0002	---	---	---
Gd (tot) [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ge [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Hf [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ho [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
In [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ir [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
La [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Lu [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nb [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nd [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Os [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	31: VIS-CV5-AMP-111	32: VIS-CV5-AMP-112	33: VIS-CV5-AMP-113	34: VIS-CV5-AMP-114	35: VIS-CV5-AMP-115	36: VIS-CV5-AMP-116	37: VIS-CV5-AMP-117	38: VIS-CV5-AMP-118	39: VIS-CV5-AMP-119	40: VIS-CV5-AMP-120
Pd [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pr [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Pt [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Rh [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Rb [mg/L]	---	---	0.0122	---	---	---	0.0107	---	---	---
Re [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ru [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sc [mg/L]	---	---	< 0.0001	---	---	---	0.0001	---	---	---
Ta [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tb [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Te [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Th [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---

Analysis	41: VIS-CV5-AMP-121	42: VIS-CV5-AMP-122	43: VIS-CV5-AMP-123	44: VIS-CV5-AMP-124	45: VIS-CV5-AMP-125	46: VIS-CV5-AMP-126	47: VIS-CV5-AMP-127	48: VIS-CV5-AMP-128	49: VIS-CV5-AMP-129	50: VIS-CV5-AMP-130
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	20	20	21	21	20	20	21	20	21
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	9.24	8.77	9.33	9.09	8.92	9.21	9.15	8.84	9.26	9.11
Conductivity [uS/cm]	58	56	60	56	61	61	54	53	59	55
Alkalinity [mg/L as CaCO3]	32	28	30	30	31	32	28	29	32	30
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.06	0.07	< 0.06	0.11	0.64	< 0.06	< 0.06	< 0.06	0.14
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	7.79	< 3	4.73	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	8.22	< 6	< 6	< 6

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	41: VIS-CV5-AMP-121	42: VIS-CV5-AMP-122	43: VIS-CV5-AMP-123	44: VIS-CV5-AMP-124	45: VIS-CV5-AMP-125	46: VIS-CV5-AMP-126	47: VIS-CV5-AMP-127	48: VIS-CV5-AMP-128	49: VIS-CV5-AMP-129	50: VIS-CV5-AMP-130
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.597	0.730	0.381	0.661	0.659	0.767	0.600	0.573	0.578	0.682
As [mg/L]	0.0019	0.0073	0.0123	0.0118	0.0222	0.0399	0.0188	0.0041	0.0793	0.0175
Ba [mg/L]	0.00033	0.00174	0.00053	0.00068	0.00126	0.00095	0.00044	0.00039	0.00049	0.00044
Be [mg/L]	< 0.000007	0.000026	< 0.000007	< 0.000007	0.000016	0.000028	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.022	0.027	0.030	0.026	0.030	0.034	0.028	0.023	0.024	0.026
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.53	5.84	5.83	6.31	6.50	5.81	6.27	6.66	6.65	6.78
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000008	0.000138	0.000038	0.000081	0.000178	0.000092	0.000011	< 0.000004	0.000013	0.000008
Cr [mg/L]	0.00012	0.00070	0.00026	0.00073	0.00108	0.00063	< 0.00008	< 0.00008	0.00035	0.00013
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.010	0.213	0.044	0.131	0.204	0.215	0.014	0.012	0.012	0.009
K [mg/L]	0.125	1.56	0.391	0.471	0.557	2.56	0.391	0.169	0.342	0.183
Li [mg/L]	0.0269	0.0414	0.0342	0.0150	0.0243	0.115	0.0328	0.0305	0.0277	0.0280
Mg [mg/L]	0.542	0.774	0.625	0.863	0.745	0.620	0.634	0.504	0.658	0.635
Mn [mg/L]	0.00032	0.00385	0.00096	0.00344	0.00550	0.00356	0.00037	0.00045	0.00043	0.00030
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0021	0.0005	< 0.0004
Na [mg/L]	4.84	4.76	5.82	5.08	5.86	5.16	5.04	4.34	4.86	4.48
Ni [mg/L]	< 0.0001	0.0005	0.0001	0.0002	0.0006	0.0003	< 0.0001	< 0.0001	0.0002	< 0.0001
P [mg/L]	0.010	0.010	0.006	0.013	0.006	0.005	0.007	0.006	0.005	0.003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00012	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0164	0.0054	0.0030	0.0146	0.0050	0.0025	0.0020	0.0141	0.0245
Se [mg/L]	0.00005	0.00019	0.00025	0.00009	0.00016	0.00009	0.00006	0.00012	0.00020	0.00006
Si [mg/L]	2.12	2.55	2.31	2.90	3.09	2.39	2.38	1.99	2.28	2.56
Sn [mg/L]	< 0.00006	0.00013	0.00017	< 0.00006	< 0.00006	0.00011	< 0.00006	0.00008	0.00012	< 0.00006
Sr [mg/L]	0.00699	0.00643	0.0130	0.00732	0.00688	0.00561	0.00691	0.00873	0.00961	0.0103
Ti [mg/L]	0.0003	0.0086	0.0018	0.0042	0.0069	0.0072	0.0006	< 0.0001	0.0003	0.0003
Tl [mg/L]	< 0.000005	0.000012	< 0.000005	< 0.000005	0.000008	0.000227	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000071	0.000021	0.000025	0.000044	0.000448	0.000123	0.000015	0.000025	0.000031	0.000036
V [mg/L]	0.00441	0.00355	0.0127	0.00503	0.00522	0.00423	0.00560	0.00428	0.00592	0.00569

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	41: VIS-CV5-AMP-121	42: VIS-CV5-AMP-122	43: VIS-CV5-AMP-123	44: VIS-CV5-AMP-124	45: VIS-CV5-AMP-125	46: VIS-CV5-AMP-126	47: VIS-CV5-AMP-127	48: VIS-CV5-AMP-128	49: VIS-CV5-AMP-129	50: VIS-CV5-AMP-130
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	< 0.00001	---	---	---	0.00010	---	---	---	0.00002	---
Cs [mg/L]	0.0001	---	---	---	0.0014	---	---	---	0.0007	---
Dy [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
Er [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
Eu [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
Ga [mg/L]	0.0003	---	---	---	0.0004	---	---	---	0.0005	---
Gd (tot) [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
Ge [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
In [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
Ir [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	< 0.00001	---	---	---	0.00005	---	---	---	0.00002	---
Lu [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	< 0.00001	---	---	---	0.00005	---	---	---	0.00002	---
Os [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pr [mg/L]	< 0.00001	---	---	---	0.00001	---	---	---	0.00002	---
Pt [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	0.0007	---	---	---	0.0037	---	---	---	0.0025	---
Re [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
Sc [mg/L]	< 0.0001	---	---	---	0.0002	---	---	---	< 0.0001	---
Ta [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---
Te [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002	---

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Analysis	51: VIS-CV5-AMP-131	52: VIS-CV5-AMP-132	53: VIS-CV5-AMP-105	54: VIS-CV5-AMP-130	55:BLK: $SPLP1312 Blank #1	56: VIS-CV5-AMP-132
Sample Date & Time	NA	NA				
Sample weight [g]	21	20	20	---	---	20
Ext Fluid [#1 or #2]	1	1	1	---	1	1
Ext Volume [mL]	400	400	400	---	400	400
pH [No unit]	9.07	9.19	6.35	---	4.44	9.21
Conductivity [uS/cm]	55	61	150	---	22	60
Alkalinity [mg/L as CaCO3]	30	32	2	---	< 2	32
Acidity [mg/L as CaCO3]	< 2	< 2	9	---	5	< 2
F [mg/L]	<0.06	< 0.06	< 0.06	---	0.09	< 0.06
Br [mg/L]	< 30	< 30	< 30	---	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	---	< 20	< 20
SO4 [mg/L]	< 20	< 20	61	---	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	---	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	---	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	---	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	---	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	---	< 0.00005	< 0.00005
Al [mg/L]	0.591	0.534	0.006	---	< 0.001	0.559
As [mg/L]	0.0186	0.0039	< 0.0002	---	< 0.0002	0.0040
Ba [mg/L]	0.00058	0.00055	0.00758	---	0.00010	0.00065
Be [mg/L]	< 0.000007	< 0.000007	0.000015	---	< 0.000007	< 0.000007
B [mg/L]	0.023	0.035	0.042	---	< 0.002	0.035
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	---	< 0.00001	< 0.00001
Ca [mg/L]	7.14	6.38	13.4	---	0.02	6.50
Cd [mg/L]	< 0.000003	< 0.000003	0.000024	---	< 0.000003	0.000004
Co [mg/L]	0.000015	0.000009	0.0323	---	0.000004	0.000014
Cr [mg/L]	< 0.00008	< 0.00008	0.00294	---	< 0.00008	0.00017
Cu [mg/L]	< 0.001	< 0.001	< 0.001	---	< 0.001	< 0.001
Fe [mg/L]	0.020	0.012	2.43	---	< 0.007	0.014
K [mg/L]	0.345	0.289	0.412	---	0.020	0.344
Li [mg/L]	0.0175	0.0222	0.0482	---	< 0.0001	0.0225
Mg [mg/L]	0.556	0.522	3.18	---	0.002	0.524
Mn [mg/L]	0.00058	0.00035	0.293	---	0.00009	0.00042

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004081364

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-AMP-131	52: VIS-CV5-AMP-132	53: VIS-CV5-AMP-105	54: VIS-CV5-AMP-130	55:BLK: $SPLP1312 Blank #1	56: VIS-CV5-AMP-132
Mo [mg/L]	< 0.0004	< 0.0004	< 0.0004	---	0.0005	< 0.0004
Na [mg/L]	3.92	5.41	3.98	---	0.02	5.51
Ni [mg/L]	0.0001	< 0.0001	0.0603	---	< 0.0001	< 0.0001
P [mg/L]	< 0.003	0.006	0.006	---	< 0.003	0.006
Pb [mg/L]	< 0.00009	0.00013	< 0.00009	---	< 0.00009	0.00011
Sb [mg/L]	0.0053	0.0029	< 0.0009	---	< 0.0009	0.0028
Se [mg/L]	0.00011	0.00008	0.00017	---	< 0.00004	0.00007
Si [mg/L]	2.21	2.26	0.97	---	< 0.02	2.24
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	---	< 0.00006	< 0.00006
Sr [mg/L]	0.00845	0.00588	0.0193	---	< 0.00008	0.00592
Ti [mg/L]	0.0007	0.0004	< 0.0001	---	< 0.0001	0.0004
Tl [mg/L]	0.000009	< 0.000005	0.000017	---	< 0.000005	< 0.000005
U [mg/L]	0.000033	0.000016	0.000010	---	< 0.000002	0.000016
V [mg/L]	0.00448	0.00402	0.00002	---	< 0.00001	0.00405
Zn [mg/L]	< 0.002	< 0.002	< 0.002	---	< 0.002	< 0.002
Au [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Ce [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Cs [mg/L]	---	---	0.0352	---	< 0.0001	0.0068
Dy [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Er [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Eu [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Ga [mg/L]	---	---	< 0.0001	---	< 0.0001	0.0003
Gd (tot) [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Ge [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Hf [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Ho [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
In [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Ir [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
La [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Lu [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Nb [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Nd [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Os [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-AMP-131	52: VIS-CV5-AMP-132	53: VIS-CV5-AMP-105	54: VIS-CV5-AMP-130	55:BLK: $SPLP1312 Blank #1	56: VIS-CV5-AMP-132
Pd [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Pr [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Pt [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Rh [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Rb [mg/L]	---	---	0.0090	---	< 0.0001	0.0118
Re [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Ru [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Sm [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Sc [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Ta [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Tb [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001
Te [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Th [mg/L]	---	---	< 0.0001	---	< 0.0001	< 0.0001
Tm [mg/L]	---	---	< 0.00001	---	< 0.00001	< 0.00001

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	#1 or #2	NA	N	N
	g	NA	N	N
	mL	NA	N	N
Acidity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Alkalinity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	Y
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Fluoride by Specific Ion Electrode	mg/L	ME-CA-[ENV]EWL-LAK-AN-014	Y	Y
Inorganics-General	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	N
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	Y
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Reactive Phosphorus by SFA	mg/L	ME-CA-[ENV]SFA-LAK-AN-004	Y	N

OnLine LIMS

0004081364

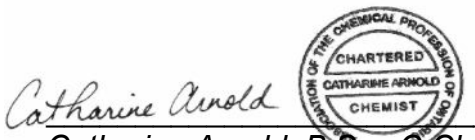
Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Acidity - QCBatchID: EWL0386-MAR25													
Acidity	2	mg/L as Ca	< 2			ND	20	100	90	110	NA		
Alkalinity - QCBatchID: EWL0386-MAR25													
Alkalinity	2	mg/L as Ca	< 2			4	20	100	80	120	NA		
Alkalinity - QCBatchID: EWL0420-MAR25													
Alkalinity	2	mg/L as Ca	< 2			1	20	98	80	120	NA		
Alkalinity - QCBatchID: EWL0446-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	106	80	120	NA		
Anions by IC - QCBatchID: DIO0451-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	98	90	110	102	75	125
Chloride	0.2	mg/L	<0.2			7	20	99	90	110	108	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	100	90	110	104	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	99	90	110	106	75	125
Sulphate	0.2	mg/L	<0.2			2	20	100	90	110	100	75	125
Anions by IC - QCBatchID: DIO0452-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	100	90	110	100	75	125
Chloride	0.2	mg/L	<0.2			16	20	99	90	110	105	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	100	90	110	103	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	99	90	110	105	75	125
Sulphate	0.2	mg/L	<0.2			5	20	100	90	110	100	75	125
Anions by IC - QCBatchID: DIO0482-MAR25													
Chloride	0.2	mg/L	<0.2			ND	20	98	90	110	94	75	125
Sulphate	0.2	mg/L	<0.2			0	20	100	90	110	101	75	125
Anions by IC - QCBatchID: DIO0509-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	103	90	110	100	75	125
Chloride	0.2	mg/L	<0.2			2	20	101	90	110	98	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	100	90	110	100	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	101	90	110	103	75	125
Sulphate	0.2	mg/L	<0.2			5	20	99	90	110	95	75	125
Anions by IC - QCBatchID: DIO0510-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	100	90	110	91	75	125
Chloride	0.2	mg/L	<0.2			9	20	103	90	110	100	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	100	90	110	101	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	100	90	110	102	75	125
Sulphate	0.2	mg/L	<0.2			14	20	102	90	110	98	75	125
Conductivity - QCBatchID: EWL0386-MAR25													

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0)
20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Conductivity	2	uS/cm	2			0	20	103	90	110	NA		
Conductivity - QCBatchID: EWL0446-MAR25													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Fluoride by Specific Ion Electrode - QCBatchID: EWL0392-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	99	90	110	104	75	125
Inorganics-General - QCBatchID: EHG0042-MAR25													
Mercury	0.00001	mg/L	< 0.00001			ND	20	122	80	120	122	70	130
Inorganics-General - QCBatchID: EHG0048-MAR25													
Mercury	0.00001	mg/L	< 0.00001			16	20	116	80	120	88	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0185-MAR25													
Aluminum	0.001	mg/L	<0.001			0	20	98	90	110	121	70	130
Antimony	0.0009	mg/L	<0.0009			1	20	109	90	110	88	70	130
Arsenic	0.0002	mg/L	<0.0002			2	20	101	90	110	82	70	130
Barium	0.00008	mg/L	<0.00008			2	20	96	90	110	96	70	130
Beryllium	0.000007	mg/L	<0.000007			ND	20	95	90	110	94	70	130
Bismuth	0.00001	mg/L	<0.00001			ND	20	98	90	110	90	70	130
Boron	0.002	mg/L	<0.002			1	20	96	90	110	98	70	130
Cadmium	0.000003	mg/L	<0.000003			ND	20	100	90	110	98	70	130
Calcium	0.01	mg/L	<0.01			1	20	96	90	110	100	70	130
Cesium	0.0001	mg/L	<0.0001			0	20	95	90	110	NV	70	130
Chromium	0.00008	mg/L	<0.00008			ND	20	102	90	110	100	70	130
Cobalt	0.000004	mg/L	<0.000004			ND	20	98	90	110	95	70	130
Copper	0.001	mg/L	<0.001			ND	20	102	90	110	98	70	130
Germanium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130
Gold	0.00001	mg/L	<0.00001			ND	20	99	90	110	NV	70	130
Hafnium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Iridium	0.00001	mg/L	<0.00001			ND	20	103	90	110	NV	70	130
Iron	0.007	mg/L	<0.007			6	20	100	90	110	125	70	130
Lead	0.00009	mg/L	<0.00009			ND	20	99	90	110	94	70	130
Lithium	0.0001	mg/L	<0.0001			0	20	94	90	110	100	70	130
Magnesium	0.001	mg/L	<0.001			0	20	101	90	110	88	70	130
Manganese	0.00001	mg/L	<0.00001			5	20	100	90	110	92	70	130
Molybdenum	0.0004	mg/L	<0.0004			ND	20	103	90	110	96	70	130
Nickel	0.0001	mg/L	<0.0001			8	20	103	90	110	96	70	130
Niobium	0.0001	mg/L	<0.0001			ND	20	109	90	110	NV	70	130
Osmium	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Palladium	0.0001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130
Phosphorus	0.003	mg/L	<0.003			0	20	95	90	110	NV	70	130
Platinum	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004081364

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Potassium	0.009	mg/L	<0.009			3	20	102	90	110	94	70	130
Rhenium	0.0001	mg/L	<0.0001			ND	20	94	90	110	NV	70	130
Rhodium	0.00001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Rubidium	0.0001	mg/L	< 0.0001			0	20	103	90	110	NV	70	130
Ruthenium	0.00001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Selenium	0.00004	mg/L	<0.00004			14	20	97	90	110	94	70	130
Silicon	0.02	mg/L	<0.02			4	20	93	90	110	NV	70	130
Silver	0.00005	mg/L	<0.00005			ND	20	100	90	110	80	70	130
Sodium	0.01	mg/L	<0.01			0	20	98	90	110	100	70	130
Strontium	0.00008	mg/L	<0.00008			2	20	97	90	110	93	70	130
Tantalum	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Tellurium	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130
Thallium	0.000005	mg/L	<0.000005			ND	20	99	90	110	95	70	130
Thorium	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tin	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130
Titanium	0.0001	mg/L	<0.0001			4	20	97	90	110	NV	70	130
Uranium	0.000002	mg/L	<0.000002			10	20	104	90	110	96	70	130
Vanadium	0.00001	mg/L	<0.00001			2	20	101	90	110	97	70	130
Zinc	0.002	mg/L	<0.002			ND	20	101	90	110	90	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0214-MAR25													
Aluminum	0.001	mg/L	<0.001			ND	20	102	90	110	112	70	130
Antimony	0.0009	mg/L	<0.0009			ND	20	105	90	110	110	70	130
Arsenic	0.0002	mg/L	<0.0002			2	20	109	90	110	98	70	130
Barium	0.00008	mg/L	<0.00008			ND	20	103	90	110	93	70	130
Beryllium	0.000007	mg/L	<0.000007			ND	20	105	90	110	101	70	130
Bismuth	0.00001	mg/L	<0.00001			ND	20	104	90	110	89	70	130
Boron	0.002	mg/L	<0.002			ND	20	97	90	110	100	70	130
Cadmium	0.000003	mg/L	<0.000003			ND	20	104	90	110	106	70	130
Calcium	0.01	mg/L	<0.01			ND	20	98	90	110	97	70	130
Cesium	0.0001	mg/L	<0.0001			3	20	101	90	110	NV	70	130
Chromium	0.00008	mg/L	<0.00008			ND	20	106	90	110	100	70	130
Cobalt	0.000004	mg/L	<0.000004			0	20	108	90	110	96	70	130
Copper	0.001	mg/L	<0.001			ND	20	109	90	110	98	70	130
Germanium	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Gold	0.00001	mg/L	<0.00001			ND	20	101	90	110	NV	70	130
Hafnium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Iridium	0.00001	mg/L	<0.00001			ND	20	102	90	110	NV	70	130
Iron	0.007	mg/L	<0.007			ND	20	104	90	110	100	70	130
Lead	0.00009	mg/L	<0.00009			ND	20	103	90	110	97	70	130

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Lithium	0.0001	mg/L	<0.0001			4	20	103	90	110	91	70	130
Magnesium	0.001	mg/L	<0.001			ND	20	102	90	110	100	70	130
Manganese	0.00001	mg/L	<0.00001			ND	20	105	90	110	107	70	130
Molybdenum	0.0004	mg/L	<0.0004			ND	20	102	90	110	95	70	130
Nickel	0.0001	mg/L	<0.0001			ND	20	108	90	110	100	70	130
Niobium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Osmium	0.0001	mg/L	<0.0001			ND	20	90	90	110	NV	70	130
Palladium	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Phosphorus	0.003	mg/L	<0.003			6	20	98	90	110	NV	70	130
Platinum	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Potassium	0.009	mg/L	<0.009			1	20	103	90	110	89	70	130
Rhenium	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Rhodium	0.00001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Rubidium	0.0001	mg/L	Error!			6	20	97	90	110	NV	70	130
Ruthenium	0.00001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130
Selenium	0.00004	mg/L	<0.00004			ND	20	103	90	110	83	70	130
Silicon	0.02	mg/L	<0.02			ND	20	92	90	110	NV	70	130
Silver	0.00005	mg/L	<0.00005			ND	20	106	90	110	78	70	130
Sodium	0.01	mg/L	<0.01			1	20	99	90	110	100	70	130
Strontium	0.00008	mg/L	<0.00008			ND	20	100	90	110	95	70	130
Tantalum	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tellurium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Thallium	0.000005	mg/L	<0.000005			ND	20	106	90	110	98	70	130
Thorium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Tin	0.00006	mg/L	<0.00006			ND	20	100	90	110	NV	70	130
Titanium	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Uranium	0.000002	mg/L	<0.000002			ND	20	102	90	110	99	70	130
Vanadium	0.00001	mg/L	<0.00001			ND	20	106	90	110	99	70	130
Zinc	0.002	mg/L	<0.002			ND	20	106	90	110	76	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0266-MAR25													
Cerium	0.00001	mg/L	<0.00001			ND	20	106	90	110	NV	70	130
Dysprosium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130
Erbium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130
Europium	0.00001	mg/L	<0.00001			7	20	103	90	110	NV	70	130
Gadolinium	0.00001	mg/L	<0.0001			ND	20	107	90	110	NV	70	130
Gallium	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Holmium	0.00001	mg/L	<0.00001			ND	20	103	90	110	NV	70	130
Indium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130
Lanthanum	0.00001	mg/L	<0.00001			ND	20	104	90	110	NV	70	130

OnLine LIMS

00040813164

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0)
20:1 L/S ratio, 18hr

LR Report : **CA11011-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Lutetium	0.0001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130
Neodymium	0.00001	mg/L	<0.00001			ND	20	106	90	110	NV	70	130
Praseodymium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130
Samarium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130
Terbium	0.00001	mg/L	<0.00001			ND	20	107	90	110	NV	70	130
Thulium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130
pH - QCBatchID: EWL0386-MAR25													
pH	0.05	No unit	NA			0		101			NA		
Reactive Phosphorus by SFA - QCBatchID: SKA0200-MAR25													
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			3	10	99	90	110	99	75	125
Reactive Phosphorus by SFA - QCBatchID: SKA0208-MAR25													
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			6	10	94	90	110	105	75	125

OnLine LIMS

0004081364

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-April-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11012-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-085	6: VIS-CV5-AMP-086	7: VIS-CV5-AMP-087	8: VIS-CV5-AMP-088	9: VIS-CV5-AMP-089	10: VIS-CV5-AMP-090	11: VIS-CV5-AMP-091
Sample Date & Time					NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	18-Mar-25	06:30	27-Mar-25	14:06	99	100	99	100	100	100	100
Volume D.I. Water [mL]	18-Mar-25	06:53	27-Mar-25	14:06	400	400	400	400	400	400	400
pH [No unit]	21-Mar-25	12:51	28-Mar-25	11:16	9.34	9.40	9.40	8.70	8.99	8.65	9.33
Conductivity [uS/cm]	21-Mar-25	12:51	28-Mar-25	11:16	138	148	134	201	191	296	137
Alkalinity [mg/L as CaCO3]	21-Mar-25	12:51	28-Mar-25	11:16	57	59	49	44	61	54	50
Acidity [mg/L as CaCO3]	21-Mar-25	12:51	31-Mar-25	17:20	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	26-Mar-25	07:53	28-Mar-25	09:14	0.24	0.27	0.15	0.16	0.51	0.56	0.32
Br [mg/L]	25-Mar-25	22:15	28-Mar-25	09:05	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	25-Mar-25	22:15	28-Mar-25	09:05	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	25-Mar-25	22:15	28-Mar-25	09:05	< 20	< 20	< 20	21	21	49	< 20
NO2 [as N mg/L]	25-Mar-25	22:15	28-Mar-25	09:05	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	25-Mar-25	22:15	28-Mar-25	09:05	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	26-Mar-25	15:46	28-Mar-25	08:23	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	27-Mar-25	15:06	02-Apr-25	10:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00015	< 0.00005
Al [mg/L]	29-Mar-25	11:40	03-Apr-25	12:48	0.743	0.459	0.759	0.214	0.549	0.139	0.670
As [mg/L]	29-Mar-25	11:40	03-Apr-25	12:48	0.0067	0.0233	0.0085	0.0092	0.0048	0.0659	0.0050
Ba [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	0.00077	0.00151	0.00065	0.00132	0.00511	0.00246	0.00137
Be [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	0.000014	< 0.000007
B [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	0.102	0.105	0.095	0.099	0.072	0.152	0.067
Bi [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11012-FEB25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-085	6: VIS-CV5-AMP-086	7: VIS-CV5-AMP-087	8: VIS-CV5-AMP-088	9: VIS-CV5-AMP-089	10: VIS-CV5-AMP-090	11: VIS-CV5-AMP-091
Ca [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	5.28	4.77	4.58	11.9	6.57	13.1	4.92
Cd [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	0.000005	0.000005	0.000004	0.000008	0.000008	0.000007	0.000003
Co [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	0.000052	0.000144	0.000044	0.000039	0.000240	0.000247	0.000039
Cr [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	0.00375	0.00242	0.00097	0.00093	0.00174	0.00222	0.00027
Cu [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	0.080	0.253	0.031	0.025	0.421	0.135	0.064
K [mg/L]	29-Mar-25	11:40	02-Apr-25	12:35	4.49	9.02	3.07	1.67	11.8	5.57	5.61
Li [mg/L]	29-Mar-25	11:40	03-Apr-25	12:49	0.165	0.138	0.669	0.311	0.0548	0.463	0.358
Mg [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	3.28	1.86	1.68	4.51	3.45	6.17	2.12
Mn [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.00164	0.00326	0.00094	0.00103	0.00281	0.00242	0.00112
Mo [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.0010	0.0028	0.0019	0.0028	0.0023	0.0025	0.0011
Na [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	12.7	16.3	15.5	16.2	16.9	28.4	15.3
Ni [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.0006	0.0012	0.0002	0.0003	0.0007	0.0012	0.0001
P [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.006	0.033	0.022	0.015	0.032	< 0.003	0.017
Pb [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	29-Mar-25	11:40	03-Apr-25	12:49	0.0285	0.0225	0.0064	0.0099	0.0012	0.142	0.0032
Se [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.00028	0.00036	0.00027	0.00018	0.00015	0.00151	0.00056
Si [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	3.01	3.87	2.55	3.04	2.47	4.16	2.50
Sn [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.00007	0.00017	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.00766	0.00684	0.00613	0.0135	0.0182	0.0468	0.00600
Ti [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.0022	0.0072	0.0009	0.0011	0.0174	0.0033	0.0029
Tl [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.000006	0.000238	0.000005	< 0.000005	0.000008	0.000032	0.000005
U [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.000209	0.000117	0.000021	0.000082	0.000100	0.000083	0.000036
V [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.0508	0.0500	0.0319	0.0203	0.0127	0.0152	0.0371
Zn [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
Ce [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	0.00002	---	---	---	0.00037	---	---
Cs [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.0014	---	---	---	0.0009	---	---
Dy [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	0.00002	---	---
Er [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
Eu [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
Ga [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	0.0041	---	---	---	0.0045	---	---
Gd (tot) [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	0.00004	---	---
Ge [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Hf [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Ho [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
In [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
Ir [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-085	6: VIS-CV5-AMP-086	7: VIS-CV5-AMP-087	8: VIS-CV5-AMP-088	9: VIS-CV5-AMP-089	10: VIS-CV5-AMP-090	11: VIS-CV5-AMP-091
La [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	0.00001	---	---	---	0.00017	---	---
Lu [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Nb [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Nd [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	0.00019	---	---
Os [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Pd [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Pr [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	0.00005	---	---
Pt [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Rh [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
Rb [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	0.0194	---	---	---	0.0120	---	---
Re [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Ru [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
Sm [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	0.00004	---	---
Sc [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	0.0001	---	---	---	0.0001	---	---
Ta [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Tb [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---
Te [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Th [mg/L]	29-Mar-25	11:40	02-Apr-25	12:36	< 0.0001	---	---	---	< 0.0001	---	---
Tm [mg/L]	29-Mar-25	12:06	02-Apr-25	12:36	< 0.00001	---	---	---	< 0.00001	---	---

Analysis	12: VIS-CV5-AMP-092	13: VIS-CV5-AMP-093	14: VIS-CV5-AMP-094	15: VIS-CV5-AMP-095	16: VIS-CV5-AMP-096	17: VIS-CV5-AMP-097	18: VIS-CV5-AMP-098	19: VIS-CV5-AMP-099	20: VIS-CV5-AMP-100	21: VIS-CV5-AMP-101	22: VIS-CV5-AMP-102
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	101	100	100	99	99	100	100	100	100	100	100
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400	400
pH [No unit]	9.45	9.05	9.40	9.22	9.10	8.76	8.99	9.00	8.51	8.12	8.70
Conductivity [uS/cm]	112	249	141	149	150	214	206	168	542	405	235
Alkalinity [mg/L as CaCO3]	61	67	55	50	48	58	54	62	57	70	50
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.35	2.67	2.96	0.89	1.53	1.01	0.73	1.26	14.2	2.36	2.14
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	38	< 20	< 20	< 20	21	27	< 20	120	73	35
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	0.04	0.04	0.09	0.07	0.08	0.10	< 0.03	< 0.03	0.10	< 0.03	0.09

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11012-FEB25**

Analysis	12: VIS-CV5-AMP-092	13: VIS-CV5-AMP-093	14: VIS-CV5-AMP-094	15: VIS-CV5-AMP-095	16: VIS-CV5-AMP-096	17: VIS-CV5-AMP-097	18: VIS-CV5-AMP-098	19: VIS-CV5-AMP-099	20: VIS-CV5-AMP-100	21: VIS-CV5-AMP-101	22: VIS-CV5-AMP-102
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00007	< 0.00005	< 0.00005	0.00008	< 0.00005	< 0.00005
Al [mg/L]	0.290	0.425	1.51	0.400	0.490	0.224	0.215	0.872	0.117	0.125	1.77
As [mg/L]	0.161	0.118	0.0672	0.166	0.384	0.404	0.121	0.0280	0.409	0.0349	0.0408
Ba [mg/L]	0.00079	0.00393	0.00826	0.00089	0.00132	0.00231	0.00168	0.00316	0.00530	0.00578	0.00965
Be [mg/L]	0.000008	0.000023	0.000050	0.000007	0.000011	0.000016	0.000038	0.000024	0.000025	0.000012	0.000074
B [mg/L]	0.053	0.114	0.091	0.085	0.094	0.158	0.148	0.116	0.155	0.119	0.129
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002	0.00014	< 0.00001	0.00002
Ca [mg/L]	3.64	7.85	2.78	5.76	5.84	8.32	9.64	3.72	21.4	18.1	5.05
Cd [mg/L]	0.000004	0.000004	0.000010	0.000010	0.000006	0.000006	0.000006	0.000010	0.000029	0.000006	0.000022
Co [mg/L]	0.000410	0.000500	0.001168	0.000143	0.000109	0.000388	0.000291	0.000594	0.000246	0.000116	0.00132
Cr [mg/L]	0.0124	0.00214	0.0121	0.00450	0.00265	0.00384	0.00161	0.0106	0.00282	0.00046	0.00428
Cu [mg/L]	< 0.001	< 0.001	0.004	< 0.001	< 0.001	< 0.001	< 0.001	0.002	0.002	< 0.001	0.002
Fe [mg/L]	0.399	0.374	1.15	0.092	0.070	0.230	0.238	0.467	0.145	0.076	1.79
K [mg/L]	2.49	14.1	10.0	2.83	4.54	6.89	4.58	12.9	33.8	16.6	25.1
Li [mg/L]	0.0597	1.43	1.97	0.858	1.57	0.878	0.361	1.63	6.19	1.76	2.43
Mg [mg/L]	5.60	3.49	1.69	1.98	2.04	3.12	3.60	1.51	16.1	8.77	2.34
Mn [mg/L]	0.00279	0.00924	0.0231	0.00265	0.00161	0.00475	0.00468	0.0128	0.00450	0.00377	0.0313
Mo [mg/L]	0.0020	0.0059	0.0013	0.0023	0.0040	0.0041	0.0032	0.0049	0.0183	0.0136	0.0040
Na [mg/L]	9.67	19.0	15.0	16.0	14.2	24.7	19.3	14.3	19.1	19.3	14.4
Ni [mg/L]	0.0019	0.0013	0.0037	0.0010	0.0004	0.0015	0.0010	0.0019	0.0020	0.0005	0.0037
P [mg/L]	0.019	0.014	0.046	0.004	0.005	0.010	0.012	0.013	0.022	0.007	0.045
Pb [mg/L]	< 0.00009	0.00010	0.00017	0.00061	< 0.00009	0.00009	< 0.00009	0.00023	< 0.00009	< 0.00009	0.00024
Sb [mg/L]	0.0140	0.351	0.220	0.103	0.297	0.146	0.153	0.0496	0.890	0.193	0.142
Se [mg/L]	0.00017	0.00094	0.00034	0.00018	0.00063	0.00082	0.00371	0.00017	0.00795	0.00035	0.00012
Si [mg/L]	5.58	3.16	5.34	3.28	2.96	4.08	4.07	3.54	4.59	2.52	4.65
Sn [mg/L]	0.00017	< 0.00006	< 0.00006	0.00008	< 0.00006	< 0.00006	< 0.00006	0.00011	0.00011	< 0.00006	0.00010
Sr [mg/L]	0.00736	0.0154	0.00533	0.00835	0.00910	0.0180	0.0187	0.00795	0.0338	0.0365	0.0125
Ti [mg/L]	0.0026	0.0178	0.0594	0.0030	0.0031	0.0088	0.0052	0.0268	0.0043	0.0044	0.136
Tl [mg/L]	0.000134	0.000079	0.000090	0.000005	0.000039	0.000047	0.000016	0.000183	0.000905	0.000045	0.000094
U [mg/L]	0.000035	0.000508	0.000164	0.00106	0.000084	0.000328	0.00164	0.000124	0.00280	0.000281	0.000090
V [mg/L]	0.0121	0.0166	0.0565	0.0477	0.0354	0.0305	0.0234	0.0602	0.0103	0.0051	0.0243
Zn [mg/L]	< 0.002	< 0.002	0.007	0.004	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	0.007
Au [mg/L]	---	< 0.00001	---	---	---	0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	---	0.00048	---	---	---	0.00012	---	---	---	0.00005	---
Cs [mg/L]	---	0.0705	---	---	---	0.0286	---	---	---	0.147	---
Dy [mg/L]	---	0.00002	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Er [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	12: VIS-CV5-AMP-092	13: VIS-CV5-AMP-093	14: VIS-CV5-AMP-094	15: VIS-CV5-AMP-095	16: VIS-CV5-AMP-096	17: VIS-CV5-AMP-097	18: VIS-CV5-AMP-098	19: VIS-CV5-AMP-099	20: VIS-CV5-AMP-100	21: VIS-CV5-AMP-101	22: VIS-CV5-AMP-102
Eu [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ga [mg/L]	---	0.0025	---	---	---	0.0015	---	---	---	0.0013	---
Gd (tot) [mg/L]	---	0.00003	---	---	---	0.00001	---	---	---	< 0.00001	---
Ge [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
In [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ir [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	---	0.00025	---	---	---	0.00006	---	---	---	0.00004	---
Lu [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	---	0.00019	---	---	---	0.00006	---	---	---	0.00003	---
Os [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pr [mg/L]	---	0.00005	---	---	---	0.00001	---	---	---	< 0.00001	---
Pt [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	---	0.311	---	---	---	0.0971	---	---	---	0.375	---
Re [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	---	0.00003	---	---	---	0.00001	---	---	---	< 0.00001	---
Sc [mg/L]	---	0.0002	---	---	---	0.0002	---	---	---	0.0001	---
Ta [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Te [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---

Analysis	23: VIS-CV5-AMP-103	24: VIS-CV5-AMP-104	25: VIS-CV5-AMP-105	26: VIS-CV5-AMP-106	27: VIS-CV5-AMP-107	28: VIS-CV5-AMP-108	29: VIS-CV5-AMP-109	30: VIS-CV5-AMP-110	31: VIS-CV5-AMP-111	32: VIS-CV5-AMP-112	33: VIS-CV5-AMP-113
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	99	99	99	99	100	99	100	101	101	99	100
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.66	8.95	8.86	5.67	8.09	9.04	8.12	8.80	8.43	9.07	8.87
Conductivity [uS/cm]	256	201	269	1270	474	230	236	204	257	171	218
Alkalinity [mg/L as CaCO3]	50	69	49	< 2	49	71	38	58	62	53	65

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	23: VIS-CV5-AMP-103	24: VIS-CV5-AMP-104	25: VIS-CV5-AMP-105	26: VIS-CV5-AMP-106	27: VIS-CV5-AMP-107	28: VIS-CV5-AMP-108	29: VIS-CV5-AMP-109	30: VIS-CV5-AMP-110	31: VIS-CV5-AMP-111	32: VIS-CV5-AMP-112	33: VIS-CV5-AMP-113
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	293	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	1.34	4.44	0.32	0.41	0.49	1.39	0.37	1.07	1.20	2.93	2.29
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	40	< 20	390	< 20	21	21	34	< 20	26	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	0.18	< 0.03	0.04	< 0.03	< 0.03	< 0.03	0.09	0.06	0.08	0.49
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.245	0.620	0.003	0.219	0.254	0.627	0.564	0.348	0.424	0.511	0.212
As [mg/L]	0.0411	0.548	0.0009	0.248	0.0201	0.0070	0.0432	0.285	0.236	0.201	1.53
Ba [mg/L]	0.00484	0.00455	0.0156	0.00095	0.00117	0.00270	0.00178	0.00537	0.00318	0.00265	0.00268
Be [mg/L]	0.000053	0.000077	0.000010	< 0.000007	0.000007	0.000017	0.000018	0.000019	0.000024	0.000072	0.000042
B [mg/L]	0.162	0.116	0.098	0.095	0.147	0.070	0.067	0.152	0.138	0.127	0.157
Bi [mg/L]	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Ca [mg/L]	12.5	5.21	93.4	6.60	6.52	11.8	15.1	5.86	8.71	4.84	8.36
Cd [mg/L]	0.000023	0.000005	0.000013	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000007	0.000005	< 0.000003	0.000007
Co [mg/L]	0.000227	0.000510	0.00100	0.000025	0.000015	0.000015	0.000062	0.000159	0.000465	0.000262	0.000439
Cr [mg/L]	0.00151	0.00238	0.00030	0.00150	0.00099	0.00071	0.00137	0.00315	0.00487	0.00390	0.00210
Cu [mg/L]	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.001	0.003	0.001	< 0.001
Fe [mg/L]	0.259	0.450	0.008	0.011	0.010	< 0.007	0.024	0.159	0.440	0.306	0.194
K [mg/L]	9.21	11.3	5.10	2.66	3.20	1.97	3.44	10.1	11.1	8.00	6.10
Li [mg/L]	1.06	1.74	1.18	0.631	0.949	1.25	1.62	0.847	1.05	1.34	1.47
Mg [mg/L]	4.97	2.08	59.0	1.70	1.41	2.42	4.31	2.42	5.89	1.85	4.12
Mn [mg/L]	0.00462	0.00958	0.225	0.00047	0.00031	0.00132	0.00190	0.00401	0.01026	0.00587	0.00672
Mo [mg/L]	0.0363	0.0013	0.0037	0.0019	0.0050	0.0008	0.0013	0.0015	0.0051	0.0015	0.0056
Na [mg/L]	16.9	23.8	9.65	15.1	16.0	17.6	16.3	21.4	22.0	17.6	22.3
Ni [mg/L]	0.0005	0.0012	0.0068	0.0004	0.0001	0.0003	0.0007	0.0008	0.0017	0.0007	0.0016
P [mg/L]	< 0.003	0.014	< 0.003	0.003	0.003	< 0.003	0.005	0.018	0.019	0.018	0.009
Pb [mg/L]	0.00013	0.00018	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00011	0.00023
Sb [mg/L]	0.155	0.166	0.0012	0.189	0.226	0.109	0.0576	0.167	0.300	0.0840	0.675
Se [mg/L]	0.00228	0.00024	0.00207	0.00079	0.00018	0.00019	0.00033	0.00063	0.00109	0.00026	0.00055
Si [mg/L]	3.77	4.49	4.94	3.92	3.44	1.86	1.71	3.22	3.77	3.80	3.19
Sn [mg/L]	< 0.00006	0.00010	< 0.00006	< 0.00006	< 0.00006	0.00043	< 0.00006	< 0.00006	< 0.00006	0.00140	0.00012
Sr [mg/L]	0.0270	0.00699	0.0976	0.0103	0.0144	0.0163	0.0129	0.0118	0.0247	0.0133	0.0228
Ti [mg/L]	0.0083	0.0217	0.0001	0.0005	0.0003	< 0.0001	0.0010	0.0044	0.0107	0.0152	0.0057
Tl [mg/L]	0.000042	0.000248	0.000011	0.000013	0.000010	0.000017	0.000017	0.000030	0.000193	0.000034	0.000043

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	23: VIS-CV5-AMP-103	24: VIS-CV5-AMP-104	25: VIS-CV5-AMP-105	26: VIS-CV5-AMP-106	27: VIS-CV5-AMP-107	28: VIS-CV5-AMP-108	29: VIS-CV5-AMP-109	30: VIS-CV5-AMP-110	31: VIS-CV5-AMP-111	32: VIS-CV5-AMP-112	33: VIS-CV5-AMP-113
U [mg/L]	0.00132	0.000713	0.000708	0.000013	0.000063	0.000125	0.000062	0.000064	0.000209	0.000170	0.00433
V [mg/L]	0.0267	0.0487	0.0001	0.0330	0.0295	0.00937	0.0123	0.0407	0.0265	0.0877	0.0270
Zn [mg/L]	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	---	---	0.00001	---	---	---	0.00001	---	---	---	0.00001
Ce [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002
Cs [mg/L]	---	---	0.194	---	---	---	0.0368	---	---	---	0.129
Dy [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Er [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Eu [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Ga [mg/L]	---	---	< 0.0001	---	---	---	0.0038	---	---	---	0.0027
Gd (tot) [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Ge [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Hf [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	0.0001
Ho [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
In [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Ir [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
La [mg/L]	---	---	0.00001	---	---	---	< 0.00001	---	---	---	0.00005
Lu [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Nb [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Nd [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00002
Os [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Pd [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Pr [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Pt [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Rh [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Rb [mg/L]	---	---	0.0856	---	---	---	0.102	---	---	---	0.119
Re [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Ru [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Sm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Sc [mg/L]	---	---	0.0002	---	---	---	< 0.0001	---	---	---	0.0002
Ta [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Tb [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001
Te [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Th [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001
Tm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	34: VIS-CV5-AMP-114	35: VIS-CV5-AMP-115	36: VIS-CV5-AMP-116	37: VIS-CV5-AMP-117	38: VIS-CV5-AMP-118	39: VIS-CV5-AMP-119	40: VIS-CV5-AMP-120	41: VIS-CV5-AMP-121	42: VIS-CV5-AMP-122	43: VIS-CV5-AMP-123	44: VIS-CV5-AMP-124
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	100	101	100	100	100	100	100	100	101	101	101
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.77	8.32	8.83	8.65	9.05	9.27	8.14	8.21	8.40	9.07	9.33
Conductivity [uS/cm]	195	376	147	162	137	154	172	120	291	196	176
Alkalinity [mg/L as CaCO3]	56	50	56	51	48	61	47	37	63	70	65
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.79	0.44	1.71	1.72	0.56	0.38	0.55	0.18	1.28	1.12	1.05
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	45	< 20	< 20	< 20	< 20	< 20	< 20	40	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	0.39	< 0.03	0.06	1.18	0.05	0.04	< 0.03	< 0.03	< 0.03	< 0.03	0.05
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.306	0.045	0.503	0.117	0.361	0.867	0.368	0.812	0.475	0.245	0.581
As [mg/L]	1.15	0.184	0.314	3.29	0.166	0.0351	0.109	0.0062	0.0320	0.0597	0.163
Ba [mg/L]	0.00252	0.00432	0.00206	0.00190	0.00192	0.00469	0.00135	0.00064	0.00598	0.00132	0.00132
Be [mg/L]	0.000072	0.000013	0.000014	0.000020	0.000009	0.000018	0.000012	< 0.000007	0.000028	0.000071	0.000014
B [mg/L]	0.126	0.115	0.176	0.082	0.101	0.054	0.084	0.058	0.113	0.134	0.165
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002	0.00002	< 0.00001
Ca [mg/L]	7.43	25.1	3.85	9.20	5.58	4.49	7.97	5.43	10.5	6.09	3.74
Cd [mg/L]	< 0.000003	0.000004	0.000003	0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003	0.000012	< 0.000003	< 0.000003
Co [mg/L]	0.000589	0.000168	0.000197	0.000540	0.000310	0.000547	0.000032	0.000008	0.000291	0.000298	0.000032
Cr [mg/L]	0.00509	0.00101	0.00472	0.0149	0.0166	0.00016	0.00104	0.00096	0.00163	0.00355	0.00913
Cu [mg/L]	< 0.001	0.001	< 0.001	0.001	0.002	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001
Fe [mg/L]	0.329	0.029	0.193	0.168	0.343	0.804	< 0.007	0.011	0.354	0.259	0.038
K [mg/L]	6.19	6.24	10.4	3.74	3.78	8.61	5.25	1.27	23.1	2.62	10.8
Li [mg/L]	0.282	0.398	1.49	0.812	1.79	1.07	0.600	0.992	1.20	0.453	0.911
Mg [mg/L]	3.39	13.7	1.27	3.79	2.48	1.29	2.26	1.18	4.37	2.40	1.68
Mn [mg/L]	0.00869	0.00352	0.00547	0.00352	0.00709	0.00867	0.00078	0.00031	0.00600	0.00459	0.00113
Mo [mg/L]	0.0016	0.0017	0.0011	0.0043	0.0008	0.0029	0.0013	0.0008	0.0051	0.0028	0.0021
Na [mg/L]	21.9	16.3	13.1	14.5	12.2	16.8	15.6	12.3	16.9	28.1	20.1
Ni [mg/L]	0.0015	0.0011	0.0005	0.0023	0.0013	0.0002	0.0002	< 0.0001	0.0010	0.0009	0.0002
P [mg/L]	0.011	< 0.003	< 0.003	0.006	0.013	0.032	< 0.003	0.005	0.012	0.016	0.003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00016	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009
Sb [mg/L]	0.360	0.0596	0.282	0.522	0.0416	0.0497	0.666	0.0085	0.290	0.0925	0.0641

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	34: VIS-CV5-AMP-114	35: VIS-CV5-AMP-115	36: VIS-CV5-AMP-116	37: VIS-CV5-AMP-117	38: VIS-CV5-AMP-118	39: VIS-CV5-AMP-119	40: VIS-CV5-AMP-120	41: VIS-CV5-AMP-121	42: VIS-CV5-AMP-122	43: VIS-CV5-AMP-123	44: VIS-CV5-AMP-124
Se [mg/L]	0.00035	0.00066	0.00019	0.00189	0.00024	0.00028	0.00102	0.00018	0.00123	0.00244	0.00029
Si [mg/L]	3.69	2.81	3.89	7.23	5.84	3.43	2.64	2.55	3.11	4.10	3.71
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00106	< 0.00006	< 0.00006	< 0.00006	0.00023	0.00006
Sr [mg/L]	0.0556	0.0671	0.00667	0.0175	0.00895	0.00795	0.0151	0.00811	0.0153	0.0164	0.00461
Ti [mg/L]	0.0131	0.0007	0.0091	0.0047	0.0164	0.0317	0.0003	0.0004	0.0192	0.0067	0.0012
Tl [mg/L]	0.000035	0.000010	0.000031	0.000048	0.000017	0.000025	0.000051	0.000031	0.000044	0.000095	0.000022
U [mg/L]	0.000151	0.00163	0.000315	0.000565	0.000059	0.00175	0.000487	0.000177	0.000527	0.000907	0.00106
V [mg/L]	0.0396	0.00551	0.0581	0.0696	0.0723	0.0392	0.0242	0.0422	0.0120	0.0560	0.0710
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003	< 0.002	< 0.002
Au [mg/L]	---	---	---	0.00002	---	---	---	< 0.00001	---	---	---
Ce [mg/L]	---	---	---	0.00002	---	---	---	< 0.00001	---	---	---
Cs [mg/L]	---	---	---	0.0650	---	---	---	0.0015	---	---	---
Dy [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Er [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Eu [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ga [mg/L]	---	---	---	0.0002	---	---	---	0.0041	---	---	---
Gd (tot) [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ge [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Hf [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ho [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
In [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ir [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
La [mg/L]	---	---	---	0.00005	---	---	---	< 0.00001	---	---	---
Lu [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nb [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nd [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Os [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pd [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pr [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Pt [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Rh [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Rb [mg/L]	---	---	---	0.0966	---	---	---	0.0112	---	---	---
Re [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ru [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sm [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sc [mg/L]	---	---	---	0.0003	---	---	---	< 0.0001	---	---	---
Ta [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tb [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	34: VIS-CV5-AMP-114	35: VIS-CV5-AMP-115	36: VIS-CV5-AMP-116	37: VIS-CV5-AMP-117	38: VIS-CV5-AMP-118	39: VIS-CV5-AMP-119	40: VIS-CV5-AMP-120	41: VIS-CV5-AMP-121	42: VIS-CV5-AMP-122	43: VIS-CV5-AMP-123	44: VIS-CV5-AMP-124
Te [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Th [mg/L]	---	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tm [mg/L]	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---

Analysis	45: VIS-CV5-AMP-125	46: VIS-CV5-AMP-126	47: VIS-CV5-AMP-127	48: VIS-CV5-AMP-128	49: VIS-CV5-AMP-129	50: VIS-CV5-AMP-130	51: VIS-CV5-AMP-131	52: VIS-CV5-AMP-132	53: VIS-CV5-AMP-100	54: VIS-CV5-AMP-132	55:BLK: CTEU Blank
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA			
Sample weight [g]	100	100	101	100	100	99	100	100	100	100	---
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.92	9.29	8.13	9.02	9.06	7.94	8.18	8.09	8.71	8.02	6.71
Conductivity [uS/cm]	222	184	145	134	193	122	158	134	539	133	3
Alkalinity [mg/L as CaCO3]	51	64	46	45	51	39	45	45	62	46	< 2
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2
F [mg/L]	1.26	6.64	0.40	0.19	0.61	1.27	0.49	0.46	14.5	0.44	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	22	< 20	< 20	< 20	< 20	< 20	< 20	< 20	120	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	0.20	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.08	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00008	< 0.00005	< 0.00005
Al [mg/L]	0.437	2.34	0.903	0.518	0.354	0.407	0.904	0.359	0.105	0.367	0.004
As [mg/L]	0.168	0.478	0.0853	0.0162	0.187	0.0666	0.0518	0.0142	0.406	0.0138	0.0002
Ba [mg/L]	0.00347	0.00439	0.00104	0.00083	0.00138	0.00095	0.00139	0.00473	0.00527	0.00532	< 0.00008
Be [mg/L]	0.000052	0.000178	0.000008	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000028	< 0.000007	< 0.000007
B [mg/L]	0.128	0.155	0.112	0.066	0.077	0.079	0.082	0.078	0.159	0.077	< 0.002
Bi [mg/L]	< 0.00001	0.00005	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00013	< 0.00001	< 0.00001
Ca [mg/L]	8.16	3.32	5.12	7.36	8.64	6.31	6.74	5.30	20.1	5.32	0.03
Cd [mg/L]	0.000009	0.000020	< 0.000003	0.000005	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000023	< 0.000003	< 0.000003
Co [mg/L]	0.000674	0.000906	0.000028	0.000013	0.000050	0.000027	0.000033	0.000013	0.000217	0.000018	0.000005
Cr [mg/L]	0.00459	0.00541	0.00112	0.00060	0.00092	0.00076	0.00308	0.00048	0.00270	0.00101	< 0.00008
Cu [mg/L]	0.002	0.003	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001
Fe [mg/L]	0.467	1.59	0.021	< 0.007	0.017	0.026	0.032	0.016	0.126	0.027	< 0.007
K [mg/L]	7.05	28.7	4.51	1.52	5.63	2.40	7.86	3.95	31.1	3.52	0.184
Li [mg/L]	0.620	2.55	1.47	1.17	1.19	1.04	1.60	0.636	6.01	0.656	0.0005

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004081414

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11012-FEB25**

Analysis	45: VIS-CV5-AMP-125	46: VIS-CV5-AMP-126	47: VIS-CV5-AMP-127	48: VIS-CV5-AMP-128	49: VIS-CV5-AMP-129	50: VIS-CV5-AMP-130	51: VIS-CV5-AMP-131	52: VIS-CV5-AMP-132	53: VIS-CV5-AMP-100	54: VIS-CV5-AMP-132	55:BLK: CTEU Blank
Mg [mg/L]	3.53	1.18	1.17	1.54	3.24	1.66	2.13	1.31	15.9	1.32	0.006
Mn [mg/L]	0.0120	0.0268	0.00071	0.00066	0.00082	0.00077	0.00083	0.00061	0.00416	0.00105	0.00018
Mo [mg/L]	0.0031	0.0028	0.0008	0.0100	0.0065	0.0008	0.0018	0.0014	0.0182	0.0013	< 0.0004
Na [mg/L]	25.1	9.32	12.5	13.2	17.9	9.99	13.5	15.0	18.7	15.1	0.32
Ni [mg/L]	0.0018	0.0024	0.0001	< 0.0001	0.0002	0.0002	0.0006	< 0.0001	0.0019	0.0003	< 0.0001
P [mg/L]	0.007	0.017	< 0.003	< 0.003	0.004	0.005	< 0.003	< 0.003	0.021	0.003	< 0.003
Pb [mg/L]	0.00013	0.00129	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.262	0.0960	0.0648	0.0436	0.255	0.482	0.0707	0.0340	0.920	0.0335	< 0.0009
Se [mg/L]	0.00072	0.00047	0.00020	0.00032	0.00073	0.00016	0.00020	0.00017	0.00852	0.00018	< 0.00004
Si [mg/L]	4.27	4.86	2.36	2.33	2.20	3.21	1.84	2.85	4.83	2.93	< 0.02
Sn [mg/L]	< 0.00006	0.00065	0.00047	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007	0.00010	0.00007	< 0.00006
Sr [mg/L]	0.0111	0.00406	0.00693	0.0122	0.0141	0.00993	0.00661	0.0466	0.0328	0.0471	0.00010
Ti [mg/L]	0.0211	0.0697	0.0009	0.0001	0.0008	0.0013	0.0016	0.0006	0.0039	0.0009	< 0.0001
Tl [mg/L]	0.000023	0.00192	0.000023	0.000008	0.000023	0.000017	0.000007	0.000017	0.000869	0.000018	< 0.000005
U [mg/L]	0.00712	0.00202	0.000080	0.000121	0.000253	0.000101	0.000190	0.000032	0.00288	0.000032	0.000003
V [mg/L]	0.0387	0.0394	0.0375	0.0216	0.0203	0.0398	0.0329	0.0310	0.00999	0.0310	< 0.00001
Zn [mg/L]	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	< 0.00001	---	---	---	0.00002	---	---	---	0.00004	< 0.00001	< 0.00001
Ce [mg/L]	0.00026	---	---	---	< 0.00001	---	---	---	0.00006	< 0.00001	< 0.00001
Cs [mg/L]	0.0042	---	---	---	0.0093	---	---	---	1.13	0.0264	0.0002
Dy [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	0.0016	---	---	---	0.0041	---	---	---	0.0005	0.0031	< 0.0001
Gd (tot) [mg/L]	0.00002	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Hf [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	0.0002	< 0.0001	< 0.0001
Ho [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	0.00014	---	---	---	0.00002	---	---	---	0.00008	< 0.00001	< 0.00001
Lu [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Nd [mg/L]	0.00010	---	---	---	< 0.00001	---	---	---	0.00002	< 0.00001	< 0.00001
Os [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Pd [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	0.00003	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

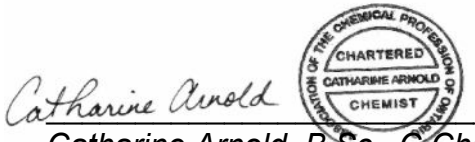
SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11012-FEB25**

Analysis	45: VIS-CV5-AMP-125	46: VIS-CV5-AMP-126	47: VIS-CV5-AMP-127	48: VIS-CV5-AMP-128	49: VIS-CV5-AMP-129	50: VIS-CV5-AMP-130	51: VIS-CV5-AMP-131	52: VIS-CV5-AMP-132	53: VIS-CV5-AMP-100	54: VIS-CV5-AMP-132	55:BLK: CTEU Blank
Rh [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	0.0503	---	---	---	0.0556	---	---	---	3.93	0.0874	0.0005
Re [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	0.0003	---	---	---	0.0002	---	---	---	0.0002	0.0001	< 0.0001
Ta [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	0.0002	< 0.0001	< 0.0001
Tb [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	< 0.00001	< 0.00001

Method Descriptions

Parameter	Units	SGS Method Code
	g	NA
	mL	NA
Acidity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006
Alkalinity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006
Fluoride by Specific Ion Electrode	mg/L	ME-CA-[ENV]EWL-LAK-AN-014
Inorganics-General	mg/L	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006
Reactive Phosphorus by SFA	mg/L	ME-CA-[ENV]SFA-LAK-AN-004



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Acidity - QCBatchID: EWL0413-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	104	90	110	NA		
Acidity - QCBatchID: EWL0478-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	102	90	110	NA		
Acidity - QCBatchID: EWL0523-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	96	90	110	NA		
Acidity - QCBatchID: EWL0549-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	104	90	110	NA		
Alkalinity - QCBatchID: EWL0413-MAR25													
Alkalinity	2	mg/L as Ca	< 2			6	20	102	80	120	NA		
Alkalinity - QCBatchID: EWL0478-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	98	80	120	NA		
Alkalinity - QCBatchID: EWL0523-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by IC - QCBatchID: DIO0548-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	101	90	110	98	75	125
Chloride	0.2	mg/L	<0.2			ND	20	103	90	110	103	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	101	90	110	100	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	100	90	110	100	75	125
Sulphate	0.2	mg/L	<0.2			9	20	102	90	110	96	75	125
Anions by IC - QCBatchID: DIO0549-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	103	90	110	100	75	125
Chloride	0.2	mg/L	<0.2			1	20	102	90	110	105	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	101	90	110	103	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	100	90	110	102	75	125
Sulphate	0.2	mg/L	<0.2			3	20	100	90	110	96	75	125
Anions by IC - QCBatchID: DIO0609-MAR25													
Bromide	0.3	mg/L	<0.3			NV	20	102	90	110	102	75	125
Chloride	0.2	mg/L	<0.2			NV	20	101	90	110	86	75	125
Nitrate (as N)	0.06	mg/L	<0.06			NV	20	101	90	110	103	75	125
Nitrite (as N)	0.03	mg/L	<0.03			NV	20	101	90	110	103	75	125
Sulphate	0.2	mg/L	<0.2			NV	20	100	90	110	96	75	125
Anions by IC - QCBatchID: DIO0610-MAR25													
Bromide	0.3	mg/L	<0.3			NV	20	100	90	110	99	75	125
Chloride	0.2	mg/L	<0.2			NV	20	102	90	110	90	75	125
Nitrate (as N)	0.06	mg/L	<0.06			NV	20	100	90	110	100	75	125

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Nitrite (as N)	0.03	mg/L	<0.03			NV	20	99	90	110	98	75	125
Sulphate	0.2	mg/L	<0.2			NV	20	101	90	110	93	75	125
Conductivity - QCBatchID: EWL0413-MAR25													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0478-MAR25													
Conductivity	2	uS/cm	< 2			0	20	106	90	110	NA		
Conductivity - QCBatchID: EWL0523-MAR25													
Conductivity	2	uS/cm	2			2	20	107	90	110	NA		
Fluoride by Specific Ion Electrode - QCBatchID: EWL0481-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	98	90	110	98	75	125
Fluoride by Specific Ion Electrode - QCBatchID: EWL0492-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	98	90	110	88	75	125
Fluoride by Specific Ion Electrode - QCBatchID: EWL0530-MAR25													
Fluoride	0.06	mg/L	<0.06			1	10	98	90	110	97	75	125
Inorganics-General - QCBatchID: EHG0053-MAR25													
Mercury	0.00001	mg/L	< 0.00001			ND	20	113	80	120	NV	70	130
Inorganics-General - QCBatchID: EHG0058-MAR25													
Mercury	0.00001	mg/L	< 0.00001			ND	20	115	80	120	120	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0021-APR25													
Aluminum	0.001	mg/L	<0.001			1	20	104	90	110	90	70	130
Antimony	0.0009	mg/L	<0.0009			1	20	101	90	110	113	70	130
Arsenic	0.0002	mg/L	<0.0002			3	20	103	90	110	86	70	130
Lithium	0.0001	mg/L	<0.0001			0	20	103	90	110	107	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0235-MAR25													
Aluminum	0.001	mg/L	<0.001			7	20	98	90	110	116	70	130
Antimony	0.0009	mg/L	<0.0009			ND	20	108	90	110	126	70	130
Arsenic	0.0002	mg/L	<0.0002			3	20	104	90	110	107	70	130
Barium	0.00008	mg/L	<0.00008			ND	20	97	90	110	97	70	130
Beryllium	0.000007	mg/L	<0.000007			ND	20	95	90	110	104	70	130
Bismuth	0.00001	mg/L	<0.00001			ND	20	94	90	110	98	70	130
Boron	0.002	mg/L	<0.002			ND	20	95	90	110	99	70	130
Cadmium	0.000003	mg/L	<0.000003			ND	20	99	90	110	95	70	130
Calcium	0.01	mg/L	<0.01			ND	20	94	90	110	96	70	130
Cesium	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Chromium	0.00008	mg/L	<0.00008			ND	20	103	90	110	94	70	130
Cobalt	0.000004	mg/L	<0.000004			ND	20	98	90	110	101	70	130
Copper	0.001	mg/L	<0.001			ND	20	99	90	110	101	70	130
Germanium	0.0001	mg/L	<0.0001			ND	20	106	90	110	NV	70	130
Gold	0.00001	mg/L	<0.00001			ND	20	98	90	110	NV	70	130

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Hafnium	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130
Iridium	0.00001	mg/L	<0.00001			ND	20	100	90	110	NV	70	130
Iron	0.007	mg/L	<0.007			ND	20	100	90	110	100	70	130
Lead	0.00009	mg/L	<0.00009			ND	20	105	90	110	99	70	130
Lithium	0.0001	mg/L	<0.0001			ND	20	98	90	110	106	70	130
Magnesium	0.001	mg/L	<0.001			0	20	97	90	110	98	70	130
Manganese	0.00001	mg/L	<0.00001			1	20	98	90	110	99	70	130
Molybdenum	0.0004	mg/L	<0.0004			ND	20	106	90	110	92	70	130
Nickel	0.0001	mg/L	<0.0001			ND	20	105	90	110	108	70	130
Niobium	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Osmium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Palladium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Phosphorus	0.003	mg/L	<0.003			ND	20	91	90	110	NV	70	130
Platinum	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Potassium	0.009	mg/L	<0.009			1	20	95	90	110	75	70	130
Rhenium	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130
Rhodium	0.00001	mg/L	<0.0001			ND	20	94	90	110	NV	70	130
Rubidium	0.0001	mg/L	< 0.0001			ND	20	105	90	110	NV	70	130
Ruthenium	0.00001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Selenium	0.00004	mg/L	<0.00004			ND	20	97	90	110	102	70	130
Silicon	0.02	mg/L	<0.02			ND	20	103	90	110	NV	70	130
Silver	0.00005	mg/L	<0.00005			ND	20	104	90	110	NV	70	130
Sodium	0.01	mg/L	<0.01			0	20	97	90	110	101	70	130
Strontium	0.00008	mg/L	<0.00008			8	20	97	90	110	99	70	130
Tantalum	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tellurium	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Thallium	0.000005	mg/L	<0.000005			ND	20	97	90	110	100	70	130
Thorium	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130
Tin	0.00006	mg/L	<0.00006			ND	20	103	90	110	NV	70	130
Titanium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Uranium	0.000002	mg/L	<0.000002			ND	20	101	90	110	95	70	130
Vanadium	0.00001	mg/L	<0.00001			ND	20	96	90	110	100	70	130
Zinc	0.002	mg/L	<0.002			ND	20	104	90	110	105	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0261-MAR25													
Aluminum	0.001	mg/L	<0.001			1	20	98	90	110	89	70	130
Antimony	0.0009	mg/L	<0.0009			ND	20	105	90	110	120	70	130
Arsenic	0.0002	mg/L	<0.0002			ND	20	103	90	110	106	70	130
Barium	0.00008	mg/L	<0.00008			3	20	101	90	110	99	70	130
Beryllium	0.000007	mg/L	<0.000007			ND	20	93	90	110	98	70	130

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

000408141

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Bismuth	0.00001	mg/L	<0.00001			ND	20	94	90	110	93	70	130
Boron	0.002	mg/L	<0.002			ND	20	91	90	110	97	70	130
Cadmium	0.000003	mg/L	<0.000003			ND	20	98	90	110	106	70	130
Calcium	0.01	mg/L	<0.01			1	20	109	90	110	93	70	130
Cesium	0.0001	mg/L	<0.0001			ND	20	108	90	110	NV	70	130
Chromium	0.00008	mg/L	<0.00008			ND	20	101	90	110	98	70	130
Cobalt	0.000004	mg/L	<0.000004			ND	20	101	90	110	101	70	130
Copper	0.001	mg/L	<0.001			ND	20	99	90	110	102	70	130
Germanium	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Gold	0.00001	mg/L	<0.00001			ND	20	93	90	110	NV	70	130
Hafnium	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130
Iridium	0.00001	mg/L	<0.00001			ND	20	97	90	110	NV	70	130
Iron	0.007	mg/L	<0.007			ND	20	108	90	110	114	70	130
Lead	0.00009	mg/L	<0.00009			ND	20	96	90	110	94	70	130
Lithium	0.0001	mg/L	<0.0001			ND	20	99	90	110	93	70	130
Magnesium	0.001	mg/L	<0.001			0	20	108	90	110	99	70	130
Manganese	0.00001	mg/L	<0.00001			1	20	101	90	110	74	70	130
Molybdenum	0.0004	mg/L	<0.0004			ND	20	103	90	110	99	70	130
Nickel	0.0001	mg/L	<0.0001			ND	20	103	90	110	104	70	130
Niobium	0.0001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130
Osmium	0.0001	mg/L	<0.0001			ND	20	94	90	110	NV	70	130
Palladium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Phosphorus	0.003	mg/L	<0.003			ND	20	105	90	110	NV	70	130
Platinum	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130
Potassium	0.009	mg/L	<0.009			1	20	107	90	110	93	70	130
Rhenium	0.0001	mg/L	<0.0001			ND	20	91	90	110	NV	70	130
Rhodium	0.00001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Rubidium	0.0001	mg/L	<0.0001			1	20	104	90	110	NV	70	130
Ruthenium	0.00001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Selenium	0.00004	mg/L	<0.00004			ND	20	100	90	110	110	70	130
Silicon	0.02	mg/L	<0.02			1	20	102	90	110	NV	70	130
Silver	0.00005	mg/L	<0.00005			ND	20	93	90	110	NV	70	130
Sodium	0.01	mg/L	<0.01			2	20	108	90	110	106	70	130
Strontium	0.00008	mg/L	<0.00008			0	20	98	90	110	97	70	130
Tantalum	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tellurium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Thallium	0.000005	mg/L	<0.000005			ND	20	95	90	110	96	70	130
Tin	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130
Titanium	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004081414

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Uranium	0.000002	mg/L	<0.000002			2	20	93	90	110	96	70	130	
Vanadium	0.00001	mg/L	<0.00001			0	20	100	90	110	103	70	130	
Zinc	0.002	mg/L	<0.002			ND	20	103	90	110	106	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0266-MAR25														
Cerium	0.00001	mg/L	<0.00001			ND	20	106	90	110	NV	70	130	
Cesium	0.0001	mg/L	<0.0001			2	20	104	90	110	NV	70	130	
Dysprosium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130	
Erbium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130	
Europium	0.00001	mg/L	<0.00001			7	20	103	90	110	NV	70	130	
Gadolinium	0.00001	mg/L	<0.0001			ND	20	107	90	110	NV	70	130	
Gallium	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130	
Holmium	0.00001	mg/L	<0.00001			ND	20	103	90	110	NV	70	130	
Indium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130	
Lanthanum	0.00001	mg/L	<0.00001			ND	20	104	90	110	NV	70	130	
Lutetium	0.0001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130	
Neodymium	0.00001	mg/L	<0.00001			ND	20	106	90	110	NV	70	130	
Praseodymium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130	
Rubidium	0.0001	mg/L	<0.0001			3	20	101	90	110	NV	70	130	
Samarium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130	
Terbium	0.00001	mg/L	<0.00001			ND	20	107	90	110	NV	70	130	
Thorium	0.0001	mg/L	<0.0001			ND	20	107	90	110	NV	70	130	
Thulium	0.00001	mg/L	<0.00001			ND	20	105	90	110	NV	70	130	
pH - QCBatchID: EWL0413-MAR25														
pH	0.05	No unit	NA			0		100			NA			
pH - QCBatchID: EWL0478-MAR25														
pH	0.05	No unit	NA			0		100			NA			
pH - QCBatchID: EWL0523-MAR25														
pH	0.05	No unit	NA			0		100			NA			
Reactive Phosphorus by SFA - QCBatchID: SKA0220-MAR25														
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			ND	10	95	90	110	78	75	125	
Reactive Phosphorus by SFA - QCBatchID: SKA0232-MAR25														
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			5	10	100	90	110	100	75	125	

OnLine LIMS

0004081414

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

12-March-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11013-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AM P-133	6: VIS-CV5-AM P-134	7: VIS-CV5-AM P-135	8: VIS-CV5-AM P-136	9: VIS-CV5-AM P-137	10: VIS-CV5-AM P-138
Sample Date & Time					NA	NA	NA	NA	NA	NA
Paste pH [no unit]	06-Mar-25	17:00	07-Mar-25	10:12	9.45	8.98	9.69	9.94	9.77	9.88
Fizz Rate [rating]	05-Mar-25	15:00	07-Mar-25	10:12	3	3	3	3	3	3
Sample weight [g]	05-Mar-25	13:33	07-Mar-25	10:12	2.02	2.01	2.03	2.02	2.01	2.03
HCl_add [mL]	06-Mar-25	14:00	07-Mar-25	10:12	20.00	20.00	20.00	27.90	20.00	20.00
HCl [Normality]	05-Mar-25	15:38	07-Mar-25	10:12	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	05-Mar-25	15:48	07-Mar-25	10:12	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Mar-25	16:10	07-Mar-25	10:12	10.99	14.69	13.30	12.09	13.18	13.56
Final pH [no unit]	06-Mar-25	16:00	07-Mar-25	10:12	1.74	1.59	1.45	1.63	1.58	1.60
NP [t CaCO3/1000 t]	06-Mar-25	16:35	07-Mar-25	10:12	22.3	13.2	16.5	39.1	17.0	15.9
AP [t CaCO3/1000 t]	07-Mar-25	11:49	07-Mar-25	11:49	10.4	26.6	0.50	1.22	5.75	0.31
Net NP [t CaCO3/1000 t]	07-Mar-25	11:49	07-Mar-25	11:49	11.9	-13.36	16.0	37.9	11.2	15.6
NP/AP [ratio]	07-Mar-25	11:49	07-Mar-25	11:49	2.15	0.50	33.0	32.1	2.96	51.3
S [%]	05-Mar-25	16:47	07-Mar-25	11:49	0.616	1.39	0.056	0.118	0.605	0.041
Acid Leachable SO4-S [%]	07-Mar-25	11:48	07-Mar-25	11:49	0.28	0.54	0.04	0.08	0.42	0.04
Sulphide [%]	07-Mar-25	11:23	07-Mar-25	11:49	0.33	0.85	0.02	0.04	0.18	< 0.01
C [%]	05-Mar-25	16:47	07-Mar-25	11:49	0.156	0.053	0.083	0.392	0.075	0.078

OnLine LIMS

000042717

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AM P-133	6: VIS-CV5-AM P-134	7: VIS-CV5-AM P-135	8: VIS-CV5-AM P-136	9: VIS-CV5-AM P-137	10: VIS-CV5-AM P-138
CO3 (HCl) as %CO3 [%]	10-Mar-25	14:44	10-Mar-25	16:18	0.78	0.26	0.42	1.96	0.36	0.37

Analysis	11: VIS-CV5-AM P-139	12: VIS-CV5-AM P-140	13: VIS-CV5-AM P-141	14: VIS-CV5-AM P-142	15: VIS-CV5-AM P-143	16: VIS-CV5-AM P-144	17: VIS-CV5-AM P-145	18: VIS-CV5-AM P-146	19: VIS-CV5-AM P-147	20: VIS-CV5-AM P-148
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paste pH [no unit]	9.92	9.13	9.26	9.74	9.65	9.74	9.78	9.75	10.17	10.12
Fizz Rate [rating]	3	3	3	2	3	3	2	2	3	3
Sample weight [g]	2.02	2.02	2.01	2.03	1.98	2.00	2.01	2.03	1.98	2.02
HCl_add [mL]	20.00	50.20	20.00	20.00	45.10	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.11	22.68	13.67	16.04	22.75	11.93	15.05	15.82	8.06	9.74
Final pH [no unit]	1.42	1.55	1.78	1.41	1.57	1.97	1.85	1.39	1.80	1.57
NP [t CaCO3/1000 t]	14.6	68.1	15.8	9.8	56.4	20.2	12.3	10.3	30.1	25.4
AP [t CaCO3/1000 t]	2.09	18.6	0.69	1.66	2.22	4.72	2.91	1.19	0.91	1.06
Net NP [t CaCO3/1000 t]	12.5	49.5	15.1	8.14	54.2	15.5	9.39	9.11	29.2	24.3
NP/AP [ratio]	6.97	3.67	23.0	5.92	25.4	4.28	4.23	8.67	33.2	23.9
S [%]	0.150	1.05	0.067	0.250	0.151	0.260	0.237	0.126	0.077	0.191
Acid Leachable SO4-S [%]	0.08	0.46	0.04	0.20	0.08	0.11	0.14	0.09	0.05	0.16
Sulphide [%]	0.07	0.59	0.02	0.05	0.07	0.15	0.09	0.04	0.03	0.03
C [%]	0.077	0.769	0.066	0.018	0.542	0.122	0.026	0.020	0.242	0.205
CO3 (HCl) as %CO3 [%]	0.40	3.84	0.35	0.09	2.70	0.63	0.11	0.12	1.21	0.97

Analysis	21: VIS-CV5-AM P-149	22: VIS-CV5-AM P-150	23: VIS-CV5-AM P-151	24: VIS-CV5-AM P-152	25: VIS-CV5-AM P-153	26: VIS-CV5-AM P-154	27: VIS-CV5-AM P-155	28: VIS-CV5-AM P-156	29: VIS-CV5-AM P-157	30: VIS-CV5-AM P-158
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paste pH [no unit]	9.92	9.67	9.92	10.00	9.25	9.87	9.81	10.05	10.03	9.96

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

000404717

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	21: VIS-CV5-AM P-149	22: VIS-CV5-AM P-150	23: VIS-CV5-AM P-151	24: VIS-CV5-AM P-152	25: VIS-CV5-AM P-153	26: VIS-CV5-AM P-154	27: VIS-CV5-AM P-155	28: VIS-CV5-AM P-156	29: VIS-CV5-AM P-157	30: VIS-CV5-AM P-158
Fizz Rate [rating]	3	2	3	2	2	2	3	3	3	3
Sample weight [g]	2.01	2.01	2.01	2.01	1.98	2.00	2.01	2.00	1.99	1.99
HCl_add [mL]	20.00	20.00	30.90	20.00	20.00	20.00	20.00	75.90	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.97	13.04	13.72	15.91	13.33	15.86	12.63	24.50	9.24	15.11
Final pH [no unit]	1.28	1.95	1.60	1.37	1.60	1.27	1.25	1.57	1.63	1.25
NP [t CaCO3/1000 t]	12.5	17.3	42.7	10.2	16.8	10.4	18.3	128	27.0	12.3
AP [t CaCO3/1000 t]	1.22	3.19	1.44	0.31	0.69	1.84	0.38	2.03	2.56	0.75
Net NP [t CaCO3/1000 t]	11.3	14.1	41.3	9.89	16.1	8.56	17.9	126	24.4	11.6
NP/AP [ratio]	10.3	5.43	29.7	32.9	24.4	5.64	48.8	63.3	10.5	16.4
S [%]	0.113	0.224	0.130	0.015	0.070	0.105	0.020	0.109	0.129	0.054
Acid Leachable SO4-S [%]	0.07	0.12	0.08	0.04	0.05	0.05	< 0.04	0.04	0.05	< 0.04
Sulphide [%]	0.04	0.10	0.05	< 0.01	0.02	0.06	0.01	0.06	0.08	0.02
C [%]	0.033	0.094	0.455	0.024	0.033	0.044	0.123	1.53	0.230	0.077
CO3 (HCl) as %CO3 [%]	0.16	0.40	2.22	0.08	0.14	0.10	0.43	7.52	1.05	0.25

Analysis	31: VIS-CV5-AM P-159	32: VIS-CV5-AM P-160	33: VIS-CV5-AM P-161	34: VIS-CV5-AM P-162	35: VIS-CV5-AM P-163	36: VIS-CV5-AM P-164	37: VIS-CV5-AM P-165	38: VIS-CV5-AM P-166	39: VIS-CV5-AM P-167	40: VIS-CV5-AM P-168
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paste pH [no unit]	9.80	9.80	10.11	9.95	8.98	9.92	9.53	9.92	9.02	9.83
Fizz Rate [rating]	3	3	3	2	3	2	2	3	3	3
Sample weight [g]	2.02	2.03	2.00	2.00	1.99	2.01	2.00	2.00	2.01	2.03
HCl_add [mL]	20.00	25.50	20.00	33.60	20.00	20.00	20.00	25.00	20.00	25.60
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.34	12.16	12.35	24.29	14.43	8.37	14.03	11.27	12.75	13.67
Final pH [no unit]	1.31	1.65	1.57	1.66	1.63	1.84	1.67	1.83	1.86	1.65
NP [t CaCO3/1000 t]	14.0	32.9	19.1	23.3	14.0	28.9	14.9	34.3	18.0	29.4

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004042717

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	31: VIS-CV5-AMP-159	32: VIS-CV5-AMP-160	33: VIS-CV5-AMP-161	34: VIS-CV5-AMP-162	35: VIS-CV5-AMP-163	36: VIS-CV5-AMP-164	37: VIS-CV5-AMP-165	38: VIS-CV5-AMP-166	39: VIS-CV5-AMP-167	40: VIS-CV5-AMP-168
AP [t CaCO3/1000 t]	1.44	0.91	4.28	2.81	92.8	2.22	1.38	0.81	21.4	0.53
Net NP [t CaCO3/1000 t]	12.6	32.0	14.8	20.5	-78.81	26.7	13.5	33.5	-3.38	28.9
NP/AP [ratio]	9.74	36.3	4.46	8.28	0.15	13.0	10.8	42.2	0.84	55.3
S [%]	0.096	0.050	0.297	0.155	4.02	0.127	0.067	0.091	0.789	0.025
Acid Leachable SO4-S [%]	0.05	< 0.04	0.16	0.06	1.05	0.06	< 0.04	0.06	0.10	< 0.04
Sulphide [%]	0.05	0.03	0.14	0.09	2.97	0.07	0.04	0.03	0.68	0.02
C [%]	0.058	0.294	0.123	0.098	0.092	0.261	0.035	0.293	0.073	0.226
CO3 (HCl) as %CO3 [%]	0.16	1.38	0.48	0.37	0.25	1.14	0.09	1.31	0.20	1.06

Analysis	41: VIS-CV5-AMP-169	42: VIS-CV5-AMP-170	43: VIS-CV5-AMP-171	44: VIS-CV5-AMP-172	45: VIS-CV5-AMP-173	46: VIS-CV5-AMP-174	47: VIS-CV5-AMP-175	48: VIS-CV5-AMP-176	49: VIS-CV5-AMP-177	50: VIS-CV5-AMP-178
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paste pH [no unit]	9.79	9.68	9.67	10.03	9.32	9.28	9.39	9.87	9.72	9.76
Fizz Rate [rating]	2	3	3	3	3	3	3	3	3	3
Sample weight [g]	1.99	2.02	2.03	2.03	2.01	2.01	2.00	2.02	2.00	1.99
HCl_add [mL]	20.00	20.00	20.00	36.80	28.00	32.30	20.00	20.00	20.00	20.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15.60	13.70	12.94	16.46	19.23	13.10	7.68	16.34	16.05	15.64
Final pH [no unit]	1.45	1.47	1.51	1.58	1.55	1.90	1.60	1.33	1.27	1.37
NP [t CaCO3/1000 t]	11.1	15.6	17.4	50.1	21.8	47.8	30.8	9.1	9.9	10.9
AP [t CaCO3/1000 t]	1.34	6.72	2.12	1.94	1.28	3.31	1.88	0.53	3.03	2.00
Net NP [t CaCO3/1000 t]	9.76	8.88	15.3	48.2	20.5	44.5	28.9	8.57	6.87	8.90
NP/AP [ratio]	8.26	2.32	8.19	25.9	17.0	14.4	16.4	17.1	3.27	5.45
S [%]	0.089	0.395	0.139	0.129	0.067	0.163	0.114	0.030	0.167	0.108
Acid Leachable SO4-S [%]	0.05	0.18	0.07	0.07	< 0.04	0.06	0.05	< 0.04	0.07	0.04
Sulphide [%]	0.04	0.22	0.07	0.06	0.04	0.11	0.06	0.02	0.10	0.06
C [%]	0.057	0.104	0.138	0.555	0.159	0.454	0.316	0.024	0.021	0.047
CO3 (HCl) as %CO3 [%]	0.12	0.36	0.51	2.65	0.65	2.13	1.44	< 0.04	< 0.04	0.04

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

000404217

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-AM P-179	52: VIS-CV5-AM P-180
Sample Date & Time	NA	NA
Paste pH [no unit]	9.62	9.26
Fizz Rate [rating]	3	3
Sample weight [g]	2.02	2.01
HCl_add [mL]	20.00	25.30
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13.51	18.62
Final pH [no unit]	1.57	1.57
NP [t CaCO3/1000 t]	16.1	16.6
AP [t CaCO3/1000 t]	3.44	4.94
Net NP [t CaCO3/1000 t]	12.7	11.7
NP/AP [ratio]	4.68	3.36
S [%]	0.207	0.264
Acid Leachable SO4-S [%]	0.10	0.11
Sulphide [%]	0.11	0.16
C [%]	0.084	0.021
CO3 (HCl) as %CO3 [%]	0.27	< 0.04

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	g	NA	N	N
	mL		N	N
	mL	NA	N	N
	no unit	NA	N	N
	Normality	NA	N	N
	rating	NA	N	N
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	N	N
	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	N	N
Acid Potential	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	Y	Y
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-019	Y	N
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-019	Y	Y

OnLine LIMS

0004042717

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11013-FEB25**

Parameter	Units	SGS Method Code	CALA	PALA
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-020	Y	N
Neutralization Potential	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	N	Y
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	Y	N

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

000042717

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Carbon/Sulphur - QCBatchID: ECS0018-MAR25														
Carbon (total)	0.005	%	<0.005			2	20				100	70	130	
Sulphur (total)	0.005	%	<0.005			0	20				108	70	130	
Carbon/Sulphur - QCBatchID: ECS0022-MAR25														
Sulphide	0.01	%	< 0.01			3	20	114	80	120				
Carbon/Sulphur - QCBatchID: ECS0028-MAR25														
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	100	80	120				

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

000404217

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

27-March-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11014-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-13 3	6: VIS-CV5-AMP-13 4	7: VIS-CV5-AMP-13 5	8: VIS-CV5-AMP-13 6	9: VIS-CV5-AMP-13 7	10: VIS-CV5-AMP-13 8
Sample Date & Time					NA	NA	NA	NA	NA	NA
Hg [ug/g]	05-Mar-25	17:12	05-Mar-25	17:13	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	12000	11000	9100	8200	11000	11000
As [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	3.2	350	85	15	26	4.6
B [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	10	2	9	4	5	7
Ba [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	15	3.5	6.8	7.3	12	8.2
Be [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	0.07	0.16	0.16	0.20	0.04	0.13
Bi [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	< 0.09	< 0.09	< 0.09	< 0.09	0.12	< 0.09
Ca [µg/g]	13-Mar-25	04:40	13-Mar-25	12:40	14000	5500	7800	18000	8800	9000
Cd [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.03	0.06	0.08	0.04	< 0.02	0.02
Co [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	18	20	14	12	16	7.4
Cr [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	39	21	87	35	38	44
Cu [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	214	243	72	82	48	68
Fe [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	18000	34000	11000	10000	15000	6900
K [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	760	230	390	370	1600	520
Li [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	120	140	150	82	110	74
Mg [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	3900	5100	7100	3800	4800	4600

OnLine LIMS

00040596S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-13 3	6: VIS-CV5-AMP-13 4	7: VIS-CV5-AMP-13 5	8: VIS-CV5-AMP-13 6	9: VIS-CV5-AMP-13 7	10: VIS-CV5-AMP-13 8
Mn [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	210	260	230	280	100	110
Mo [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.7	0.9	0.4	0.4	0.6	0.3
Na [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	540	600	400	800	550	890
Ni [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	34	3.8	51	32	30	18
P [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	320	460	170	320	430	150
Pb [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.65	1.8	3.2	0.81	0.45	0.50
Sb [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	1.4	8.3	3.5	2.3	< 0.8	< 0.8
Se [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.7	1.7	0.2	0.2	0.5	0.1
Sn [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	6.6	3.6	4.7	11	11	15
Ti [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	740	280	470	700	580	210
Tl [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.12	0.05	0.10	0.14	0.25	0.10
U [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.052	0.37	0.057	1.0	0.12	0.064
V [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	40	50	24	28	25	17
Zn [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	16	36	25	14	9.0	10
Au [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.02	---	---	---	< 0.02	---
Ce [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	5.90	---	---	---	10.8	---
Cs [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	18	---	---	---	160	---
Dy [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.56	---	---	---	0.54	---
Er [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.34	---	---	---	0.25	---
Eu [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.16	---	---	---	0.21	---
Ga [µg/g]	14-Mar-25	14:17	24-Mar-25	17:07	2	---	---	---	2	---
Gd [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.63	---	---	---	0.95	---
Ge [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.4	---	---	---	0.5	---
Hf [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.1	---	---	---	< 0.1	---
Ho [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.12	---	---	---	0.094	---
In [µg/g]	14-Mar-25	14:17	24-Mar-25	17:07	< 0.01	---	---	---	< 0.01	---
Ir [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.01	---	---	---	< 0.01	---
La [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	2.58	---	---	---	4.83	---
Lu [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.074	---	---	---	0.090	---
Nb [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.1	---	---	---	< 0.1	---
Nd [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	3.2	---	---	---	5.6	---
Os [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.1	---	---	---	< 0.1	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004059652

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-133	6: VIS-CV5-AMP-134	7: VIS-CV5-AMP-135	8: VIS-CV5-AMP-136	9: VIS-CV5-AMP-137	10: VIS-CV5-AMP-138
Pd [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.2	---	---	---	< 0.2	---
Pr [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.75	---	---	---	1.36	---
Pt [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.1	---	---	---	< 0.1	---
Rh [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.01	---	---	---	< 0.01	---
Rb [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	22.0	---	---	---	25.9	---
Re [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.08	---	---	---	0.08	---
Ru [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.01	---	---	---	< 0.01	---
Sm [µg/g]	14-Mar-25	14:17	24-Mar-25	17:07	0.62	---	---	---	1.07	---
Sc [µg/g]	14-Mar-25	14:17	24-Mar-25	17:07	4	---	---	---	2	---
Ta [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.01	---	---	---	< 0.01	---
Tb [µg/g]	14-Mar-25	14:17	24-Mar-25	17:07	0.092	---	---	---	0.12	---
Te [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	< 0.1	---	---	---	< 0.1	---
Th [µg/g]	13-Mar-25	04:40	24-Mar-25	17:07	0.35	---	---	---	0.84	---
Tm [µg/g]	14-Mar-25	14:17	24-Mar-25	17:07	0.045	---	---	---	0.031	---

Analysis	11: VIS-CV5-AMP-139	12: VIS-CV5-AMP-140	13: VIS-CV5-AMP-141	14: VIS-CV5-AMP-142	15: VIS-CV5-AMP-143	16: VIS-CV5-AMP-144	17: VIS-CV5-AMP-145	18: VIS-CV5-AMP-146	19: VIS-CV5-AMP-147	20: VIS-CV5-AMP-148
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11000	8100	18000	11000	15000	18000	19000	10000	9600	7700
As [µg/g]	27	8.2	25	1.2	420	8.9	2.0	14	2.4	5.7
B [µg/g]	34	2	2	2	6	5	3	2	3	3
Ba [µg/g]	15	3.4	4.6	14	8.5	11	5.8	6.8	19	11
Be [µg/g]	0.10	0.03	0.58	0.16	0.90	0.13	0.08	0.09	0.13	0.20
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	0.10	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	11000	26000	4600	9000	26000	17000	14000	6100	16000	14000
Cd [µg/g]	0.03	< 0.02	< 0.02	0.03	0.11	0.04	0.02	0.04	0.14	0.04
Co [µg/g]	11	13	21	12	28	17	9.8	16	7.4	12
Cr [µg/g]	29	35	6.2	25	68	42	22	35	49	27
Cu [µg/g]	88	166	17	105	81	103	112	111	108	102

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004059652

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11014-FEB25**

Analysis	11: VIS-CV5-AMP-139	12: VIS-CV5-AMP-140	13: VIS-CV5-AMP-141	14: VIS-CV5-AMP-142	15: VIS-CV5-AMP-143	16: VIS-CV5-AMP-144	17: VIS-CV5-AMP-145	18: VIS-CV5-AMP-146	19: VIS-CV5-AMP-147	20: VIS-CV5-AMP-148
Fe [µg/g]	9200	28000	34000	11000	25000	13000	7300	12000	6200	8800
K [µg/g]	700	130	320	400	500	450	210	490	440	340
Li [µg/g]	88	79	180	78	230	110	54	120	70	64
Mg [µg/g]	3100	4400	13000	3500	8200	4700	2600	7000	3600	2600
Mn [µg/g]	170	850	490	160	850	220	99	200	180	200
Mo [µg/g]	0.3	0.4	0.4	0.3	0.6	0.3	2.0	0.2	0.2	0.3
Na [µg/g]	730	500	470	1100	620	1100	1500	640	630	940
Ni [µg/g]	31	22	12	32	52	55	34	69	28	32
P [µg/g]	280	220	360	260	330	210	150	140	180	280
Pb [µg/g]	1.4	0.20	0.66	0.17	4.0	1.1	0.49	0.79	0.55	0.38
Sb [µg/g]	4.8	< 0.8	0.8	1.1	8.7	1.2	< 0.8	8.1	< 0.8	< 0.8
Se [µg/g]	0.2	0.8	< 0.1	0.3	0.3	0.3	0.3	0.2	0.2	0.3
Sn [µg/g]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	14	17	4.7	11	11	18	30	4.4	20	10
Ti [µg/g]	760	410	280	690	910	740	510	360	690	910
Tl [µg/g]	0.14	< 0.02	0.08	0.30	0.17	0.14	0.04	0.08	0.21	0.28
U [µg/g]	0.026	0.045	0.39	0.041	0.11	0.28	0.030	0.037	0.036	0.035
V [µg/g]	27	26	84	29	71	38	16	24	18	27
Zn [µg/g]	14	13	25	11	44	17	8.2	16	18	11
Au [µg/g]	---	---	0.02	---	---	---	< 0.02	---	---	---
Ce [µg/g]	---	---	12.1	---	---	---	2.24	---	---	---
Cs [µg/g]	---	---	4	---	---	---	5	---	---	---
Dy [µg/g]	---	---	0.75	---	---	---	0.31	---	---	---
Er [µg/g]	---	---	0.38	---	---	---	0.20	---	---	---
Eu [µg/g]	---	---	0.24	---	---	---	0.085	---	---	---
Ga [µg/g]	---	---	11	---	---	---	2	---	---	---
Gd [µg/g]	---	---	1.01	---	---	---	0.28	---	---	---
Ge [µg/g]	---	---	0.9	---	---	---	< 0.3	---	---	---
Hf [µg/g]	---	---	0.1	---	---	---	< 0.1	---	---	---
Ho [µg/g]	---	---	0.14	---	---	---	0.068	---	---	---
In [µg/g]	---	---	0.01	---	---	---	< 0.01	---	---	---
Ir [µg/g]	---	---	< 0.01	---	---	---	< 0.01	---	---	---
La [µg/g]	---	---	6.01	---	---	---	1.12	---	---	---

OnLine LIMS

0004059652

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	11: VIS-CV5-AMP-139	12: VIS-CV5-AMP-140	13: VIS-CV5-AMP-141	14: VIS-CV5-AMP-142	15: VIS-CV5-AMP-143	16: VIS-CV5-AMP-144	17: VIS-CV5-AMP-145	18: VIS-CV5-AMP-146	19: VIS-CV5-AMP-147	20: VIS-CV5-AMP-148
Lu [µg/g]	---	---	0.12	---	---	---	0.12	---	---	---
Nb [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Nd [µg/g]	---	---	5.9	---	---	---	1.1	---	---	---
Os [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Pd [µg/g]	---	---	< 0.2	---	---	---	< 0.2	---	---	---
Pr [µg/g]	---	---	1.48	---	---	---	0.27	---	---	---
Pt [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Rh [µg/g]	---	---	< 0.01	---	---	---	< 0.01	---	---	---
Rb [µg/g]	---	---	9.55	---	---	---	4.41	---	---	---
Re [µg/g]	---	---	0.10	---	---	---	0.07	---	---	---
Ru [µg/g]	---	---	< 0.01	---	---	---	< 0.01	---	---	---
Sm [µg/g]	---	---	1.09	---	---	---	0.23	---	---	---
Sc [µg/g]	---	---	6	---	---	---	2	---	---	---
Ta [µg/g]	---	---	< 0.01	---	---	---	< 0.01	---	---	---
Tb [µg/g]	---	---	0.14	---	---	---	0.047	---	---	---
Te [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Th [µg/g]	---	---	1.4	---	---	---	0.11	---	---	---
Tm [µg/g]	---	---	0.052	---	---	---	0.029	---	---	---

Analysis	21: VIS-CV5-AMP-149	22: VIS-CV5-AMP-150	23: VIS-CV5-AMP-151	24: VIS-CV5-AMP-152	25: VIS-CV5-AMP-153	26: VIS-CV5-AMP-154	27: VIS-CV5-AMP-155	28: VIS-CV5-AMP-156	29: VIS-CV5-AMP-157	30: VIS-CV5-AMP-158
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	6100	21000	8300	9100	27000	8900	10000	7000	10000	4200
As [µg/g]	58	27	7.5	6.6	53	5.0	68	21	4.3	< 0.5
B [µg/g]	2	5	2	4	4	31	3	1	2	3
Ba [µg/g]	8.0	13	4.5	26	3.7	8.4	29	37	7.8	5.0
Be [µg/g]	0.22	0.97	0.20	0.29	3.6	0.35	0.95	0.25	0.06	< 0.02
Bi [µg/g]	< 0.09	0.20	< 0.09	0.13	0.21	0.11	0.43	< 0.09	< 0.09	< 0.09
Ca [µg/g]	5800	16000	19000	7900	3700	6200	6600	43000	15000	5800

OnLine LIMS

00040596S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11014-FEB25**

Analysis	21: VIS-CV5-AMP-149	22: VIS-CV5-AMP-150	23: VIS-CV5-AMP-151	24: VIS-CV5-AMP-152	25: VIS-CV5-AMP-153	26: VIS-CV5-AMP-154	27: VIS-CV5-AMP-155	28: VIS-CV5-AMP-156	29: VIS-CV5-AMP-157	30: VIS-CV5-AMP-158
Cd [µg/g]	0.03	0.04	0.09	0.04	0.05	0.05	0.06	0.07	0.04	0.03
Co [µg/g]	13	19	11	8.4	20	9.8	13	11	10	6.0
Cr [µg/g]	91	60	37	63	116	30	165	28	29	15
Cu [µg/g]	95	237	82	67	121	83	44	69	94	134
Fe [µg/g]	9000	13000	12000	8500	31000	9300	11000	8200	8500	7400
K [µg/g]	430	780	250	630	260	580	1600	900	240	270
Li [µg/g]	130	220	90	110	480	110	220	100	110	23
Mg [µg/g]	5700	7200	4200	4100	37000	5400	9300	2800	2900	3500
Mn [µg/g]	180	260	290	300	460	140	310	550	190	110
Mo [µg/g]	0.1	0.5	0.3	0.4	0.5	0.4	1.0	0.4	0.4	0.2
Na [µg/g]	560	780	730	930	250	670	500	540	950	540
Ni [µg/g]	62	59	27	20	44	32	81	31	31	11
P [µg/g]	170	150	280	230	420	340	330	270	290	170
Pb [µg/g]	1.0	2.5	1.7	0.53	1.4	1.9	3.1	0.72	0.48	0.16
Sb [µg/g]	18	2.6	1.0	3.1	1.2	0.8	3.9	11	1.9	< 0.8
Se [µg/g]	0.2	0.4	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.2	0.1
Sn [µg/g]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	5.8	22	8.0	15	4.6	9.0	7.9	21	16	4.0
Ti [µg/g]	570	410	820	1000	690	240	420	660	760	360
Tl [µg/g]	0.55	0.48	0.10	0.94	0.11	0.10	1.8	0.23	0.12	< 0.02
U [µg/g]	0.23	0.18	0.14	0.020	0.26	0.13	1.4	0.048	0.021	0.020
V [µg/g]	20	29	35	32	130	23	26	22	25	20
Zn [µg/g]	11	13	22	11	29	19	17	16	13	11
Au [µg/g]	< 0.02	---	---	---	< 0.02	---	---	---	< 0.02	---
Ce [µg/g]	1.61	---	---	---	2.96	---	---	---	4.11	---
Cs [µg/g]	86	---	---	---	75	---	---	---	44	---
Dy [µg/g]	0.29	---	---	---	0.66	---	---	---	0.48	---
Er [µg/g]	0.18	---	---	---	0.41	---	---	---	0.29	---
Eu [µg/g]	0.067	---	---	---	0.099	---	---	---	0.11	---
Ga [µg/g]	2	---	---	---	10	---	---	---	2	---
Gd [µg/g]	0.26	---	---	---	0.58	---	---	---	0.46	---
Ge [µg/g]	< 0.3	---	---	---	0.7	---	---	---	< 0.3	---
Hf [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---

OnLine LIMS

0004059652

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	21: VIS-CV5-AMP-149	22: VIS-CV5-AMP-150	23: VIS-CV5-AMP-151	24: VIS-CV5-AMP-152	25: VIS-CV5-AMP-153	26: VIS-CV5-AMP-154	27: VIS-CV5-AMP-155	28: VIS-CV5-AMP-156	29: VIS-CV5-AMP-157	30: VIS-CV5-AMP-158
Ho [µg/g]	0.063	---	---	---	0.14	---	---	---	0.099	---
In [µg/g]	< 0.01	---	---	---	0.04	---	---	---	< 0.01	---
Ir [µg/g]	< 0.01	---	---	---	< 0.01	---	---	---	< 0.01	---
La [µg/g]	0.82	---	---	---	1.12	---	---	---	2.00	---
Lu [µg/g]	0.059	---	---	---	0.20	---	---	---	0.15	---
Nb [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Nd [µg/g]	0.79	---	---	---	1.8	---	---	---	1.9	---
Os [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Pd [µg/g]	< 0.2	---	---	---	< 0.2	---	---	---	< 0.2	---
Pr [µg/g]	0.19	---	---	---	0.40	---	---	---	0.48	---
Pt [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Rh [µg/g]	< 0.01	---	---	---	< 0.01	---	---	---	< 0.01	---
Rb [µg/g]	55.6	---	---	---	14.7	---	---	---	13.8	---
Re [µg/g]	0.08	---	---	---	0.13	---	---	---	0.13	---
Ru [µg/g]	< 0.01	---	---	---	< 0.01	---	---	---	< 0.01	---
Sm [µg/g]	0.22	---	---	---	0.47	---	---	---	0.40	---
Sc [µg/g]	2	---	---	---	12	---	---	---	3	---
Ta [µg/g]	< 0.01	---	---	---	< 0.01	---	---	---	< 0.01	---
Tb [µg/g]	0.048	---	---	---	0.10	---	---	---	0.078	---
Te [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Th [µg/g]	0.37	---	---	---	0.34	---	---	---	0.22	---
Tm [µg/g]	0.028	---	---	---	0.061	---	---	---	0.044	---

Analysis	31: VIS-CV5-AMP-159	32: VIS-CV5-AMP-160	33: VIS-CV5-AMP-161	34: VIS-CV5-AMP-162	35: VIS-CV5-AMP-163	36: VIS-CV5-AMP-164	37: VIS-CV5-AMP-165	38: VIS-CV5-AMP-166	39: VIS-CV5-AMP-167	40: VIS-CV5-AMP-168
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	16000	26000	11000	25000	12000	9100	21000	11000	39000	11000
As [µg/g]	170	350	35	10	340	35	65	62	19	28
B [µg/g]	7	4	3	4	5	3	3	6	5	28

OnLine LIMS

00040596S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11014-FEB25**

Analysis	31: VIS-CV5-AMP-159	32: VIS-CV5-AMP-160	33: VIS-CV5-AMP-161	34: VIS-CV5-AMP-162	35: VIS-CV5-AMP-163	36: VIS-CV5-AMP-164	37: VIS-CV5-AMP-165	38: VIS-CV5-AMP-166	39: VIS-CV5-AMP-167	40: VIS-CV5-AMP-168
Ba [µg/g]	82	268	66	40	16	4.9	4.4	7.3	1.7	11
Be [µg/g]	3.5	2.6	0.88	0.45	0.71	0.29	1.4	0.41	3.3	0.43
Bi [µg/g]	0.34	0.28	< 0.09	< 0.09	0.76	< 0.09	< 0.09	< 0.09	1.1	< 0.09
Ca [µg/g]	11000	13000	12000	19000	9100	15000	4700	17000	4000	12000
Cd [µg/g]	0.07	0.05	0.05	0.04	4.9	0.06	0.62	0.05	< 0.02	0.04
Co [µg/g]	17	23	15	11	70	11	20	16	35	13
Cr [µg/g]	63	201	62	35	104	40	74	33	24	45
Cu [µg/g]	89	67	94	113	261	92	83	81	137	106
Fe [µg/g]	17000	27000	14000	15000	48000	11000	26000	11000	55000	14000
K [µg/g]	4000	13000	2300	2100	1100	320	460	640	84	810
Li [µg/g]	350	1200	160	220	120	99	480	140	310	150
Mg [µg/g]	12000	21000	5800	5500	6100	4300	22000	4200	53000	9300
Mn [µg/g]	310	790	250	210	180	250	330	220	620	280
Mo [µg/g]	0.6	0.6	0.4	0.5	1.8	0.4	0.2	0.6	0.5	0.2
Na [µg/g]	990	210	800	960	300	770	410	570	100	490
Ni [µg/g]	52	54	33	26	200	21	43	28	37	19
P [µg/g]	360	810	490	290	280	310	280	240	340	220
Pb [µg/g]	1.5	8.4	1.1	0.92	11	1.0	22	0.55	3.2	1.2
Sb [µg/g]	10	4.5	4.5	4.1	14	3.3	4.3	1.0	< 0.8	1.0
Se [µg/g]	0.2	0.2	0.3	0.2	2.9	0.3	0.3	0.2	0.4	< 0.1
Sn [µg/g]	6	12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	9.9	18	33	33	7.1	11	5.4	12	6.4	8.1
Ti [µg/g]	670	1000	840	830	310	850	700	470	710	590
Tl [µg/g]	6.9	22	0.85	1.6	0.36	0.14	0.27	0.25	0.05	0.08
U [µg/g]	0.34	3.1	0.37	0.059	1.9	0.11	0.040	0.043	0.24	0.092
V [µg/g]	45	64	29	37	21	35	80	31	310	40
Zn [µg/g]	25	53	22	17	714	17	90	15	39	18
Au [µg/g]	---	---	< 0.02	---	---	---	< 0.02	---	---	---
Ce [µg/g]	---	---	16.4	---	---	---	4.78	---	---	---
Cs [µg/g]	---	---	111	---	---	---	76	---	---	---
Dy [µg/g]	---	---	0.57	---	---	---	0.54	---	---	---
Er [µg/g]	---	---	0.27	---	---	---	0.35	---	---	---
Eu [µg/g]	---	---	0.31	---	---	---	0.10	---	---	---

OnLine LIMS

0004059652

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	31: VIS-CV5-AMP-159	32: VIS-CV5-AMP-160	33: VIS-CV5-AMP-161	34: VIS-CV5-AMP-162	35: VIS-CV5-AMP-163	36: VIS-CV5-AMP-164	37: VIS-CV5-AMP-165	38: VIS-CV5-AMP-166	39: VIS-CV5-AMP-167	40: VIS-CV5-AMP-168
Ga [µg/g]	---	---	3	---	---	---	6	---	---	---
Gd [µg/g]	---	---	1.15	---	---	---	0.50	---	---	---
Ge [µg/g]	---	---	0.7	---	---	---	0.5	---	---	---
Hf [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Ho [µg/g]	---	---	0.10	---	---	---	0.12	---	---	---
In [µg/g]	---	---	0.01	---	---	---	0.02	---	---	---
Ir [µg/g]	---	---	< 0.01	---	---	---	< 0.01	---	---	---
La [µg/g]	---	---	6.76	---	---	---	2.23	---	---	---
Lu [µg/g]	---	---	0.12	---	---	---	0.11	---	---	---
Nb [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Nd [µg/g]	---	---	8.8	---	---	---	2.2	---	---	---
Os [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Pd [µg/g]	---	---	< 0.2	---	---	---	< 0.2	---	---	---
Pr [µg/g]	---	---	2.22	---	---	---	0.57	---	---	---
Pt [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Rh [µg/g]	---	---	< 0.01	---	---	---	< 0.01	---	---	---
Rb [µg/g]	---	---	90.7	---	---	---	24.3	---	---	---
Re [µg/g]	---	---	0.12	---	---	---	0.10	---	---	---
Ru [µg/g]	---	---	< 0.01	---	---	---	< 0.01	---	---	---
Sm [µg/g]	---	---	1.44	---	---	---	0.45	---	---	---
Sc [µg/g]	---	---	3	---	---	---	6	---	---	---
Ta [µg/g]	---	---	0.02	---	---	---	< 0.01	---	---	---
Tb [µg/g]	---	---	0.14	---	---	---	0.081	---	---	---
Te [µg/g]	---	---	< 0.1	---	---	---	< 0.1	---	---	---
Th [µg/g]	---	---	0.69	---	---	---	0.31	---	---	---
Tm [µg/g]	---	---	0.036	---	---	---	0.050	---	---	---

Analysis	41: VIS-CV5-AMP-169	42: VIS-CV5-AMP-170	43: VIS-CV5-AMP-171	44: VIS-CV5-AMP-172	45: VIS-CV5-AMP-173	46: VIS-CV5-AMP-174	47: VIS-CV5-AMP-175	48: VIS-CV5-AMP-176	49: VIS-CV5-AMP-177	50: VIS-CV5-AMP-178
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

OnLine LIMS

00040596S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11014-FEB25**

Analysis	41: VIS-CV5-AMP-169	42: VIS-CV5-AMP-170	43: VIS-CV5-AMP-171	44: VIS-CV5-AMP-172	45: VIS-CV5-AMP-173	46: VIS-CV5-AMP-174	47: VIS-CV5-AMP-175	48: VIS-CV5-AMP-176	49: VIS-CV5-AMP-177	50: VIS-CV5-AMP-178
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	12000	8400	11000	10000	17000	16000	10000	11000	12000	14000
As [µg/g]	9.4	64	25	4.7	11	3.4	49	22	52	20
B [µg/g]	6	3	4	20	4	2	4	2	4	5
Ba [µg/g]	11	8.7	88	5.5	8.8	5.4	4.5	119	16	18
Be [µg/g]	0.32	1.2	0.68	0.24	0.60	0.07	0.78	0.16	1.5	0.61
Bi [µg/g]	< 0.09	0.10	< 0.09	< 0.09	< 0.09	< 0.09	0.16	< 0.09	< 0.09	< 0.09
Ca [µg/g]	10000	8200	12000	24000	16000	25000	15000	6100	10000	9100
Cd [µg/g]	0.03	0.03	0.04	0.08	0.04	0.04	0.03	< 0.02	0.07	0.02
Co [µg/g]	12	17	14	12	12	13	21	11	23	18
Cr [µg/g]	40	28	73	41	71	62	48	39	77	54
Cu [µg/g]	83	172	82	86	67	106	93	23	112	80
Fe [µg/g]	12000	19000	13000	10000	13000	8200	11000	12000	17000	14000
K [µg/g]	670	520	1600	320	860	160	240	950	1200	690
Li [µg/g]	120	100	170	110	140	66	120	150	190	130
Mg [µg/g]	5800	5900	5100	3100	5600	2200	5500	6600	6900	6500
Mn [µg/g]	220	200	210	320	240	200	250	160	290	280
Mo [µg/g]	0.2	0.3	1.1	0.1	0.3	1.5	0.3	0.6	0.4	< 0.1
Na [µg/g]	640	800	920	970	1000	1400	250	680	1100	910
Ni [µg/g]	39	20	37	30	30	48	54	31	69	53
P [µg/g]	170	370	340	290	330	220	220	230	200	190
Pb [µg/g]	0.91	0.76	0.71	0.71	0.69	0.39	1.5	0.49	0.31	0.65
Sb [µg/g]	2.3	2.2	1.1	2.0	1.4	< 0.8	6.4	2.1	11	1.6
Se [µg/g]	0.2	0.6	0.3	0.2	0.2	0.3	0.3	< 0.1	0.3	0.2
Sn [µg/g]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	7.5	4.0	13	13	20	28	6.5	6.0	4.9	12
Ti [µg/g]	530	480	910	750	630	480	230	440	880	590
Tl [µg/g]	0.21	0.12	0.69	0.10	0.74	0.03	0.13	0.14	2.0	0.30
U [µg/g]	0.38	0.25	0.17	0.12	0.30	0.37	0.18	0.10	0.032	0.15
V [µg/g]	28	41	36	32	36	20	32	25	54	37
Zn [µg/g]	16	18	23	19	18	9.8	19	16	23	15
Au [µg/g]	< 0.02	---	---	---	< 0.02	---	---	---	< 0.02	---
Ce [µg/g]	2.82	---	---	---	4.44	---	---	---	3.72	---

OnLine LIMS

0004059652

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	41: VIS-CV5-AMP-169	42: VIS-CV5-AMP-170	43: VIS-CV5-AMP-171	44: VIS-CV5-AMP-172	45: VIS-CV5-AMP-173	46: VIS-CV5-AMP-174	47: VIS-CV5-AMP-175	48: VIS-CV5-AMP-176	49: VIS-CV5-AMP-177	50: VIS-CV5-AMP-178
Cs [µg/g]	17	---	---	---	141	---	---	---	168	---
Dy [µg/g]	0.37	---	---	---	0.49	---	---	---	0.56	---
Er [µg/g]	0.22	---	---	---	0.28	---	---	---	0.35	---
Eu [µg/g]	0.091	---	---	---	0.11	---	---	---	0.14	---
Ga [µg/g]	2	---	---	---	4	---	---	---	4	---
Gd [µg/g]	0.34	---	---	---	0.55	---	---	---	0.51	---
Ge [µg/g]	< 0.3	---	---	---	0.4	---	---	---	0.5	---
Hf [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Ho [µg/g]	0.077	---	---	---	0.098	---	---	---	0.12	---
In [µg/g]	< 0.01	---	---	---	0.01	---	---	---	0.02	---
Ir [µg/g]	< 0.01	---	---	---	< 0.01	---	---	---	< 0.01	---
La [µg/g]	1.35	---	---	---	1.89	---	---	---	1.66	---
Lu [µg/g]	0.17	---	---	---	0.15	---	---	---	0.14	---
Nb [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Nd [µg/g]	1.3	---	---	---	2.1	---	---	---	2.0	---
Os [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Pd [µg/g]	< 0.2	---	---	---	< 0.2	---	---	---	< 0.2	---
Pr [µg/g]	0.34	---	---	---	0.54	---	---	---	0.46	---
Pt [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Rh [µg/g]	< 0.01	---	---	---	< 0.01	---	---	---	< 0.01	---
Rb [µg/g]	22.4	---	---	---	84.2	---	---	---	205	---
Re [µg/g]	0.10	---	---	---	0.11	---	---	---	0.06	---
Ru [µg/g]	< 0.01	---	---	---	< 0.01	---	---	---	< 0.01	---
Sm [µg/g]	0.28	---	---	---	0.47	---	---	---	0.43	---
Sc [µg/g]	3	---	---	---	4	---	---	---	7	---
Ta [µg/g]	< 0.01	---	---	---	0.07	---	---	---	0.02	---
Tb [µg/g]	0.051	---	---	---	0.091	---	---	---	0.087	---
Te [µg/g]	< 0.1	---	---	---	< 0.1	---	---	---	< 0.1	---
Th [µg/g]	0.35	---	---	---	0.34	---	---	---	0.19	---
Tm [µg/g]	0.032	---	---	---	0.042	---	---	---	0.049	---

OnLine LIMS

00040596S2

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-AMP-179	52: VIS-CV5-AMP-180
Sample Date & Time	NA	NA
Hg [ug/g]	< 0.05	< 0.05
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	13000	25000
As [µg/g]	280	26
B [µg/g]	6	4
Ba [µg/g]	20	12
Be [µg/g]	0.93	1.8
Bi [µg/g]	0.13	< 0.09
Ca [µg/g]	9800	3200
Cd [µg/g]	0.12	0.22
Co [µg/g]	21	27
Cr [µg/g]	43	90
Cu [µg/g]	111	113
Fe [µg/g]	18000	34000
K [µg/g]	760	420
Li [µg/g]	160	530
Mg [µg/g]	8100	31000
Mn [µg/g]	360	430
Mo [µg/g]	0.2	0.4
Na [µg/g]	520	310
Ni [µg/g]	49	59
P [µg/g]	830	250
Pb [µg/g]	1.7	80
Sb [µg/g]	4.6	4.0
Se [µg/g]	0.3	0.3
Sn [µg/g]	< 5	< 5
Sr [µg/g]	6.8	5.2
Ti [µg/g]	430	660
Tl [µg/g]	0.19	0.15
U [µg/g]	0.14	0.095
V [µg/g]	39	110
Zn [µg/g]	44	54

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004059652

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-AMP-179	52: VIS-CV5-AMP-180
Au [µg/g]	---	---
Ce [µg/g]	---	---
Cs [µg/g]	---	---
Dy [µg/g]	---	---
Er [µg/g]	---	---
Eu [µg/g]	---	---
Ga [µg/g]	---	---
Gd [µg/g]	---	---
Ge [µg/g]	---	---
Hf [µg/g]	---	---
Ho [µg/g]	---	---
In [µg/g]	---	---
Ir [µg/g]	---	---
La [µg/g]	---	---
Lu [µg/g]	---	---
Nb [µg/g]	---	---
Nd [µg/g]	---	---
Os [µg/g]	---	---
Pd [µg/g]	---	---
Pr [µg/g]	---	---
Pt [µg/g]	---	---
Rh [µg/g]	---	---
Rb [µg/g]	---	---
Re [µg/g]	---	---
Ru [µg/g]	---	---
Sm [µg/g]	---	---
Sc [µg/g]	---	---
Ta [µg/g]	---	---
Tb [µg/g]	---	---
Te [µg/g]	---	---
Th [µg/g]	---	---
Tm [µg/g]	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
Mercury by CVAAS	ug/g	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	Y	N
Metals, ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	N
Metals, ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	Y

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004059652

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Mercury by CVAAS - QCBatchID: EHG0004-MAR25													
Mercury	0.05	ug/g	<0.05			ND	20	100	80	120	100	70	130
Metals - Microwave/ICP-MS - QCBatchID: EMS0076-MAR25													
Cerium	0.001	µg/g	<0.001			ND	20	102	70	130	NV	70	130
Cesium	0.01	µg/g	<0.01			ND	20	106	70	130	NV	70	130
Dysprosium	0.001	µg/g	<0.001			ND	20	100	70	130	NV	70	130
Erbium	0.001	µg/g	<0.001			ND	20	100	70	130	NV	70	130
Europium	0.001	µg/g	<0.001			ND	20	97	70	130	NV	70	130
Gadolinium	0.001	µg/g	<0.001			ND	20	100	70	130	NV	70	130
Germanium	0.3	µg/g	<0.3			ND	20	106	70	130	NV	70	130
Gold	0.02	µg/g	<0.02			ND	20	93	70	130	NV	70	130
Hafnium	0.1	µg/g	<0.1			ND	20	91	70	130	NV	70	130
Holmium	0.001	µg/g	<0.001			ND	20	101	70	130	NV	70	130
Iridium	0.01	µg/g	<0.01			ND	20	99	70	130	NV	70	130
Lanthanum	0.001	µg/g	<0.001			ND	20	102	70	130	NV	70	130
Lutetium	0.001	µg/g	<0.001			ND	20	96	70	130	NV	70	130
Neodymium	0.006	µg/g	<0.006			ND	20	101	70	130	NV	70	130
Niobium	0.1	µg/g	<0.1			ND	20	95	70	130	NV	70	130
Osmium	0.1	µg/g	<0.1			ND	20	108	70	130	NV	70	130
Palladium	0.2	µg/g	<0.2			ND	20	97	70	130	NV	70	130
Platinum	0.1	µg/g	<0.1			ND	20	97	70	130	NV	70	130
Praseodymium	0.001	µg/g	<0.001			ND	20	103	70	130	NV	70	130
Rhenium	0.05	µg/g	<0.05			ND	20	102	70	130	NV	70	130
Rhodium	0.01	µg/g	<0.01			ND	20	98	70	130	NV	70	130
Rubidium	0.004	µg/g	<0.004			ND	20	98	70	130	NV	70	130
Ruthenium	0.01	µg/g	<0.01			ND	20	98	70	130	NV	70	130
Tantalum	0.01	µg/g	<0.01			ND	20	97	70	130	NV	70	130
Tellurium	0.1	µg/g	<0.01			ND	20	100	70	130	NV	70	130
Metals - Microwave/ICP-MS - QCBatchID: EMS0121-MAR25													
Gallium	0.03	µg/g	< 0.03			1	20	100	70	130			
Indium	0.01	µg/g	< 0.01			ND	20	101	70	130			
Samarium	0.001	µg/g	< 0.001			6	20	100	70	130			
Scandium	0.03	µg/g	< 0.03			1	20	99	70	130			
Terbium	0.001	µg/g	< 0.001			2	20	101	70	130			
Thulium	0.001	µg/g	< 0.001			6	20	99	70	130			
Metals, ICP-MS - QCBatchID: EMS0076-MAR25													

OnLine LIMS

00004059652

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11014-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Aluminum	3	µg/g	<3			3	20	109	70	130	77	70	130
Antimony	0.8	µg/g	<0.8			1	20	103	70	130	107	70	130
Arsenic	0.5	µg/g	<0.5			1	20	96	70	130	71	70	130
Barium	0.01	µg/g	<0.01			4	20	104	70	130	83	70	130
Beryllium	0.02	µg/g	<0.02			9	20	93	70	130	76	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130	NV	70	130
Boron	1	µg/g	<1			0	20	91	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	101	70	130	75	70	130
Calcium	3	µg/g	<3			2	20	101	70	130	72	70	130
Chromium	0.5	µg/g	<0.5			2	20	104	70	130	79	70	130
Cobalt	0.01	µg/g	<0.01			4	20	103	70	130	71	70	130
Copper	0.1	µg/g	<0.1			0	20	105	70	130	85	70	130
Iron	3	µg/g	<3			4	20	100	70	130	83	70	130
Lead	0.05	µg/g	<0.05			2	20	104	70	130	87	70	130
Lithium	2	µg/g	<2			0	20	91	70	130	73	70	130
Magnesium	3	µg/g	<1			4	20	105	70	130	78	70	130
Manganese	0.1	µg/g	<0.1			2	20	104	70	130	75	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	102	70	130	81	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	73	70	130
Phosphorus	3	µg/g	<3			2	20	102	70	130	NV	70	130
Potassium	3	µg/g	<3			2	20	105	70	130	87	70	130
Selenium	0.1	µg/g	<0.1			2	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	74	70	130
Sodium	3	µg/g	<3			3	20	104	70	130	73	70	130
Strontium	0.02	µg/g	<0.02			3	20	99	70	130	87	70	130
Thallium	0.02	µg/g	<0.02			8	20	96	70	130	107	70	130
Thorium	0.01	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Tin	5	µg/g	<5			ND	20	96	70	130	98	70	130
Titanium	0.1	µg/g	<0.1			4	20	108	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			7	20	103	70	130	76	70	130
Vanadium	1	µg/g	<1			2	20	108	70	130	82	70	130
Zinc	0.7	µg/g	<0.7			2	20	106	70	130	71	70	130

OnLine LIMS

00004059652

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

27-March-2025

Date Rec. : 05 February 2025
LR Report: **CA11015-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-13 3	6: VIS-CV5-AMP-13 4	7: VIS-CV5-AMP-13 5	8: VIS-CV5-AMP-13 6	9: VIS-CV5-AMP-13 7	10: VIS-CV5-AMP-13 8
Sample Date & Time					NA	NA	NA	NA	NA	NA
Sample weight [g]	04-Mar-25	14:31	07-Mar-25	10:05	20	20	20	20	19	21
Ext Fluid [#1 or #2]	05-Mar-25	15:13	07-Mar-25	10:05	1	1	1	1	1	1
Ext Volume [mL]	06-Mar-25	07:41	07-Mar-25	10:05	400	400	400	400	400	400
pH [No unit]	07-Mar-25	13:40	11-Mar-25	10:48	8.25	7.84	7.88	7.86	7.84	7.82
Conductivity [uS/cm]	07-Mar-25	13:40	10-Mar-25	14:27	66	69	67	48	57	60
Alkalinity [mg/L as CaCO3]	07-Mar-25	13:40	11-Mar-25	14:52	26	25	28	21	25	28
Acidity [mg/L as CaCO3]	07-Mar-25	13:40	11-Mar-25	14:52	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	07-Mar-25	07:55	10-Mar-25	09:35	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	06-Mar-25	20:58	10-Mar-25	11:08	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	06-Mar-25	20:58	10-Mar-25	11:08	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	06-Mar-25	20:58	10-Mar-25	11:08	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	06-Mar-25	20:58	10-Mar-25	11:08	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	06-Mar-25	20:58	10-Mar-25	11:08	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	07-Mar-25	11:49	10-Mar-25	09:34	< 0.03	< 0.03	0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	10-Mar-25	12:20	12-Mar-25	12:23	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	0.467	0.361	0.364	0.553	0.506	0.383

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-13 3	6: VIS-CV5-AMP-13 4	7: VIS-CV5-AMP-13 5	8: VIS-CV5-AMP-13 6	9: VIS-CV5-AMP-13 7	10: VIS-CV5-AMP-13 8
As [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	0.0087	0.0527	0.215	0.0137	0.0299	0.0169
Ba [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	0.00092	0.00056	0.00119	0.00027	0.00077	0.00070
Be [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	0.037	0.048	0.047	< 0.002	0.027	0.019
Bi [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001
Ca [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	7.66	7.79	6.80	7.91	6.18	6.25
Cd [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	0.000037	0.000036	0.000324	0.000008	0.000188	0.000069
Cr [mg/L]	07-Mar-25	15:58	11-Mar-25	11:27	0.00015	< 0.00008	0.00200	< 0.00008	0.00102	0.00094
Cu [mg/L]	07-Mar-25	15:58	11-Mar-25	11:20	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	07-Mar-25	15:58	11-Mar-25	11:20	0.068	0.066	0.221	< 0.007	0.308	0.093
K [mg/L]	10-Mar-25	17:00	11-Mar-25	11:20	0.452	0.116	0.456	0.209	0.480	0.300
Li [mg/L]	07-Mar-25	15:58	11-Mar-25	11:20	0.0274	0.0155	0.0263	0.0199	0.0436	0.0275
Mg [mg/L]	07-Mar-25	15:58	11-Mar-25	11:20	0.423	0.581	0.951	0.510	0.796	1.03
Mn [mg/L]	07-Mar-25	15:58	11-Mar-25	11:20	0.00131	0.00119	0.00489	0.00089	0.00530	0.00191
Mo [mg/L]	07-Mar-25	15:58	11-Mar-25	11:19	0.0011	0.0013	0.0014	0.0004	< 0.0004	0.0005
Na [mg/L]	07-Mar-25	15:58	11-Mar-25	11:19	5.19	5.53	5.71	0.75	5.03	4.82
Ni [mg/L]	07-Mar-25	15:58	11-Mar-25	11:19	0.0001	< 0.0001	0.0012	< 0.0001	0.0006	0.0003
P [mg/L]	10-Mar-25	17:00	11-Mar-25	11:19	0.003	0.007	0.005	< 0.003	0.019	0.006
Pb [mg/L]	07-Mar-25	15:58	11-Mar-25	11:19	< 0.00009	< 0.00009	0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	07-Mar-25	15:58	11-Mar-25	11:19	0.0096	0.0069	0.0384	0.0069	0.0018	0.0026
Se [mg/L]	07-Mar-25	15:58	11-Mar-25	11:18	0.00015	0.00019	0.00024	0.00006	0.00007	0.00006
Si [mg/L]	07-Mar-25	15:58	11-Mar-25	11:18	1.98	1.86	3.22	1.68	2.92	2.25
Sn [mg/L]	07-Mar-25	15:58	11-Mar-25	11:18	0.00068	0.00011	0.00104	0.00010	0.00112	0.00024
Sr [mg/L]	07-Mar-25	15:58	11-Mar-25	11:18	0.0102	0.0102	0.0128	0.0123	0.0049	0.0106
Ti [mg/L]	10-Mar-25	17:00	11-Mar-25	11:16	0.0024	0.0022	0.0057	0.0002	0.0088	0.0027
Tl [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.000005	< 0.000005	0.000008	0.000010	< 0.000005	< 0.000005
U [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	0.000084	0.000141	0.000026	0.000104	0.000030	0.000015
V [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	0.00352	0.00230	0.00540	0.00353	0.00506	0.00271
Zn [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	0.00007	---
Cs [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	0.0017	---	---	---	0.0491	---

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-13 3	6: VIS-CV5-AMP-13 4	7: VIS-CV5-AMP-13 5	8: VIS-CV5-AMP-13 6	9: VIS-CV5-AMP-13 7	10: VIS-CV5-AMP-13 8
Dy [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	0.00001	---
Er [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Eu [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Ga [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	0.0003	---	---	---	0.0003	---
Gd (tot) [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	0.00001	---
Ge [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
In [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Ir [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	0.00003	---
Lu [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	0.00005	---
Os [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Pr [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Pt [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	0.0049	---	---	---	0.0061	---
Re [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	0.00001	---
Sc [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Ta [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---
Te [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	07-Mar-25	15:58	11-Mar-25	11:16	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	10-Mar-25	14:15	11-Mar-25	11:16	< 0.00001	---	---	---	< 0.00001	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00040599656

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	11: VIS-CV5-AMP-139	12: VIS-CV5-AMP-140	13: VIS-CV5-AMP-141	14: VIS-CV5-AMP-142	15: VIS-CV5-AMP-143	16: VIS-CV5-AMP-144	17: VIS-CV5-AMP-145	18: VIS-CV5-AMP-146	19: VIS-CV5-AMP-147	20: VIS-CV5-AMP-148
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	21	21	19	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	7.94	8.53	8.30	8.12	8.37	8.17	8.13	7.90	8.34	7.94
Conductivity [uS/cm]	58	69	66	46	68	66	57	49	62	60
Alkalinity [mg/L as CaCO3]	26	26	29	18	28	28	26	< 2	27	25
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	1.43	0.17	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	0.00001	0.00010	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.851	0.350	0.515	0.588	0.444	0.676	0.726	0.543	0.367	0.381
As [mg/L]	0.0180	0.0049	0.0166	0.0032	0.130	0.0124	0.0040	0.0214	0.0047	0.0089
Ba [mg/L]	0.00187	0.00063	0.00094	0.00081	0.00062	0.00073	0.00065	0.00090	0.00090	0.00060
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000009	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.022	0.018	0.021	0.021	0.026	0.022	0.024	0.022	0.023	0.023
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.72	7.70	6.22	4.28	8.19	7.18	6.26	5.10	6.29	7.27
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000010
Co [mg/L]	0.000214	0.000006	0.000096	0.000244	0.000008	0.000066	0.000218	0.000185	0.000054	0.000030
Cr [mg/L]	0.00085	0.00010	< 0.00008	0.00098	0.00008	0.00035	0.00126	0.00099	0.00073	0.00021
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.305	0.012	0.209	0.438	< 0.007	0.124	0.353	0.251	0.088	0.038
K [mg/L]	0.574	0.062	0.407	0.138	0.251	0.199	0.119	0.322	0.359	0.659
Li [mg/L]	0.0218	0.0165	0.0114	0.0275	0.0286	0.0198	0.0208	0.0215	0.0205	0.0240
Mg [mg/L]	0.620	0.828	0.576	0.654	0.458	0.597	0.737	0.853	0.803	0.435
Mn [mg/L]	0.00694	0.00058	0.00328	0.00797	0.00026	0.00271	0.00733	0.00509	0.00231	0.00125

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	11: VIS-CV5-AMP-139	12: VIS-CV5-AMP-140	13: VIS-CV5-AMP-141	14: VIS-CV5-AMP-142	15: VIS-CV5-AMP-143	16: VIS-CV5-AMP-144	17: VIS-CV5-AMP-145	18: VIS-CV5-AMP-146	19: VIS-CV5-AMP-147	20: VIS-CV5-AMP-148
Mo [mg/L]	0.0018	< 0.0004	0.0010	0.0006	0.0004	< 0.0004	0.0021	0.0005	< 0.0004	< 0.0004
Na [mg/L]	4.92	5.09	6.91	4.87	5.39	5.47	4.63	3.54	5.34	4.70
Ni [mg/L]	0.0005	< 0.0001	< 0.0001	0.0006	0.0002	0.0002	0.0007	0.0008	0.0002	0.0003
P [mg/L]	0.004	< 0.003	0.004	0.015	< 0.003	0.003	0.006	0.003	< 0.003	< 0.003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00020
Sb [mg/L]	0.0140	0.0028	0.0035	0.0062	0.0230	0.0037	0.0040	0.0778	0.0025	0.0032
Se [mg/L]	0.00010	0.00008	0.00006	0.00004	0.00010	0.00004	0.00008	0.00008	0.00009	0.00007
Si [mg/L]	2.99	1.98	2.40	2.28	1.64	2.45	2.74	2.53	3.01	1.82
Sn [mg/L]	0.00108	0.00011	< 0.00006	0.00074	0.00063	0.00012	< 0.00006	< 0.00006	< 0.00006	0.00032
Sr [mg/L]	0.00758	0.0158	0.0140	0.00372	0.0120	0.00941	0.00882	0.00623	0.00988	0.00627
Ti [mg/L]	0.0099	0.0003	0.0049	0.0153	0.0002	0.0043	0.0102	0.0079	0.0022	0.0016
Tl [mg/L]	0.000008	< 0.000005	< 0.000005	0.000009	< 0.000005	< 0.000005	< 0.000005	0.000006	< 0.000005	0.000007
U [mg/L]	0.000015	0.000019	0.000024	0.000015	0.000021	0.000396	0.000025	0.000037	0.000064	0.000087
V [mg/L]	0.00606	0.00263	0.00738	0.00429	0.00382	0.00506	0.00424	0.00374	0.00500	0.00364
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ce [mg/L]	---	---	0.00006	---	---	---	0.00003	---	---	---
Cs [mg/L]	---	---	0.0009	---	---	---	0.0005	---	---	---
Dy [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Er [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Eu [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ga [mg/L]	---	---	0.0008	---	---	---	0.0003	---	---	---
Gd (tot) [mg/L]	---	---	0.00001	---	---	---	< 0.00001	---	---	---
Ge [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Hf [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ho [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
In [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ir [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
La [mg/L]	---	---	0.00003	---	---	---	0.00001	---	---	---
Lu [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nb [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nd [mg/L]	---	---	0.00003	---	---	---	0.00002	---	---	---
Os [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004059656

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	11: VIS-CV5-AMP-139	12: VIS-CV5-AMP-140	13: VIS-CV5-AMP-141	14: VIS-CV5-AMP-142	15: VIS-CV5-AMP-143	16: VIS-CV5-AMP-144	17: VIS-CV5-AMP-145	18: VIS-CV5-AMP-146	19: VIS-CV5-AMP-147	20: VIS-CV5-AMP-148
Pd [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pr [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Pt [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Rh [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Rb [mg/L]	---	---	0.0026	---	---	---	0.0009	---	---	---
Re [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ru [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sm [mg/L]	---	---	0.00001	---	---	---	< 0.00001	---	---	---
Sc [mg/L]	---	---	< 0.0001	---	---	---	0.0001	---	---	---
Ta [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tb [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Te [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Th [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---

Analysis	21: VIS-CV5-AMP-149	22: VIS-CV5-AMP-150	23: VIS-CV5-AMP-151	24: VIS-CV5-AMP-152	25: VIS-CV5-AMP-153	26: VIS-CV5-AMP-154	27: VIS-CV5-AMP-155	28: VIS-CV5-AMP-156	29: VIS-CV5-AMP-157	30: VIS-CV5-AMP-158
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	20	20	19	20	20	21	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	7.81	8.09	8.03	7.92	8.71	8.32	8.45	8.69	8.14	8.22
Conductivity [uS/cm]	61	64	65	49	63	50	64	57	61	63
Alkalinity [mg/L as CaCO3]	24	29	33	21	28	23	27	25	28	27
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.06	0.11	< 0.06	0.18	0.17	< 0.06	0.09	< 0.06	< 0.06	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	21: VIS-CV5-AMP-149	22: VIS-CV5-AMP-150	23: VIS-CV5-AMP-151	24: VIS-CV5-AMP-152	25: VIS-CV5-AMP-153	26: VIS-CV5-AMP-154	27: VIS-CV5-AMP-155	28: VIS-CV5-AMP-156	29: VIS-CV5-AMP-157	30: VIS-CV5-AMP-158
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	0.08	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.308	0.702	0.452	0.574	0.188	0.846	0.510	0.351	0.555	0.349
As [mg/L]	0.0611	0.0187	0.0155	0.0057	0.393	0.0060	0.167	0.0173	0.0049	0.0017
Ba [mg/L]	0.00080	0.00091	0.00064	0.00100	0.00059	0.00199	0.00077	0.00099	0.00072	0.00064
Be [mg/L]	0.000027	0.000020	< 0.000007	0.000012	0.000012	0.000041	0.000030	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.022	0.022	0.036	0.027	0.027	0.029	0.024	0.020	0.020	0.027
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.63	7.03	6.24	4.00	6.28	5.13	6.11	7.00	6.93	6.42
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	0.000005	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000321	0.000157	0.000027	0.000246	0.000053	0.000170	0.000157	< 0.000004	0.000019	0.000068
Cr [mg/L]	0.00279	0.00103	0.00011	0.00183	0.00092	0.00085	0.00190	< 0.00008	0.00017	0.00026
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.248	0.188	0.038	0.301	0.061	0.299	0.157	< 0.007	0.033	0.126
K [mg/L]	0.159	0.597	0.218	0.122	0.420	0.762	1.27	0.293	0.116	0.151
Li [mg/L]	0.0394	0.0409	0.0185	0.0430	0.0182	0.0200	0.0865	0.0215	0.0258	0.0034
Mg [mg/L]	0.927	0.735	0.464	0.714	0.870	0.802	0.868	0.428	0.540	0.756
Mn [mg/L]	0.00673	0.00382	0.00109	0.0116	0.00142	0.00584	0.00379	0.00020	0.00084	0.00262
Mo [mg/L]	< 0.0004	0.0027	< 0.0004	0.0026	0.0014	0.0004	< 0.0004	< 0.0004	0.0012	0.0056
Na [mg/L]	5.15	5.44	6.94	5.35	5.84	4.67	5.57	4.08	4.44	5.13
Ni [mg/L]	0.0014	0.0004	< 0.0001	0.0006	0.0005	0.0004	0.0010	< 0.0001	0.0001	0.0002
P [mg/L]	0.003	0.003	< 0.003	0.006	0.003	0.005	0.005	< 0.003	< 0.003	0.005
Pb [mg/L]	0.00011	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00011	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0732	0.0065	0.0026	0.0086	0.0377	0.0045	0.0278	0.0181	0.0044	< 0.0009
Se [mg/L]	0.00029	0.00015	0.00019	< 0.00004	0.00008	0.00005	0.00007	0.00006	< 0.00004	< 0.00004
Si [mg/L]	2.38	2.72	2.46	2.63	2.65	3.00	2.63	1.58	2.02	2.22
Sn [mg/L]	< 0.00006	0.00074	0.00015	0.00007	0.00073	0.00015	0.00019	0.00009	0.00039	0.00012
Sr [mg/L]	0.0192	0.0106	0.00726	0.00479	0.0101	0.00615	0.00825	0.0118	0.00876	0.0129
Ti [mg/L]	0.0059	0.0048	0.0013	0.0130	0.0021	0.0095	0.0050	0.0001	0.0012	0.0032
Tl [mg/L]	0.000015	0.000007	< 0.000005	0.000016	< 0.000005	0.000010	0.000067	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000083	0.000057	0.000170	0.000032	0.000012	0.000025	0.000104	0.000013	0.000008	0.000011
V [mg/L]	0.00378	0.00440	0.00593	0.00493	0.00818	0.00477	0.00415	0.00330	0.00450	0.00419

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	21: VIS-CV5-AMP-149	22: VIS-CV5-AMP-150	23: VIS-CV5-AMP-151	24: VIS-CV5-AMP-152	25: VIS-CV5-AMP-153	26: VIS-CV5-AMP-154	27: VIS-CV5-AMP-155	28: VIS-CV5-AMP-156	29: VIS-CV5-AMP-157	30: VIS-CV5-AMP-158
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	0.00003	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Cs [mg/L]	0.0255	---	---	---	0.0098	---	---	---	0.0117	---
Dy [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Er [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Eu [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ga [mg/L]	0.0002	---	---	---	0.0004	---	---	---	0.0003	---
Gd (tot) [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ge [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
In [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ir [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	0.00002	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Lu [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	0.00002	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Os [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pr [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Pt [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	0.0096	---	---	---	0.0078	---	---	---	0.0033	---
Re [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sc [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ta [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Te [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---

OnLine LIMS

00040599596

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	31: VIS-CV5-AMP-159	32: VIS-CV5-AMP-160	33: VIS-CV5-AMP-161	34: VIS-CV5-AMP-162	35: VIS-CV5-AMP-163	36: VIS-CV5-AMP-164	37: VIS-CV5-AMP-165	38: VIS-CV5-AMP-166	39: VIS-CV5-AMP-167	40: VIS-CV5-AMP-168
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	20	21	20	20	20	19	20	20	20	21
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.26	8.19	8.21	8.22	7.75	8.21	8.19	8.15	7.89	9.16
Conductivity [uS/cm]	58	72	69	54	74	63	66	61	64	66
Alkalinity [mg/L as CaCO3]	29	30	29	29	27	28	30	28	28	28
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.49	0.36	0.22	< 0.06	< 0.06	< 0.06	0.12	0.20	< 0.06	0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.440	0.425	0.345	0.705	0.318	0.429	0.445	0.737	0.227	0.322
As [mg/L]	0.0768	0.113	0.0235	0.0058	0.0437	0.0132	0.0442	0.0187	0.0038	0.0362
Ba [mg/L]	0.00168	0.00281	0.00160	0.00150	0.00156	0.00047	0.00057	0.00047	0.00081	0.00087
Be [mg/L]	0.000061	0.000030	0.000015	< 0.000007	< 0.000007	< 0.000007	0.000007	< 0.000007	0.000007	< 0.000007
B [mg/L]	0.047	0.032	0.027	0.028	0.032	0.026	0.033	0.023	0.033	0.032
Bi [mg/L]	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	5.39	5.41	6.42	6.30	7.82	6.66	5.43	6.82	6.22	5.94
Cd [mg/L]	0.000004	0.000004	0.000192	0.000003	0.000009	< 0.000003	0.000007	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000168	0.000076	0.000072	0.000136	0.000082	0.000051	0.000048	0.000011	0.000018	0.000020
Cr [mg/L]	0.00042	0.00096	0.00078	0.00056	0.00088	0.00021	0.00032	0.00017	0.00009	0.00013
Cu [mg/L]	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.135	0.103	0.108	0.256	0.074	0.058	0.072	0.017	0.016	0.024
K [mg/L]	2.00	3.96	0.637	0.384	0.970	0.289	0.559	0.653	0.274	0.724
Li [mg/L]	0.0610	0.156	0.0264	0.0346	0.0155	0.0173	0.0873	0.0256	0.0066	0.0253
Mg [mg/L]	0.758	0.720	0.878	0.663	0.942	0.601	0.724	0.609	0.611	0.804
Mn [mg/L]	0.00360	0.00358	0.00406	0.00408	0.00120	0.00170	0.00127	0.00042	0.00062	0.00089

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	31: VIS-CV5-AMP-159	32: VIS-CV5-AMP-160	33: VIS-CV5-AMP-161	34: VIS-CV5-AMP-162	35: VIS-CV5-AMP-163	36: VIS-CV5-AMP-164	37: VIS-CV5-AMP-165	38: VIS-CV5-AMP-166	39: VIS-CV5-AMP-167	40: VIS-CV5-AMP-168
Mo [mg/L]	0.0007	0.0097	0.0030	0.0016	0.0004	0.0053	0.0028	< 0.0004	0.0007	0.0047
Na [mg/L]	4.98	5.51	5.18	5.10	5.34	5.06	6.54	4.11	5.40	5.67
Ni [mg/L]	0.0007	0.0003	0.0003	0.0003	0.0010	0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	0.005	0.008	0.003	0.005	< 0.003	< 0.003	0.004	< 0.003	< 0.003	0.008
Pb [mg/L]	< 0.00009	0.00011	0.00039	< 0.00009	0.00015	< 0.00009	0.00011	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0429	0.0203	0.0136	0.0083	0.0564	0.0051	0.0188	0.0024	0.0013	0.0091
Se [mg/L]	0.00023	0.00062	0.00011	0.00005	0.00020	0.00015	0.00010	0.00005	< 0.00004	< 0.00004
Si [mg/L]	2.47	2.04	2.79	2.34	1.90	2.18	2.13	2.36	1.71	2.21
Sn [mg/L]	0.00010	0.00022	0.00017	0.00012	0.00089	0.00009	0.00052	0.00026	0.00018	0.00018
Sr [mg/L]	0.00974	0.00943	0.0107	0.00998	0.00964	0.0106	0.0188	0.00728	0.0331	0.0166
Ti [mg/L]	0.0042	0.0042	0.0034	0.0091	0.0013	0.0022	0.0035	0.0006	0.0014	0.0006
Tl [mg/L]	0.000060	0.000204	0.000018	0.000008	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000043	0.000109	0.000055	0.000020	0.000147	0.000120	0.000026	0.000008	0.000007	0.000011
V [mg/L]	0.00676	0.00802	0.00540	0.00515	0.00134	0.00503	0.00645	0.00545	0.00569	0.00481
Zn [mg/L]	< 0.002	< 0.002	0.132	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ce [mg/L]	---	---	0.00002	---	---	---	0.00002	---	---	---
Cs [mg/L]	---	---	0.0161	---	---	---	0.0325	---	---	---
Dy [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Er [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Eu [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ga [mg/L]	---	---	0.0003	---	---	---	0.0006	---	---	---
Gd (tot) [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ge [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Hf [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ho [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
In [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ir [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
La [mg/L]	---	---	0.00001	---	---	---	< 0.00001	---	---	---
Lu [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nb [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nd [mg/L]	---	---	0.00001	---	---	---	0.00001	---	---	---
Os [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	31: VIS-CV5-AMP-159	32: VIS-CV5-AMP-160	33: VIS-CV5-AMP-161	34: VIS-CV5-AMP-162	35: VIS-CV5-AMP-163	36: VIS-CV5-AMP-164	37: VIS-CV5-AMP-165	38: VIS-CV5-AMP-166	39: VIS-CV5-AMP-167	40: VIS-CV5-AMP-168
Pd [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pr [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Pt [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Rh [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Rb [mg/L]	---	---	0.0141	---	---	---	0.0092	---	---	---
Re [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ru [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sc [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ta [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tb [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Te [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Th [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tm [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---

Analysis	41: VIS-CV5-AMP-169	42: VIS-CV5-AMP-170	43: VIS-CV5-AMP-171	44: VIS-CV5-AMP-172	45: VIS-CV5-AMP-173	46: VIS-CV5-AMP-174	47: VIS-CV5-AMP-175	48: VIS-CV5-AMP-176	49: VIS-CV5-AMP-177	50: VIS-CV5-AMP-178
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	19	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1	1	1	1	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.73	7.96	8.21	7.92	7.89	7.95	8.01	7.83	7.86	7.92
Conductivity [uS/cm]	63	60	64	48	62	51	63	40	51	59
Alkalinity [mg/L as CaCO3]	28	26	27	21	27	21	28	15	21	26
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.11	< 0.06	< 0.06	0.07	< 0.06	0.08	< 0.06	0.69	0.08
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	41: VIS-CV5-AMP-169	42: VIS-CV5-AMP-170	43: VIS-CV5-AMP-171	44: VIS-CV5-AMP-172	45: VIS-CV5-AMP-173	46: VIS-CV5-AMP-174	47: VIS-CV5-AMP-175	48: VIS-CV5-AMP-176	49: VIS-CV5-AMP-177	50: VIS-CV5-AMP-178
Tot.Reactive P [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.701	0.455	0.498	0.738	0.442	0.666	0.492	0.564	0.402	0.491
As [mg/L]	0.0112	0.0245	0.0178	0.0037	0.0118	0.0029	0.0538	0.0222	0.0382	0.0301
Ba [mg/L]	0.00088	0.00059	0.00160	0.00035	0.00049	0.00022	0.00057	0.00428	0.00050	0.00083
Be [mg/L]	< 0.000007	0.000011	< 0.000007	< 0.000007	0.000014	< 0.000007	< 0.000007	0.000011	0.000009	0.000009
B [mg/L]	0.023	0.021	0.022	0.004	0.024	0.002	0.025	0.023	0.025	0.024
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.28	6.43	6.46	7.13	6.48	7.79	6.28	2.77	4.49	6.17
Cd [mg/L]	0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	0.000060
Co [mg/L]	0.000106	0.000058	0.000086	0.000006	0.000101	0.000010	0.000020	0.000245	0.000076	0.000089
Cr [mg/L]	0.00050	0.00014	0.00045	< 0.00008	0.00033	< 0.00008	0.00013	0.00070	0.00047	0.00039
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe [mg/L]	0.149	0.094	0.106	< 0.007	0.104	< 0.007	0.020	0.294	0.074	0.094
K [mg/L]	0.518	0.289	0.613	0.227	0.473	0.106	0.629	0.511	0.434	0.494
Li [mg/L]	0.0138	0.0171	0.0464	0.0278	0.0287	0.0211	0.0252	0.0331	0.0297	0.0182
Mg [mg/L]	0.809	0.728	0.665	0.522	0.658	0.486	0.566	0.804	0.529	0.620
Mn [mg/L]	0.00318	0.00155	0.00255	0.00092	0.00238	0.00094	0.00059	0.00469	0.00178	0.00282
Mo [mg/L]	0.0044	0.0013	0.0067	< 0.0004	< 0.0004	< 0.0004	< 0.0004	0.0005	0.0005	0.0004
Na [mg/L]	5.22	4.49	5.12	1.09	5.10	0.80	4.87	4.27	4.45	4.62
Ni [mg/L]	0.0004	0.0001	0.0003	< 0.0001	0.0002	0.0002	0.0001	0.0010	0.0005	0.0004
P [mg/L]	< 0.003	0.004	0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.006	0.007	< 0.003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00029
Sb [mg/L]	0.0035	0.0056	0.0047	0.0038	0.0056	< 0.0009	0.0219	0.0137	0.0744	0.0093
Se [mg/L]	< 0.00004	0.00012	0.00011	0.00007	0.00009	0.00007	0.00016	< 0.00004	0.00011	0.00014
Si [mg/L]	2.54	1.85	1.98	2.01	1.74	1.75	2.18	2.12	1.54	1.86
Sn [mg/L]	0.00086	0.00126	0.00015	0.00027	0.00018	0.00021	0.00187	0.00147	0.00008	0.00016
Sr [mg/L]	0.00765	0.00706	0.0134	0.00828	0.00989	0.00773	0.0105	0.00478	0.00597	0.00625
Ti [mg/L]	0.0055	0.0030	0.0052	0.0002	0.0047	0.0002	0.0006	0.0103	0.0029	0.0032
Tl [mg/L]	< 0.000005	< 0.000005	0.000011	< 0.000005	0.000014	< 0.000005	< 0.000005	0.000006	0.000032	0.000011
U [mg/L]	0.000129	0.000016	0.000029	0.000131	0.000138	0.000315	0.000055	0.000006	0.000007	0.000041
V [mg/L]	0.00461	0.00562	0.00424	0.00463	0.00362	0.00288	0.00504	0.00345	0.00352	0.00525

OnLine LIMS

00040599656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	41: VIS-CV5-AMP-169	42: VIS-CV5-AMP-170	43: VIS-CV5-AMP-171	44: VIS-CV5-AMP-172	45: VIS-CV5-AMP-173	46: VIS-CV5-AMP-174	47: VIS-CV5-AMP-175	48: VIS-CV5-AMP-176	49: VIS-CV5-AMP-177	50: VIS-CV5-AMP-178
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.047
Au [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	0.00001	---	---	---	0.00002	---	---	---	0.00002	---
Cs [mg/L]	0.0007	---	---	---	0.0095	---	---	---	0.0134	---
Dy [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Er [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Eu [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ga [mg/L]	0.0003	---	---	---	0.0004	---	---	---	0.0003	---
Gd (tot) [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ge [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
In [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ir [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00001	---
Lu [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	< 0.00001	---	---	---	0.00001	---	---	---	< 0.00001	---
Os [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pr [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Pt [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	0.0032	---	---	---	0.0197	---	---	---	0.0222	---
Re [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sc [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ta [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Te [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---

OnLine LIMS

0004059956

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Analysis	51: VIS-CV5-AMP-179	52: VIS-CV5-AMP-180	53: VIS-CV5-AMP-148	54: VIS-CV5-AMP-168	55: VIS-CV5-AMP-180	56:BLK: $SPLP1312 Blank #1
Sample Date & Time	NA	NA				
Sample weight [g]	20	20	20	20	20	---
Ext Fluid [#1 or #2]	1	1	1	1	1	1
Ext Volume [mL]	400	400	400	400	400	400
pH [No unit]	7.92	9.04	8.11	9.06	8.97	4.37
Conductivity [uS/cm]	52	59	59	65	59	20
Alkalinity [mg/L as CaCO3]	23	26	25	29	25	< 2
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	3
F [mg/L]	0.10	0.10	< 0.06	0.07	0.10	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6
Tot.Reactive P [mg/L]	0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.727	0.431	0.379	0.324	0.403	0.001
As [mg/L]	0.118	0.0209	0.0092	0.0351	0.0228	0.0054
Ba [mg/L]	0.00079	0.00089	0.00056	0.00096	0.00075	0.00042
Be [mg/L]	0.000013	0.000008	< 0.000007	< 0.000007	0.000008	< 0.000007
B [mg/L]	0.047	0.036	0.023	0.032	0.037	< 0.002
Bi [mg/L]	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	7.69	4.63	7.28	5.87	4.77	0.04
Cd [mg/L]	0.000003	0.000004	0.000014	0.000006	0.000003	0.000173
Co [mg/L]	0.000009	0.000064	0.000034	0.000023	0.000061	0.000024
Cr [mg/L]	< 0.00008	0.00046	0.00021	0.00014	0.00033	< 0.00008
Cu [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001
Fe [mg/L]	< 0.007	0.096	0.038	0.031	0.087	< 0.007
K [mg/L]	0.557	0.417	0.177	0.729	0.449	0.103
Li [mg/L]	0.0186	0.0595	0.0239	0.0241	0.0672	0.0001
Mg [mg/L]	0.652	0.691	0.440	0.820	0.724	0.019
Mn [mg/L]	0.00181	0.00187	0.00135	0.00113	0.00166	0.00066

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00004059956

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-AMP-179	52: VIS-CV5-AMP-180	53: VIS-CV5-AMP-148	54: VIS-CV5-AMP-168	55: VIS-CV5-AMP-180	56:BLK: $SPLP1312 Blank #1
Mo [mg/L]	0.0006	0.0020	< 0.0004	0.0140	0.0038	0.0007
Na [mg/L]	0.61	6.14	4.80	5.76	5.88	< 0.01
Ni [mg/L]	< 0.0001	0.0002	0.0003	< 0.0001	0.0002	0.0010
P [mg/L]	0.024	< 0.003	< 0.003	0.004	< 0.003	< 0.003
Pb [mg/L]	< 0.00009	0.00029	0.00015	< 0.00009	0.00029	0.00413
Sb [mg/L]	0.0116	0.0247	0.0032	0.0089	0.0286	< 0.0009
Se [mg/L]	0.00013	0.00007	0.00006	< 0.00004	0.00006	< 0.00004
Si [mg/L]	1.48	2.02	1.77	2.18	1.89	< 0.02
Sn [mg/L]	0.00006	0.00012	0.00030	0.00017	0.00016	< 0.00006
Sr [mg/L]	0.00710	0.0137	0.00639	0.0165	0.0148	0.00039
Ti [mg/L]	0.0002	0.0057	0.0014	0.0008	0.0051	< 0.0001
Tl [mg/L]	0.000012	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000031	0.000221	0.000085	0.000010	0.000075	0.000015
V [mg/L]	0.00453	0.00507	0.00365	0.00470	0.00522	0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.012
Au [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce [mg/L]	---	---	< 0.00001	< 0.00001	0.00003	0.00001
Cs [mg/L]	---	---	0.0099	0.0019	0.0077	0.0002
Dy [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Er [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Eu [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ga [mg/L]	---	---	0.0002	0.0003	0.0006	< 0.0001
Gd (tot) [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
In [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ir [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
La [mg/L]	---	---	< 0.00001	< 0.00001	0.00001	< 0.00001
Lu [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd [mg/L]	---	---	< 0.00001	< 0.00001	0.00002	< 0.00001
Os [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00040599596

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-AMP-179	52: VIS-CV5-AMP-180	53: VIS-CV5-AMP-148	54: VIS-CV5-AMP-168	55: VIS-CV5-AMP-180	56:BLK: $SPLP1312 Blank #1
Pd [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pt [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Rb [mg/L]	---	---	0.0092	0.0048	0.0045	0.0002
Re [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ru [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sm [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Te [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th [mg/L]	---	---	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm [mg/L]	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	#1 or #2	NA	N	N
	g	NA	N	N
	mL	NA	N	N
Acidity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Alkalinity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	Y
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Fluoride by Specific Ion Electrode	mg/L	ME-CA-[ENV]EWL-LAK-AN-014	Y	Y
Inorganics-General	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	N
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	Y
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Reactive Phosphorus by SFA	mg/L	ME-CA-[ENV]SFA-LAK-AN-004	Y	N

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

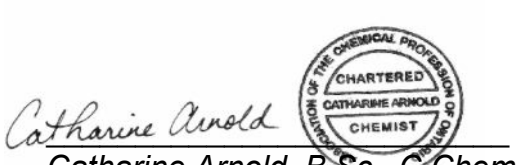
00004059656

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Acidity - QCBatchID: EWL0128-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	98	90	110	NA		
Acidity - QCBatchID: EWL0129-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	100	90	110	NA		
Acidity - QCBatchID: EWL0130-MAR25													
Acidity	2	mg/L as Ca	< 2			ND	20	96	90	110	NA		
Acidity - QCBatchID: EWL0162-MAR25													
Acidity	2	mg/L as Ca	< 2			ND	20	104	90	110	NA		
Alkalinity - QCBatchID: EWL0128-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Alkalinity - QCBatchID: EWL0129-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	98	80	120	NA		
Alkalinity - QCBatchID: EWL0130-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	98	80	120	NA		
Alkalinity - QCBatchID: EWL0162-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	109	80	120	NA		
Anions by IC - QCBatchID: DIO0123-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	104	90	110	100	75	125
Chloride	0.2	mg/L	<0.2			5	20	104	90	110	105	75	125
Nitrate (as N)	0.06	mg/L	<0.06			9	20	102	90	110	102	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	101	90	110	102	75	125
Sulphate	0.2	mg/L	<0.2			10	20	101	90	110	98	75	125
Anions by IC - QCBatchID: DIO0124-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	108	90	110	103	75	125
Chloride	0.2	mg/L	<0.2			5	20	104	90	110	104	75	125
Nitrate (as N)	0.06	mg/L	<0.06			14	20	101	90	110	102	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	100	90	110	102	75	125
Sulphate	0.2	mg/L	<0.2			ND	20	101	90	110	99	75	125
Anions by IC - QCBatchID: DIO0137-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	107	90	110	107	75	125
Chloride	0.2	mg/L	<0.2			4	20	103	90	110	106	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	102	90	110	105	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	102	90	110	105	75	125
Sulphate	0.2	mg/L	<0.2			4	20	102	90	110	102	75	125
Anions by IC - QCBatchID: DIO0141-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	108	90	110	106	75	125

OnLine LIMS

0004059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0)
20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Chloride	0.2	mg/L	<0.2			ND	20	103	90	110	109	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	103	90	110	103	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	102	90	110	106	75	125
Sulphate	0.2	mg/L	<0.2			6	20	102	90	110	101	75	125
Conductivity - QCBatchID: EWL0128-MAR25													
Conductivity	2	uS/cm	< 2			3	20	101	90	110	NA		
Conductivity - QCBatchID: EWL0129-MAR25													
Conductivity	2	uS/cm	< 2			2	20	100	90	110	NA		
Conductivity - QCBatchID: EWL0130-MAR25													
Conductivity	2	uS/cm	2			3	20	107	90	110	NA		
Fluoride by Specific Ion Electrode - QCBatchID: EWL0114-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	101	90	110	110	75	125
Fluoride by Specific Ion Electrode - QCBatchID: EWL0123-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	103	90	110	107	75	125
Fluoride by Specific Ion Electrode - QCBatchID: EWL0132-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	99	90	110	100	75	125
Inorganics-General - QCBatchID: EHG0010-MAR25													
Mercury	0.00001	mg/L	< 0.00001			ND	20	83	80	120	70	70	130
Inorganics-General - QCBatchID: EHG0012-MAR25													
Mercury	0.00001	mg/L	< 0.00001			ND	20	113	80	120	124	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0049-MAR25													
Aluminum	0.001	mg/L	<0.001			2	20	102	90	110	114	70	130
Antimony	0.0009	mg/L	<0.0009			ND	20	109	90	110	118	70	130
Arsenic	0.0002	mg/L	<0.0002			0	20	96	90	110	93	70	130
Barium	0.00008	mg/L	<0.00008			4	20	99	90	110	118	70	130
Beryllium	0.000007	mg/L	<0.000007			ND	20	108	90	110	101	70	130
Bismuth	0.00001	mg/L	<0.00001			ND	20	96	90	110	125	70	130
Boron	0.002	mg/L	<0.002			ND	20	106	90	110	96	70	130
Cadmium	0.000003	mg/L	<0.000003			1	20	101	90	110	121	70	130
Calcium	0.01	mg/L	<0.01			7	20	103	90	110	110	70	130
Cesium	0.0001	mg/L	<0.0001			4	20	105	90	110	NV	70	130
Chromium	0.00008	mg/L	<0.00008			ND	20	99	90	110	117	70	130
Cobalt	0.000004	mg/L	<0.000004			0	20	97	90	110	105	70	130
Copper	0.001	mg/L	<0.001			3	20	98	90	110	104	70	130
Germanium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Gold	0.00001	mg/L	<0.00001			ND	20	95	90	110	NV	70	130
Hafnium	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130
Iridium	0.00001	mg/L	<0.00001			ND	20	103	90	110	NV	70	130
Iron	0.007	mg/L	<0.007			ND	20	100	90	110	100	70	130

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

000405956

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Lead	0.00009	mg/L	<0.00009			0	20	96	90	110	95	70	130	
Lithium	0.0001	mg/L	<0.0001			6	20	105	90	110	111	70	130	
Magnesium	0.001	mg/L	<0.001			0	20	100	90	110	94	70	130	
Manganese	0.00001	mg/L	<0.00001			9	20	100	90	110	111	70	130	
Molybdenum	0.0004	mg/L	<0.0004			5	20	101	90	110	97	70	130	
Nickel	0.0001	mg/L	<0.0001			4	20	99	90	110	103	70	130	
Niobium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130	
Osmium	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130	
Palladium	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130	
Phosphorus	0.003	mg/L	<0.003			ND	20	98	90	110	NV	70	130	
Platinum	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130	
Potassium	0.009	mg/L	<0.009			4	20	103	90	110	95	70	130	
Rhenium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130	
Rhodium	0.00001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130	
Rubidium	0.0001	mg/L	< 0.0001			5	20	103	90	110	NV	70	130	
Ruthenium	0.00001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130	
Selenium	0.00004	mg/L	<0.00004			ND	20	100	90	110	107	70	130	
Silicon	0.02	mg/L	<0.02			ND	20	99	90	110	NV	70	130	
Silver	0.00005	mg/L	<0.00005			ND	20	98	90	110	91	70	130	
Sodium	0.01	mg/L	<0.01			ND	20	105	90	110	103	70	130	
Strontium	0.00008	mg/L	<0.00008			11	20	98	90	110	100	70	130	
Tantalum	0.0001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130	
Tellurium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Thallium	0.000005	mg/L	<0.000005			ND	20	97	90	110	122	70	130	
Thorium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Tin	0.00006	mg/L	<0.00006			ND	20	97	90	110	NV	70	130	
Titanium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130	
Uranium	0.000002	mg/L	<0.000002			6	20	100	90	110	114	70	130	
Vanadium	0.00001	mg/L	<0.00001			17	20	98	90	110	110	70	130	
Zinc	0.002	mg/L	<0.002			1	20	97	90	110	89	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0061-MAR25														
Aluminum	0.001	mg/L	<0.001			5	20	94	90	110	110	70	130	
Antimony	0.0009	mg/L	<0.0009			ND	20	106	90	110	112	70	130	
Arsenic	0.0002	mg/L	<0.0002			5	20	100	90	110	102	70	130	
Barium	0.00008	mg/L	<0.00008			0	20	98	90	110	73	70	130	
Beryllium	0.000007	mg/L	<0.000007			ND	20	94	90	110	97	70	130	
Bismuth	0.00001	mg/L	<0.00001			ND	20	95	90	110	86	70	130	
Boron	0.002	mg/L	<0.002			1	20	94	90	110	103	70	130	
Cadmium	0.000003	mg/L	<0.000003			ND	20	101	90	110	101	70	130	

OnLine LIMS

00040059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0)
20:1 L/S ratio, 18hr

LR Report : **CA11015-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Calcium	0.01	mg/L	<0.01			2	20	99	90	110	105	70	130	
Cesium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Chromium	0.00008	mg/L	<0.00008			ND	20	102	90	110	86	70	130	
Cobalt	0.000004	mg/L	<0.000004			ND	20	99	90	110	95	70	130	
Copper	0.001	mg/L	<0.001			3	20	100	90	110	73	70	130	
Germanium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Gold	0.00001	mg/L	<0.00001			ND	20	96	90	110	NV	70	130	
Hafnium	0.0001	mg/L	<0.0001			ND	20	94	90	110	NV	70	130	
Iridium	0.00001	mg/L	<0.00001			ND	20	104	90	110	NV	70	130	
Iron	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130	
Lead	0.00009	mg/L	<0.00009			ND	20	97	90	110	92	70	130	
Lithium	0.0001	mg/L	<0.0001			0	20	96	90	110	91	70	130	
Magnesium	0.001	mg/L	<0.001			3	20	101	90	110	105	70	130	
Manganese	0.00001	mg/L	<0.00001			2	20	101	90	110	105	70	130	
Molybdenum	0.0004	mg/L	<0.0004			1	20	101	90	110	97	70	130	
Nickel	0.0001	mg/L	<0.0001			3	20	103	90	110	93	70	130	
Niobium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130	
Osmium	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130	
Palladium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Phosphorus	0.003	mg/L	<0.003			ND	20	96	90	110	NV	70	130	
Platinum	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130	
Potassium	0.009	mg/L	<0.009			1	20	103	90	110	104	70	130	
Rhenium	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130	
Rhodium	0.00001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130	
Rubidium	0.0001	mg/L	<0.0001			0	20	92	90	110	NV	70	130	
Ruthenium	0.00001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130	
Selenium	0.00004	mg/L	<0.00004			3	20	94	90	110	94	70	130	
Silicon	0.02	mg/L	<0.02			0	20	97	90	110	NV	70	130	
Silver	0.00005	mg/L	<0.00005			ND	20	101	90	110	72	70	130	
Sodium	0.01	mg/L	<0.01			1	20	100	90	110	104	70	130	
Strontium	0.00008	mg/L	<0.00008			1	20	100	90	110	104	70	130	
Tantalum	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Tellurium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Thallium	0.000005	mg/L	<0.000005			ND	20	96	90	110	94	70	130	
Thorium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Tin	0.00006	mg/L	<0.00006			5	20	96	90	110	NV	70	130	
Titanium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Uranium	0.000002	mg/L	<0.000002			1	20	98	90	110	98	70	130	
Vanadium	0.00001	mg/L	<0.00001			10	20	102	90	110	108	70	130	

OnLine LIMS

00040059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank				Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)			Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High			Low	High
Zinc	0.002	mg/L	<0.002			ND	20	100	90	110		103	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0067-MAR25														
Cerium	0.00001	mg/L	<0.00001			ND	20	97	90	110		NV	70	130
Dysprosium	0.00001	mg/L	<0.00001			ND	20	97	90	110		NV	70	130
Erbium	0.00001	mg/L	<0.00001			ND	20	98	90	110		NV	70	130
Europium	0.00001	mg/L	<0.00001			ND	20	96	90	110		NV	70	130
Gadolinium	0.00001	mg/L	<0.0001			ND	20	98	90	110		NV	70	130
Gallium	0.0001	mg/L	<0.0001			2	20	100	90	110		NV	70	130
Holmium	0.00001	mg/L	<0.00001			ND	20	99	90	110		NV	70	130
Indium	0.00001	mg/L	<0.00001			5	20	98	90	110		NV	70	130
Lanthanum	0.00001	mg/L	<0.00001			ND	20	96	90	110		NV	70	130
Lutetium	0.0001	mg/L	<0.0001			ND	20	96	90	110		NV	70	130
Neodymium	0.00001	mg/L	<0.00001			ND	20	99	90	110		NV	70	130
Praseodymium	0.00001	mg/L	<0.00001			ND	20	98	90	110		NV	70	130
Samarium	0.00001	mg/L	<0.00001			ND	20	98	90	110		NV	70	130
Scandium	0.0001	mg/L	<0.0001			ND	20	97	90	110		NV	70	130
Terbium	0.00001	mg/L	<0.00001			ND	20	100	90	110		NV	70	130
Thulium	0.00001	mg/L	<0.00001			ND	20	98	90	110		NV	70	130
pH - QCBatchID: EWL0129-MAR25														
pH	0.05	No unit	NA			2		99				NA		
Reactive Phosphorus by SFA - QCBatchID: SKA0059-MAR25														
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			2	10	96	90	110		81	75	125

OnLine LIMS

00040059656

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

24-March-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11016-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Sample weight g	Volume D.I. Water mL	pH No unit	Conductivity uS/cm	Alkalinity mg/L as CaCO3	Acidity mg/L as CaCO3	F mg/L	Br mg/L	Cl mg/L	SO4 mg/L
1: Analysis Start Date		03-Mar-25	04-Mar-25	11-Mar-25	11-Mar-25	11-Mar-25	11-Mar-25	11-Mar-25	11-Mar-25	11-Mar-25	11-Mar-25
2: Analysis Start Time		17:25	06:42	12:48	12:48	12:48	12:48	13:02	12:55	12:55	12:55
3: Analysis Completed Date		13-Mar-25	13-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	17-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
4: Analysis Completed Time		08:56	08:56	15:27	15:27	15:27	13:36	15:27	15:16	15:16	15:16
5: VIS-CV5-AMP-133	NA	100	400	9.11	237	57	< 2	0.48	< 30	< 20	21
6: VIS-CV5-AMP-134	NA	99	400	8.90	303	60	< 2	0.30	< 30	< 20	36
7: VIS-CV5-AMP-135	NA	101	400	9.36	191	64	< 2	1.52	< 30	< 20	< 20
8: VIS-CV5-AMP-136	NA	100	400	9.41	140	55	< 2	0.89	< 30	< 20	< 20
9: VIS-CV5-AMP-137	NA	100	400	9.01	166	56	< 2	0.41	< 30	< 20	< 20
10: VIS-CV5-AMP-138	NA	100	400	9.17	141	57	< 2	0.44	< 30	< 20	< 20
11: VIS-CV5-AMP-139	NA	100	400	9.02	162	55	< 2	0.61	< 30	< 20	< 20
12: VIS-CV5-AMP-140	NA	100	400	8.99	228	53	< 2	0.21	< 30	< 20	22
13: VIS-CV5-AMP-141	NA	100	400	8.81	203	74	< 2	0.97	< 30	< 20	< 20
14: VIS-CV5-AMP-142	NA	100	400	9.20	148	42	< 2	0.50	< 30	< 20	< 20
15: VIS-CV5-AMP-143	NA	100	400	8.72	192	55	< 2	6.08	< 30	< 20	< 20
16: VIS-CV5-AMP-144	NA	101	400	8.85	157	49	< 2	1.88	< 30	< 20	< 20
17: VIS-CV5-AMP-145	NA	100	400	9.16	143	49	< 2	0.36	< 30	< 20	< 20
18: VIS-CV5-AMP-146	NA	100	400	9.44	165	54	< 2	0.79	< 30	< 20	< 20
19: VIS-CV5-AMP-147	NA	100	400	9.13	134	42	< 2	0.43	< 30	< 20	< 20

OnLine LIMS

00040550S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11016-FEB25

Sample ID	Sample Date & Time	Sample weight g	Volume D.I. Water mL	pH No unit	Conductivity uS/cm	Alkalinity mg/L as CaCO3	Acidity mg/L as CaCO3	F mg/L	Br mg/L	Cl mg/L	SO4 mg/L
20: VIS-CV5-AMP-148	NA	99	400	9.02	120	46	< 2	0.41	< 30	< 20	< 20
21: VIS-CV5-AMP-149	NA	100	400	8.97	163	53	< 2	1.64	< 30	< 20	< 20
22: VIS-CV5-AMP-150	NA	100	400	8.48	215	51	< 2	1.23	< 30	< 20	< 20
23: VIS-CV5-AMP-151	NA	100	400	8.45	152	45	< 2	0.70	< 30	< 20	< 20
24: VIS-CV5-AMP-152	NA	100	400	9.61	132	61	< 2	2.04	< 30	< 20	< 20
25: VIS-CV5-AMP-153	NA	99	400	9.14	200	70	< 2	2.33	< 30	< 20	< 20
26: VIS-CV5-AMP-154	NA	100	400	8.89	192	63	< 2	0.72	< 30	< 20	< 20
27: VIS-CV5-AMP-155	NA	100	400	9.24	218	73	< 2	3.14	< 30	< 20	< 20
28: VIS-CV5-AMP-156	NA	100	400	8.79	108	43	< 2	0.87	< 30	< 20	< 20
29: VIS-CV5-AMP-157	NA	100	400	9.15	134	49	< 2	0.44	< 30	< 20	< 20
30: VIS-CV5-AMP-158	NA	100	400	9.13	132	51	< 2	0.17	< 30	< 20	< 20
31: VIS-CV5-AMP-159	NA	99	400	8.91	204	61	< 2	6.34	< 30	< 20	< 20
32: VIS-CV5-AMP-160	NA	100	400	8.86	244	76	< 2	8.44	< 30	< 20	< 20
33: VIS-CV5-AMP-161	NA	100	400	8.79	162	49	< 2	1.56	< 30	< 20	< 20
34: VIS-CV5-AMP-162	NA	100	400	9.06	175	64	< 2	1.83	< 30	< 20	< 20
35: VIS-CV5-AMP-163	NA	99	400	8.28	501	62	< 2	0.82	< 30	< 20	74
36: VIS-CV5-AMP-164	NA	100	400	8.75	152	52	< 2	0.88	< 30	< 20	< 20
37: VIS-CV5-AMP-165	NA	100	400	8.91	200	76	< 2	1.98	< 30	< 20	< 20
38: VIS-CV5-AMP-166	NA	100	400	8.98	134	55	< 2	1.26	< 30	< 20	< 20
39: VIS-CV5-AMP-167	NA	99	400	8.67	206	64	< 2	0.85	< 30	< 20	< 20
40: VIS-CV5-AMP-168	NA	100	400	8.80	153	59	< 2	1.29	< 30	< 20	< 20
41: VIS-CV5-AMP-169	NA	100	400	8.93	164	57	< 2	0.90	< 30	< 20	< 20
42: VIS-CV5-AMP-170	NA	100	400	8.77	210	60	< 2	2.10	< 30	< 20	< 20
43: VIS-CV5-AMP-171	NA	100	400	9.02	162	55	< 2	0.64	< 30	< 20	< 20
44: VIS-CV5-AMP-172	NA	99	400	9.39	132	48	< 2	0.36	< 30	< 20	< 20
45: VIS-CV5-AMP-173	NA	101	400	9.03	138	50	< 2	1.00	< 30	< 20	< 20
46: VIS-CV5-AMP-174	NA	100	400	8.98	135	41	< 2	0.12	< 30	< 20	< 20
47: VIS-CV5-AMP-175	NA	100	400	8.82	222	54	< 2	0.83	< 30	< 20	< 20
48: VIS-CV5-AMP-176	NA	100	400	9.20	150	65	< 2	0.71	< 30	< 20	< 20
49: VIS-CV5-AMP-177	NA	100	400	8.79	184	56	< 2	6.34	< 30	< 20	< 20
50: VIS-CV5-AMP-178	NA	100	400	8.93	169	56	< 2	1.81	< 30	< 20	< 20
51: VIS-CV5-AMP-179	NA	100	400	8.88	182	59	< 2	1.85	< 30	< 20	< 20
52: VIS-CV5-AMP-180	NA	100	400	9.23	193	77	< 2	1.70	< 30	< 20	< 20

OnLine LIMS

00040550S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Sample Date & Time	Sample weight g	Volume D.I. Water mL	pH No unit	Conductivity uS/cm	Alkalinity mg/L as CaCO3	Acidity mg/L as CaCO3	F mg/L	Br mg/L	Cl mg/L	SO4 mg/L
53-DUP: VIS-CV5-AMP-152		100	400	9.68	130	58	< 2	1.99	< 30	< 20	< 20
54-DUP: VIS-CV5-AMP-180		100	400	9.05	191	79	< 2	1.69	< 30	< 20	< 20
55-BLK: CTEU Blank		< 0.001	400	7.60	5	2	< 2	< 0.06	< 30	< 20	< 20

Sample ID	NO2 as N mg/L	NO3 as N mg/L	Tot.Reactive P mg/L	Hg mg/L	Ag mg/L	Al mg/L	As mg/L	Ba mg/L	Be mg/L	B mg/L	Bi mg/L	Ca mg/L
1: Analysis Start Date	11-Mar-25	11-Mar-25	11-Mar-25	17-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25
2: Analysis Start Time	12:55	12:55	11:10	11:08	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25
3: Analysis Completed Date	14-Mar-25	14-Mar-25	17-Mar-25	17-Mar-25	18-Mar-25	18-Mar-25	19-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
4: Analysis Completed Time	15:16	15:16	09:39	14:24	22:29	22:29	08:48	22:29	22:29	22:29	22:29	22:29
5: VIS-CV5-AMP-133	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.511	0.0129	0.00241	< 0.000007	0.134	< 0.00001	8.07
6: VIS-CV5-AMP-134	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.284	0.0402	0.00170	< 0.000007	0.070	< 0.00001	15.6
7: VIS-CV5-AMP-135	< 3	< 6	0.30	< 0.00001	< 0.00005	0.316	0.893	0.00154	< 0.000007	0.122	< 0.00001	5.45
8: VIS-CV5-AMP-136	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.781	0.0682	0.00075	< 0.000007	0.091	< 0.00001	4.33
9: VIS-CV5-AMP-137	< 3	< 6	0.35	< 0.00001	< 0.00005	0.409	0.948	0.00139	< 0.000007	0.205	0.00002	6.29
10: VIS-CV5-AMP-138	< 3	< 6	0.04	< 0.00001	< 0.00005	0.772	0.137	0.00108	0.000011	0.111	< 0.00001	4.56
11: VIS-CV5-AMP-139	< 3	< 6	0.09	< 0.00001	< 0.00005	1.13	0.235	0.00265	0.000009	0.208	< 0.00001	4.40
12: VIS-CV5-AMP-140	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.180	0.0082	0.00108	< 0.000007	0.062	< 0.00001	14.9
13: VIS-CV5-AMP-141	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.410	0.0659	0.00178	0.000018	0.090	< 0.00001	7.65
14: VIS-CV5-AMP-142	< 3	< 6	0.05	< 0.00001	< 0.00005	1.22	0.0110	0.00181	0.000009	0.063	0.00002	5.89
15: VIS-CV5-AMP-143	< 3	< 6	0.04	< 0.00001	0.00006	0.244	0.298	0.00172	< 0.000007	0.149	< 0.00001	10.2
16: VIS-CV5-AMP-144	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.555	0.0710	0.00106	< 0.000007	0.117	< 0.00001	6.61
17: VIS-CV5-AMP-145	< 3	< 6	< 0.03	< 0.00001	< 0.00005	1.20	0.0309	0.00084	< 0.000007	0.112	0.00001	6.30
18: VIS-CV5-AMP-146	< 3	< 6	0.10	< 0.00001	< 0.00005	0.905	0.237	0.00192	0.000017	0.104	0.00002	4.98
19: VIS-CV5-AMP-147	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.113	0.0234	0.00108	< 0.000007	0.100	< 0.00001	5.18
20: VIS-CV5-AMP-148	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.953	0.0219	0.00052	< 0.000007	0.066	< 0.00001	4.16
21: VIS-CV5-AMP-149	< 3	< 6	0.20	< 0.00001	< 0.00005	0.504	0.560	0.00148	0.000024	0.082	0.00003	6.62
22: VIS-CV5-AMP-150	< 3	< 6	< 0.03	< 0.00001	0.00011	0.504	0.169	0.00232	0.000042	0.159	0.00002	9.77
23: VIS-CV5-AMP-151	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.198	0.0624	0.00093	< 0.000007	0.087	< 0.00001	6.28
24: VIS-CV5-AMP-152	< 3	< 6	0.06	< 0.00001	< 0.00005	1.52	0.122	0.00202	0.000017	0.108	0.00002	4.16
25: VIS-CV5-AMP-153	< 3	< 6	0.11	< 0.00001	< 0.00005	0.189	0.499	0.00213	0.000043	0.121	< 0.00001	9.90
26: VIS-CV5-AMP-154	< 3	< 6	0.05	< 0.00001	< 0.00005	0.781	0.0640	0.00224	0.000035	0.216	0.00002	4.72

OnLine LIMS

00040550S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11016-FEB25**

Sample ID	NO2 as N mg/L	NO3 as N mg/L	Tot.Reactive P mg/L	Hg mg/L	Ag mg/L	Al mg/L	As mg/L	Ba mg/L	Be mg/L	B mg/L	Bi mg/L	Ca mg/L
27: VIS-CV5-AMP-155	< 3	< 6	1.09	< 0.00001	0.00008	0.508	3.14	0.00222	0.000099	0.130	0.00003	6.62
28: VIS-CV5-AMP-156	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.328	0.0772	0.00100	< 0.000007	0.055	0.00002	4.73
29: VIS-CV5-AMP-157	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.961	0.0484	0.00061	< 0.000007	0.086	< 0.00001	3.78
30: VIS-CV5-AMP-158	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.448	0.0071	0.00104	< 0.000007	0.073	< 0.00001	4.77
31: VIS-CV5-AMP-159	< 3	< 6	0.33	< 0.00001	< 0.00005	0.854	0.934	0.00546	0.000283	0.272	0.00006	7.25
32: VIS-CV5-AMP-160	< 3	< 6	0.44	< 0.00001	< 0.00005	0.886	1.21	0.00939	0.000222	0.149	0.00004	4.51
33: VIS-CV5-AMP-161	< 3	< 6	0.16	< 0.00001	0.00007	1.20	0.375	0.00701	0.000180	0.103	0.00003	8.39
34: VIS-CV5-AMP-162	< 3	< 6	0.05	< 0.00001	< 0.00005	1.12	0.0520	0.00142	< 0.000007	0.112	0.00002	3.45
35: VIS-CV5-AMP-163	< 3	< 6	< 0.03	< 0.00001	0.00012	0.036	0.0591	0.00686	< 0.000007	0.132	< 0.00001	33.0
36: VIS-CV5-AMP-164	< 3	< 6	0.05	< 0.00001	< 0.00005	0.262	0.131	0.00123	0.000008	0.117	< 0.00001	6.44
37: VIS-CV5-AMP-165	< 3	< 6	0.08	< 0.00001	< 0.00005	0.865	0.275	0.00157	0.000066	0.137	< 0.00001	5.17
38: VIS-CV5-AMP-166	< 3	< 6	0.06	< 0.00001	< 0.00005	0.962	0.185	0.00105	< 0.000007	0.106	< 0.00001	3.78
39: VIS-CV5-AMP-167	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.058	0.0157	0.00215	< 0.000007	0.120	< 0.00001	12.5
40: VIS-CV5-AMP-168	< 3	< 6	0.11	< 0.00001	< 0.00005	0.561	0.337	0.00164	0.000032	0.161	0.00001	4.16
41: VIS-CV5-AMP-169	< 3	< 6	0.07	< 0.00001	< 0.00005	0.816	0.188	0.00232	0.000043	0.152	0.00002	4.81
42: VIS-CV5-AMP-170	< 3	< 6	0.11	< 0.00001	< 0.00005	0.402	0.374	0.00162	0.000238	0.130	< 0.00001	7.16
43: VIS-CV5-AMP-171	< 3	< 6	0.11	< 0.00001	< 0.00005	0.653	0.277	0.00580	0.000029	0.090	< 0.00001	4.60
44: VIS-CV5-AMP-172	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.621	0.0187	0.00068	< 0.000007	0.106	< 0.00001	3.66
45: VIS-CV5-AMP-173	< 3	< 6	0.06	< 0.00001	< 0.00005	0.860	0.111	0.00100	0.000060	0.129	0.00004	4.22
46: VIS-CV5-AMP-174	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.349	0.0128	0.00075	< 0.000007	0.065	< 0.00001	4.94
47: VIS-CV5-AMP-175	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.164	0.396	0.00224	0.000026	0.146	< 0.00001	9.36
48: VIS-CV5-AMP-176	< 3	< 6	0.23	< 0.00001	< 0.00005	0.894	0.459	0.00940	0.000010	0.122	0.00002	2.88
49: VIS-CV5-AMP-177	< 3	< 6	0.19	< 0.00001	< 0.00005	1.61	0.493	0.00281	0.000215	0.136	0.00003	5.41
50: VIS-CV5-AMP-178	< 3	< 6	0.08	< 0.00001	< 0.00005	0.609	0.251	0.00186	0.000076	0.139	0.00002	5.78
51: VIS-CV5-AMP-179	< 3	< 6	0.16	< 0.00001	0.00013	0.619	0.471	0.00311	0.000132	0.254	0.00001	6.35
52: VIS-CV5-AMP-180	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.176	0.0517	0.00244	0.000010	0.117	< 0.00001	7.99
53-DUP: VIS-CV5-AMP-152	< 3	< 6	0.07	< 0.00001	< 0.00005	1.54	0.122	0.00204	0.000035	0.106	0.00002	4.25
54-DUP: VIS-CV5-AMP-180	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.176	0.0518	0.00253	0.000013	0.117	< 0.00001	7.93
55-BLK: CTEU Blank	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.003	< 0.0002	0.00102	< 0.000007	< 0.002	< 0.00001	0.01

OnLine LIMS

00004055057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11016-FEB25**

Sample ID	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L
1: Analysis Start Date	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25
2: Analysis Start Time	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25
3: Analysis Completed Date	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
4: Analysis Completed Time	22:29	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30
5: VIS-CV5-AMP-133	< 0.000003	0.000105	0.00087	0.002	0.120	14.1	1.59	2.80	0.00193	0.0038	19.3	0.0002
6: VIS-CV5-AMP-134	< 0.000003	0.000103	< 0.00008	0.002	0.107	1.31	0.984	10.3	0.00316	0.0020	21.9	0.0001
7: VIS-CV5-AMP-135	0.000004	0.000349	0.03071	0.001	0.289	6.55	1.85	4.19	0.00649	0.0053	17.6	0.0015
8: VIS-CV5-AMP-136	< 0.000003	0.000017	0.00334	< 0.001	0.010	3.47	1.28	2.17	0.00040	0.0011	12.8	0.0001
9: VIS-CV5-AMP-137	< 0.000003	0.000523	0.00471	0.002	0.498	9.76	1.41	2.40	0.00647	0.0013	12.8	0.0020
10: VIS-CV5-AMP-138	< 0.000003	0.000560	0.0194	0.001	0.573	5.98	0.958	2.54	0.00951	0.0028	15.4	0.0019
11: VIS-CV5-AMP-139	< 0.000003	0.000607	0.00536	0.003	0.609	10.4	1.07	1.18	0.0129	0.0024	17.8	0.0012
12: VIS-CV5-AMP-140	< 0.000003	0.000057	0.00014	0.002	< 0.007	0.524	0.836	8.02	0.00228	0.0010	12.0	0.0003
13: VIS-CV5-AMP-141	0.000007	0.000432	< 0.00008	< 0.001	0.698	3.41	0.194	5.08	0.0114	0.0268	22.6	0.0005
14: VIS-CV5-AMP-142	0.000008	0.000498	0.00535	0.006	0.687	2.55	1.61	2.71	0.0112	0.0008	12.8	0.0012
15: VIS-CV5-AMP-143	< 0.000003	0.000062	0.00099	< 0.001	0.012	3.86	1.41	4.84	0.00125	0.0042	14.5	0.0006
16: VIS-CV5-AMP-144	< 0.000003	0.000112	0.00335	< 0.001	0.151	3.37	1.32	2.01	0.00297	0.0029	13.6	0.0004
17: VIS-CV5-AMP-145	0.000009	0.000371	0.00781	0.004	0.503	1.89	1.39	2.64	0.00866	0.0140	12.7	0.0011
18: VIS-CV5-AMP-146	0.000077	0.000893	0.00634	0.004	0.877	6.98	1.09	3.35	0.01692	0.0058	16.7	0.0032
19: VIS-CV5-AMP-147	< 0.000003	0.000068	0.0127	< 0.001	0.104	4.91	0.927	1.46	0.00256	0.0030	12.9	0.0003
20: VIS-CV5-AMP-148	< 0.000003	0.000036	0.00414	< 0.001	0.041	1.90	1.38	1.31	0.00105	0.0010	11.3	0.0001
21: VIS-CV5-AMP-149	0.000004	0.000804	0.0251	0.005	0.671	2.96	2.34	3.96	0.0163	0.0012	12.8	0.0036
22: VIS-CV5-AMP-150	0.000004	0.000465	0.00423	0.003	0.404	8.96	1.61	4.34	0.00880	0.0115	14.6	0.0017
23: VIS-CV5-AMP-151	< 0.000003	0.000046	0.00237	< 0.001	0.048	1.95	1.00	2.33	0.00134	0.0029	15.6	0.0002
24: VIS-CV5-AMP-152	0.000008	0.000525	0.0190	0.002	0.538	3.26	2.23	2.01	0.0208	0.0033	11.6	0.0013
25: VIS-CV5-AMP-153	< 0.000003	0.000268	0.00243	< 0.001	0.234	4.75	0.678	6.54	0.00346	0.0052	17.1	0.0013
26: VIS-CV5-AMP-154	0.000008	0.000384	0.00615	0.003	0.645	12.6	0.888	2.36	0.0105	0.0087	19.3	0.0012
27: VIS-CV5-AMP-155	0.000013	0.00105	0.0452	0.001	0.553	13.4	2.25	4.99	0.0165	0.0042	17.4	0.0059
28: VIS-CV5-AMP-156	0.000011	0.000023	0.00233	< 0.001	< 0.007	3.58	1.04	0.951	0.00014	0.0015	9.38	0.0001
29: VIS-CV5-AMP-157	< 0.000003	0.000076	0.00317	< 0.001	0.122	0.935	2.37	0.884	0.00235	0.0008	12.8	0.0002
30: VIS-CV5-AMP-158	0.000003	0.000243	0.00350	0.004	0.473	3.18	0.201	2.12	0.00716	0.0008	15.6	0.0005
31: VIS-CV5-AMP-159	0.000015	0.00100	0.00518	0.005	0.856	17.0	1.71	3.36	0.0171	0.0055	13.1	0.0042
32: VIS-CV5-AMP-160	0.000008	0.000793	0.0136	0.002	0.743	36.2	3.15	2.40	0.0207	0.0028	9.20	0.0027
33: VIS-CV5-AMP-161	0.000022	0.00131	0.0152	0.010	1.74	8.24	0.816	3.42	0.0408	0.0128	12.3	0.0042

OnLine LIMS

00004055057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L	Mn mg/L	Mo mg/L	Na mg/L	Ni mg/L
34: VIS-CV5-AMP-162	0.000009	0.000177	0.00354	0.002	0.207	11.8	3.46	0.896	0.00366	0.0162	10.5	0.0003
35: VIS-CV5-AMP-163	0.000056	0.000419	0.00043	0.002	0.020	24.8	0.731	16.5	0.00738	0.0097	14.8	0.0046
36: VIS-CV5-AMP-164	0.000003	0.000131	0.00319	0.002	0.223	2.99	0.937	2.00	0.00482	0.0065	15.6	0.0004
37: VIS-CV5-AMP-165	0.000040	0.00104	0.00425	0.001	1.08	5.74	2.01	4.19	0.0146	0.0012	20.5	0.0021
38: VIS-CV5-AMP-166	0.000004	0.000120	0.00182	< 0.001	0.138	7.69	1.07	0.969	0.00234	0.0029	12.2	0.0004
39: VIS-CV5-AMP-167	0.000006	0.000043	0.00017	< 0.001	0.066	1.91	0.0554	6.91	0.00114	0.0057	15.7	0.0003
40: VIS-CV5-AMP-168	0.000004	0.00196	0.00898	0.003	0.770	9.44	0.731	2.44	0.0134	0.0018	16.1	0.0015
41: VIS-CV5-AMP-169	0.000007	0.000521	0.00695	0.002	0.696	9.38	0.749	1.93	0.0145	0.0054	17.5	0.0020
42: VIS-CV5-AMP-170	< 0.000003	0.000737	0.00235	0.003	0.427	4.43	0.697	3.86	0.00574	0.0019	22.7	0.0009
43: VIS-CV5-AMP-171	0.000005	0.000690	0.00368	0.001	0.645	10.5	0.947	1.13	0.0118	0.0019	17.7	0.0018
44: VIS-CV5-AMP-172	0.000003	0.000028	0.00129	< 0.001	0.022	2.22	1.25	0.738	0.00059	0.0021	16.6	< 0.0001
45: VIS-CV5-AMP-173	0.000006	0.000653	0.00326	0.002	0.846	6.55	0.562	1.30	0.0157	0.0121	15.9	0.0016
46: VIS-CV5-AMP-174	0.000012	0.000022	0.00069	< 0.001	0.018	0.651	0.552	1.10	0.00056	0.0016	17.1	0.0003
47: VIS-CV5-AMP-175	0.000004	0.000141	0.00225	< 0.001	0.103	7.40	0.563	3.34	0.00253	0.0037	21.2	0.0007
48: VIS-CV5-AMP-176	0.000016	0.000841	0.00531	0.001	0.784	8.75	1.62	1.52	0.0109	0.0236	15.9	0.0026
49: VIS-CV5-AMP-177	0.000013	0.00154	0.0112	0.007	1.58	6.06	1.36	2.62	0.0310	0.0023	20.3	0.0053
50: VIS-CV5-AMP-178	0.000006	0.000565	0.00548	0.002	0.563	6.90	0.734	2.57	0.0123	0.0037	17.5	0.0020
51: VIS-CV5-AMP-179	0.000048	0.000723	0.00204	0.004	0.612	10.1	0.818	3.60	0.0132	0.0057	15.6	0.0025
52: VIS-CV5-AMP-180	0.000012	0.000177	0.00101	< 0.001	0.228	2.79	1.11	4.78	0.00316	0.0108	21.1	0.0009
53-DUP: VIS-CV5-AMP-152	0.000003	0.000544	0.0198	0.002	0.611	3.13	2.20	2.02	0.0228	0.0005	11.5	0.0015
54-DUP: VIS-CV5-AMP-180	0.000019	0.000176	0.00097	< 0.001	0.236	2.82	1.12	4.81	0.00322	0.0111	20.9	0.0011
55-BLK: CTEU Blank	< 0.000003	0.000009	< 0.00008	< 0.001	< 0.007	0.299	< 0.0001	0.002	0.00014	< 0.0004	0.55	< 0.0001

Sample ID	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L	V mg/L	Zn mg/L
1: Analysis Start Date	14-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25
2: Analysis Start Time	15:59	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25	18:25
3: Analysis Completed Date	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
4: Analysis Completed Time	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30	22:30
5: VIS-CV5-AMP-133	< 0.003	< 0.00009	0.0861	0.00031	2.32	< 0.00006	0.00956	0.0053	0.000016	0.000040	0.0210	< 0.002
6: VIS-CV5-AMP-134	< 0.003	< 0.00009	0.0951	0.00084	1.68	< 0.00006	0.0197	0.0016	< 0.000005	0.000558	0.00386	< 0.002
7: VIS-CV5-AMP-135	< 0.003	0.00010	0.219	0.00043	4.48	< 0.00006	0.00804	0.0068	0.000023	0.000119	0.0649	< 0.002

OnLine LIMS

00040550S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L	V mg/L	Zn mg/L
8: VIS-CV5-AMP-136	< 0.003	< 0.00009	0.0856	0.00015	2.50	0.00066	0.00605	0.0005	0.000006	0.00155	0.0490	< 0.002
9: VIS-CV5-AMP-137	0.037	< 0.00009	0.0291	0.00012	5.27	< 0.00006	0.00685	0.0233	0.000021	0.000150	0.0608	< 0.002
10: VIS-CV5-AMP-138	0.005	< 0.00009	0.0261	0.00015	4.80	0.00010	0.00768	0.0123	0.000031	0.000176	0.0442	< 0.002
11: VIS-CV5-AMP-139	0.014	0.00010	0.241	0.00044	4.05	0.00015	0.00686	0.0314	0.000036	0.000093	0.0660	< 0.002
12: VIS-CV5-AMP-140	< 0.003	< 0.00009	0.0244	0.00027	1.84	< 0.00006	0.0337	< 0.0001	< 0.000005	0.000105	0.00264	< 0.002
13: VIS-CV5-AMP-141	0.003	< 0.00009	0.0613	0.00050	3.39	0.00009	0.0201	0.0083	0.000011	0.000796	0.0184	< 0.002
14: VIS-CV5-AMP-142	0.051	< 0.00009	0.0420	0.00030	3.70	< 0.00006	0.00462	0.0388	0.000029	0.000069	0.0606	< 0.002
15: VIS-CV5-AMP-143	< 0.003	< 0.00009	0.402	0.00052	1.98	0.00058	0.0154	0.0005	0.000017	0.000293	0.0147	< 0.002
16: VIS-CV5-AMP-144	< 0.003	< 0.00009	0.0834	0.00009	3.14	0.00007	0.0123	0.0065	< 0.000005	0.00236	0.0475	< 0.002
17: VIS-CV5-AMP-145	0.020	< 0.00009	0.0242	0.00027	3.85	0.00007	0.0112	0.0251	0.000005	0.000234	0.0602	< 0.002
18: VIS-CV5-AMP-146	0.013	0.00095	0.538	0.00033	4.44	0.00018	0.00657	0.0250	0.000028	0.000157	0.0397	0.011
19: VIS-CV5-AMP-147	< 0.003	< 0.00009	0.0260	0.00026	8.94	0.00008	0.00926	0.0045	0.000019	0.000113	0.0919	< 0.002
20: VIS-CV5-AMP-148	< 0.003	< 0.00009	0.0179	0.00011	3.53	0.00067	0.00385	0.0024	0.000006	0.000081	0.0713	< 0.002
21: VIS-CV5-AMP-149	0.013	0.00031	0.775	0.00060	6.17	0.00011	0.0125	0.0239	0.000078	0.00135	0.0655	< 0.002
22: VIS-CV5-AMP-150	< 0.003	0.00011	0.190	0.00120	3.82	0.00011	0.0177	0.0121	0.000058	0.00151	0.0196	< 0.002
23: VIS-CV5-AMP-151	< 0.003	0.00038	0.0599	0.00037	3.58	< 0.00006	0.00738	0.0022	0.000011	0.000855	0.0555	< 0.002
24: VIS-CV5-AMP-152	0.025	< 0.00009	0.116	0.00017	4.25	0.00028	0.00644	0.0419	0.000084	0.000290	0.0924	< 0.002
25: VIS-CV5-AMP-153	< 0.003	< 0.00009	0.177	0.00047	3.98	0.00007	0.0291	0.0054	0.000020	0.000116	0.0177	< 0.002
26: VIS-CV5-AMP-154	0.028	0.00061	0.0414	0.00098	4.30	0.00010	0.00805	0.0171	0.000039	0.000386	0.0535	0.003
27: VIS-CV5-AMP-155	0.018	0.00046	0.430	0.00025	6.16	0.00074	0.0117	0.0162	0.000352	0.00449	0.0535	< 0.002
28: VIS-CV5-AMP-156	< 0.003	0.00268	0.236	0.00015	3.32	< 0.00006	0.00958	< 0.0001	0.000016	0.000024	0.0477	< 0.002
29: VIS-CV5-AMP-157	< 0.003	< 0.00009	0.0764	0.00013	3.31	< 0.00006	0.00505	0.0063	0.000006	0.000030	0.0713	< 0.002
30: VIS-CV5-AMP-158	0.016	< 0.00009	0.0025	0.00018	5.60	< 0.00006	0.00752	0.0153	0.000010	0.000116	0.0735	< 0.002
31: VIS-CV5-AMP-159	0.009	0.00023	0.824	0.00111	5.94	0.00037	0.0119	0.0283	0.000536	0.00341	0.0520	0.007
32: VIS-CV5-AMP-160	0.012	0.00068	0.356	0.00278	5.41	0.00069	0.0107	0.0247	0.00144	0.00946	0.0654	< 0.002
33: VIS-CV5-AMP-161	0.021	0.00241	0.281	0.00071	11.7	0.00088	0.0171	0.0983	0.000112	0.000833	0.0740	0.004
34: VIS-CV5-AMP-162	0.008	0.00010	0.258	0.00021	3.02	< 0.00006	0.00687	0.0113	0.000163	0.000149	0.0663	< 0.002
35: VIS-CV5-AMP-163	< 0.003	< 0.00009	0.908	0.00126	2.76	< 0.00006	0.0536	0.0003	0.000023	0.0313	0.0016	< 0.002
36: VIS-CV5-AMP-164	< 0.003	< 0.00009	0.150	0.00071	4.59	< 0.00006	0.00876	0.0099	0.000012	0.000810	0.0679	< 0.002
37: VIS-CV5-AMP-165	0.005	0.00268	0.267	0.00050	4.55	< 0.00006	0.0173	0.0244	0.000036	0.000027	0.0285	0.005
38: VIS-CV5-AMP-166	< 0.003	0.00019	0.0492	0.00027	2.62	0.00082	0.00571	0.0058	0.000025	0.000074	0.0493	< 0.002
39: VIS-CV5-AMP-167	< 0.003	< 0.00009	0.0058	0.00019	3.01	0.00135	0.0785	0.0018	0.000221	0.000124	0.0100	< 0.002
40: VIS-CV5-AMP-168	0.007	0.00010	0.0931	0.00018	5.09	< 0.00006	0.0106	0.0201	0.000023	0.000285	0.0595	< 0.002

OnLine LIMS

00004055057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L	V mg/L	Zn mg/L
41: VIS-CV5-AMP-169	0.011	0.00011	0.138	0.00031	4.70	0.00011	0.00765	0.0231	0.000035	0.00236	0.0578	< 0.002
42: VIS-CV5-AMP-170	0.011	0.00010	0.146	0.00104	3.56	0.00013	0.00884	0.0142	0.000047	0.00121	0.0409	< 0.002
43: VIS-CV5-AMP-171	0.012	0.00012	0.0596	0.00066	4.93	0.00019	0.00986	0.0354	0.000059	0.000105	0.0427	0.002
44: VIS-CV5-AMP-172	< 0.003	0.00077	0.0706	0.00025	3.11	< 0.00006	0.00488	0.0011	0.000006	0.000793	0.0500	< 0.002
45: VIS-CV5-AMP-173	0.007	0.00022	0.0599	0.00029	5.74	0.00078	0.00671	0.0392	0.000093	0.000621	0.0559	< 0.002
46: VIS-CV5-AMP-174	< 0.003	< 0.00009	0.0042	0.00080	3.50	< 0.00006	0.00830	0.0009	< 0.000005	0.001028	0.0369	< 0.002
47: VIS-CV5-AMP-175	0.004	< 0.00009	0.407	0.00096	3.55	< 0.00006	0.0167	0.0034	0.000028	0.000780	0.0272	< 0.002
48: VIS-CV5-AMP-176	0.038	0.00034	0.143	0.00010	4.48	0.00010	0.00468	0.0325	0.000053	0.000156	0.0605	0.004
49: VIS-CV5-AMP-177	0.016	0.00009	0.429	0.00038	5.38	0.00049	0.00756	0.0784	0.000177	0.000067	0.0646	0.003
50: VIS-CV5-AMP-178	0.010	< 0.00009	0.125	0.00062	3.97	0.00017	0.00801	0.0162	0.000029	0.00135	0.0481	< 0.002
51: VIS-CV5-AMP-179	0.016	0.0114	0.246	0.00057	3.33	0.00100	0.00773	0.0154	0.000050	0.000394	0.0231	0.006
52: VIS-CV5-AMP-180	< 0.003	0.00058	0.112	0.00037	3.00	< 0.00006	0.0319	0.0038	0.000010	0.000022	0.0106	< 0.002
53-DUP: VIS-CV5-AMP-152	0.027	< 0.00009	0.114	0.00019	4.36	0.00029	0.00645	0.0446	0.000085	0.000298	0.0928	< 0.002
54-DUP: VIS-CV5-AMP-180	< 0.003	0.00060	0.109	0.00040	2.96	< 0.00006	0.0326	0.0037	0.000009	0.000023	0.0108	< 0.002
55-BLK: CTEU Blank	< 0.003	< 0.00009	< 0.0009	< 0.00004	< 0.02	< 0.00006	0.00034	< 0.0001	< 0.000005	< 0.000002	< 0.00001	< 0.002

Sample ID	Au mg/L	Ce mg/L	Cs mg/L	Dy mg/L	Er mg/L	Eu mg/L	Ga mg/L	Gd (tot) mg/L	Ge mg/L	Hf mg/L	Ho mg/L	In mg/L
1: Analysis Start Date	12-Mar-25	14-Mar-25	12-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	12-Mar-25	12-Mar-25	14-Mar-25	14-Mar-25
2: Analysis Start Time	18:25	12:31	18:25	12:31	12:31	12:31	12:31	12:31	18:25	18:25	12:31	12:31
3: Analysis Completed Date	18-Mar-25	17-Mar-25	17-Mar-25	17-Mar-25	17-Mar-25	17-Mar-25	17-Mar-25	17-Mar-25	18-Mar-25	18-Mar-25	17-Mar-25	17-Mar-25
4: Analysis Completed Time	22:31	14:00	14:00	14:00	14:00	14:00	14:00	14:00	22:31	22:31	14:00	14:00
5: VIS-CV5-AMP-133	< 0.00001	0.00002	0.0332	< 0.00001	< 0.00001	< 0.00001	0.0045	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.00001
6: VIS-CV5-AMP-134	---	---	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-AMP-135	---	---	---	---	---	---	---	---	---	---	---	---
8: VIS-CV5-AMP-136	---	---	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-AMP-137	< 0.00001	0.00030	0.225	0.00002	< 0.00001	< 0.00001	0.0017	0.00003	< 0.0001	< 0.0001	< 0.00001	< 0.00001
10: VIS-CV5-AMP-138	---	---	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-AMP-139	---	---	---	---	---	---	---	---	---	---	---	---
12: VIS-CV5-AMP-140	---	---	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-AMP-141	< 0.00001	0.00024	0.0031	0.00002	0.00001	< 0.00001	0.0024	0.00003	< 0.0001	< 0.0001	< 0.00001	< 0.00001
14: VIS-CV5-AMP-142	---	---	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00004055057

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11016-FEB25

Sample ID	Au mg/L	Ce mg/L	Cs mg/L	Dy mg/L	Er mg/L	Eu mg/L	Ga mg/L	Gd (tot) mg/L	Ge mg/L	Hf mg/L	Ho mg/L	In mg/L
15: VIS-CV5-AMP-143	---	---	---	---	---	---	---	---	---	---	---	---
16: VIS-CV5-AMP-144	---	---	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-AMP-145	< 0.00001	0.00008	0.0030	0.00002	0.00001	< 0.00001	0.0045	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.00001
18: VIS-CV5-AMP-146	---	---	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-AMP-147	---	---	---	---	---	---	---	---	---	---	---	---
20: VIS-CV5-AMP-148	---	---	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-AMP-149	< 0.00001	0.00009	0.118	0.00002	< 0.00001	< 0.00001	0.0013	0.00001	< 0.0001	0.0002	< 0.00001	< 0.00001
22: VIS-CV5-AMP-150	---	---	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-AMP-151	---	---	---	---	---	---	---	---	---	---	---	---
24: VIS-CV5-AMP-152	---	---	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-AMP-153	< 0.00001	0.00002	0.118	< 0.00001	< 0.00001	< 0.00001	0.0003	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.00001
26: VIS-CV5-AMP-154	---	---	---	---	---	---	---	---	---	---	---	---
27: VIS-CV5-AMP-155	---	---	---	---	---	---	---	---	---	---	---	---
28: VIS-CV5-AMP-156	---	---	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-AMP-157	< 0.00001	0.00001	0.0384	< 0.00001	< 0.00001	< 0.00001	0.0050	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.00001
30: VIS-CV5-AMP-158	---	---	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-AMP-159	---	---	---	---	---	---	---	---	---	---	---	---
32: VIS-CV5-AMP-160	---	---	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-AMP-161	0.00001	0.00075	0.0791	0.00005	0.00002	0.00002	0.0005	0.00007	0.0002	< 0.0001	< 0.00001	< 0.00001
34: VIS-CV5-AMP-162	---	---	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-AMP-163	---	---	---	---	---	---	---	---	---	---	---	---
36: VIS-CV5-AMP-164	---	---	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-AMP-165	< 0.00001	0.00020	0.149	0.00002	0.00001	< 0.00001	0.0013	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.00001
38: VIS-CV5-AMP-166	---	---	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-AMP-167	---	---	---	---	---	---	---	---	---	---	---	---
40: VIS-CV5-AMP-168	---	---	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-AMP-169	< 0.00001	0.00008	0.0080	0.00001	< 0.00001	< 0.00001	0.0028	0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.00001
42: VIS-CV5-AMP-170	---	---	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-AMP-171	---	---	---	---	---	---	---	---	---	---	---	---
44: VIS-CV5-AMP-172	---	---	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-AMP-173	< 0.00001	0.00019	0.0345	0.00003	0.00002	< 0.00001	0.0030	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.00001
46: VIS-CV5-AMP-174	---	---	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-AMP-175	---	---	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

0004055057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Au mg/L	Ce mg/L	Cs mg/L	Dy mg/L	Er mg/L	Eu mg/L	Ga mg/L	Gd (tot) mg/L	Ge mg/L	Hf mg/L	Ho mg/L	In mg/L
48: VIS-CV5-AMP-176	---	---	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-AMP-177	< 0.00001	0.00029	0.0856	0.00004	0.00002	0.00001	0.0050	0.00004	< 0.0001	0.0002	< 0.00001	< 0.00001
50: VIS-CV5-AMP-178	---	---	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-AMP-179	---	---	---	---	---	---	---	---	---	---	---	---
52: VIS-CV5-AMP-180	---	---	---	---	---	---	---	---	---	---	---	---
53-DUP: VIS-CV5-AMP-152	< 0.00001	0.00010	0.0650	0.00002	0.00001	< 0.00001	0.0065	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.00001
54-DUP: VIS-CV5-AMP-180	< 0.00001	0.00003	0.0277	< 0.00001	< 0.00001	< 0.00001	0.0004	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.00001
55-BLK: CTEU Blank	< 0.00001	< 0.00001	< 0.0001	< 0.00001	< 0.00001	< 0.00001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.00001

Sample ID	La mg/L	Lu mg/L	Nb mg/L	Nd mg/L	Os mg/L	Pd mg/L	Pr mg/L	Pt mg/L	Rh mg/L	Rb mg/L	Re mg/L	Ru mg/L
1: Analysis Start Date	14-Mar-25	14-Mar-25	12-Mar-25	14-Mar-25	12-Mar-25	12-Mar-25	14-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25	12-Mar-25
2: Analysis Start Time	12:31	12:31	18:25	12:31	18:25	18:25	12:31	18:25	18:25	18:25	18:25	18:25
3: Analysis Completed Date	17-Mar-25	17-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	17-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25	18-Mar-25
4: Analysis Completed Time	14:00	14:00	22:31	22:31	22:31	22:31	14:00	22:31	22:31	22:31	22:31	22:31
5: VIS-CV5-AMP-133	0.00001	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001	0.212	< 0.0001	< 0.00001
6: VIS-CV5-AMP-134	---	---	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-AMP-135	---	---	---	---	---	---	---	---	---	---	---	---
8: VIS-CV5-AMP-136	---	---	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-AMP-137	0.00013	< 0.0001	< 0.0001	0.00015	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.00001	0.0949	< 0.0001	< 0.00001
10: VIS-CV5-AMP-138	---	---	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-AMP-139	---	---	---	---	---	---	---	---	---	---	---	---
12: VIS-CV5-AMP-140	---	---	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-AMP-141	0.00011	< 0.0001	< 0.0001	0.00012	< 0.0001	< 0.0001	0.00003	< 0.0001	< 0.00001	0.0214	< 0.0001	< 0.00001
14: VIS-CV5-AMP-142	---	---	---	---	---	---	---	---	---	---	---	---
15: VIS-CV5-AMP-143	---	---	---	---	---	---	---	---	---	---	---	---
16: VIS-CV5-AMP-144	---	---	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-AMP-145	0.00004	< 0.0001	< 0.0001	0.00005	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.00001	0.0118	< 0.0001	< 0.00001
18: VIS-CV5-AMP-146	---	---	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-AMP-147	---	---	---	---	---	---	---	---	---	---	---	---
20: VIS-CV5-AMP-148	---	---	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-AMP-149	0.00009	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.00001	0.151	< 0.0001	< 0.00001

OnLine LIMS

00040550S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	La mg/L	Lu mg/L	Nb mg/L	Nd mg/L	Os mg/L	Pd mg/L	Pr mg/L	Pt mg/L	Rh mg/L	Rb mg/L	Re mg/L	Ru mg/L
22: VIS-CV5-AMP-150	---	---	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-AMP-151	---	---	---	---	---	---	---	---	---	---	---	---
24: VIS-CV5-AMP-152	---	---	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-AMP-153	0.00002	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001	0.0679	< 0.0001	< 0.00001
26: VIS-CV5-AMP-154	---	---	---	---	---	---	---	---	---	---	---	---
27: VIS-CV5-AMP-155	---	---	---	---	---	---	---	---	---	---	---	---
28: VIS-CV5-AMP-156	---	---	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-AMP-157	0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001	0.0350	< 0.0001	< 0.00001
30: VIS-CV5-AMP-158	---	---	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-AMP-159	---	---	---	---	---	---	---	---	---	---	---	---
32: VIS-CV5-AMP-160	---	---	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-AMP-161	0.00035	< 0.0001	0.0005	0.00041	< 0.0001	< 0.0001	0.00010	< 0.0001	< 0.00001	0.161	< 0.0001	< 0.00001
34: VIS-CV5-AMP-162	---	---	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-AMP-163	---	---	---	---	---	---	---	---	---	---	---	---
36: VIS-CV5-AMP-164	---	---	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-AMP-165	0.00010	< 0.0001	< 0.0001	0.00008	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.00001	0.0797	< 0.0001	< 0.00001
38: VIS-CV5-AMP-166	---	---	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-AMP-167	---	---	---	---	---	---	---	---	---	---	---	---
40: VIS-CV5-AMP-168	---	---	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-AMP-169	0.00004	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001	0.0868	< 0.0001	< 0.00001
42: VIS-CV5-AMP-170	---	---	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-AMP-171	---	---	---	---	---	---	---	---	---	---	---	---
44: VIS-CV5-AMP-172	---	---	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-AMP-173	0.00007	< 0.0001	0.0001	0.00009	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.00001	0.174	< 0.0001	< 0.00001
46: VIS-CV5-AMP-174	---	---	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-AMP-175	---	---	---	---	---	---	---	---	---	---	---	---
48: VIS-CV5-AMP-176	---	---	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-AMP-177	0.00016	< 0.0001	< 0.0001	0.00015	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.00001	0.356	< 0.0001	< 0.00001
50: VIS-CV5-AMP-178	---	---	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-AMP-179	---	---	---	---	---	---	---	---	---	---	---	---
52: VIS-CV5-AMP-180	---	---	---	---	---	---	---	---	---	---	---	---
53-DUP: VIS-CV5-AMP-152	0.00005	< 0.0001	< 0.0001	0.00007	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.00001	0.271	< 0.0001	< 0.00001
54-DUP: VIS-CV5-AMP-180	0.00003	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001	0.0229	< 0.0001	< 0.00001

OnLine LIMS

00040550S7

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11016-FEB25**

Sample ID	La mg/L	Lu mg/L	Nb mg/L	Nd mg/L	Os mg/L	Pd mg/L	Pr mg/L	Pt mg/L	Rh mg/L	Rb mg/L	Re mg/L	Ru mg/L
55-BLK: CTEU Blank	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001	0.0002	< 0.0001	< 0.00001

Sample ID	Sm mg/L	Sc mg/L	Ta mg/L	Tb mg/L	Te mg/L	Th mg/L	Tm mg/L
1: Analysis Start Date	14-Mar-25	14-Mar-25	12-Mar-25	14-Mar-25	12-Mar-25	12-Mar-25	14-Mar-25
2: Analysis Start Time	12:31	12:31	18:25	12:31	18:25	18:25	12:31
3: Analysis Completed Date	17-Mar-25	17-Mar-25	18-Mar-25	17-Mar-25	18-Mar-25	18-Mar-25	17-Mar-25
4: Analysis Completed Time	14:00	14:00	22:31	14:00	22:31	22:31	14:00
5: VIS-CV5-AMP-133	< 0.00001	0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
6: VIS-CV5-AMP-134	---	---	---	---	---	---	---
7: VIS-CV5-AMP-135	---	---	---	---	---	---	---
8: VIS-CV5-AMP-136	---	---	---	---	---	---	---
9: VIS-CV5-AMP-137	0.00003	0.0003	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
10: VIS-CV5-AMP-138	---	---	---	---	---	---	---
11: VIS-CV5-AMP-139	---	---	---	---	---	---	---
12: VIS-CV5-AMP-140	---	---	---	---	---	---	---
13: VIS-CV5-AMP-141	0.00003	0.0003	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
14: VIS-CV5-AMP-142	---	---	---	---	---	---	---
15: VIS-CV5-AMP-143	---	---	---	---	---	---	---
16: VIS-CV5-AMP-144	---	---	---	---	---	---	---
17: VIS-CV5-AMP-145	< 0.00001	0.0003	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
18: VIS-CV5-AMP-146	---	---	---	---	---	---	---
19: VIS-CV5-AMP-147	---	---	---	---	---	---	---
20: VIS-CV5-AMP-148	---	---	---	---	---	---	---
21: VIS-CV5-AMP-149	0.00001	0.0004	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
22: VIS-CV5-AMP-150	---	---	---	---	---	---	---
23: VIS-CV5-AMP-151	---	---	---	---	---	---	---
24: VIS-CV5-AMP-152	---	---	---	---	---	---	---
25: VIS-CV5-AMP-153	< 0.00001	0.0003	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
26: VIS-CV5-AMP-154	---	---	---	---	---	---	---
27: VIS-CV5-AMP-155	---	---	---	---	---	---	---
28: VIS-CV5-AMP-156	---	---	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

00004055057

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11016-FEB25**

Sample ID	Sm mg/L	Sc mg/L	Ta mg/L	Tb mg/L	Te mg/L	Th mg/L	Tm mg/L
29: VIS-CV5-AMP-157	< 0.00001	0.0002	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
30: VIS-CV5-AMP-158	---	---	---	---	---	---	---
31: VIS-CV5-AMP-159	---	---	---	---	---	---	---
32: VIS-CV5-AMP-160	---	---	---	---	---	---	---
33: VIS-CV5-AMP-161	0.00007	0.0010	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
34: VIS-CV5-AMP-162	---	---	---	---	---	---	---
35: VIS-CV5-AMP-163	---	---	---	---	---	---	---
36: VIS-CV5-AMP-164	---	---	---	---	---	---	---
37: VIS-CV5-AMP-165	0.00001	0.0005	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
38: VIS-CV5-AMP-166	---	---	---	---	---	---	---
39: VIS-CV5-AMP-167	---	---	---	---	---	---	---
40: VIS-CV5-AMP-168	---	---	---	---	---	---	---
41: VIS-CV5-AMP-169	< 0.00001	0.0004	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
42: VIS-CV5-AMP-170	---	---	---	---	---	---	---
43: VIS-CV5-AMP-171	---	---	---	---	---	---	---
44: VIS-CV5-AMP-172	---	---	---	---	---	---	---
45: VIS-CV5-AMP-173	0.00002	0.0005	0.0002	< 0.00001	< 0.0001	< 0.0001	< 0.00001
46: VIS-CV5-AMP-174	---	---	---	---	---	---	---
47: VIS-CV5-AMP-175	---	---	---	---	---	---	---
48: VIS-CV5-AMP-176	---	---	---	---	---	---	---
49: VIS-CV5-AMP-177	0.00003	0.0008	< 0.0001	< 0.00001	< 0.0001	0.0001	< 0.00001
50: VIS-CV5-AMP-178	---	---	---	---	---	---	---
51: VIS-CV5-AMP-179	---	---	---	---	---	---	---
52: VIS-CV5-AMP-180	---	---	---	---	---	---	---
53-DUP: VIS-CV5-AMP-152	0.00002	0.0004	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
54-DUP: VIS-CV5-AMP-180	< 0.00001	0.0002	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
55-BLK: CTEU Blank	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	g	NA	N	N
	mL	NA	N	N

OnLine LIMS

0004055057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11016-FEB25**

Parameter	Units	SGS Method Code	CALA	PALA
Acidity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Alkalinity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	Y
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Fluoride by Specific Ion Electrode	mg/L	ME-CA-[ENV]EWL-LAK-AN-014	Y	Y
Inorganics-General	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	N
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	Y
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Reactive Phosphorus by SFA	mg/L	ME-CA-[ENV]SFA-LAK-AN-004	Y	N

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004055057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Acidity - QCBatchID: EWL0183-MAR25													
Acidity	2	mg/L as Ca	< 2			ND	20	100	90	110	NA		
Acidity - QCBatchID: EWL0243-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	102	90	110	NA		
Acidity - QCBatchID: EWL0271-MAR25													
Acidity	2	mg/L as Ca	< 2			0	20	106	90	110	NA		
Alkalinity - QCBatchID: EWL0183-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Alkalinity - QCBatchID: EWL0243-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Alkalinity - QCBatchID: EWL0247-MAR25													
Alkalinity	2	mg/L as Ca	< 2			3	20	98	80	120	NA		
Anions by IC - QCBatchID: DIO0208-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	101	90	110	99	75	125
Chloride	0.2	mg/L	<0.2			5	20	100	90	110	124	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	101	90	110	103	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	98	90	110	102	75	125
Sulphate	0.2	mg/L	<0.2			7	20	96	90	110	95	75	125
Anions by IC - QCBatchID: DIO0209-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	101	90	110	101	75	125
Chloride	0.2	mg/L	<0.2			ND	20	100	90	110	104	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	101	90	110	104	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	98	90	110	104	75	125
Sulphate	0.2	mg/L	<0.2			7	20	96	90	110	96	75	125
Anions by IC - QCBatchID: DIO0268-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	99	90	110	95	75	125
Chloride	0.2	mg/L	<0.2			8	20	100	90	110	98	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	102	90	110	102	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	98	90	110	103	75	125
Sulphate	0.2	mg/L	<0.2			16	20	98	90	110	95	75	125
Anions by IC - QCBatchID: DIO0269-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	102	90	110	98	75	125
Chloride	0.2	mg/L	<0.2			3	20	102	90	110	102	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	101	90	110	101	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	98	90	110	102	75	125
Sulphate	0.2	mg/L	<0.2			8	20	96	90	110	93	75	125

OnLine LIMS

00004050057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Conductivity - QCBatchID: EWL0183-MAR25														
Conductivity	2	uS/cm	2			3	20	105	90	110	NA			
Conductivity - QCBatchID: EWL0243-MAR25														
Conductivity	2	uS/cm	< 2			0	20	101	90	110	NA			
Conductivity - QCBatchID: EWL0247-MAR25														
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA			
Fluoride by Specific Ion Electrode - QCBatchID: EWL0186-MAR25														
Fluoride	0.06	mg/L	<0.06			0	10	99	90	110	107	75	125	
Fluoride by Specific Ion Electrode - QCBatchID: EWL0201-MAR25														
Fluoride	0.06	mg/L	<0.06			ND	10	100	90	110	96	75	125	
Fluoride by Specific Ion Electrode - QCBatchID: EWL0251-MAR25														
Fluoride	0.06	mg/L	<0.06			ND	10	100	90	110	108	75	125	
Fluoride by Specific Ion Electrode - QCBatchID: EWL0259-MAR25														
Fluoride	0.06	mg/L	<0.06			0	10	97	90	110	94	75	125	
Inorganics-General - QCBatchID: EHG0017-MAR25														
Mercury	0.00001	mg/L	< 0.00001			ND	20	113	80	120	121	70	130	
Inorganics-General - QCBatchID: EHG0024-MAR25														
Mercury	0.00001	mg/L	< 0.00001			ND	20	118	80	120	108	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0083-MAR25														
Aluminum	0.001	mg/L	<0.001			6	20	99	90	110	106	70	130	
Antimony	0.0009	mg/L	<0.0009			ND	20	108	90	110	116	70	130	
Arsenic	0.0002	mg/L	<0.0002			0	20	100	90	110	97	70	130	
Barium	0.00008	mg/L	<0.00008			2	20	98	90	110	102	70	130	
Beryllium	0.000007	mg/L	<0.000007			13	20	93	90	110	98	70	130	
Bismuth	0.00001	mg/L	<0.00001			8	20	92	90	110	102	70	130	
Boron	0.002	mg/L	<0.002			1	20	100	90	110	99	70	130	
Cadmium	0.000003	mg/L	<0.000003			0	20	98	90	110	108	70	130	
Calcium	0.01	mg/L	<0.01			1	20	101	90	110	85	70	130	
Cesium	0.0001	mg/L	<0.0001			2	20	105	90	110	NV	70	130	
Chromium	0.00008	mg/L	<0.00008			3	20	97	90	110	84	70	130	
Cobalt	0.000004	mg/L	<0.000004			10	20	95	90	110	92	70	130	
Copper	0.001	mg/L	<0.001			6	20	99	90	110	101	70	130	
Germanium	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130	
Gold	0.00001	mg/L	<0.00001			ND	20	98	90	110	NV	70	130	
Hafnium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130	
Iron	0.007	mg/L	<0.007			9	20	102	90	110	100	70	130	
Lead	0.00009	mg/L	<0.00009			7	20	96	90	110	95	70	130	
Lithium	0.0001	mg/L	<0.0001			1	20	95	90	110	96	70	130	
Magnesium	0.001	mg/L	<0.001			1	20	102	90	110	90	70	130	

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

000040505057

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11016-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Manganese	0.00001	mg/L	<0.00001			7	20	99	90	110	98	70	130	
Molybdenum	0.0004	mg/L	<0.0004			5	20	101	90	110	104	70	130	
Nickel	0.0001	mg/L	<0.0001			3	20	99	90	110	99	70	130	
Niobium	0.0001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130	
Osmium	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130	
Palladium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130	
Phosphorus	0.003	mg/L	<0.003			ND	20	101	90	110	NV	70	130	
Platinum	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130	
Potassium	0.009	mg/L	<0.009			2	20	107	90	110	99	70	130	
Rhenium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Rhodium	0.00001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Rubidium	0.0001	mg/L	<0.0001			2	20	99	90	110	NV	70	130	
Ruthenium	0.00001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130	
Selenium	0.00004	mg/L	<0.00004			3	20	97	90	110	98	70	130	
Silicon	0.02	mg/L	<0.02			2	20	96	90	110	NV	70	130	
Silver	0.00005	mg/L	<0.00005			ND	20	97	90	110	99	70	130	
Sodium	0.01	mg/L	<0.01			1	20	99	90	110	100	70	130	
Strontium	0.00008	mg/L	<0.00008			1	20	97	90	110	95	70	130	
Tantalum	0.0001	mg/L	<0.0001			ND	20	106	90	110	NV	70	130	
Tellurium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Thallium	0.000005	mg/L	<0.000005			5	20	96	90	110	96	70	130	
Thorium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Tin	0.00006	mg/L	<0.00006			3	20	101	90	110	NV	70	130	
Titanium	0.0001	mg/L	<0.0001			7	20	97	90	110	NV	70	130	
Uranium	0.000002	mg/L	<0.000002			4	20	98	90	110	93	70	130	
Vanadium	0.00001	mg/L	<0.00001			0	20	99	90	110	100	70	130	
Zinc	0.002	mg/L	<0.002			ND	20	98	90	110	103	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0100-MAR25														
Antimony	0.0009	mg/L	<0.0009			ND	20	102	90	110	109	70	130	
Arsenic	0.0002	mg/L	<0.0002			2	20	98	90	110	108	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0106-MAR25														
Aluminum	0.001	mg/L	<0.001			1	20	100	90	110	86	70	130	
Antimony	0.0009	mg/L	<0.0009			ND	20	109	90	110	116	70	130	
Arsenic	0.0002	mg/L	<0.0002			2	20	101	90	110	107	70	130	
Barium	0.00008	mg/L	<0.00008			3	20	97	90	110	101	70	130	
Beryllium	0.000007	mg/L	<0.000007			ND	20	101	90	110	96	70	130	
Bismuth	0.00001	mg/L	<0.00001			ND	20	98	90	110	110	70	130	
Boron	0.002	mg/L	<0.002			ND	20	98	90	110	97	70	130	
Cadmium	0.000003	mg/L	<0.000003			11	20	97	90	110	98	70	130	

OnLine LIMS

00004050457

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11016-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Calcium	0.01	mg/L	<0.01			1	20	95	90	110	85	70	130	
Chromium	0.00008	mg/L	<0.00008			ND	20	98	90	110	95	70	130	
Cobalt	0.000004	mg/L	<0.000004			9	20	96	90	110	95	70	130	
Copper	0.001	mg/L	<0.001			ND	20	99	90	110	101	70	130	
Germanium	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Gold	0.00001	mg/L	<0.00001			ND	20	99	90	110	NV	70	130	
Hafnium	0.0001	mg/L	<0.0001			ND	20	91	90	110	NV	70	130	
Iron	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	130	
Lead	0.00009	mg/L	<0.00009			4	20	99	90	110	98	70	130	
Lithium	0.0001	mg/L	<0.0001			4	20	101	90	110	96	70	130	
Magnesium	0.001	mg/L	<0.001			0	20	99	90	110	94	70	130	
Manganese	0.00001	mg/L	<0.00001			1	20	99	90	110	99	70	130	
Molybdenum	0.0004	mg/L	<0.0004			ND	20	97	90	110	97	70	130	
Nickel	0.0001	mg/L	<0.0001			9	20	99	90	110	97	70	130	
Niobium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130	
Osmium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130	
Palladium	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130	
Phosphorus	0.003	mg/L	<0.003			ND	20	93	90	110	NV	70	130	
Platinum	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130	
Potassium	0.009	mg/L	<0.009			2	20	99	90	110	98	70	130	
Rhenium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Rhodium	0.00001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130	
Ruthenium	0.00001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130	
Selenium	0.00004	mg/L	<0.00004			4	20	99	90	110	108	70	130	
Silicon	0.02	mg/L	<0.02			2	20	93	90	110	NV	70	130	
Silver	0.00005	mg/L	<0.00005			ND	20	94	90	110	78	70	130	
Sodium	0.01	mg/L	<0.01			0	20	94	90	110	94	70	130	
Strontium	0.00008	mg/L	<0.00008			1	20	98	90	110	96	70	130	
Tantalum	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130	
Tellurium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Thallium	0.000005	mg/L	<0.000005			ND	20	100	90	110	97	70	130	
Tin	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130	
Titanium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Uranium	0.000002	mg/L	<0.000002			11	20	101	90	110	96	70	130	
Vanadium	0.00001	mg/L	<0.00001			15	20	100	90	110	98	70	130	
Zinc	0.002	mg/L	<0.002			1	20	99	90	110	99	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0116-MAR25														
Cerium	0.00001	mg/L	<0.00001			0	20	100	90	110	NV	70	130	
Cesium	0.0001	mg/L	<0.0001			2	20	100	90	110	NV	70	130	

OnLine LTMS

00040505057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Dysprosium	0.00001	mg/L	<0.00001			ND	20	100	90	110	NV	70	130
Erbium	0.00001	mg/L	<0.00001			ND	20	99	90	110	NV	70	130
Europium	0.00001	mg/L	<0.00001			ND	20	99	90	110	NV	70	130
Gadolinium	0.00001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Gallium	0.0001	mg/L	<0.0001			1	20	100	90	110	NV	70	130
Holmium	0.00001	mg/L	<0.00001			ND	20	98	90	110	NV	70	130
Indium	0.00001	mg/L	<0.00001			5	20	101	90	110	NV	70	130
Lanthanum	0.00001	mg/L	<0.00001			5	20	99	90	110	NV	70	130
Lutetium	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Neodymium	0.00001	mg/L	<0.00001			ND	20	100	90	110	NV	70	130
Praseodymium	0.00001	mg/L	<0.00001			ND	20	101	90	110	NV	70	130
Rubidium	0.0001	mg/L	<0.0001			2	20	99	90	110	NV	70	130
Samarium	0.00001	mg/L	<0.00001			ND	20	100	90	110	NV	70	130
Scandium	0.0001	mg/L	<0.0001			11	20	94	90	110	NV	70	130
Terbium	0.00001	mg/L	<0.00001			ND	20	101	90	110	NV	70	130
Thorium	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Thulium	0.00001	mg/L	<0.00001			ND	20	99	90	110	NV	70	130
Uranium	0.000002	mg/L	<0.000002			2	20	95	90	110	NV	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0122-MAR25													
Lithium	0.0001	mg/L	<0.0001			0	20	94	90	110	97	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0139-MAR25													
Arsenic	0.0002	mg/L	<0.0002			ND	20	93	90	110	95	70	130
pH - QCBatchID: EWL0183-MAR25													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0243-MAR25													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0247-MAR25													
pH	0.05	No unit	NA			1		100			NA		
Reactive Phosphorus by SFA - QCBatchID: SKA0083-MAR25													
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			4	10	95	90	110	107	75	125
Reactive Phosphorus by SFA - QCBatchID: SKA0119-MAR25													
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			ND	10	100	90	110	76	75	125

OnLine LTMS

00004050057

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

24-March-2025

Date Rec. : 05 February 2025
LR Report: **CA11017-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate rating	Sample weight g	HCl_add mL	HCl Normality	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NP t CaCO3/1000 t	AP t CaCO3/1000 t
1: Analysis Start Date		19-Mar-25	18-Mar-25	14-Mar-25	19-Mar-25	18-Mar-25	18-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25
2: Analysis Start Time		11:49	07:15	20:27	06:30	08:34	08:34	13:36	08:31	13:36	13:36
3: Analysis Completed Date		20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25
4: Analysis Completed Time		16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:01
5: VIS-CV5-AMP-181	NA	9.57	3	2.00	20.00	0.10	0.10	13.98	1.51	15.0	7.66
6: VIS-CV5-AMP-182	NA	9.92	2	2.02	20.00	0.10	0.10	16.52	1.39	8.6	1.34
7: VIS-CV5-MS-183	NA	9.98	2	2.01	20.00	0.10	0.10	15.94	1.44	10.1	2.88
8: VIS-CV5-MS-184	NA	9.83	3	2.01	25.10	0.10	0.10	17.13	1.55	19.8	8.44
9: VIS-CV5-MS-185	NA	9.51	2	2.04	20.00	0.10	0.10	16.56	1.36	8.4	16.2
10: VIS-CV5-MS-186	NA	9.42	2	2.03	20.00	0.10	0.10	16.53	1.37	8.6	13.2
11: VIS-CV5-MS-187	NA	9.75	3	2.01	23.40	0.10	0.10	11.14	1.77	30.5	21.0
12: VIS-CV5-MS-188	NA	10.13	2	2.00	20.00	0.10	0.10	15.74	1.63	10.7	0.31
13: VIS-CV5-MS-189	NA	10.08	3	2.00	20.00	0.10	0.10	14.38	1.54	14.1	0.31
14: VIS-CV5-MS-190	NA	10.20	2	2.01	20.00	0.10	0.10	15.83	1.54	10.4	0.31
15: VIS-CV5-MS-191	NA	9.18	3	2.00	20.00	0.10	0.10	12.61	1.85	18.5	1.22
16: VIS-CV5-MS-192	NA	9.83	3	1.99	20.00	0.10	0.10	15.09	1.54	12.3	0.31
17: VIS-CV5-MS-193	NA	9.59	3	1.99	20.00	0.10	0.10	14.36	1.62	14.2	0.31
18: VIS-CV5-MS-194	NA	9.15	2	2.03	20.00	0.10	0.10	14.29	1.90	14.1	0.31

OnLine LIMS

0004055169

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

ABA - Modified Sobek

LR Report : CA11017-FEB25

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate rating	Sample weight g	HCl_add mL	HCl Normality	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NP t CaCO3/1000 t	AP t CaCO3/1000 t
19: VIS-CV5-MS-195	NA	8.31	4	2.03	73.40	0.10	0.10	17.34	1.81	138	110
20: VIS-CV5-MS-196	NA	8.45	4	2.01	67.50	0.10	0.10	19.66	1.70	119	88.2
21: VIS-CV5-MS-197	NA	8.49	4	2.02	65.80	0.10	0.10	16.75	1.80	121	133
22: VIS-CV5-MS-198	NA	9.42	3	1.98	20.00	0.10	0.10	14.21	1.54	14.6	9.19
23: VIS-CV5-MS-199	NA	9.55	2	2.03	20.00	0.10	0.10	15.94	1.55	10.0	4.94
24: VIS-CV5-MS-200	NA	9.76	3	2.01	20.00	0.10	0.10	16.60	1.26	8.5	0.66
25: VIS-CV5-MS-201	NA	9.16	2	1.99	20.00	0.10	0.10	17.29	1.44	6.8	25.6
26: VIS-CV5-MS-202	NA	5.20	2	2.00	20.00	0.10	0.10	17.71	1.61	5.7	194
27: VIS-CV5-MS-203	NA	8.27	2	1.98	20.00	0.10	0.10	18.14	1.41	4.7	6.97
28: VIS-CV5-MS-204	NA	9.57	2	2.00	20.00	0.10	0.10	14.54	1.59	13.7	0.75
29: VIS-CV5-MS-205	NA	10.14	2	1.99	20.00	0.10	0.10	17.51	1.40	6.3	2.91
30: VIS-CV5-MS-206	NA	9.37	2	2.00	20.00	0.10	0.10	15.89	1.47	10.3	3.91
31: VIS-CV5-MS-207	NA	9.10	2	1.98	20.00	0.10	0.10	17.28	1.34	6.9	13.8
32: VIS-CV5-MS-208	NA	10.00	2	1.98	20.00	0.10	0.10	16.84	1.35	8.0	1.16
33: VIS-CV5-MS-209	NA	9.86	2	2.02	20.00	0.10	0.10	15.10	1.50	12.1	3.03
34: VIS-CV5-MS-210	NA	9.59	2	2.00	20.00	0.10	0.10	17.62	1.35	5.9	22.0
35: VIS-CV5-MS-211	NA	10.24	2	1.98	20.00	0.10	0.10	17.61	1.21	6.0	2.00
36: VIS-CV5-MS-212	NA	9.95	2	2.00	20.00	0.10	0.10	16.42	1.08	9.0	5.44
37: VIS-CV5-MS-213	NA	10.18	3	1.99	20.00	0.10	0.10	12.77	1.52	18.2	0.31
38: VIS-CV5-MS-214	NA	9.69	2	2.02	20.00	0.10	0.10	16.64	1.45	8.3	0.31
39: VIS-CV5-MS-215	NA	10.07	2	2.03	20.00	0.10	0.10	14.46	1.30	13.7	3.47
40: VIS-CV5-MS-216	NA	9.57	3	2.00	20.00	0.10	0.10	11.39	1.51	21.5	8.78
41: VIS-CV5-MS-217	NA	10.04	2	1.99	20.00	0.10	0.10	15.37	1.51	11.6	0.31
42: VIS-CV5-MS-218	NA	10.14	2	2.02	20.00	0.10	0.10	15.57	1.40	11.0	0.31
43: VIS-CV5-MS-219	NA	10.05	3	2.03	26.60	0.10	0.10	18.40	1.72	20.2	0.31
44: VIS-CV5-MS-220	NA	9.17	2	1.99	20.00	0.10	0.10	17.32	1.39	6.7	14.7
45: VIS-CV5-MS-221	NA	9.63	3	2.03	20.00	0.10	0.10	12.87	1.42	17.6	17.3
46: VIS-CV5-MS-222	NA	9.54	2	2.00	20.00	0.10	0.10	15.04	1.51	12.4	0.81
47: VIS-CV5-MS-223	NA	9.75	2	2.01	20.00	0.10	0.10	17.54	1.38	6.1	3.19
48: VIS-CV5-MS-224	NA	9.23	2	2.02	20.00	0.10	0.10	17.93	1.33	5.1	10.4
49: VIS-CV5-MS-225	NA	9.59	2	1.99	20.00	0.10	0.10	17.09	1.39	7.3	0.31
50: VIS-CV5-MS-226	NA	9.67	3	2.02	30.80	0.10	0.10	11.94	1.74	46.7	2.91
51: VIS-CV5-MS-227	NA	8.54	2	1.98	20.00	0.10	0.10	15.77	1.89	10.7	43.6

OnLine LIMS

0004055169

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

ABA - Modified Sobek

LR Report : CA11017-FEB25

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate rating	Sample weight g	HCl_add mL	HCl Normality	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NP t CaCO3/1000 t	AP t CaCO3/1000 t
52: VIS-CV5-MS-228	NA	10.00	2	2.03	20.00	0.10	0.10	15.74	1.43	10.5	0.31

Sample ID	Net NP t CaCO3/1000 t	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) as %CO3 %
1: Analysis Start Date	19-Mar-25	19-Mar-25	12-Mar-25	14-Mar-25	14-Mar-25	12-Mar-25	14-Mar-25
2: Analysis Start Time	13:36	13:36	08:49	10:08	09:15	08:49	12:35
3: Analysis Completed Date	20-Mar-25	20-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
4: Analysis Completed Time	16:01	16:01	10:08	10:08	10:08	10:08	16:18
5: VIS-CV5-AMP-181	7.34	1.96	0.374	0.13	0.24	0.096	0.46
6: VIS-CV5-AMP-182	7.26	6.40	0.076	< 0.04	0.04	0.018	0.09
7: VIS-CV5-MS-183	7.22	3.51	0.167	0.08	0.09	0.048	0.22
8: VIS-CV5-MS-184	11.4	2.35	0.418	0.15	0.27	0.134	0.64
9: VIS-CV5-MS-185	-7.82	0.52	0.659	0.14	0.52	0.030	0.09
10: VIS-CV5-MS-186	-4.65	0.65	0.616	0.19	0.42	0.052	0.20
11: VIS-CV5-MS-187	9.47	1.45	0.899	0.23	0.67	0.318	1.49
12: VIS-CV5-MS-188	10.4	34.2	0.010	<0.04	< 0.01	0.026	0.04
13: VIS-CV5-MS-189	13.8	45.1	0.041	< 0.04	0.01	0.110	0.46
14: VIS-CV5-MS-190	10.1	33.3	0.008	<0.04	< 0.01	0.058	0.26
15: VIS-CV5-MS-191	17.3	15.2	0.108	0.07	0.04	0.122	0.53
16: VIS-CV5-MS-192	12.0	39.4	0.008	<0.04	< 0.01	0.068	0.32
17: VIS-CV5-MS-193	13.9	45.4	0.007	<0.04	< 0.01	0.063	0.29
18: VIS-CV5-MS-194	13.8	45.1	0.029	< 0.04	0.01	0.031	0.13
19: VIS-CV5-MS-195	28.1	1.26	4.16	0.64	3.52	1.84	9.17
20: VIS-CV5-MS-196	30.8	1.35	3.16	0.33	2.82	1.53	7.57
21: VIS-CV5-MS-197	-11.19	0.92	4.92	0.68	4.24	1.67	8.00
22: VIS-CV5-MS-198	5.41	1.59	0.458	0.16	0.29	0.079	0.38
23: VIS-CV5-MS-199	5.06	2.03	0.262	0.10	0.16	0.040	0.19
24: VIS-CV5-MS-200	7.84	13.0	0.049	< 0.04	0.02	0.045	0.24
25: VIS-CV5-MS-201	-18.76	0.27	1.09	0.27	0.82	0.018	0.09
26: VIS-CV5-MS-202	-188.58	0.03	6.34	0.13	6.22	0.026	0.21
27: VIS-CV5-MS-203	-2.27	0.67	0.345	0.12	0.22	0.043	0.27

OnLine LIMS

0004055169

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11017-FEB25**

Sample ID	Net NP t CaCO3/1000 t	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) as %CO3 %
28: VIS-CV5-MS-204	13.0	18.3	0.039	< 0.04	0.02	0.069	0.49
29: VIS-CV5-MS-205	3.39	2.17	0.185	0.09	0.09	0.014	0.15
30: VIS-CV5-MS-206	6.39	2.64	0.185	0.06	0.12	0.019	0.11
31: VIS-CV5-MS-207	-6.88	0.50	0.591	0.15	0.44	0.028	0.16
32: VIS-CV5-MS-208	6.84	6.92	0.096	0.06	0.04	0.079	0.51
33: VIS-CV5-MS-209	9.07	3.99	0.121	< 0.04	0.10	0.061	0.44
34: VIS-CV5-MS-210	-16.10	0.27	0.878	0.17	0.70	0.013	0.23
35: VIS-CV5-MS-211	4.00	3.00	0.128	0.06	0.06	0.029	0.24
36: VIS-CV5-MS-212	3.56	1.66	0.303	0.13	0.17	0.068	0.40
37: VIS-CV5-MS-213	17.9	58.2	0.017	<0.04	< 0.01	0.138	0.69
38: VIS-CV5-MS-214	7.99	26.6	0.010	<0.04	< 0.01	0.023	0.19
39: VIS-CV5-MS-215	10.2	3.95	0.181	0.07	0.11	0.058	0.37
40: VIS-CV5-MS-216	12.7	2.45	0.380	0.10	0.28	0.116	0.71
41: VIS-CV5-MS-217	11.3	37.1	0.009	<0.04	< 0.01	0.071	0.48
42: VIS-CV5-MS-218	10.7	35.2	0.005	<0.04	< 0.01	0.060	0.43
43: VIS-CV5-MS-219	19.9	64.6	0.006	<0.04	< 0.01	0.156	0.86
44: VIS-CV5-MS-220	-8.02	0.46	0.923	0.45	0.47	0.014	0.17
45: VIS-CV5-MS-221	0.26	1.01	0.952	0.40	0.56	0.190	0.89
46: VIS-CV5-MS-222	11.6	15.3	0.051	< 0.04	0.03	0.074	0.46
47: VIS-CV5-MS-223	2.91	1.91	0.190	0.09	0.10	0.098	0.14
48: VIS-CV5-MS-224	-5.28	0.49	0.488	0.16	0.33	0.013	< 0.04
49: VIS-CV5-MS-225	6.99	23.4	0.014	<0.04	< 0.01	0.042	0.18
50: VIS-CV5-MS-226	43.8	16.1	0.169	0.08	0.09	0.539	2.67
51: VIS-CV5-MS-227	-32.89	0.25	1.76	0.37	1.40	0.032	0.12
52: VIS-CV5-MS-228	10.2	33.6	0.037	<0.04	< 0.01	0.031	0.15

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	g	NA	N	N
	mL		N	N
	mL	NA	N	N
	no unit	NA	N	N

OnLine LIMS

0004055169

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Parameter	Units	SGS Method Code	CALA	PALA
	Normality	NA	N	N
	rating	NA	N	N
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	N	N
	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	N	N
Acid Potential	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	Y	Y
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-019	Y	N
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-019	Y	Y
Carbon/Sulphur	%	ME-CA-[ENV]ARD-LAK-AN-020	Y	N
Neutralization Potential	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	N	Y
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	Y	N

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004055169

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Carbon/Sulphur - QCBatchID: ECS0034-MAR25													
Carbon (total)	0.005	%	<0.005			0	20				102	70	130
Sulphur (total)	0.005	%	<0.005			1	20				105	70	130
Carbon/Sulphur - QCBatchID: ECS0037-MAR25													
Carbon (total)	0.005	%	<0.005			3	20				103	70	130
Sulphur (total)	0.005	%	0.0050			1	20				105	70	130
Carbon/Sulphur - QCBatchID: ECS0044-MAR25													
Sulphide	0.01	%	< 0.01			0	20	110	80	120			
Carbon/Sulphur - QCBatchID: ECS0045-MAR25													
Carbonate (HCl) as %CO3	0.04	%	<0.04			4	20	99	80	120			

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004055169

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

24-March-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11018-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Hg ug/g	Ag µg/g	Al µg/g	As µg/g	B µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca µg/g	Cd µg/g	Co µg/g
1: Analysis Start Date		17-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
2: Analysis Start Time		09:36	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01
3: Analysis Completed Date		17-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25
4: Analysis Completed Time		10:27	21:09	21:09	21:09	21:09	21:09	21:09	21:09	21:09	21:09	21:09
5: VIS-CV5-AMP-181	NA	< 0.05	< 0.5	10000	14	4	22	0.24	0.39	6300	0.03	22
6: VIS-CV5-AMP-182	NA	< 0.05	< 0.5	7200	14	4	7.5	0.06	< 0.09	6200	0.03	12
7: VIS-CV5-MS-183	NA	< 0.05	< 0.5	12000	9.8	2	130	0.12	< 0.09	2800	0.11	12
8: VIS-CV5-MS-184	NA	< 0.05	< 0.5	13000	110	1	180	0.05	< 0.09	5600	0.04	8.0
9: VIS-CV5-MS-185	NA	< 0.05	< 0.5	9200	7.3	2	28	0.40	< 0.09	1900	0.03	9.6
10: VIS-CV5-MS-186	NA	< 0.05	< 0.5	9500	11	3	41	0.15	< 0.09	3500	0.03	9.4
11: VIS-CV5-MS-187	NA	< 0.05	< 0.5	9400	1.3	3	26	0.09	0.14	12000	0.23	13
12: VIS-CV5-MS-188	NA	< 0.05	< 0.5	19000	10	10	170	1.4	0.16	6100	0.03	8.2
13: VIS-CV5-MS-189	NA	< 0.05	< 0.5	13000	36	6	120	0.26	< 0.09	5000	0.06	7.7
14: VIS-CV5-MS-190	NA	< 0.05	< 0.5	14000	1.4	1	210	0.05	< 0.09	2500	0.02	11
15: VIS-CV5-MS-191	NA	< 0.05	1.2	24000	3.1	4	24	1.4	< 0.09	4500	1.6	11
16: VIS-CV5-MS-192	NA	< 0.05	< 0.5	15000	25	28	72	1.2	0.15	5400	0.07	11
17: VIS-CV5-MS-193	NA	< 0.05	< 0.5	21000	47	6	53	1.7	0.10	4100	0.05	12
18: VIS-CV5-MS-194	NA	< 0.05	< 0.5	29000	16	4	57	2.7	0.11	2300	< 0.02	17
19: VIS-CV5-MS-195	NA	< 0.05	< 0.5	2600	11	1	95	0.07	< 0.09	42000	0.05	18
20: VIS-CV5-MS-196	NA	< 0.05	< 0.5	3500	24	1	31	0.04	< 0.09	40000	0.05	19

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11018-FEB25**

Sample ID	Sample Date & Time	Hg ug/g	Ag µg/g	Al µg/g	As µg/g	B µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca µg/g	Cd µg/g	Co µg/g
21: VIS-CV5-MS-197	NA	< 0.05	< 0.5	4200	61	2	48	0.02	0.11	42000	0.05	32
22: VIS-CV5-MS-198	NA	< 0.05	< 0.5	14000	15	3	81	1.8	1.2	5400	0.06	12
23: VIS-CV5-MS-199	NA	< 0.05	< 0.5	14000	2.2	3	38	0.19	< 0.09	4700	0.05	16
24: VIS-CV5-MS-200	NA	< 0.05	< 0.5	12000	44	3	21	1.2	0.10	2400	0.15	9.7
25: VIS-CV5-MS-201	NA	< 0.05	< 0.5	13000	1.6	2	71	0.21	0.10	4300	0.06	16
26: VIS-CV5-MS-202	NA	< 0.05	< 0.5	12000	37	3	37	0.67	0.40	3200	0.16	12
27: VIS-CV5-MS-203	NA	< 0.05	< 0.5	4200	68	3	16	0.43	0.16	1200	< 0.02	5.8
28: VIS-CV5-MS-204	NA	< 0.05	< 0.5	25000	39	20	140	1.2	< 0.09	7200	0.21	18
29: VIS-CV5-MS-205	NA	< 0.05	< 0.5	22000	120	2	150	1.5	0.72	1500	0.06	12
30: VIS-CV5-MS-206	NA	< 0.05	< 0.5	17000	50	4	170	0.16	0.18	4500	0.04	13
31: VIS-CV5-MS-207	NA	< 0.05	< 0.5	14000	41	7	100	0.69	0.18	2600	0.02	12
32: VIS-CV5-MS-208	NA	< 0.05	< 0.5	4100	7.5	3	49	0.27	< 0.09	2700	0.13	5.0
33: VIS-CV5-MS-209	NA	< 0.05	< 0.5	14000	5.2	5	160	0.77	< 0.09	7600	0.05	13
34: VIS-CV5-MS-210	NA	< 0.05	1.8	17000	3100	12	140	3.8	7.9	2000	4.2	13
35: VIS-CV5-MS-211	NA	< 0.05	< 0.5	15000	85	4	120	0.91	0.20	1500	0.07	10
36: VIS-CV5-MS-212	NA	< 0.05	< 0.5	13000	490	5	120	0.92	0.68	3700	0.29	9.5
37: VIS-CV5-MS-213	NA	< 0.05	< 0.5	22000	4.4	2	150	0.18	< 0.09	9000	0.02	8.9
38: VIS-CV5-MS-214	NA	< 0.05	< 0.5	18000	30	3	77	1.7	0.10	1700	0.03	7.1
39: VIS-CV5-MS-215	NA	< 0.05	< 0.5	6700	11	3	45	0.49	< 0.09	5800	0.10	7.5
40: VIS-CV5-MS-216	NA	< 0.05	< 0.5	9500	32	360	35	0.33	0.10	6500	0.03	9.6
41: VIS-CV5-MS-217	NA	< 0.05	< 0.5	17000	12	7	110	1.0	< 0.09	4500	0.05	6.9
42: VIS-CV5-MS-218	NA	< 0.05	< 0.5	16000	7.7	4	110	0.24	< 0.09	4200	0.05	6.1
43: VIS-CV5-MS-219	NA	< 0.05	< 0.5	26000	37	4	290	0.36	0.10	8600	0.10	13
44: VIS-CV5-MS-220	NA	< 0.05	< 0.5	11000	0.5	4	63	0.09	0.17	3900	0.03	13
45: VIS-CV5-MS-221	NA	< 0.05	< 0.5	5600	1.3	1	150	0.07	0.10	4600	0.11	8.4
46: VIS-CV5-MS-222	NA	< 0.05	< 0.5	15000	3.8	7	50	1.9	< 0.09	6700	0.02	9.1
47: VIS-CV5-MS-223	NA	< 0.05	< 0.5	15000	98	5	64	0.57	0.09	950	0.12	18
48: VIS-CV5-MS-224	NA	< 0.05	< 0.5	14000	23	3	29	0.61	0.42	1400	1.6	17
49: VIS-CV5-MS-225	NA	< 0.05	< 0.5	15000	110	2	26	0.63	0.17	1900	0.03	10
50: VIS-CV5-MS-226	NA	< 0.05	< 0.5	7700	7.7	17	8.3	0.23	< 0.09	18000	0.03	8.3
51: VIS-CV5-MS-227	NA	< 0.05	< 0.5	17000	7.9	3	51	0.28	0.30	3200	0.09	10
52: VIS-CV5-MS-228	NA	< 0.05	< 0.5	19000	97	5	64	0.65	0.22	7400	0.03	22

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11018-FEB25**

Sample ID	Cr µg/g	Cu µg/g	Fe µg/g	K µg/g	Li µg/g	Mg µg/g	Mn µg/g	Mo µg/g	Na µg/g	Ni µg/g	P µg/g	Pb µg/g
1: Analysis Start Date	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
2: Analysis Start Time	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01
3: Analysis Completed Date	16-Mar-25	16-Mar-25	17-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	17-Mar-25
4: Analysis Completed Time	21:09	21:09	10:27	21:10	21:10	21:10	21:10	21:10	21:10	21:10	21:10	10:19
5: VIS-CV5-AMP-181	57	100	20000	520	190	6900	300	0.8	590	54	220	1.1
6: VIS-CV5-AMP-182	35	85	8600	290	61	4600	120	0.4	1000	26	130	0.13
7: VIS-CV5-MS-183	61	27	15000	4200	360	6700	240	1.3	670	23	330	1.6
8: VIS-CV5-MS-184	21	18	25000	5700	200	6100	350	0.9	520	4.2	570	1.7
9: VIS-CV5-MS-185	41	23	16000	1200	220	7000	220	1.1	580	15	310	4.6
10: VIS-CV5-MS-186	47	27	19000	2000	270	4300	280	1.2	570	16	320	3.4
11: VIS-CV5-MS-187	68	55	16000	2100	64	3100	210	2.3	710	37	61	1.6
12: VIS-CV5-MS-188	39	15	26000	8200	670	7000	450	2.2	630	13	470	2.7
13: VIS-CV5-MS-189	32	26	19000	5500	450	4400	280	2.1	460	11	460	3.2
14: VIS-CV5-MS-190	24	23	21000	7800	23	6000	130	1.0	660	13	370	1.5
15: VIS-CV5-MS-191	25	50	40000	1800	380	21000	630	1.4	230	16	310	1600
16: VIS-CV5-MS-192	31	23	21000	4300	290	7000	280	1.6	470	17	520	11
17: VIS-CV5-MS-193	36	20	29000	3400	580	16000	490	1.5	360	21	490	3.8
18: VIS-CV5-MS-194	38	8.5	49000	3900	620	28000	450	1.1	240	30	480	1.9
19: VIS-CV5-MS-195	47	190	47000	83	5	1700	1000	0.7	98	97	130	1.0
20: VIS-CV5-MS-196	54	190	45000	240	3	2100	1100	0.8	220	98	150	0.81
21: VIS-CV5-MS-197	79	240	64000	490	3	2600	1100	0.7	250	155	130	1.3
22: VIS-CV5-MS-198	57	34	22000	3500	330	8300	360	1.1	630	37	640	3.0
23: VIS-CV5-MS-199	51	39	22000	2500	230	8200	370	1.2	540	38	370	5.1
24: VIS-CV5-MS-200	70	38	13000	1300	390	7900	340	1.8	430	23	190	12
25: VIS-CV5-MS-201	57	34	27000	3300	370	5100	180	1.8	710	29	370	3.5
26: VIS-CV5-MS-202	64	140	80000	1700	330	4900	480	2.3	280	19	310	6.0
27: VIS-CV5-MS-203	110	51	12000	450	120	2600	140	4.4	320	9.4	40	4.1
28: VIS-CV5-MS-204	72	73	30000	5600	940	13000	910	1.6	580	32	500	20
29: VIS-CV5-MS-205	160	70	23000	12000	1600	8700	420	2.3	290	61	370	2.0
30: VIS-CV5-MS-206	68	44	25000	5200	190	11000	120	2.0	560	26	580	2.6
31: VIS-CV5-MS-207	74	43	23000	6000	680	7000	470	1.9	520	25	300	1.8
32: VIS-CV5-MS-208	43	10	3800	1900	88	1000	110	2.3	400	11	170	4.6
33: VIS-CV5-MS-209	79	56	13000	2000	350	6600	230	1.2	530	33	220	3.3
34: VIS-CV5-MS-210	53	860	20000	7400	1700	5600	270	2.4	140	20	170	97

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11018-FEB25**

Sample ID	Cr µg/g	Cu µg/g	Fe µg/g	K µg/g	Li µg/g	Mg µg/g	Mn µg/g	Mo µg/g	Na µg/g	Ni µg/g	P µg/g	Pb µg/g
35: VIS-CV5-MS-211	120	36	20000	8700	640	7200	360	2.8	260	36	280	3.1
36: VIS-CV5-MS-212	59	36	16000	6000	600	3900	330	2.5	300	19	350	15
37: VIS-CV5-MS-213	35	18	25000	8700	440	7700	310	2.8	800	22	310	2.6
38: VIS-CV5-MS-214	31	7.0	28000	4400	490	12000	480	2.2	270	14	150	2.2
39: VIS-CV5-MS-215	41	77	8600	1100	240	4200	79	0.9	570	20	1100	3.7
40: VIS-CV5-MS-216	47	79	17000	740	240	9000	160	1.2	390	31	650	6.2
41: VIS-CV5-MS-217	24	6.3	24000	7200	690	5400	430	1.4	390	4.3	640	3.1
42: VIS-CV5-MS-218	25	4.3	22000	7900	450	5500	340	1.3	320	2.7	570	2.7
43: VIS-CV5-MS-219	29	24	33000	12000	770	10000	540	1.5	650	11	520	2.7
44: VIS-CV5-MS-220	40	41	22000	3200	83	2500	87	1.4	740	20	360	4.1
45: VIS-CV5-MS-221	73	27	21000	2000	93	6400	220	2.5	360	20	77	2.5
46: VIS-CV5-MS-222	77	16	17000	2300	380	7900	470	1.7	360	25	520	2.8
47: VIS-CV5-MS-223	190	48	20000	4600	360	10000	140	1.6	260	83	79	1.9
48: VIS-CV5-MS-224	61	130	23000	2000	400	8700	470	2.5	210	39	150	6.7
49: VIS-CV5-MS-225	58	2.4	23000	720	370	9700	320	1.7	410	22	91	1.2
50: VIS-CV5-MS-226	44	82	9800	410	97	4400	210	1.3	530	20	180	1.2
51: VIS-CV5-MS-227	92	97	45000	2500	380	10000	580	2.4	320	22	150	2.6
52: VIS-CV5-MS-228	150	37	20000	5600	430	11000	260	0.8	560	89	240	1.2

Sample ID	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti µg/g	Tl µg/g	U µg/g	V µg/g	Zn µg/g	Au µg/g	Ce µg/g	Cs µg/g
1: Analysis Start Date	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
2: Analysis Start Time	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01	00:01
3: Analysis Completed Date	17-Mar-25	17-Mar-25	17-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	17-Mar-25	16-Mar-25	16-Mar-25	17-Mar-25
4: Analysis Completed Time	10:19	10:19	10:19	21:10	21:10	21:10	21:10	21:11	10:19	21:11	21:11	10:19
5: VIS-CV5-AMP-181	1.3	0.4	< 5	5.7	460	0.12	0.13	36	21	< 0.02	6.96	13
6: VIS-CV5-AMP-182	1.1	0.2	< 5	9.0	290	0.10	0.041	20	9.9	---	---	---
7: VIS-CV5-MS-183	3.5	0.1	< 5	8.9	800	0.71	0.48	52	61	< 0.02	21.5	140
8: VIS-CV5-MS-184	< 0.8	< 0.1	< 5	9.8	970	0.12	0.57	43	39	---	---	---
9: VIS-CV5-MS-185	0.9	0.2	< 5	4.5	460	0.13	0.29	36	23	---	---	---
10: VIS-CV5-MS-186	0.8	0.3	< 5	6.0	710	0.23	0.36	40	25	---	---	---
11: VIS-CV5-MS-187	< 0.8	0.6	< 5	13	390	0.08	0.61	10	26	< 0.02	15.5	12
12: VIS-CV5-MS-188	2.0	< 0.1	7	9.7	1600	7.0	0.84	51	46	---	---	---
13: VIS-CV5-MS-189	1.8	< 0.1	< 5	6.3	1100	1.3	0.70	38	47	---	---	---

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti µg/g	Tl µg/g	U µg/g	V µg/g	Zn µg/g	Au µg/g	Ce µg/g	Cs µg/g
14: VIS-CV5-MS-190	< 0.8	< 0.1	< 5	5.7	1300	0.15	0.42	79	41	---	---	---
15: VIS-CV5-MS-191	0.9	0.3	< 5	4.6	1000	0.09	0.45	45	440	< 0.02	16.7	24
16: VIS-CV5-MS-192	< 0.8	< 0.1	< 5	6.1	1300	0.85	0.59	60	49	---	---	---
17: VIS-CV5-MS-193	2.3	< 0.1	6	5.8	1000	2.9	0.55	69	38	---	---	---
18: VIS-CV5-MS-194	< 0.8	< 0.1	< 5	4.8	1200	0.22	0.55	67	33	---	---	---
19: VIS-CV5-MS-195	< 0.8	0.4	< 5	51	110	< 0.02	0.18	12	7.1	< 0.02	7.27	2
20: VIS-CV5-MS-196	< 0.8	0.3	< 5	53	160	< 0.02	0.11	13	8.0	---	---	---
21: VIS-CV5-MS-197	< 0.8	0.7	< 5	46	210	< 0.02	0.13	15	11	---	---	---
22: VIS-CV5-MS-198	2.0	< 0.1	< 5	7.4	830	1.2	2.2	33	52	---	---	---
23: VIS-CV5-MS-199	< 0.8	0.2	< 5	6.4	840	0.21	1.2	41	49	< 0.02	30.2	19
24: VIS-CV5-MS-200	4.4	< 0.1	< 5	4.8	550	0.24	1.8	37	67	---	---	---
25: VIS-CV5-MS-201	< 0.8	0.1	< 5	7.8	800	0.42	0.96	52	23	---	---	---
26: VIS-CV5-MS-202	1.8	1.0	8	3.1	590	0.82	0.62	25	72	---	---	---
27: VIS-CV5-MS-203	2.8	0.4	< 5	2.2	270	0.36	1.6	9	10	< 0.02	15.0	37
28: VIS-CV5-MS-204	40	0.2	< 5	8.0	1200	5.6	2.2	66	64	---	---	---
29: VIS-CV5-MS-205	33	0.2	48	1.8	1100	27	1.3	33	57	---	---	---
30: VIS-CV5-MS-206	1.5	0.3	< 5	8.4	920	0.26	0.70	60	45	---	---	---
31: VIS-CV5-MS-207	1.9	0.2	7	5.0	1000	4.3	0.79	49	27	< 0.02	18.2	560
32: VIS-CV5-MS-208	1.8	< 0.1	< 5	11	150	0.31	1.7	5	36	---	---	---
33: VIS-CV5-MS-209	2.3	0.2	< 5	13	740	0.47	1.3	45	22	---	---	---
34: VIS-CV5-MS-210	230	2.6	34	1.3	450	22	1.5	13	1000	---	---	---
35: VIS-CV5-MS-211	7.1	0.2	< 5	4.2	1100	6.3	2.0	28	55	< 0.02	21.6	850
36: VIS-CV5-MS-212	19	0.2	6	5.0	750	5.8	2.6	23	67	---	---	---
37: VIS-CV5-MS-213	< 0.8	< 0.1	< 5	23	1300	0.46	0.67	36	41	---	---	---
38: VIS-CV5-MS-214	< 0.8	0.1	< 5	4.6	750	2.3	1.6	8	39	---	---	---
39: VIS-CV5-MS-215	2.5	0.2	< 5	21	620	1.6	0.30	16	12	< 0.02	34.1	350
40: VIS-CV5-MS-216	1.6	0.6	< 5	15	320	0.52	0.97	26	20	---	---	---
41: VIS-CV5-MS-217	1.0	< 0.1	13	5.3	1500	9.5	1.6	17	56	---	---	---
42: VIS-CV5-MS-218	< 0.8	< 0.1	< 5	5.5	1600	1.2	1.1	14	49	---	---	---
43: VIS-CV5-MS-219	5.5	< 0.1	< 5	17	2000	0.96	2.0	84	64	< 0.02	33.4	120
44: VIS-CV5-MS-220	< 0.8	0.3	< 5	17	590	0.14	3.3	33	46	---	---	---
45: VIS-CV5-MS-221	< 0.8	0.4	< 5	2.8	510	0.06	1.1	17	41	---	---	---
46: VIS-CV5-MS-222	< 0.8	< 0.1	< 5	7.6	820	1.6	1.4	34	20	---	---	---
47: VIS-CV5-MS-223	2.5	0.2	< 5	3.2	520	1.1	1.1	32	70	< 0.02	15.2	340

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti µg/g	Tl µg/g	U µg/g	V µg/g	Zn µg/g	Au µg/g	Ce µg/g	Cs µg/g
48: VIS-CV5-MS-224	4.4	0.7	< 5	2.1	860	1.3	2.0	30	500	---	---	---
49: VIS-CV5-MS-225	1.6	< 0.1	< 5	2.3	1000	0.27	2.0	38	40	---	---	---
50: VIS-CV5-MS-226	1.7	0.3	< 5	11	450	0.08	0.59	22	15	---	---	---
51: VIS-CV5-MS-227	1.8	0.7	< 5	3.9	810	1.2	1.5	37	59	< 0.02	21.2	170
52: VIS-CV5-MS-228	2.3	< 0.1	< 5	11	1000	1.8	0.19	37	24	---	---	---

Sample ID	Dy µg/g	Er µg/g	Eu µg/g	Ga µg/g	Gd µg/g	Ge µg/g	Hf µg/g	Ho µg/g	In µg/g	Ir µg/g	La µg/g	Lu µg/g
1: Analysis Start Date	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
2: Analysis Start Time	00:01	00:01	00:01	14:17	00:01	00:01	00:01	00:01	14:17	00:01	00:01	00:01
3: Analysis Completed Date	16-Mar-25	16-Mar-25	16-Mar-25	19-Mar-25	16-Mar-25	19-Mar-25	16-Mar-25	16-Mar-25	19-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25
4: Analysis Completed Time	21:11	21:11	21:11	09:50	21:12	09:50	21:12	21:12	09:50	21:12	21:12	21:12
5: VIS-CV5-AMP-181	0.37	0.22	0.13	3	0.51	0.3	< 0.1	0.074	< 0.01	< 0.01	3.27	0.12
6: VIS-CV5-AMP-182	---	---	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-MS-183	0.90	0.38	0.27	5	1.52	0.6	0.1	0.15	0.01	< 0.01	10.2	0.087
8: VIS-CV5-MS-184	---	---	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-MS-185	---	---	---	---	---	---	---	---	---	---	---	---
10: VIS-CV5-MS-186	---	---	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-MS-187	0.37	0.18	0.24	2	0.78	0.4	< 0.1	0.070	< 0.01	< 0.01	8.66	0.10
12: VIS-CV5-MS-188	---	---	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-MS-189	---	---	---	---	---	---	---	---	---	---	---	---
14: VIS-CV5-MS-190	---	---	---	---	---	---	---	---	---	---	---	---
15: VIS-CV5-MS-191	1.52	0.82	0.31	9	1.79	1.0	0.3	0.30	0.04	< 0.01	8.04	0.20
16: VIS-CV5-MS-192	---	---	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-MS-193	---	---	---	---	---	---	---	---	---	---	---	---
18: VIS-CV5-MS-194	---	---	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-MS-195	0.41	0.16	0.41	1	0.85	0.8	< 0.1	0.063	< 0.01	< 0.01	3.57	0.11
20: VIS-CV5-MS-196	---	---	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-MS-197	---	---	---	---	---	---	---	---	---	---	---	---
22: VIS-CV5-MS-198	---	---	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-MS-199	1.14	0.55	0.39	5	1.99	0.8	0.2	0.21	0.01	< 0.01	14.9	0.095
24: VIS-CV5-MS-200	---	---	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-MS-201	---	---	---	---	---	---	---	---	---	---	---	---
26: VIS-CV5-MS-202	---	---	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Dy µg/g	Er µg/g	Eu µg/g	Ga µg/g	Gd µg/g	Ge µg/g	Hf µg/g	Ho µg/g	In µg/g	Ir µg/g	La µg/g	Lu µg/g
27: VIS-CV5-MS-203	0.35	0.18	0.15	3	0.72	0.4	< 0.1	0.060	< 0.01	< 0.01	8.74	0.062
28: VIS-CV5-MS-204	---	---	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-MS-205	---	---	---	---	---	---	---	---	---	---	---	---
30: VIS-CV5-MS-206	---	---	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-MS-207	0.98	0.45	0.24	5	1.49	0.7	0.2	0.17	0.03	< 0.01	8.78	0.090
32: VIS-CV5-MS-208	---	---	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-MS-209	---	---	---	---	---	---	---	---	---	---	---	---
34: VIS-CV5-MS-210	---	---	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-MS-211	0.83	0.34	0.21	5	1.53	0.7	0.2	0.13	0.02	< 0.01	11.4	0.074
36: VIS-CV5-MS-212	---	---	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-MS-213	---	---	---	---	---	---	---	---	---	---	---	---
38: VIS-CV5-MS-214	---	---	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-MS-215	1.46	0.73	0.52	2	2.59	0.8	< 0.1	0.26	< 0.01	< 0.01	15.8	0.14
40: VIS-CV5-MS-216	---	---	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-MS-217	---	---	---	---	---	---	---	---	---	---	---	---
42: VIS-CV5-MS-218	---	---	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-MS-219	1.97	0.95	0.56	8	2.70	1.1	0.2	0.36	0.02	< 0.01	16.6	0.16
44: VIS-CV5-MS-220	---	---	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-MS-221	---	---	---	---	---	---	---	---	---	---	---	---
46: VIS-CV5-MS-222	---	---	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-MS-223	0.68	0.35	0.21	5	1.10	0.6	< 0.1	0.12	0.01	< 0.01	7.92	0.080
48: VIS-CV5-MS-224	---	---	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-MS-225	---	---	---	---	---	---	---	---	---	---	---	---
50: VIS-CV5-MS-226	---	---	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-MS-227	0.61	0.24	0.31	5	1.21	1.0	< 0.1	0.094	0.02	< 0.01	11.1	0.087
52: VIS-CV5-MS-228	---	---	---	---	---	---	---	---	---	---	---	---

Sample ID	Nb µg/g	Nd µg/g	Os µg/g	Pd µg/g	Pr µg/g	Pt µg/g	Rh µg/g	Rb µg/g	Re µg/g	Ru µg/g	Sm µg/g	Sc µg/g
1: Analysis Start Date	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
2: Analysis Start Time	00:01	00:01	00:01	00:01	00:01	00:01	00:01	14:17	00:01	00:01	14:17	14:17
3: Analysis Completed Date	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	16-Mar-25	19-Mar-25	19-Mar-25	16-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25
4: Analysis Completed Time	21:12	21:12	21:12	21:12	21:12	21:12	09:49	09:49	21:12	09:49	09:49	09:49
5: VIS-CV5-AMP-181	< 0.1	3.1	< 0.1	< 0.2	0.79	< 0.1	< 0.01	10.6	< 0.05	< 0.01	0.48	3

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Nb µg/g	Nd µg/g	Os µg/g	Pd µg/g	Pr µg/g	Pt µg/g	Rh µg/g	Rb µg/g	Re µg/g	Ru µg/g	Sm µg/g	Sc µg/g
6: VIS-CV5-AMP-182	---	---	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-MS-183	< 0.1	9.4	< 0.1	< 0.2	2.40	< 0.1	< 0.01	70.4	< 0.05	< 0.01	1.55	6
8: VIS-CV5-MS-184	---	---	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-MS-185	---	---	---	---	---	---	---	---	---	---	---	---
10: VIS-CV5-MS-186	---	---	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-MS-187	< 0.1	5.3	< 0.1	< 0.2	1.54	< 0.1	< 0.01	12.9	< 0.05	< 0.01	0.75	0.91
12: VIS-CV5-MS-188	---	---	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-MS-189	---	---	---	---	---	---	---	---	---	---	---	---
14: VIS-CV5-MS-190	---	---	---	---	---	---	---	---	---	---	---	---
15: VIS-CV5-MS-191	< 0.1	8.3	< 0.1	< 0.2	2.02	< 0.1	0.06	11.7	< 0.05	< 0.01	1.58	7
16: VIS-CV5-MS-192	---	---	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-MS-193	---	---	---	---	---	---	---	---	---	---	---	---
18: VIS-CV5-MS-194	---	---	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-MS-195	< 0.1	4.1	< 0.1	< 0.2	0.91	< 0.1	< 0.01	0.74	< 0.05	< 0.01	0.89	1
20: VIS-CV5-MS-196	---	---	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-MS-197	---	---	---	---	---	---	---	---	---	---	---	---
22: VIS-CV5-MS-198	---	---	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-MS-199	< 0.1	12.5	< 0.1	< 0.2	3.31	< 0.1	< 0.01	22.4	< 0.05	< 0.01	1.97	3
24: VIS-CV5-MS-200	---	---	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-MS-201	---	---	---	---	---	---	---	---	---	---	---	---
26: VIS-CV5-MS-202	---	---	---	---	---	---	---	---	---	---	---	---
27: VIS-CV5-MS-203	< 0.1	5.1	< 0.1	< 0.2	1.51	< 0.1	< 0.01	37.3	< 0.05	< 0.01	0.71	0.83
28: VIS-CV5-MS-204	---	---	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-MS-205	---	---	---	---	---	---	---	---	---	---	---	---
30: VIS-CV5-MS-206	---	---	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-MS-207	< 0.1	8.3	< 0.1	< 0.2	2.08	< 0.1	< 0.01	457	< 0.05	< 0.01	1.40	7
32: VIS-CV5-MS-208	---	---	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-MS-209	---	---	---	---	---	---	---	---	---	---	---	---
34: VIS-CV5-MS-210	---	---	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-MS-211	0.2	8.2	< 0.1	< 0.2	2.24	< 0.1	< 0.01	805	< 0.05	< 0.01	1.44	3
36: VIS-CV5-MS-212	---	---	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-MS-213	---	---	---	---	---	---	---	---	---	---	---	---
38: VIS-CV5-MS-214	---	---	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-MS-215	< 0.1	15.9	< 0.1	< 0.2	4.12	< 0.1	< 0.01	147	< 0.05	< 0.01	2.50	1

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Nb µg/g	Nd µg/g	Os µg/g	Pd µg/g	Pr µg/g	Pt µg/g	Rh µg/g	Rb µg/g	Re µg/g	Ru µg/g	Sm µg/g	Sc µg/g
40: VIS-CV5-MS-216	---	---	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-MS-217	---	---	---	---	---	---	---	---	---	---	---	---
42: VIS-CV5-MS-218	---	---	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-MS-219	0.1	14.3	< 0.1	< 0.2	3.66	< 0.1	< 0.01	106	< 0.05	< 0.01	2.65	11
44: VIS-CV5-MS-220	---	---	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-MS-221	---	---	---	---	---	---	---	---	---	---	---	---
46: VIS-CV5-MS-222	---	---	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-MS-223	< 0.1	6.1	< 0.1	< 0.2	1.62	< 0.1	< 0.01	115	< 0.05	< 0.01	1.09	3
48: VIS-CV5-MS-224	---	---	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-MS-225	---	---	---	---	---	---	---	---	---	---	---	---
50: VIS-CV5-MS-226	---	---	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-MS-227	< 0.1	8.2	< 0.1	< 0.2	2.19	< 0.1	< 0.01	115	< 0.05	< 0.01	1.34	3
52: VIS-CV5-MS-228	---	---	---	---	---	---	---	---	---	---	---	---

Sample ID	Ta µg/g	Tb µg/g	Te µg/g	Th µg/g	Tm µg/g
1: Analysis Start Date	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25	14-Mar-25
2: Analysis Start Time	00:01	14:17	00:01	00:01	14:17
3: Analysis Completed Date	16-Mar-25	19-Mar-25	16-Mar-25	16-Mar-25	19-Mar-25
4: Analysis Completed Time	21:12	09:49	21:12	21:12	09:49
5: VIS-CV5-AMP-181	< 0.01	0.063	0.2	0.70	0.028
6: VIS-CV5-AMP-182	---	---	---	---	---
7: VIS-CV5-MS-183	< 0.01	0.18	< 0.1	2.2	0.040
8: VIS-CV5-MS-184	---	---	---	---	---
9: VIS-CV5-MS-185	---	---	---	---	---
10: VIS-CV5-MS-186	---	---	---	---	---
11: VIS-CV5-MS-187	< 0.01	0.076	0.1	2.3	0.021
12: VIS-CV5-MS-188	---	---	---	---	---
13: VIS-CV5-MS-189	---	---	---	---	---
14: VIS-CV5-MS-190	---	---	---	---	---
15: VIS-CV5-MS-191	< 0.01	0.25	< 0.1	3.9	0.099
16: VIS-CV5-MS-192	---	---	---	---	---
17: VIS-CV5-MS-193	---	---	---	---	---
18: VIS-CV5-MS-194	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004055187

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Ta µg/g	Tb µg/g	Te µg/g	Th µg/g	Tm µg/g
19: VIS-CV5-MS-195	< 0.01	0.092	< 0.1	0.51	0.019
20: VIS-CV5-MS-196	---	---	---	---	---
21: VIS-CV5-MS-197	---	---	---	---	---
22: VIS-CV5-MS-198	---	---	---	---	---
23: VIS-CV5-MS-199	0.01	0.23	< 0.1	4.6	0.058
24: VIS-CV5-MS-200	---	---	---	---	---
25: VIS-CV5-MS-201	---	---	---	---	---
26: VIS-CV5-MS-202	---	---	---	---	---
27: VIS-CV5-MS-203	< 0.01	0.073	< 0.1	2.5	0.019
28: VIS-CV5-MS-204	---	---	---	---	---
29: VIS-CV5-MS-205	---	---	---	---	---
30: VIS-CV5-MS-206	---	---	---	---	---
31: VIS-CV5-MS-207	0.01	0.18	< 0.1	2.3	0.047
32: VIS-CV5-MS-208	---	---	---	---	---
33: VIS-CV5-MS-209	---	---	---	---	---
34: VIS-CV5-MS-210	---	---	---	---	---
35: VIS-CV5-MS-211	0.05	0.18	< 0.1	6.6	0.037
36: VIS-CV5-MS-212	---	---	---	---	---
37: VIS-CV5-MS-213	---	---	---	---	---
38: VIS-CV5-MS-214	---	---	---	---	---
39: VIS-CV5-MS-215	< 0.01	0.28	< 0.1	1.8	0.076
40: VIS-CV5-MS-216	---	---	---	---	---
41: VIS-CV5-MS-217	---	---	---	---	---
42: VIS-CV5-MS-218	---	---	---	---	---
43: VIS-CV5-MS-219	0.02	0.36	< 0.1	4.6	0.11
44: VIS-CV5-MS-220	---	---	---	---	---
45: VIS-CV5-MS-221	---	---	---	---	---
46: VIS-CV5-MS-222	---	---	---	---	---
47: VIS-CV5-MS-223	< 0.01	0.14	< 0.1	3.7	0.041
48: VIS-CV5-MS-224	---	---	---	---	---
49: VIS-CV5-MS-225	---	---	---	---	---
50: VIS-CV5-MS-226	---	---	---	---	---
51: VIS-CV5-MS-227	< 0.01	0.14	< 0.1	6.0	0.027
52: VIS-CV5-MS-228	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
Mercury by CVAAS	ug/g	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	Y	N
Metals, ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	N
Metals, ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	Y

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Mercury by CVAAS - QCBatchID: EHG0021-MAR25													
Mercury	0.05	ug/g	<0.05			ND	20	99	80	120	105	70	130
Metals - Microwave/ICP-MS - QCBatchID: EMS0097-MAR25													
Cerium	0.001	µg/g	<0.001			1	20	102	70	130	NV	70	130
Cesium	0.01	µg/g	<0.01			0	20	91	70	130	NV	70	130
Dysprosium	0.001	µg/g	<0.001			2	20	105	70	130	NV	70	130
Erbium	0.001	µg/g	<0.001			1	20	107	70	130	NV	70	130
Europium	0.001	µg/g	<0.001			3	20	105	70	130	NV	70	130
Gadolinium	0.001	µg/g	<0.001			0	20	105	70	130	NV	70	130
Germanium	0.3	µg/g	<0.01			ND	20	101	70	130	NV	70	130
Gold	0.02	µg/g	<0.01			ND	20	98	70	130	NV	70	130
Hafnium	0.1	µg/g	<0.1			ND	20	92	70	130	NV	70	130
Holmium	0.001	µg/g	<0.001			0	20	105	70	130	NV	70	130
Iridium	0.01	µg/g	<0.01			ND	20	102	70	130	NV	70	130
Lanthanum	0.001	µg/g	<0.001			0	20	102	70	130	NV	70	130
Lutetium	0.001	µg/g	<0.001			8	20	104	70	130	NV	70	130
Neodymium	0.006	µg/g	<0.001			0	20	102	70	130	NV	70	130
Niobium	0.1	µg/g	<0.1			ND	20	96	70	130	NV	70	130
Osmium	0.1	µg/g	<0.1			ND	20	105	70	130	NV	70	130
Palladium	0.2	µg/g	<0.01			ND	20	98	70	130	NV	70	130
Platinum	0.1	µg/g	<0.01			ND	20	100	70	130	NV	70	130
Praseodymium	0.001	µg/g	<0.001			3	20	102	70	130	NV	70	130
Rhenium	0.05	µg/g	<0.05			ND	20	105	70	130	NV	70	130
Rhodium	0.01	µg/g	<0.01			ND	20	99	70	130	NV	70	130
Ruthenium	0.01	µg/g	<0.01			ND	20	101	70	130	NV	70	130
Tantalum	0.01	µg/g	<0.01			ND	20	107	70	130	NV	70	130
Tellurium	0.1	µg/g	<0.01			1	20	102	70	130	NV	70	130
Metals - Microwave/ICP-MS - QCBatchID: EMS0121-MAR25													
Gallium	0.03	µg/g	< 0.03			1	20	100	70	130			
Indium	0.01	µg/g	< 0.01			ND	20	101	70	130			
Rubidium	0.004	µg/g	< 0.004			2	20	100	70	130			
Samarium	0.001	µg/g	< 0.001			6	20	100	70	130			
Scandium	0.03	µg/g	< 0.03			1	20	99	70	130			
Terbium	0.001	µg/g	< 0.001			2	20	101	70	130			
Thulium	0.001	µg/g	< 0.001			6	20	99	70	130			
Metals, ICP-MS - QCBatchID: EMS0097-MAR25													

OnLine LIMS

0004055187

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : **CA11018-FEB25**

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Aluminum	3	µg/g	<3			0	20	104	70	130	92	70	130
Antimony	0.8	µg/g	<0.8			3	20	98	70	130	NV	70	130
Arsenic	0.5	µg/g	<0.5			12	20	101	70	130	96	70	130
Barium	0.01	µg/g	<0.01			0	20	101	70	130	88	70	130
Beryllium	0.02	µg/g	<0.02			7	20	105	70	130	106	70	130
Bismuth	0.09	µg/g	<0.09			1	20	93	70	130	NV	70	130
Boron	1	µg/g	<1			2	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	106	70	130	100	70	130
Calcium	3	µg/g	<3			1	20	95	70	130	87	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	102	70	130
Cobalt	0.01	µg/g	<0.01			5	20	100	70	130	91	70	130
Copper	0.1	µg/g	<0.1			0	20	99	70	130	85	70	130
Iron	3	µg/g	<3			0	20	102	70	130	109	70	130
Lead	0.05	µg/g	<0.05			8	20	103	70	130	101	70	130
Lithium	2	µg/g	<2			4	20	102	70	130	101	70	130
Magnesium	3	µg/g	<1			0	20	105	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			1	20	102	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			3	20	99	70	130	111	70	130
Nickel	0.1	µg/g	<0.1			0	20	101	70	130	95	70	130
Phosphorus	3	µg/g	<3			3	20	97	70	130	NV	70	130
Potassium	3	µg/g	<3			0	20	97	70	130	83	70	130
Selenium	0.1	µg/g	<0.1			6	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	109	70	130	112	70	130
Sodium	3	µg/g	<3			0	20	105	70	130	91	70	130
Strontium	0.02	µg/g	<0.02			3	20	99	70	130	90	70	130
Thallium	0.02	µg/g	<0.02			3	20	97	70	130	105	70	130
Thorium	0.01	µg/g	<0.5			6	20	106	70	130	NV	70	130
Tin	5	µg/g	<5			ND	20	102	70	130	112	70	130
Titanium	0.1	µg/g	<0.1			2	20	96	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			2	20	106	70	130	87	70	130
Vanadium	1	µg/g	<1			1	20	97	70	130	102	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	94	70	130

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004055187

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

24-March-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11019-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Sample weight g	Ext Fluid #1 or #2	Ext Volume mL	pH No unit	Conductivity uS/cm	Alkalinity mg/L as CaCO3	Acidity mg/L as CaCO3	F mg/L	Br mg/L	Cl mg/L
1: Analysis Start Date		17-Mar-25	17-Mar-25	17-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	18-Mar-25	18-Mar-25
2: Analysis Start Time		13:10	14:31	14:31	12:43	12:43	12:43	12:43	08:23	21:00	21:00
3: Analysis Completed Date		19-Mar-25	19-Mar-25	19-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25
4: Analysis Completed Time		13:35	13:35	13:35	15:41	11:16	11:16	11:16	12:10	13:13	13:13
5: VIS-CV5-AMP-181	NA	21	1	400	8.02	57	29	< 2	0.06	< 30	< 20
6: VIS-CV5-AMP-182	NA	19	1	400	7.67	44	18	< 2	0.09	< 30	< 20
7: VIS-CV5-MS-183	NA	20	1	400	7.85	54	28	< 2	0.08	< 30	< 20
8: VIS-CV5-MS-184	NA	19	1	400	7.89	60	28	< 2	< 0.06	< 30	< 20
9: VIS-CV5-MS-185	NA	20	1	400	7.73	56	26	< 2	0.20	< 30	< 20
10: VIS-CV5-MS-186	NA	21	1	400	7.82	62	27	< 2	< 0.06	< 30	< 20
11: VIS-CV5-MS-187	NA	20	1	400	7.71	56	27	< 2	< 0.06	< 30	< 20
12: VIS-CV5-MS-188	NA	20	1	400	7.84	54	26	< 2	0.48	< 30	< 20
13: VIS-CV5-MS-189	NA	20	1	400	7.29	56	29	< 2	0.25	< 30	< 20
14: VIS-CV5-MS-190	NA	20	1	400	7.77	57	29	< 2	< 0.06	< 30	< 20
15: VIS-CV5-MS-191	NA	20	1	400	7.73	58	30	< 2	< 0.06	< 30	< 20
16: VIS-CV5-MS-192	NA	20	1	400	7.52	58	29	< 2	< 0.06	< 30	< 20
17: VIS-CV5-MS-193	NA	20	1	400	7.67	58	29	< 2	0.35	< 30	< 20
18: VIS-CV5-MS-194	NA	20	1	400	7.73	57	29	< 2	0.08	< 30	< 20
19: VIS-CV5-MS-195	NA	20	1	400	7.59	110	37	< 2	< 0.06	< 30	< 20

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	Sample Date & Time	Sample weight g	Ext Fluid #1 or #2	Ext Volume mL	pH No unit	Conductivity uS/cm	Alkalinity mg/L as CaCO3	Acidity mg/L as CaCO3	F mg/L	Br mg/L	Cl mg/L
20: VIS-CV5-MS-196	NA	21	1	400	7.92	96	31	< 2	< 0.06	< 30	< 20
21: VIS-CV5-MS-197	NA	20	1	400	7.65	81	27	< 2	< 0.06	< 30	< 20
22: VIS-CV5-MS-198	NA	20	1	400	7.86	63	28	< 2	0.09	< 30	< 20
23: VIS-CV5-MS-199	NA	21	1	400	7.73	54	25	< 2	< 0.06	< 30	< 20
24: VIS-CV5-MS-200	NA	21	1	400	7.81	60	28	< 2	0.10	< 30	< 20
25: VIS-CV5-MS-201	NA	20	1	400	7.61	55	18	< 2	0.47	< 30	< 20
26: VIS-CV5-MS-202	NA	19	1	400	5.72	166	2	39	3.74	< 30	< 20
27: VIS-CV5-MS-203	NA	20	1	400	7.61	82	28	< 2	0.11	< 30	< 20
28: VIS-CV5-MS-204	NA	20	1	400	7.64	68	32	< 2	0.55	< 30	< 20
29: VIS-CV5-MS-205	NA	20	1	400	7.02	40	14	< 2	0.87	< 30	< 20
30: VIS-CV5-MS-206	NA	20	1	400	7.13	42	17	< 2	0.12	< 30	< 20
31: VIS-CV5-MS-207	NA	20	1	400	7.25	61	21	< 2	0.84	< 30	< 20
32: VIS-CV5-MS-208	NA	20	1	400	7.74	58	30	< 2	0.11	< 30	< 20
33: VIS-CV5-MS-209	NA	20	1	400	7.57	57	28	< 2	0.28	< 30	< 20
34: VIS-CV5-MS-210	NA	21	1	400	7.10	46	11	< 2	2.61	< 30	< 20
35: VIS-CV5-MS-211	NA	20	1	400	7.59	50	22	< 2	0.30	< 30	< 20
36: VIS-CV5-MS-212	NA	20	1	400	7.81	62	30	< 2	0.36	< 30	< 20
37: VIS-CV5-MS-213	NA	20	1	400	7.81	56	28	< 2	< 0.06	< 30	< 20
38: VIS-CV5-MS-214	NA	20	1	400	7.99	52	25	< 2	0.62	< 30	< 20
39: VIS-CV5-MS-215	NA	20	1	400	8.06	58	29	< 2	0.09	< 30	< 20
40: VIS-CV5-MS-216	NA	20	1	400	7.94	58	28	< 2	< 0.06	< 30	< 20
41: VIS-CV5-MS-217	NA	20	1	400	7.87	54	31	< 2	0.27	< 30	< 20
42: VIS-CV5-MS-218	NA	20	1	400	7.80	55	27	< 2	0.07	< 30	< 20
43: VIS-CV5-MS-219	NA	20	1	400	8.07	62	32	< 2	0.06	< 30	< 20
44: VIS-CV5-MS-220	NA	21	1	400	7.72	41	15	< 2	0.07	< 30	< 20
45: VIS-CV5-MS-221	NA	20	1	400	8.24	57	29	< 2	< 0.06	< 30	< 20
46: VIS-CV5-MS-222	NA	20	1	400	7.77	54	27	< 2	0.13	< 30	< 20
47: VIS-CV5-MS-223	NA	20	1	400	7.46	46	25	< 2	0.07	< 30	< 20
48: VIS-CV5-MS-224	NA	20	1	400	7.28	47	17	< 2	0.15	< 30	< 20
49: VIS-CV5-MS-225	NA	20	1	400	8.04	52	27	< 2	< 0.06	< 30	< 20
50: VIS-CV5-MS-226	NA	20	1	400	8.13	55	27	< 2	< 0.06	< 30	< 20
51: VIS-CV5-MS-227	NA	21	1	400	7.59	57	14	< 2	< 0.06	< 30	< 20
52: VIS-CV5-MS-228	NA	20	1	400	8.50	52	27	< 2	0.10	< 30	< 20

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	Sample Date & Time	Sample weight g	Ext Fluid #1 or #2	Ext Volume mL	pH No unit	Conductivity uS/cm	Alkalinity mg/L as CaCO3	Acidity mg/L as CaCO3	F mg/L	Br mg/L	Cl mg/L
53-DUP: VIS-CV5-MS-201		20	1	400	7.65	61	21	< 2	0.45	< 30	< 20
54-DUP: VIS-CV5-MS-228		20	1	400	8.93	54	28	< 2	0.07	< 30	< 20
55-BLK: $SPLP1312 Blank #1		---	1	400	4.35	21	< 2	4	< 0.06	< 30	< 20

Sample ID	SO4 mg/L	NO2 as N mg/L	NO3 as N mg/L	Tot.Reactive P mg/L	Hg mg/L	Ag mg/L	Al mg/L	As mg/L	Ba mg/L	Be mg/L	B mg/L
1: Analysis Start Date	18-Mar-25	18-Mar-25	18-Mar-25	20-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25
2: Analysis Start Time	21:00	21:00	21:00	13:01	09:23	17:18	17:18	17:18	17:18	17:18	17:18
3: Analysis Completed Date	20-Mar-25	20-Mar-25	20-Mar-25	24-Mar-25	20-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25
4: Analysis Completed Time	13:13	13:13	13:13	10:41	14:43	16:20	16:20	16:20	16:20	16:20	16:20
5: VIS-CV5-AMP-181	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.463	0.0054	0.00087	< 0.000007	0.020
6: VIS-CV5-AMP-182	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.498	0.0059	0.00081	0.000008	0.027
7: VIS-CV5-MS-183	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.471	0.0125	0.00253	< 0.000007	0.024
8: VIS-CV5-MS-184	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.461	0.0072	0.00460	< 0.000007	0.021
9: VIS-CV5-MS-185	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.534	0.0051	0.00203	0.000010	0.027
10: VIS-CV5-MS-186	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.483	0.0078	0.00181	< 0.000007	0.027
11: VIS-CV5-MS-187	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.172	0.0004	0.00188	< 0.000007	0.021
12: VIS-CV5-MS-188	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.466	0.0132	0.00203	0.000019	0.026
13: VIS-CV5-MS-189	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.489	0.0210	0.00274	0.000007	0.027
14: VIS-CV5-MS-190	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.588	0.0024	0.00430	< 0.000007	0.031
15: VIS-CV5-MS-191	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.348	0.0025	0.00081	0.000007	0.030
16: VIS-CV5-MS-192	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.593	0.0213	0.00173	0.000053	0.037
17: VIS-CV5-MS-193	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.500	0.0444	0.00095	< 0.000007	0.027
18: VIS-CV5-MS-194	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.317	0.0271	0.00093	< 0.000007	0.033
19: VIS-CV5-MS-195	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.043	0.0025	0.00212	< 0.000007	0.025
20: VIS-CV5-MS-196	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.088	0.0124	0.00167	< 0.000007	0.023
21: VIS-CV5-MS-197	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.095	0.0118	0.00261	< 0.000007	0.025
22: VIS-CV5-MS-198	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.368	0.0061	0.00127	0.000053	0.028
23: VIS-CV5-MS-199	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.476	0.0020	0.00174	< 0.000007	0.025
24: VIS-CV5-MS-200	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.525	0.0742	0.00155	0.000041	0.029
25: VIS-CV5-MS-201	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.239	0.0008	0.00192	0.000011	0.027
26: VIS-CV5-MS-202	68	< 3	< 6	< 0.03	< 0.00001	< 0.00005	1.15	0.0004	0.00623	0.000861	0.066

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	SO4 mg/L	NO2 as N mg/L	NO3 as N mg/L	Tot.Reactive P mg/L	Hg mg/L	Ag mg/L	Al mg/L	As mg/L	Ba mg/L	Be mg/L	B mg/L
27: VIS-CV5-MS-203	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.135	0.0047	0.00110	0.000013	0.032
28: VIS-CV5-MS-204	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.501	0.0582	0.00224	0.000013	0.033
29: VIS-CV5-MS-205	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.437	0.0112	0.00336	0.000055	0.044
30: VIS-CV5-MS-206	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.418	0.0062	0.00371	0.000015	0.041
31: VIS-CV5-MS-207	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.299	0.0046	0.00175	0.000011	0.041
32: VIS-CV5-MS-208	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.750	0.0137	0.00489	0.000013	0.026
33: VIS-CV5-MS-209	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.570	0.0094	0.00417	0.000011	0.025
34: VIS-CV5-MS-210	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.307	0.161	0.00387	0.000164	0.087
35: VIS-CV5-MS-211	< 20	< 3	< 6	0.04	< 0.00001	< 0.00005	0.559	0.270	0.00388	0.000028	0.036
36: VIS-CV5-MS-212	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.721	0.0709	0.00341	0.000052	0.031
37: VIS-CV5-MS-213	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.566	0.0058	0.00247	< 0.000007	0.024
38: VIS-CV5-MS-214	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.517	0.0127	0.00216	0.000036	0.030
39: VIS-CV5-MS-215	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.555	0.0246	0.00190	0.000016	0.026
40: VIS-CV5-MS-216	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.421	0.106	0.00114	< 0.000007	0.042
41: VIS-CV5-MS-217	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.691	0.0087	0.00240	0.000040	0.024
42: VIS-CV5-MS-218	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.637	0.0834	0.00285	0.000018	0.029
43: VIS-CV5-MS-219	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.570	0.0572	0.00259	< 0.000007	0.026
44: VIS-CV5-MS-220	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.326	0.0009	0.00301	< 0.000007	0.048
45: VIS-CV5-MS-221	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.218	0.0024	0.00611	< 0.000007	0.022
46: VIS-CV5-MS-222	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.641	0.0054	0.00205	0.000029	0.028
47: VIS-CV5-MS-223	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.776	0.0723	0.00284	0.000019	0.035
48: VIS-CV5-MS-224	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.453	0.0127	0.00263	0.000021	0.035
49: VIS-CV5-MS-225	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.663	0.0922	0.00223	0.000023	0.027
50: VIS-CV5-MS-226	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.437	0.0046	0.00051	< 0.000007	0.034
51: VIS-CV5-MS-227	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.012	0.0011	0.00154	< 0.000007	0.036
52: VIS-CV5-MS-228	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.463	0.0624	0.00184	0.000008	0.032
53-DUP: VIS-CV5-MS-201	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.227	0.0004	0.00187	0.000013	0.028
54-DUP: VIS-CV5-MS-228	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.463	0.0947	0.00171	0.000008	0.031
55-BLK: $SPLP1312 Blank #1	< 20	< 3	< 6	< 0.03	< 0.00001	< 0.00005	0.001	< 0.0002	< 0.00008	< 0.000007	< 0.002

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	Bi mg/L	Ca mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L	Mn mg/L	Mo mg/L
1: Analysis Start Date	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25
2: Analysis Start Time	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18
3: Analysis Completed Date	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25
4: Analysis Completed Time	16:20	16:20	16:20	16:21	16:21	16:21	16:21	16:21	16:21	16:21	16:21	16:21
5: VIS-CV5-AMP-181	< 0.00001	6.83	< 0.000003	0.000053	0.00031	< 0.001	0.105	0.264	0.0251	0.612	0.00238	0.0009
6: VIS-CV5-AMP-182	< 0.00001	4.05	0.000006	0.000293	0.00138	< 0.001	0.372	0.257	0.0412	0.889	0.00581	< 0.0004
7: VIS-CV5-MS-183	< 0.00001	5.33	< 0.000003	0.000053	0.00030	< 0.001	0.077	1.29	0.0502	0.393	0.00182	0.0006
8: VIS-CV5-MS-184	< 0.00001	5.84	< 0.000003	0.000023	< 0.00008	< 0.001	0.078	3.08	0.0318	0.309	0.00176	< 0.0004
9: VIS-CV5-MS-185	< 0.00001	5.62	< 0.000003	0.000041	0.00016	< 0.001	0.079	0.803	0.0302	0.527	0.00187	0.0005
10: VIS-CV5-MS-186	< 0.00001	6.56	< 0.000003	0.000058	0.00028	< 0.001	0.095	1.12	0.0367	0.411	0.00302	0.0007
11: VIS-CV5-MS-187	< 0.00001	7.01	< 0.000003	0.000019	0.00011	< 0.001	0.049	0.994	0.0117	0.558	0.00185	< 0.0004
12: VIS-CV5-MS-188	< 0.00001	5.41	< 0.000003	0.000081	0.00010	< 0.001	0.133	2.16	0.0951	0.331	0.00302	< 0.0004
13: VIS-CV5-MS-189	< 0.00001	5.73	< 0.000003	0.000066	0.00022	< 0.001	0.108	1.69	0.0704	0.238	0.00218	0.0004
14: VIS-CV5-MS-190	0.00001	4.87	< 0.000003	0.000092	0.00033	< 0.001	0.198	2.93	0.0037	0.266	0.00193	< 0.0004
15: VIS-CV5-MS-191	< 0.00001	5.97	< 0.000003	0.000007	< 0.00008	< 0.001	0.024	1.25	0.0198	0.640	0.00045	0.0017
16: VIS-CV5-MS-192	< 0.00001	5.47	< 0.000003	0.000076	0.00013	< 0.001	0.094	1.75	0.0299	0.305	0.00175	< 0.0004
17: VIS-CV5-MS-193	< 0.00001	5.84	< 0.000003	0.000028	< 0.00008	< 0.001	0.027	1.50	0.0538	0.580	0.00055	< 0.0004
18: VIS-CV5-MS-194	< 0.00001	4.76	< 0.000003	0.000023	< 0.00008	< 0.001	0.020	1.82	0.0457	1.08	0.00035	0.0007
19: VIS-CV5-MS-195	< 0.00001	13.7	< 0.000003	0.000010	< 0.00008	< 0.001	< 0.007	0.141	0.0010	0.941	0.00144	< 0.0004
20: VIS-CV5-MS-196	< 0.00001	11.0	< 0.000003	0.000009	0.00014	< 0.001	< 0.007	0.698	0.0013	0.765	0.00085	< 0.0004
21: VIS-CV5-MS-197	< 0.00001	9.78	< 0.000003	0.000013	0.00008	< 0.001	< 0.007	0.716	0.0011	0.772	0.00060	< 0.0004
22: VIS-CV5-MS-198	< 0.00001	6.64	< 0.000003	0.000035	0.00015	< 0.001	0.039	1.58	0.0526	0.669	0.00106	0.0005
23: VIS-CV5-MS-199	< 0.00001	5.74	< 0.000003	0.000046	0.00016	< 0.001	0.065	1.09	0.0244	0.430	0.00191	0.0005
24: VIS-CV5-MS-200	< 0.00001	5.56	< 0.000003	0.000135	0.00031	< 0.001	0.064	1.30	0.0598	0.527	0.00219	0.0011
25: VIS-CV5-MS-201	< 0.00001	5.23	< 0.000003	0.000032	0.00016	< 0.001	0.065	1.54	0.0556	0.488	0.00122	0.0006
26: VIS-CV5-MS-202	< 0.00001	10.8	0.000069	0.0225	< 0.00008	0.003	16.5	1.33	0.133	2.43	0.213	< 0.0004
27: VIS-CV5-MS-203	< 0.00001	10.9	< 0.000003	0.000023	0.00025	< 0.001	0.016	0.236	0.0235	0.814	0.00118	0.0033
28: VIS-CV5-MS-204	< 0.00001	6.21	0.000005	0.000113	0.00019	< 0.001	0.069	2.24	0.139	0.594	0.00455	0.0004
29: VIS-CV5-MS-205	0.00002	1.15	0.000003	0.000161	0.00197	< 0.001	0.338	2.30	0.150	0.422	0.00704	< 0.0004
30: VIS-CV5-MS-206	< 0.00001	1.24	0.000021	0.000234	0.00041	< 0.001	0.341	2.84	0.0301	0.567	0.00245	< 0.0004
31: VIS-CV5-MS-207	< 0.00001	5.74	< 0.000003	0.000056	0.00047	< 0.001	0.055	1.39	0.0853	0.521	0.00481	0.0005
32: VIS-CV5-MS-208	< 0.00001	5.61	0.000008	0.000100	0.00026	< 0.001	0.053	1.60	0.0370	0.258	0.00449	0.0006
33: VIS-CV5-MS-209	< 0.00001	5.66	0.000003	0.000070	0.00057	< 0.001	0.107	1.15	0.0772	0.541	0.00241	< 0.0004

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	Bi mg/L	Ca mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L	Mn mg/L	Mo mg/L
34: VIS-CV5-MS-210	0.00010	2.05	0.000040	0.00136	0.00023	0.002	0.141	2.23	0.262	0.572	0.0226	< 0.0004
35: VIS-CV5-MS-211	0.00002	3.18	0.000006	0.000439	0.00120	< 0.001	0.305	2.66	0.124	0.430	0.00951	0.0004
36: VIS-CV5-MS-212	0.00003	5.98	0.000011	0.000109	0.00036	< 0.001	0.119	2.44	0.129	0.286	0.00512	0.0039
37: VIS-CV5-MS-213	< 0.00001	5.32	< 0.000003	0.000038	0.00013	< 0.001	0.096	3.11	0.0877	0.315	0.00203	0.0008
38: VIS-CV5-MS-214	< 0.00001	4.17	0.000003	0.000049	< 0.00008	< 0.001	0.146	1.84	0.0523	0.522	0.00339	0.0017
39: VIS-CV5-MS-215	< 0.00001	5.90	< 0.000003	0.000158	0.00093	< 0.001	0.175	0.494	0.206	0.712	0.00273	< 0.0004
40: VIS-CV5-MS-216	< 0.00001	5.98	< 0.000003	0.000026	0.00021	< 0.001	0.029	0.655	0.0754	0.649	0.00064	< 0.0004
41: VIS-CV5-MS-217	< 0.00001	5.24	< 0.000003	0.000049	< 0.00008	< 0.001	0.152	1.85	0.0636	0.261	0.00404	0.0010
42: VIS-CV5-MS-218	< 0.00001	4.90	0.000003	0.000049	0.00008	< 0.001	0.180	2.66	0.0544	0.270	0.00416	0.0025
43: VIS-CV5-MS-219	< 0.00001	5.30	< 0.000003	0.000028	0.00009	< 0.001	0.060	3.58	0.125	0.320	0.00137	0.0064
44: VIS-CV5-MS-220	< 0.00001	2.22	< 0.000003	0.000093	0.00026	< 0.001	0.116	1.97	0.0044	0.217	0.00121	< 0.0004
45: VIS-CV5-MS-221	< 0.00001	6.42	< 0.000003	0.000016	0.00020	< 0.001	0.068	0.733	0.0137	0.629	0.00243	< 0.0004
46: VIS-CV5-MS-222	< 0.00001	5.49	< 0.000003	0.000030	0.00027	< 0.001	0.062	1.46	0.0449	0.386	0.00245	0.0005
47: VIS-CV5-MS-223	< 0.00001	3.05	< 0.000003	0.000203	0.00176	< 0.001	0.163	3.05	0.0787	0.574	0.00175	< 0.0004
48: VIS-CV5-MS-224	0.00002	2.17	0.000010	0.000141	0.00045	< 0.001	0.107	2.80	0.0322	0.488	0.00264	0.0012
49: VIS-CV5-MS-225	< 0.00001	5.01	< 0.000003	0.000183	0.00020	< 0.001	0.073	0.549	0.0236	0.470	0.00108	< 0.0004
50: VIS-CV5-MS-226	< 0.00001	6.34	< 0.000003	0.000009	< 0.00008	< 0.001	0.015	0.255	0.0150	0.396	0.00052	< 0.0004
51: VIS-CV5-MS-227	< 0.00001	4.77	< 0.000003	0.000054	< 0.00008	< 0.001	< 0.007	1.22	0.0491	1.15	0.0194	< 0.0004
52: VIS-CV5-MS-228	< 0.00001	4.72	< 0.000003	0.000121	0.00162	< 0.001	0.172	2.18	0.0734	0.720	0.00361	0.0006
53-DUP: VIS-CV5-MS-201	< 0.00001	6.37	< 0.000003	0.000028	0.00016	< 0.001	0.053	1.48	0.0649	0.514	0.00125	0.0007
54-DUP: VIS-CV5-MS-228	< 0.00001	5.09	< 0.000003	0.000167	0.00204	< 0.001	0.196	1.98	0.0706	0.757	0.00417	< 0.0004
55-BLK: $SPLP1312 Blank #1	< 0.00001	< 0.01	< 0.000003	< 0.000004	< 0.00008	< 0.001	< 0.007	< 0.009	< 0.0001	0.001	0.00002	< 0.0004

Sample ID	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L
1: Analysis Start Date	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25
2: Analysis Start Time	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18	17:18
3: Analysis Completed Date	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25	24-Mar-25	24-Mar-25	21-Mar-25	21-Mar-25	21-Mar-25
4: Analysis Completed Time	16:21	16:21	16:21	16:21	16:21	16:21	16:21	10:27	10:27	16:22	16:22	16:22
5: VIS-CV5-AMP-181	4.07	0.0001	0.003	0.00012	0.0041	0.00004	1.72	< 0.00006	0.00920	0.0038	< 0.000005	0.000049
6: VIS-CV5-AMP-182	4.12	0.0009	0.011	< 0.00009	0.0112	0.00005	2.06	< 0.00006	0.00607	0.0130	0.000005	0.000026
7: VIS-CV5-MS-183	5.24	0.0002	0.011	< 0.00009	0.0139	< 0.00004	1.71	0.00038	0.00900	0.0082	0.000010	0.000443

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L
8: VIS-CV5-MS-184	4.76	< 0.0001	0.010	< 0.00009	< 0.0009	< 0.00004	1.42	0.00009	0.0103	0.0058	< 0.000005	0.000082
9: VIS-CV5-MS-185	5.36	< 0.0001	0.010	< 0.00009	0.0027	< 0.00004	1.80	0.00007	0.00756	0.0077	0.000005	0.000037
10: VIS-CV5-MS-186	5.37	0.0002	0.007	0.00018	0.0038	0.00005	1.76	< 0.00006	0.00935	0.0076	0.000006	0.000063
11: VIS-CV5-MS-187	3.52	< 0.0001	0.003	< 0.00009	< 0.0009	0.00004	1.72	< 0.00006	0.0160	0.0013	< 0.000005	0.000071
12: VIS-CV5-MS-188	4.53	0.0001	0.013	< 0.00009	0.0075	< 0.00004	1.42	< 0.00006	0.0102	0.0103	0.000048	0.000043
13: VIS-CV5-MS-189	5.06	0.0002	0.008	< 0.00009	0.0056	< 0.00004	1.63	0.00009	0.00677	0.0102	0.000016	0.000047
14: VIS-CV5-MS-190	5.61	0.0001	0.015	0.00011	< 0.0009	< 0.00004	1.76	0.00011	0.00635	0.0205	< 0.000005	0.000097
15: VIS-CV5-MS-191	5.04	< 0.0001	0.004	0.00275	0.0025	0.00007	1.34	< 0.00006	0.0205	0.0022	0.000005	0.000024
16: VIS-CV5-MS-192	5.39	0.0001	0.009	< 0.00009	0.0017	< 0.00004	1.75	0.00036	0.00861	0.0123	0.000012	0.000323
17: VIS-CV5-MS-193	5.32	< 0.0001	0.005	< 0.00009	0.0027	< 0.00004	1.52	< 0.00006	0.0132	0.0026	0.000009	0.000029
18: VIS-CV5-MS-194	5.14	< 0.0001	0.003	< 0.00009	0.0051	< 0.00004	1.24	< 0.00006	0.0202	0.0018	< 0.000005	0.000016
19: VIS-CV5-MS-195	5.63	0.0003	< 0.003	< 0.00009	< 0.0009	< 0.00004	1.08	0.00016	0.0251	< 0.0001	< 0.000005	0.000340
20: VIS-CV5-MS-196	5.85	0.0004	< 0.003	< 0.00009	< 0.0009	< 0.00004	1.21	< 0.00006	0.0231	0.0001	< 0.000005	0.000064
21: VIS-CV5-MS-197	3.77	0.0003	< 0.003	< 0.00009	< 0.0009	0.00006	1.26	< 0.00006	0.0194	0.0001	< 0.000005	0.000041
22: VIS-CV5-MS-198	4.80	0.0002	0.005	< 0.00009	0.0056	< 0.00004	1.34	0.00009	0.00939	0.0035	0.000008	0.000073
23: VIS-CV5-MS-199	4.82	0.0001	0.008	< 0.00009	0.0025	< 0.00004	1.50	0.00007	0.00781	0.0064	< 0.000005	0.000046
24: VIS-CV5-MS-200	6.14	0.0004	0.006	0.00020	0.0172	0.00010	2.00	0.00013	0.00833	0.0069	0.000010	0.000075
25: VIS-CV5-MS-201	4.43	0.0001	< 0.003	< 0.00009	0.0022	< 0.00004	1.15	< 0.00006	0.00950	0.0055	0.000005	0.000040
26: VIS-CV5-MS-202	4.86	0.0537	< 0.003	< 0.00009	< 0.0009	0.00020	1.08	< 0.00006	0.0137	< 0.0001	0.000020	0.000289
27: VIS-CV5-MS-203	4.90	0.0001	< 0.003	< 0.00009	0.0054	0.00038	1.33	< 0.00006	0.0112	0.0008	< 0.000005	0.000063
28: VIS-CV5-MS-204	5.69	0.0002	< 0.003	0.00015	0.119	0.00012	1.68	0.00007	0.0171	0.0066	0.000052	0.000085
29: VIS-CV5-MS-205	5.12	0.0038	< 0.003	0.00018	0.225	0.00005	1.78	0.00068	0.00224	0.0217	0.000500	0.000213
30: VIS-CV5-MS-206	5.26	0.0006	0.011	0.00010	0.0047	0.00018	1.88	< 0.00006	0.00443	0.0203	0.000012	0.000047
31: VIS-CV5-MS-207	5.01	0.0002	< 0.003	< 0.00009	0.0094	0.00005	1.40	< 0.00006	0.00905	0.0054	0.000030	0.000107
32: VIS-CV5-MS-208	5.28	0.0004	0.003	0.00019	0.0070	< 0.00004	2.37	0.00009	0.0109	0.0081	0.000017	0.000305
33: VIS-CV5-MS-209	5.25	0.0003	0.003	< 0.00009	0.0085	0.00010	1.98	< 0.00006	0.0115	0.0070	0.000008	0.000071
34: VIS-CV5-MS-210	4.41	0.0086	< 0.003	0.00307	0.873	0.00062	1.74	0.00053	0.00606	0.0084	0.000741	0.000089
35: VIS-CV5-MS-211	5.07	0.0022	0.009	0.00040	0.0728	0.00016	1.75	0.00013	0.00537	0.0246	0.000159	0.000423
36: VIS-CV5-MS-212	5.27	0.0005	0.005	0.00051	0.0538	0.00013	1.86	0.00030	0.00883	0.0115	0.000107	0.000399
37: VIS-CV5-MS-213	4.63	0.0001	< 0.003	< 0.00009	0.0017	< 0.00004	1.72	< 0.00006	0.0134	0.0086	0.000008	0.000044
38: VIS-CV5-MS-214	5.04	0.0002	< 0.003	0.00012	0.0031	< 0.00004	1.82	< 0.00006	0.00870	0.0075	0.000041	0.000123
39: VIS-CV5-MS-215	5.38	0.0005	0.017	0.00016	0.0083	0.00012	2.30	0.00008	0.0177	0.0115	0.000037	0.000030
40: VIS-CV5-MS-216	4.87	0.0003	< 0.003	< 0.00009	0.0080	0.00014	1.81	< 0.00006	0.0232	0.0015	0.000010	0.000017

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	Na mg/L	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L
41: VIS-CV5-MS-217	5.09	< 0.0001	0.013	0.00024	0.0023	0.00005	1.89	0.00039	0.00713	0.0125	0.000114	0.000176
42: VIS-CV5-MS-218	5.20	< 0.0001	0.012	0.00020	0.0030	< 0.00004	1.99	< 0.00006	0.00767	0.0194	0.000024	0.000258
43: VIS-CV5-MS-219	5.59	< 0.0001	< 0.003	< 0.00009	0.0107	< 0.00004	1.67	0.00024	0.0109	0.0063	0.000010	0.000193
44: VIS-CV5-MS-220	5.29	0.0002	< 0.003	0.00020	< 0.0009	< 0.00004	1.43	0.00007	0.00741	0.0132	0.000006	0.000208
45: VIS-CV5-MS-221	4.87	< 0.0001	< 0.003	< 0.00009	< 0.0009	0.00004	2.00	< 0.00006	0.00667	0.0027	< 0.000005	0.000035
46: VIS-CV5-MS-222	4.79	0.0002	0.003	< 0.00009	0.0017	< 0.00004	1.84	0.00007	0.00919	0.0055	0.000028	0.000055
47: VIS-CV5-MS-223	4.31	0.0012	< 0.003	< 0.00009	0.0152	0.00007	1.70	< 0.00006	0.00418	0.0127	0.000040	0.000029
48: VIS-CV5-MS-224	5.39	0.0005	< 0.003	0.00020	0.0209	0.00018	1.80	0.00009	0.00398	0.0130	0.000034	0.000108
49: VIS-CV5-MS-225	5.29	0.0004	< 0.003	< 0.00009	0.0040	< 0.00004	1.69	0.00023	0.00451	0.0079	0.000008	0.000106
50: VIS-CV5-MS-226	4.84	< 0.0001	< 0.003	< 0.00009	0.0027	0.00007	2.03	< 0.00006	0.0160	0.0005	< 0.000005	0.000056
51: VIS-CV5-MS-227	4.26	0.0007	< 0.003	< 0.00009	0.0025	< 0.00004	1.12	< 0.00006	0.00579	0.0002	0.000011	0.000017
52: VIS-CV5-MS-228	4.75	0.0007	< 0.003	0.00011	0.0069	< 0.00004	2.35	0.00011	0.00562	0.0069	0.000026	0.000029
53-DUP: VIS-CV5-MS-201	4.54	< 0.0001	< 0.003	< 0.00009	0.0025	< 0.00004	1.14	< 0.00006	0.0110	0.0048	< 0.000005	0.000039
54-DUP: VIS-CV5-MS-228	4.38	0.0008	< 0.003	< 0.00009	0.0078	< 0.00004	2.24	0.00009	0.00537	0.0079	0.000028	0.000013
55-BLK: $SPLP1312 Blank #1	< 0.01	< 0.0001	< 0.003	< 0.00009	< 0.0009	< 0.00004	< 0.02	< 0.00006	< 0.00008	< 0.0001	< 0.000005	< 0.000002

Sample ID	V mg/L	Zn mg/L	Au mg/L	Ce mg/L	Cs mg/L	Dy mg/L	Er mg/L	Eu mg/L	Ga mg/L	Gd (tot) mg/L	Ge mg/L	Hf mg/L
1: Analysis Start Date	19-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25
2: Analysis Start Time	17:18	17:18	17:18	12:04	17:18	12:04	12:04	12:04	12:04	12:04	17:18	17:18
3: Analysis Completed Date	21-Mar-25	21-Mar-25	21-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25
4: Analysis Completed Time	16:22	16:22	16:22	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27
5: VIS-CV5-AMP-181	0.00336	< 0.002	< 0.00001	0.00004	0.0017	< 0.00001	< 0.00001	< 0.00001	0.0006	< 0.00001	< 0.0001	< 0.0001
6: VIS-CV5-AMP-182	0.00359	< 0.002	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-MS-183	0.00308	< 0.002	< 0.00001	0.00013	0.0052	< 0.00001	< 0.00001	< 0.00001	0.0004	0.00001	< 0.0001	< 0.0001
8: VIS-CV5-MS-184	0.00171	< 0.002	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-MS-185	0.00202	< 0.002	---	---	---	---	---	---	---	---	---	---
10: VIS-CV5-MS-186	0.00188	< 0.002	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-MS-187	0.00075	< 0.002	< 0.00001	0.00006	0.0017	< 0.00001	< 0.00001	< 0.00001	0.0001	< 0.00001	< 0.0001	< 0.0001
12: VIS-CV5-MS-188	0.00178	< 0.002	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-MS-189	0.00198	< 0.002	---	---	---	---	---	---	---	---	---	---
14: VIS-CV5-MS-190	0.00355	< 0.002	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	V mg/L	Zn mg/L	Au mg/L	Ce mg/L	Cs mg/L	Dy mg/L	Er mg/L	Eu mg/L	Ga mg/L	Gd (tot) mg/L	Ge mg/L	Hf mg/L
15: VIS-CV5-MS-191	0.00048	< 0.002	< 0.00001	0.00004	0.0035	< 0.00001	< 0.00001	< 0.00001	0.0004	< 0.00001	< 0.0001	< 0.0001
16: VIS-CV5-MS-192	0.00281	< 0.002	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-MS-193	0.00204	< 0.002	---	---	---	---	---	---	---	---	---	---
18: VIS-CV5-MS-194	0.00120	< 0.002	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-MS-195	0.00055	< 0.002	< 0.00001	< 0.00001	0.0002	< 0.00001	< 0.00001	< 0.00001	0.0001	< 0.00001	< 0.0001	< 0.0001
20: VIS-CV5-MS-196	0.00049	< 0.002	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-MS-197	0.00053	< 0.002	---	---	---	---	---	---	---	---	---	---
22: VIS-CV5-MS-198	0.00110	< 0.002	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-MS-199	0.00147	< 0.002	< 0.00001	0.00019	0.0012	< 0.00001	< 0.00001	< 0.00001	0.0004	0.00002	< 0.0001	< 0.0001
24: VIS-CV5-MS-200	0.00281	< 0.002	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-MS-201	0.00045	< 0.002	---	---	---	---	---	---	---	---	---	---
26: VIS-CV5-MS-202	0.00005	0.015	---	---	---	---	---	---	---	---	---	---
27: VIS-CV5-MS-203	0.00016	< 0.002	< 0.00001	0.00009	0.0047	< 0.00001	< 0.00001	< 0.00001	0.0002	< 0.00001	< 0.0001	< 0.0001
28: VIS-CV5-MS-204	0.00256	< 0.002	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-MS-205	0.00116	< 0.002	---	---	---	---	---	---	---	---	---	---
30: VIS-CV5-MS-206	0.00210	< 0.002	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-MS-207	0.00094	< 0.002	< 0.00001	0.00026	0.0262	0.00001	< 0.00001	< 0.00001	0.0003	0.00002	< 0.0001	< 0.0001
32: VIS-CV5-MS-208	0.00144	< 0.002	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-MS-209	0.00403	< 0.002	---	---	---	---	---	---	---	---	---	---
34: VIS-CV5-MS-210	0.00048	0.004	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-MS-211	0.00155	0.002	< 0.00001	0.00104	0.0690	0.00005	0.00002	0.00001	0.0004	0.00009	< 0.0001	< 0.0001
36: VIS-CV5-MS-212	0.00158	< 0.002	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-MS-213	0.00156	< 0.002	---	---	---	---	---	---	---	---	---	---
38: VIS-CV5-MS-214	0.00038	< 0.002	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-MS-215	0.00251	< 0.002	< 0.00001	0.00027	0.0613	0.00001	< 0.00001	< 0.00001	0.0003	0.00003	< 0.0001	< 0.0001
40: VIS-CV5-MS-216	0.00254	< 0.002	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-MS-217	0.00084	< 0.002	---	---	---	---	---	---	---	---	---	---
42: VIS-CV5-MS-218	0.00076	< 0.002	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-MS-219	0.00272	< 0.002	< 0.00001	0.00008	0.0127	0.00001	< 0.00001	< 0.00001	0.0004	0.00001	< 0.0001	< 0.0001
44: VIS-CV5-MS-220	0.00080	< 0.002	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-MS-221	0.00099	< 0.002	---	---	---	---	---	---	---	---	---	---
46: VIS-CV5-MS-222	0.00159	< 0.002	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-MS-223	0.00150	< 0.002	< 0.00001	0.00015	0.0309	0.00001	< 0.00001	< 0.00001	0.0005	0.00002	< 0.0001	< 0.0001

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	V mg/L	Zn mg/L	Au mg/L	Ce mg/L	Cs mg/L	Dy mg/L	Er mg/L	Eu mg/L	Ga mg/L	Gd (tot) mg/L	Ge mg/L	Hf mg/L
48: VIS-CV5-MS-224	0.00077	0.003	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-MS-225	0.00169	< 0.002	---	---	---	---	---	---	---	---	---	---
50: VIS-CV5-MS-226	0.00318	< 0.002	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-MS-227	0.00009	< 0.002	< 0.00001	< 0.00001	0.0111	< 0.00001	< 0.00001	< 0.00001	< 0.0001	< 0.00001	< 0.0001	< 0.0001
52: VIS-CV5-MS-228	0.00328	< 0.002	---	---	---	---	---	---	---	---	---	---
53-DUP: VIS-CV5-MS-201	0.00037	< 0.002	< 0.00001	0.00029	0.0019	0.00001	< 0.00001	< 0.00001	0.0002	0.00002	< 0.0001	< 0.0001
54-DUP: VIS-CV5-MS-228	0.00311	< 0.002	< 0.00001	0.00004	0.0458	< 0.00001	< 0.00001	< 0.00001	0.0004	< 0.00001	< 0.0001	< 0.0001
55-BLK: $SPLP1312 Blank #1	< 0.00001	< 0.002	< 0.00001	< 0.00001	< 0.0001	< 0.00001	< 0.00001	< 0.00001	< 0.0001	< 0.00001	< 0.0001	< 0.0001

Sample ID	Ho mg/L	In mg/L	Ir mg/L	La mg/L	Lu mg/L	Nb mg/L	Nd mg/L	Os mg/L	Pd mg/L	Pr mg/L	Pt mg/L	Rh mg/L
1: Analysis Start Date	20-Mar-25	20-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25	19-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25
2: Analysis Start Time	12:04	12:04	17:18	12:04	12:04	17:18	12:04	17:18	17:18	12:04	17:18	17:18
3: Analysis Completed Date	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25
4: Analysis Completed Time	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27
5: VIS-CV5-AMP-181	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001
6: VIS-CV5-AMP-182	---	---	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-MS-183	< 0.00001	< 0.00001	< 0.00001	0.00007	< 0.0001	< 0.0001	0.00006	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.00001
8: VIS-CV5-MS-184	---	---	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-MS-185	---	---	---	---	---	---	---	---	---	---	---	---
10: VIS-CV5-MS-186	---	---	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-MS-187	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001
12: VIS-CV5-MS-188	---	---	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-MS-189	---	---	---	---	---	---	---	---	---	---	---	---
14: VIS-CV5-MS-190	---	---	---	---	---	---	---	---	---	---	---	---
15: VIS-CV5-MS-191	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001
16: VIS-CV5-MS-192	---	---	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-MS-193	---	---	---	---	---	---	---	---	---	---	---	---
18: VIS-CV5-MS-194	---	---	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-MS-195	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001
20: VIS-CV5-MS-196	---	---	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-MS-197	---	---	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0) 20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Sample ID	Ho mg/L	In mg/L	Ir mg/L	La mg/L	Lu mg/L	Nb mg/L	Nd mg/L	Os mg/L	Pd mg/L	Pr mg/L	Pt mg/L	Rh mg/L
22: VIS-CV5-MS-198	---	---	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-MS-199	< 0.00001	< 0.00001	< 0.00001	0.00009	< 0.0001	< 0.0001	0.00008	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.00001
24: VIS-CV5-MS-200	---	---	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-MS-201	---	---	---	---	---	---	---	---	---	---	---	---
26: VIS-CV5-MS-202	---	---	---	---	---	---	---	---	---	---	---	---
27: VIS-CV5-MS-203	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.00001
28: VIS-CV5-MS-204	---	---	---	---	---	---	---	---	---	---	---	---
29: VIS-CV5-MS-205	---	---	---	---	---	---	---	---	---	---	---	---
30: VIS-CV5-MS-206	---	---	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-MS-207	< 0.00001	< 0.00001	< 0.00001	0.00012	< 0.0001	< 0.0001	0.00011	< 0.0001	< 0.0001	0.00003	< 0.0001	< 0.00001
32: VIS-CV5-MS-208	---	---	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-MS-209	---	---	---	---	---	---	---	---	---	---	---	---
34: VIS-CV5-MS-210	---	---	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-MS-211	< 0.00001	< 0.00001	< 0.00001	0.00054	< 0.0001	0.0001	0.00043	< 0.0001	< 0.0001	0.00013	< 0.0001	< 0.00001
36: VIS-CV5-MS-212	---	---	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-MS-213	---	---	---	---	---	---	---	---	---	---	---	---
38: VIS-CV5-MS-214	---	---	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-MS-215	< 0.00001	< 0.00001	< 0.00001	0.00013	< 0.0001	< 0.0001	0.00014	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.00001
40: VIS-CV5-MS-216	---	---	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-MS-217	---	---	---	---	---	---	---	---	---	---	---	---
42: VIS-CV5-MS-218	---	---	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-MS-219	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.0001	0.00001	< 0.0001	< 0.00001
44: VIS-CV5-MS-220	---	---	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-MS-221	---	---	---	---	---	---	---	---	---	---	---	---
46: VIS-CV5-MS-222	---	---	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-MS-223	< 0.00001	< 0.00001	< 0.00001	0.00010	< 0.0001	< 0.0001	0.00008	< 0.0001	< 0.0001	0.00003	< 0.0001	< 0.00001
48: VIS-CV5-MS-224	---	---	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-MS-225	---	---	---	---	---	---	---	---	---	---	---	---
50: VIS-CV5-MS-226	---	---	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-MS-227	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001
52: VIS-CV5-MS-228	---	---	---	---	---	---	---	---	---	---	---	---
53-DUP: VIS-CV5-MS-201	< 0.00001	< 0.00001	< 0.00001	0.00014	< 0.0001	< 0.0001	0.00014	< 0.0001	< 0.0001	0.00004	< 0.0001	< 0.00001
54-DUP: VIS-CV5-MS-228	< 0.00001	< 0.00001	< 0.00001	0.00002	< 0.0001	< 0.0001	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Ho mg/L	In mg/L	Ir mg/L	La mg/L	Lu mg/L	Nb mg/L	Nd mg/L	Os mg/L	Pd mg/L	Pr mg/L	Pt mg/L	Rh mg/L
55-BLK: $SPLP1312 Blank #1	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.00001

Sample ID	Rb mg/L	Re mg/L	Ru mg/L	Sm mg/L	Sc mg/L	Ta mg/L	Tb mg/L	Te mg/L	Th mg/L	Tm mg/L
1: Analysis Start Date	19-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25	19-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25
2: Analysis Start Time	17:18	17:18	17:18	12:04	12:04	17:18	12:04	17:18	17:18	12:04
3: Analysis Completed Date	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25	24-Mar-25
4: Analysis Completed Time	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27	10:27
5: VIS-CV5-AMP-181	0.0021	< 0.0001	< 0.00001	< 0.00001	0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
6: VIS-CV5-AMP-182	---	---	---	---	---	---	---	---	---	---
7: VIS-CV5-MS-183	0.0075	< 0.0001	< 0.00001	0.00002	0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
8: VIS-CV5-MS-184	---	---	---	---	---	---	---	---	---	---
9: VIS-CV5-MS-185	---	---	---	---	---	---	---	---	---	---
10: VIS-CV5-MS-186	---	---	---	---	---	---	---	---	---	---
11: VIS-CV5-MS-187	0.0024	< 0.0001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
12: VIS-CV5-MS-188	---	---	---	---	---	---	---	---	---	---
13: VIS-CV5-MS-189	---	---	---	---	---	---	---	---	---	---
14: VIS-CV5-MS-190	---	---	---	---	---	---	---	---	---	---
15: VIS-CV5-MS-191	0.0043	< 0.0001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
16: VIS-CV5-MS-192	---	---	---	---	---	---	---	---	---	---
17: VIS-CV5-MS-193	---	---	---	---	---	---	---	---	---	---
18: VIS-CV5-MS-194	---	---	---	---	---	---	---	---	---	---
19: VIS-CV5-MS-195	0.0003	< 0.0001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
20: VIS-CV5-MS-196	---	---	---	---	---	---	---	---	---	---
21: VIS-CV5-MS-197	---	---	---	---	---	---	---	---	---	---
22: VIS-CV5-MS-198	---	---	---	---	---	---	---	---	---	---
23: VIS-CV5-MS-199	0.0033	< 0.0001	< 0.00001	0.00002	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
24: VIS-CV5-MS-200	---	---	---	---	---	---	---	---	---	---
25: VIS-CV5-MS-201	---	---	---	---	---	---	---	---	---	---
26: VIS-CV5-MS-202	---	---	---	---	---	---	---	---	---	---
27: VIS-CV5-MS-203	0.0063	< 0.0001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
28: VIS-CV5-MS-204	---	---	---	---	---	---	---	---	---	---

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Sample ID	Rb mg/L	Re mg/L	Ru mg/L	Sm mg/L	Sc mg/L	Ta mg/L	Tb mg/L	Te mg/L	Th mg/L	Tm mg/L
29: VIS-CV5-MS-205	---	---	---	---	---	---	---	---	---	---
30: VIS-CV5-MS-206	---	---	---	---	---	---	---	---	---	---
31: VIS-CV5-MS-207	0.0321	< 0.0001	< 0.00001	0.00003	0.0001	< 0.0001	< 0.00001	< 0.0001	0.0002	< 0.00001
32: VIS-CV5-MS-208	---	---	---	---	---	---	---	---	---	---
33: VIS-CV5-MS-209	---	---	---	---	---	---	---	---	---	---
34: VIS-CV5-MS-210	---	---	---	---	---	---	---	---	---	---
35: VIS-CV5-MS-211	0.0897	< 0.0001	< 0.00001	0.00010	0.0002	< 0.0001	0.00001	< 0.0001	0.0003	< 0.00001
36: VIS-CV5-MS-212	---	---	---	---	---	---	---	---	---	---
37: VIS-CV5-MS-213	---	---	---	---	---	---	---	---	---	---
38: VIS-CV5-MS-214	---	---	---	---	---	---	---	---	---	---
39: VIS-CV5-MS-215	0.0313	< 0.0001	< 0.00001	0.00002	0.0002	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
40: VIS-CV5-MS-216	---	---	---	---	---	---	---	---	---	---
41: VIS-CV5-MS-217	---	---	---	---	---	---	---	---	---	---
42: VIS-CV5-MS-218	---	---	---	---	---	---	---	---	---	---
43: VIS-CV5-MS-219	0.0147	< 0.0001	< 0.00001	< 0.00001	0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
44: VIS-CV5-MS-220	---	---	---	---	---	---	---	---	---	---
45: VIS-CV5-MS-221	---	---	---	---	---	---	---	---	---	---
46: VIS-CV5-MS-222	---	---	---	---	---	---	---	---	---	---
47: VIS-CV5-MS-223	0.0308	< 0.0001	< 0.00001	0.00002	0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
48: VIS-CV5-MS-224	---	---	---	---	---	---	---	---	---	---
49: VIS-CV5-MS-225	---	---	---	---	---	---	---	---	---	---
50: VIS-CV5-MS-226	---	---	---	---	---	---	---	---	---	---
51: VIS-CV5-MS-227	0.0254	< 0.0001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
52: VIS-CV5-MS-228	---	---	---	---	---	---	---	---	---	---
53-DUP: VIS-CV5-MS-201	0.0079	< 0.0001	< 0.00001	0.00003	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
54-DUP: VIS-CV5-MS-228	0.0367	< 0.0001	< 0.00001	< 0.00001	0.0002	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001
55-BLK: $SPLP1312 Blank #1	< 0.0001	< 0.0001	< 0.00001	< 0.00001	< 0.0001	< 0.0001	< 0.00001	< 0.0001	< 0.0001	< 0.00001

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	#1 or #2	NA	N	N
	g	NA	N	N

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

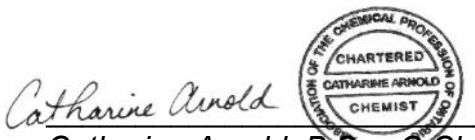
SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Parameter	Units	SGS Method Code	CALA	PALA
	mL	NA	N	N
Acidity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Alkalinity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	Y
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Fluoride by Specific Ion Electrode	mg/L	ME-CA-[ENV]EWL-LAK-AN-014	Y	Y
Inorganics-General	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	N
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	Y
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Reactive Phosphorus by SFA	mg/L	ME-CA-[ENV]SFA-LAK-AN-004	Y	N

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Acidity - QCBatchID: EWL0353-MAR25													
Acidity	2	mg/L as Ca	2			ND	20	104	90	110	NA		
Acidity - QCBatchID: EWL0354-MAR25													
Acidity	2	mg/L as Ca	< 2			ND	20	102	90	110	NA		
Acidity - QCBatchID: EWL0382-MAR25													
Acidity	2	mg/L as Ca	< 2			ND	20	98	90	110	NA		
Acidity - QCBatchID: EWL0386-MAR25													
Acidity	2	mg/L as Ca	< 2			ND	20	100	90	110	NA		
Alkalinity - QCBatchID: EWL0353-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	96	80	120	NA		
Alkalinity - QCBatchID: EWL0354-MAR25													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Alkalinity - QCBatchID: EWL0382-MAR25													
Alkalinity	2	mg/L as Ca	< 2			4	20	109	80	120	NA		
Alkalinity - QCBatchID: EWL0386-MAR25													
Alkalinity	2	mg/L as Ca	< 2			4	20	100	80	120	NA		
Anions by IC - QCBatchID: DIO0373-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	100	90	110	97	75	125
Chloride	0.2	mg/L	<0.2			0	20	100	90	110	105	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	101	90	110	102	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	97	90	110	100	75	125
Sulphate	0.2	mg/L	<0.2			8	20	99	90	110	98	75	125
Anions by IC - QCBatchID: DIO0375-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	100	90	110	94	75	125
Chloride	0.2	mg/L	<0.2			40	20	101	90	110	103	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	101	90	110	101	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	97	90	110	100	75	125
Sulphate	0.2	mg/L	<0.2			1	20	100	90	110	96	75	125
Anions by IC - QCBatchID: DIO0410-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	101	90	110	100	75	125
Chloride	0.2	mg/L	<0.2			ND	20	101	90	110	120	75	125
Nitrate (as N)	0.06	mg/L	<0.06			11	20	101	90	110	104	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	99	90	110	103	75	125
Sulphate	0.2	mg/L	<0.2			ND	20	101	90	110	100	75	125
Anions by IC - QCBatchID: DIO0411-MAR25													
Bromide	0.3	mg/L	<0.3			ND	20	100	90	110	97	75	125

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0)
20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Chloride	0.2	mg/L	<0.2			ND	20	99	90	110	103	75	125
Nitrate (as N)	0.06	mg/L	<0.06			ND	20	98	90	110	100	75	125
Nitrite (as N)	0.03	mg/L	<0.03			ND	20	98	90	110	101	75	125
Sulphate	0.2	mg/L	<0.2			4	20	99	90	110	98	75	125
Conductivity - QCBatchID: EWL0353-MAR25													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0354-MAR25													
Conductivity	2	uS/cm	< 2			0	20	97	90	110	NA		
Conductivity - QCBatchID: EWL0382-MAR25													
Conductivity	2	uS/cm	< 2			0	20	97	90	110	NA		
Conductivity - QCBatchID: EWL0386-MAR25													
Conductivity	2	uS/cm	2			0	20	103	90	110	NA		
Fluoride by Specific Ion Electrode - QCBatchID: EWL0343-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	100	90	110	101	75	125
Fluoride by Specific Ion Electrode - QCBatchID: EWL0371-MAR25													
Fluoride	0.06	mg/L	<0.06			ND	10	98	90	110	105	75	125
Inorganics-General - QCBatchID: EHG0035-MAR25													
Mercury	0.00001	mg/L	< 0.00001			10	20	100	80	120	125	70	130
Inorganics-General - QCBatchID: EHG0037-MAR25													
Mercury	0.00001	mg/L	< 0.00001			ND	20	113	80	120	115	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0149-MAR25													
Aluminum	0.001	mg/L	<0.001			5	20	100	90	110	118	70	130
Antimony	0.0009	mg/L	<0.0009			2	20	107	90	110	118	70	130
Arsenic	0.0002	mg/L	<0.0002			0	20	99	90	110	105	70	130
Barium	0.00008	mg/L	<0.00008			19	20	97	90	110	96	70	130
Beryllium	0.000007	mg/L	<0.000007			11	20	97	90	110	105	70	130
Bismuth	0.00001	mg/L	<0.00001			1	20	92	90	110	90	70	130
Boron	0.002	mg/L	<0.002			2	20	100	90	110	102	70	130
Cadmium	0.000003	mg/L	<0.000003			0	20	100	90	110	108	70	130
Calcium	0.01	mg/L	<0.01			0	20	104	90	110	95	70	130
Cesium	0.0001	mg/L	<0.0001			0	20	102	90	110	NV	70	130
Chromium	0.00008	mg/L	<0.00008			1	20	95	90	110	89	70	130
Cobalt	0.000004	mg/L	<0.000004			4	20	98	90	110	92	70	130
Copper	0.001	mg/L	<0.001			18	20	98	90	110	102	70	130
Germanium	0.0001	mg/L	<0.0001			3	20	106	90	110	NV	70	130
Gold	0.00001	mg/L	<0.00001			18	20	103	90	110	NV	70	130
Hafnium	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Iridium	0.00001	mg/L	<0.00001			ND	20	108	90	110	NV	70	130
Iron	0.007	mg/L	<0.007			1	20	106	90	110	100	70	130

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004055200

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Lead	0.00009	mg/L	<0.00009			1	20	94	90	110	128	70	130
Lithium	0.0001	mg/L	<0.0001			4	20	100	90	110	102	70	130
Magnesium	0.001	mg/L	<0.001			5	20	107	90	110	81	70	130
Manganese	0.00001	mg/L	<0.00001			0	20	100	90	110	107	70	130
Molybdenum	0.0004	mg/L	<0.0004			2	20	105	90	110	93	70	130
Nickel	0.0001	mg/L	<0.0001			4	20	98	90	110	91	70	130
Niobium	0.0001	mg/L	<0.0001			5	20	102	90	110	NV	70	130
Osmium	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Palladium	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Phosphorus	0.003	mg/L	<0.003			4	20	102	90	110	NV	70	130
Platinum	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Potassium	0.009	mg/L	<0.009			1	20	105	90	110	101	70	130
Rhenium	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Rhodium	0.00001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Rubidium	0.0001	mg/L	Error!			1	20	95	90	110	NV	70	130
Ruthenium	0.00001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Selenium	0.00004	mg/L	<0.00004			4	20	100	90	110	104	70	130
Silicon	0.02	mg/L	<0.02			1	20	100	90	110	NV	70	130
Silver	0.00005	mg/L	<0.00005			ND	20	95	90	110	81	70	130
Sodium	0.01	mg/L	<0.01			1	20	100	90	110	95	70	130
Strontium	0.00008	mg/L	<0.00008			2	20	100	90	110	91	70	130
Tantalum	0.0001	mg/L	<0.0001			1	20	102	90	110	NV	70	130
Tellurium	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Thallium	0.000005	mg/L	<0.000005			1	20	97	90	110	110	70	130
Thorium	0.0001	mg/L	<0.0001			1	20	97	90	110	NV	70	130
Tin	0.00006	mg/L	<0.00006			1	20	103	90	110	NV	70	130
Titanium	0.0001	mg/L	<0.0001			6	20	106	90	110	NV	70	130
Uranium	0.000002	mg/L	<0.000002			1	20	98	90	110	99	70	130
Vanadium	0.00001	mg/L	<0.00001			1	20	99	90	110	101	70	130
Zinc	0.002	mg/L	<0.002			6	20	100	90	110	102	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0167-MAR25													
Aluminum	0.001	mg/L	<0.001			1	20	101	90	110	117	70	130
Antimony	0.0009	mg/L	<0.0009			6	20	105	90	110	96	70	130
Arsenic	0.0002	mg/L	<0.0002			0	20	106	90	110	107	70	130
Barium	0.00008	mg/L	<0.00008			4	20	98	90	110	105	70	130
Beryllium	0.000007	mg/L	7e-006			ND	20	95	90	110	93	70	130
Bismuth	0.00001	mg/L	<0.00001			ND	20	92	90	110	99	70	130
Boron	0.002	mg/L	<0.002			ND	20	104	90	110	104	70	130
Cadmium	0.000003	mg/L	<0.000003			ND	20	99	90	110	93	70	130

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0)
20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Calcium	0.01	mg/L	<0.01			1	20	96	90	110	101	70	130	
Chromium	0.00008	mg/L	<0.00008			11	20	100	90	110	88	70	130	
Cobalt	0.000004	mg/L	<0.000004			10	20	97	90	110	92	70	130	
Copper	0.001	mg/L	<0.001			ND	20	103	90	110	102	70	130	
Germanium	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130	
Gold	0.00001	mg/L	<0.00001			1	20	99	90	110	NV	70	130	
Hafnium	0.0001	mg/L	<0.0001			ND	20	90	90	110	NV	70	130	
Iridium	0.00001	mg/L	<0.00001			ND	20	98	90	110	NV	70	130	
Iron	0.007	mg/L	<0.007			9	20	100	90	110	100	70	130	
Lead	0.00009	mg/L	<0.00009			ND	20	99	90	110	103	70	130	
Lithium	0.0001	mg/L	<0.0001			5	20	94	90	110	91	70	130	
Magnesium	0.001	mg/L	<0.001			2	20	106	90	110	79	70	130	
Manganese	0.00001	mg/L	<0.00001			1	20	97	90	110	99	70	130	
Molybdenum	0.0004	mg/L	<0.0004			2	20	103	90	110	100	70	130	
Nickel	0.0001	mg/L	<0.0001			8	20	101	90	110	96	70	130	
Niobium	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130	
Osmium	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130	
Palladium	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130	
Phosphorus	0.003	mg/L	0.003			ND	20	94	90	110	NV	70	130	
Platinum	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130	
Potassium	0.009	mg/L	<0.009			1	20	96	90	110	86	70	130	
Rhenium	0.0001	mg/L	<0.0001			ND	20	91	90	110	NV	70	130	
Rhodium	0.00001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130	
Ruthenium	0.00001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130	
Selenium	0.00004	mg/L	<0.00004			8	20	100	90	110	105	70	130	
Silicon	0.02	mg/L	<0.02			4	20	93	90	110	NV	70	130	
Silver	0.00005	mg/L	<0.00005			ND	20	100	90	110	83	70	130	
Sodium	0.01	mg/L	<0.01			6	20	101	90	110	70	70	130	
Strontium	0.00008	mg/L	<0.00008			2	20	94	90	110	97	70	130	
Tantalum	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130	
Tellurium	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130	
Thallium	0.000005	mg/L	<0.000005			ND	20	99	90	110	99	70	130	
Tin	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130	
Titanium	0.0001	mg/L	<0.0001			ND	20	94	90	110	NV	70	130	
Uranium	0.000002	mg/L	<0.000002			0	20	104	90	110	106	70	130	
Vanadium	0.00001	mg/L	<0.00001			0	20	99	90	110	96	70	130	
Zinc	0.002	mg/L	<0.002			ND	20	100	90	110	104	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0177-MAR25														
Cerium	0.00001	mg/L	<0.00001			ND	20	95	90	110	NV	70	130	

OnLine LIMS

0004055200

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified Version - MA. 100 -Lix.com.1.0)
20:1 L/S ratio, 18hr

LR Report : **CA11019-FEB25**

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Cesium	0.0001	mg/L	<0.0001			1	20	99	90	110	NV	70	130
Dysprosium	0.00001	mg/L	<0.00001			ND	20	97	90	110	NV	70	130
Erbium	0.00001	mg/L	<0.00001			ND	20	96	90	110	NV	70	130
Europium	0.00001	mg/L	<0.00001			ND	20	95	90	110	NV	70	130
Gadolinium	0.00001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130
Gallium	0.0001	mg/L	<0.0001			2	20	102	90	110	NV	70	130
Holmium	0.00001	mg/L	<0.00001			ND	20	97	90	110	NV	70	130
Indium	0.00001	mg/L	<0.00001			5	20	100	90	110	NV	70	130
Lanthanum	0.00001	mg/L	<0.00001			ND	20	95	90	110	NV	70	130
Lutetium	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130
Neodymium	0.00001	mg/L	<0.00001			ND	20	98	90	110	NV	70	130
Praseodymium	0.00001	mg/L	<0.00001			ND	20	91	90	110	NV	70	130
Rubidium	0.0001	mg/L	<0.0001			2	20	106	90	110	NV	70	130
Samarium	0.00001	mg/L	<0.00001			ND	20	98	90	110	NV	70	130
Terbium	0.00001	mg/L	<0.00001			ND	20	91	90	110	NV	70	130
Thorium	0.0001	mg/L	0.0001			ND	20	107	90	110	NV	70	130
Thulium	0.00001	mg/L	<0.00001			ND	20	94	90	110	NV	70	130
Uranium	0.000002	mg/L	<0.000002			2	20	92	90	110	NV	70	130
pH - QCBatchID: EWL0353-MAR25													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0354-MAR25													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0382-MAR25													
pH	0.05	No unit	NA			1		100			NA		
pH - QCBatchID: EWL0386-MAR25													
pH	0.05	No unit	NA			0		101			NA		
Reactive Phosphorus by SFA - QCBatchID: SKA0177-MAR25													
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			ND	10	98	90	110	89	75	125
Reactive Phosphorus by SFA - QCBatchID: SKA0187-MAR25													
Total Reactive Phosphorous (o-phosphate as P)	0.03	mg/L	<0.03			2	10	100	90	110	105	75	125

OnLine LTMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0004055200

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

16-April-2025

Innova Lithium Inc.
Attn : John Drapack

1801 McGill College Avenue, Suite 900,
Montreal, Quebec
H3A 1Z4, Canada

Phone: 647-782-7386
Fax:

Date Rec. : 05 February 2025
LR Report: **CA11020-FEB25**
Reference: Shaakichiuwaanaan Project

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-18 1	6: VIS-CV5-AMP-18 2	7: VIS-CV5-MS-183	8: VIS-CV5-MS-184	9: VIS-CV5-MS-185	10: VIS-CV5-MS-186
Sample Date & Time					NA	NA	NA	NA	NA	NA
Sample weight [g]	13-Mar-25	06:28	24-Mar-25	10:02	100	100	99	101	100	100
Volume D.I. Water [mL]	13-Mar-25	07:07	24-Mar-25	10:02	400	400	400	400	400	400
pH [No unit]	21-Mar-25	12:51	28-Mar-25	11:17	8.64	9.15	9.09	9.05	8.26	8.53
Conductivity [uS/cm]	21-Mar-25	12:51	28-Mar-25	11:17	178	146	204	445	298	253
Alkalinity [mg/L as CaCO3]	21-Mar-25	12:51	28-Mar-25	11:17	64	63	84	110	67	73
Acidity [mg/L as CaCO3]	21-Mar-25	12:51	28-Mar-25	11:17	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	21-Mar-25	08:47	25-Mar-25	13:56	1.45	0.57	2.05	1.44	1.49	1.40
Br [mg/L]	21-Mar-25	07:08	25-Mar-25	09:43	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	21-Mar-25	07:08	25-Mar-25	09:43	< 20	< 20	< 20	31	< 20	< 20
SO4 [mg/L]	21-Mar-25	07:08	25-Mar-25	09:43	< 20	< 20	< 20	38	43	27
NO2 [as N mg/L]	21-Mar-25	07:08	25-Mar-25	09:43	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	21-Mar-25	07:08	25-Mar-25	09:43	< 6	< 6	< 6	< 6	< 6	< 6
\] [mg/L]	25-Mar-25	10:46	26-Mar-25	08:48	< 0.03	0.13	0.08	0.05	< 0.03	< 0.03
Hg [mg/L]	24-Mar-25	15:54	27-Mar-25	13:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	25-Mar-25	18:27	26-Mar-25	12:03	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00010	< 0.00005
Al [mg/L]	25-Mar-25	18:27	26-Mar-25	12:03	0.530	1.74	2.11	1.79	0.550	1.66
As [mg/L]	25-Mar-25	18:27	26-Mar-25	12:03	0.0480	0.270	0.105	0.0720	0.0075	0.0210

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-181	6: VIS-CV5-AMP-182	7: VIS-CV5-MS-183	8: VIS-CV5-MS-184	9: VIS-CV5-MS-185	10: VIS-CV5-MS-186
Ba [mg/L]	25-Mar-25	18:27	26-Mar-25	12:03	0.00157	0.00284	0.0118	0.00748	0.00344	0.00629
Be [mg/L]	25-Mar-25	18:27	26-Mar-25	12:03	0.000010	0.000023	0.000018	< 0.000007	0.000015	0.000022
B [mg/L]	25-Mar-25	18:27	26-Mar-25	12:05	0.108	0.209	0.120	0.085	0.130	0.151
Bi [mg/L]	25-Mar-25	18:27	26-Mar-25	12:05	0.00002	0.00003	0.00002	< 0.00001	< 0.00001	0.00002
Ca [mg/L]	25-Mar-25	18:27	26-Mar-25	12:05	5.17	7.10	1.55	2.77	5.82	4.54
Cd [mg/L]	25-Mar-25	18:27	26-Mar-25	12:05	0.000003	0.000010	0.000014	0.000003	0.000005	0.000010
Co [mg/L]	25-Mar-25	18:27	26-Mar-25	12:05	0.000271	0.00189	0.000998	0.000066	0.000120	0.000277
Cr [mg/L]	25-Mar-25	18:27	26-Mar-25	12:05	0.00347	0.0113	0.00562	0.00020	0.00217	0.00290
Cu [mg/L]	25-Mar-25	18:27	26-Mar-25	12:07	< 0.001	0.011	0.001	< 0.001	< 0.001	0.001
Fe [mg/L]	25-Mar-25	18:27	26-Mar-25	12:07	0.361	1.80	1.09	0.313	0.317	1.04
K [mg/L]	25-Mar-25	18:27	26-Mar-25	12:07	5.74	3.26	20.0	65.0	18.8	19.8
Li [mg/L]	25-Mar-25	18:27	26-Mar-25	12:07	1.66	1.43	2.49	2.69	1.61	1.96
Mg [mg/L]	25-Mar-25	18:27	26-Mar-25	12:07	3.59	3.85	1.21	1.23	4.18	2.27
Mn [mg/L]	25-Mar-25	18:27	26-Mar-25	12:07	0.00697	0.0274	0.0221	0.00525	0.00642	0.0226
Mo [mg/L]	25-Mar-25	18:27	26-Mar-25	12:07	0.0085	0.0014	0.0046	0.0031	0.0069	0.0061
Na [mg/L]	25-Mar-25	18:27	26-Mar-25	12:12	17.4	15.6	20.2	31.8	29.9	26.3
Ni [mg/L]	25-Mar-25	18:27	26-Mar-25	12:12	0.0006	0.0038	0.0016	< 0.0001	0.0003	0.0005
P [mg/L]	25-Mar-25	18:27	26-Mar-25	12:12	0.009	0.076	0.050	0.046	0.021	0.032
Pb [mg/L]	25-Mar-25	18:27	26-Mar-25	12:12	< 0.00009	< 0.00009	0.00046	< 0.00009	0.00023	0.00066
Sb [mg/L]	25-Mar-25	18:27	26-Mar-25	12:12	0.0434	0.0429	0.134	0.0037	0.0235	0.0248
Se [mg/L]	25-Mar-25	18:27	26-Mar-25	12:12	0.00015	0.00024	0.00008	0.00006	0.00049	0.00041
Si [mg/L]	25-Mar-25	18:27	26-Mar-25	12:13	2.64	8.29	4.19	2.04	2.45	3.47
Sn [mg/L]	25-Mar-25	18:27	26-Mar-25	12:13	0.00028	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	25-Mar-25	18:27	26-Mar-25	12:13	0.00859	0.0125	0.00453	0.00793	0.0124	0.0101
Ti [mg/L]	25-Mar-25	18:27	30-Mar-25	13:24	0.0085	0.0620	0.0715	0.0200	0.0147	0.0896
Tl [mg/L]	25-Mar-25	18:27	30-Mar-25	13:24	0.000008	0.000031	0.000084	0.000011	0.000018	0.000026
U [mg/L]	25-Mar-25	18:27	30-Mar-25	13:24	0.000202	0.000321	0.000856	0.000506	0.000298	0.00125
V [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	0.0198	0.0967	0.0821	0.0299	0.0170	0.0248
Zn [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.002	0.003	0.006	< 0.002	< 0.002	0.002
Au [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.00001	---	< 0.00001	---	---	---
Ce [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.00015	---	0.00328	---	---	---
Cs [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	0.0187	---	0.0686	---	---	---
Dy [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.00001	---	0.00013	---	---	---

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: VIS-CV5-AMP-18 1	6: VIS-CV5-AMP-18 2	7: VIS-CV5-MS-183	8: VIS-CV5-MS-184	9: VIS-CV5-MS-185	10: VIS-CV5-MS-186
Er [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	< 0.00001	---	0.00006	---	---	---
Eu [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	< 0.00001	---	0.00004	---	---	---
Ga [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.0042	---	0.0146	---	---	---
Gd (tot) [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.00001	---	0.00023	---	---	---
Ge [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	0.0001	---	---	---
Hf [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	0.0002	---	---	---
Ho [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	< 0.00001	---	0.00002	---	---	---
In [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	< 0.00001	---	< 0.00001	---	---	---
Ir [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.00001	---	< 0.00001	---	---	---
La [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.00007	---	0.00160	---	---	---
Lu [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	< 0.0001	---	< 0.0001	---	---	---
Nb [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	< 0.0001	---	---	---
Nd [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.00007	---	0.00148	---	---	---
Os [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	< 0.0001	---	---	---
Pd [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	< 0.0001	---	---	---
Pr [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.00002	---	0.00039	---	---	---
Pt [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	< 0.0001	---	---	---
Rh [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.00001	---	< 0.00001	---	---	---
Rb [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	0.0403	---	0.133	---	---	---
Re [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	< 0.0001	---	---	---
Ru [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.00001	---	< 0.00001	---	---	---
Sm [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.00001	---	0.00023	---	---	---
Sc [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	0.0002	---	0.0011	---	---	---
Ta [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	< 0.0001	---	---	---
Tb [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	< 0.00001	---	0.00003	---	---	---
Te [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	< 0.0001	---	---	---
Th [mg/L]	25-Mar-25	18:27	30-Mar-25	13:23	< 0.0001	---	0.0004	---	---	---
Tm [mg/L]	29-Mar-25	12:06	31-Mar-25	17:48	< 0.00001	---	< 0.00001	---	---	---

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	11: VIS-CV5-MS-187	12: VIS-CV5-MS-188	13: VIS-CV5-MS-189	14: VIS-CV5-MS-190	15: VIS-CV5-MS-191	16: VIS-CV5-MS-192	17: VIS-CV5-MS-193	18: VIS-CV5-MS-194	19: VIS-CV5-MS-195	20: VIS-CV5-MS-196
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	101	100	99	100	100	100	100	99	101	101
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.31	9.29	8.90	9.20	8.40	9.01	8.83	8.41	8.29	8.13
Conductivity [uS/cm]	219	277	240	181	194	173	194	175	626	539
Alkalinity [mg/L as CaCO3]	56	122	106	84	64	77	79	76	104	96
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	0.24	8.78	2.70	0.69	0.69	0.66	4.51	1.02	< 0.06	< 0.06
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	24	< 20	< 20	< 20	< 20	< 20	< 20	< 20	110	77
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
\] [mg/L]	< 0.03	0.14	0.10	0.12	< 0.03	0.11	0.04	< 0.03	< 0.03	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00015	< 0.00005
Al [mg/L]	0.237	8.97	3.42	4.95	0.299	3.17	0.850	0.290	0.007	0.026
As [mg/L]	0.0034	0.127	0.229	0.0134	0.0032	0.178	0.237	0.0337	0.0035	0.0146
Ba [mg/L]	0.00227	0.0478	0.0102	0.0338	0.00234	0.00752	0.00244	0.00222	0.0262	0.00995
Be [mg/L]	< 0.000007	0.000412	0.000048	0.000016	0.000020	0.000261	0.000074	0.000027	< 0.000007	< 0.000007
B [mg/L]	0.104	0.156	0.114	0.081	0.138	0.222	0.173	0.138	0.090	0.068
Bi [mg/L]	< 0.00001	0.00010	0.00002	0.00004	< 0.00001	0.00006	0.00002	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	5.84	1.97	1.83	1.26	6.28	1.76	3.00	4.30	86.6	65.4
Cd [mg/L]	0.000007	0.000029	0.000018	0.000017	0.000014	0.000014	0.000008	0.000004	0.000010	0.000015
Co [mg/L]	0.000021	0.00290	0.000723	0.00168	0.000097	0.00148	0.000943	0.000263	0.000499	0.000763
Cr [mg/L]	0.00193	0.00237	0.00134	0.00162	0.00012	0.00123	0.00065	0.00022	< 0.00008	< 0.00008
Cu [mg/L]	< 0.001	0.003	0.001	0.003	< 0.001	0.001	< 0.001	< 0.001	0.002	0.003
Fe [mg/L]	0.016	6.27	1.25	3.01	0.338	1.72	0.835	0.373	< 0.007	< 0.007
K [mg/L]	28.1	45.5	29.4	35.0	16.2	23.5	18.6	16.6	1.86	6.44
Li [mg/L]	0.990	5.34	2.97	0.0482	0.316	0.885	1.24	0.447	0.0493	0.0237
Mg [mg/L]	2.38	2.44	0.681	1.26	3.50	1.09	2.27	3.46	19.8	18.5
Mn [mg/L]	0.00073	0.117	0.0212	0.0202	0.00582	0.0261	0.0157	0.00395	0.0393	0.0334
Mo [mg/L]	0.0056	0.0083	0.0073	0.0030	0.0157	0.0059	0.0070	0.0088	0.0031	0.0033

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	11: VIS-CV5-MS-187	12: VIS-CV5-MS-188	13: VIS-CV5-MS-189	14: VIS-CV5-MS-190	15: VIS-CV5-MS-191	16: VIS-CV5-MS-192	17: VIS-CV5-MS-193	18: VIS-CV5-MS-194	19: VIS-CV5-MS-195	20: VIS-CV5-MS-196
Na [mg/L]	10.4	13.3	22.8	13.8	17.9	17.1	19.4	16.3	6.86	7.13
Ni [mg/L]	< 0.0001	0.0034	0.0009	0.0018	0.0002	0.0017	0.0011	0.0003	0.0136	0.0170
P [mg/L]	0.017	0.100	0.045	0.140	0.006	0.058	0.010	0.006	< 0.003	< 0.003
Pb [mg/L]	< 0.00009	0.00222	0.00064	0.00090	0.0352	0.00204	0.00055	0.00010	0.00010	< 0.00009
Sb [mg/L]	0.0017	0.112	0.0868	0.0022	0.0231	0.0189	0.0513	0.0324	0.0015	0.0022
Se [mg/L]	0.00018	0.00019	0.00023	0.00016	0.00049	0.00011	0.00014	0.00022	0.00022	0.00020
Si [mg/L]	5.07	11.4	3.95	5.70	2.36	4.00	3.28	2.54	3.18	3.10
Sn [mg/L]	< 0.00006	0.00132	0.00018	0.00022	0.00033	0.00032	0.00031	< 0.00006	0.00010	< 0.00006
Sr [mg/L]	0.0134	0.00638	0.00400	0.00305	0.0343	0.00457	0.0115	0.0220	0.348	0.314
Ti [mg/L]	0.0008	0.572	0.101	0.261	0.0076	0.161	0.0343	0.0111	< 0.0001	< 0.0001
Tl [mg/L]	< 0.000005	0.00224	0.000174	0.000036	0.000022	0.000122	0.000201	0.000018	0.000039	0.000011
U [mg/L]	0.000499	0.00281	0.00368	0.00159	0.000088	0.00114	0.000199	0.000061	0.000683	0.000228
V [mg/L]	0.0284	0.0745	0.0485	0.118	0.00140	0.0476	0.0167	0.00430	0.00027	0.00036
Zn [mg/L]	< 0.002	0.014	0.004	0.008	0.002	0.005	< 0.002	< 0.002	< 0.002	< 0.002
Au [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	0.00008	---
Ce [mg/L]	0.00004	---	---	---	0.00017	---	---	---	0.00001	---
Cs [mg/L]	0.0343	---	---	---	0.0290	---	---	---	0.0037	---
Dy [mg/L]	< 0.00001	---	---	---	0.00001	---	---	---	< 0.00001	---
Er [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Eu [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ga [mg/L]	0.0026	---	---	---	0.0017	---	---	---	< 0.0001	---
Gd (tot) [mg/L]	< 0.00001	---	---	---	0.00002	---	---	---	< 0.00001	---
Ge [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Hf [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ho [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
In [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Ir [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	0.00003	---	---	---	0.00008	---	---	---	< 0.00001	---
Lu [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nd [mg/L]	0.00003	---	---	---	0.00009	---	---	---	0.00001	---
Os [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	11: VIS-CV5-MS-187	12: VIS-CV5-MS-188	13: VIS-CV5-MS-189	14: VIS-CV5-MS-190	15: VIS-CV5-MS-191	16: VIS-CV5-MS-192	17: VIS-CV5-MS-193	18: VIS-CV5-MS-194	19: VIS-CV5-MS-195	20: VIS-CV5-MS-196
Pr [mg/L]	< 0.00001	---	---	---	0.00002	---	---	---	< 0.00001	---
Pt [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	0.0732	---	---	---	0.0525	---	---	---	0.0058	---
Re [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	< 0.00001	---	---	---	0.00002	---	---	---	< 0.00001	---
Sc [mg/L]	0.0002	---	---	---	0.0001	---	---	---	0.0001	---
Ta [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Te [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Tm [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---

Analysis	21: VIS-CV5-MS-197	22: VIS-CV5-MS-198	23: VIS-CV5-MS-199	24: VIS-CV5-MS-200	25: VIS-CV5-MS-201	26: VIS-CV5-MS-202	27: VIS-CV5-MS-203	28: VIS-CV5-MS-204	29: VIS-CV5-MS-205	30: VIS-CV5-MS-206
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	100	99	100	101	100	99	99	100	100	100
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.08	8.71	9.06	9.16	8.31	4.64	8.08	9.09	8.76	8.87
Conductivity [uS/cm]	484	257	192	208	271	1280	482	236	237	179
Alkalinity [mg/L as CaCO3]	82	65	63	70	51	< 2	51	80	69	48
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	269	< 2	< 2	< 2	< 2
F [mg/L]	0.08	1.60	0.75	1.72	1.77	5.25	1.20	4.69	15.3	0.84
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	57	37	31	< 20	42	580	190	38	< 20	27
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
\] [mg/L]	< 0.03	< 0.03	< 0.03	0.14	< 0.03	< 0.03	< 0.03	0.03	0.57	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	21: VIS-CV5-MS-197	22: VIS-CV5-MS-198	23: VIS-CV5-MS-199	24: VIS-CV5-MS-200	25: VIS-CV5-MS-201	26: VIS-CV5-MS-202	27: VIS-CV5-MS-203	28: VIS-CV5-MS-204	29: VIS-CV5-MS-205	30: VIS-CV5-MS-206
Ag [mg/L]	0.00005	< 0.00005	< 0.00005	< 0.00005	0.00007	< 0.00005	0.00008	< 0.00005	0.00007	< 0.00005
Al [mg/L]	0.009	0.639	1.20	1.02	0.610	0.423	0.043	0.931	10.4	1.63
As [mg/L]	0.0418	0.0255	0.0064	0.500	0.0027	0.0007	0.0058	0.185	0.914	0.0231
Ba [mg/L]	0.0186	0.00497	0.00451	0.00350	0.00540	0.0580	0.00599	0.00705	0.0609	0.0130
Be [mg/L]	< 0.000007	0.000140	0.000017	0.000132	0.000009	0.000465	< 0.000007	0.000088	0.00138	0.000021
B [mg/L]	0.092	0.117	0.110	0.147	0.094	0.158	0.203	0.227	0.139	0.124
Bi [mg/L]	< 0.00001	0.00003	0.00002	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00264	0.00005
Ca [mg/L]	55.1	6.75	4.22	2.66	8.10	70.6	39.4	4.51	1.32	3.64
Cd [mg/L]	0.000015	0.000010	0.000023	0.000030	0.000005	0.000648	0.000022	0.000014	0.000086	0.000011
Co [mg/L]	0.000694	0.000300	0.000741	0.00130	0.000127	0.000671	0.000120	0.00138	0.00600	0.00121
Cr [mg/L]	0.00011	0.00142	0.00217	0.00288	0.00081	< 0.00008	0.00066	0.00147	0.0445	0.00263
Cu [mg/L]	0.002	< 0.001	0.001	0.001	< 0.001	0.016	< 0.001	0.001	0.018	0.002
Fe [mg/L]	0.008	0.443	1.10	0.625	0.372	145	0.017	0.883	7.43	1.93
K [mg/L]	7.46	21.5	18.7	13.7	21.6	27.1	4.78	21.1	32.6	22.4
Li [mg/L]	0.0255	1.54	0.702	1.33	1.76	2.25	0.911	3.18	5.23	0.317
Mg [mg/L]	13.8	3.18	2.38	1.52	3.34	42.8	17.7	2.12	3.72	2.80
Mn [mg/L]	0.0112	0.00958	0.0230	0.0183	0.00465	4.20	0.0130	0.0294	0.166	0.0106
Mo [mg/L]	0.0032	0.0050	0.0042	0.0119	0.0080	0.0009	0.0523	0.0053	0.0044	0.0040
Na [mg/L]	11.8	20.6	18.2	24.4	18.4	17.1	20.3	16.7	10.9	13.6
Ni [mg/L]	0.0232	0.0008	0.0014	0.0023	0.0002	0.0034	0.0006	0.0018	0.0350	0.0023
P [mg/L]	< 0.003	0.020	0.016	0.021	0.008	< 0.003	< 0.003	0.014	0.167	0.041
Pb [mg/L]	< 0.00009	0.00024	0.00084	0.00171	0.00019	0.00028	< 0.00009	0.00190	0.00564	0.00060
Sb [mg/L]	0.0041	0.0686	0.0204	0.230	0.0142	< 0.0009	0.0456	2.13	1.63	0.0359
Se [mg/L]	0.00022	0.00017	0.00019	0.00060	0.00011	0.00244	0.00463	0.00068	0.00169	0.00151
Si [mg/L]	3.01	2.80	2.93	3.50	2.15	10.8	3.09	3.14	17.3	4.34
Sn [mg/L]	0.00007	0.00012	0.00009	0.00016	0.00016	< 0.00006	0.00012	0.00011	0.01695	0.00014
Sr [mg/L]	0.227	0.0148	0.0103	0.00769	0.0177	0.0966	0.0542	0.0167	0.00337	0.0102
Ti [mg/L]	0.0001	0.0268	0.0611	0.0245	0.0260	0.0002	0.0006	0.0435	0.484	0.105
Tl [mg/L]	0.000014	0.000058	0.000019	0.000049	0.000016	0.000006	0.000053	0.000342	0.0114	0.000036
U [mg/L]	0.000247	0.00389	0.00213	0.00384	0.00178	0.000054	0.00490	0.00259	0.00433	0.000861
V [mg/L]	0.00030	0.0107	0.0147	0.0343	0.00850	0.00006	0.00066	0.0158	0.0458	0.0205
Zn [mg/L]	< 0.002	< 0.002	0.005	0.005	< 0.002	0.016	< 0.002	0.003	0.027	0.005
Au [mg/L]	---	---	< 0.00001	---	---	---	0.00011	---	---	---

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	21: VIS-CV5-MS-197	22: VIS-CV5-MS-198	23: VIS-CV5-MS-199	24: VIS-CV5-MS-200	25: VIS-CV5-MS-201	26: VIS-CV5-MS-202	27: VIS-CV5-MS-203	28: VIS-CV5-MS-204	29: VIS-CV5-MS-205	30: VIS-CV5-MS-206
Ce [mg/L]	---	---	0.00260	---	---	---	0.00007	---	---	---
Cs [mg/L]	---	---	0.0101	---	---	---	0.0587	---	---	---
Dy [mg/L]	---	---	0.00010	---	---	---	0.00002	---	---	---
Er [mg/L]	---	---	0.00004	---	---	---	0.00002	---	---	---
Eu [mg/L]	---	---	0.00003	---	---	---	0.00002	---	---	---
Ga [mg/L]	---	---	0.0063	---	---	---	0.0007	---	---	---
Gd (tot) [mg/L]	---	---	0.00017	---	---	---	0.00002	---	---	---
Ge [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Hf [mg/L]	---	---	0.0001	---	---	---	< 0.0001	---	---	---
Ho [mg/L]	---	---	0.00002	---	---	---	0.00002	---	---	---
In [mg/L]	---	---	< 0.00001	---	---	---	0.00002	---	---	---
Ir [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
La [mg/L]	---	---	0.00132	---	---	---	0.00005	---	---	---
Lu [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nb [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nd [mg/L]	---	---	0.00112	---	---	---	0.00004	---	---	---
Os [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pd [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pr [mg/L]	---	---	0.00030	---	---	---	0.00002	---	---	---
Pt [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Rh [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Rb [mg/L]	---	---	0.0506	---	---	---	0.123	---	---	---
Re [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ru [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sm [mg/L]	---	---	0.00018	---	---	---	0.00002	---	---	---
Sc [mg/L]	---	---	0.0003	---	---	---	0.0001	---	---	---
Ta [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tb [mg/L]	---	---	0.00002	---	---	---	0.00002	---	---	---
Te [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Th [mg/L]	---	---	0.0004	---	---	---	< 0.0001	---	---	---
Tm [mg/L]	---	---	< 0.00001	---	---	---	0.00002	---	---	---

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	31: VIS-CV5-MS-207	32: VIS-CV5-MS-208	33: VIS-CV5-MS-209	34: VIS-CV5-MS-210	35: VIS-CV5-MS-211	36: VIS-CV5-MS-212	37: VIS-CV5-MS-213	38: VIS-CV5-MS-214	39: VIS-CV5-MS-215	40: VIS-CV5-MS-216
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	101	100	99	100	99	100	100	99	99	100
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	8.35	9.31	8.95	8.03	9.28	9.06	9.34	9.06	8.99	8.81
Conductivity [uS/cm]	343	187	218	377	220	241	205	174	162	224
Alkalinity [mg/L as CaCO3]	47	77	87	33	85	80	86	66	61	63
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	6.44	1.49	3.30	22.9	2.53	5.19	0.84	4.23	1.03	0.67
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	66	< 20	< 20	32	< 20	< 20	< 20	< 20	< 20	24
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
\] [mg/L]	< 0.03	0.08	0.04	0.11	0.62	0.39	0.03	0.04	0.30	0.18
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	0.00010	< 0.00005	< 0.00005	0.00028	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.572	5.63	1.26	0.672	4.65	3.12	2.85	1.63	1.07	0.371
As [mg/L]	0.0165	0.119	0.0422	0.406	1.15	0.798	0.0380	0.0694	0.286	0.561
Ba [mg/L]	0.00663	0.0406	0.0101	0.0127	0.0166	0.00949	0.00628	0.00526	0.00488	0.00274
Be [mg/L]	0.000034	0.000210	0.000043	0.000245	0.000101	0.000200	0.000010	0.000167	0.000084	0.000011
B [mg/L]	0.265	0.117	0.195	0.515	0.153	0.195	0.089	0.137	0.114	0.638
Bi [mg/L]	0.00001	0.00007	0.00001	0.00100	0.00013	0.00021	< 0.00001	0.00003	0.00004	< 0.00001
Ca [mg/L]	9.38	2.36	2.53	1.98	1.10	2.20	1.39	1.93	3.62	6.52
Cd [mg/L]	0.000008	0.000077	0.000007	0.000178	0.000041	0.000080	0.000010	0.000020	0.000071	0.000013
Co [mg/L]	0.000244	0.00126	0.000321	0.000554	0.00151	0.000456	0.000318	0.000496	0.00107	0.000315
Cr [mg/L]	0.00155	0.00327	0.00754	0.00061	0.00796	0.00181	0.00102	0.00025	0.00615	0.00343
Cu [mg/L]	0.001	0.002	< 0.001	0.020	0.004	0.003	0.001	< 0.001	0.004	0.001
Fe [mg/L]	0.410	0.887	0.394	0.485	1.77	0.588	0.819	1.29	0.767	0.317
K [mg/L]	32.5	25.3	21.8	39.4	36.5	33.2	36.5	21.6	6.34	9.20
Li [mg/L]	3.70	1.14	3.51	9.16	3.03	3.79	2.39	1.22	3.36	1.88
Mg [mg/L]	4.28	0.855	1.07	2.54	0.896	0.578	0.515	1.58	1.67	3.49
Mn [mg/L]	0.0126	0.0382	0.00762	0.0116	0.0422	0.0196	0.0119	0.0242	0.0101	0.00500
Mo [mg/L]	0.0088	0.0117	0.0042	0.0056	0.0046	0.0351	0.0123	0.0186	0.0029	0.0031

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	31: VIS-CV5-MS-207	32: VIS-CV5-MS-208	33: VIS-CV5-MS-209	34: VIS-CV5-MS-210	35: VIS-CV5-MS-211	36: VIS-CV5-MS-212	37: VIS-CV5-MS-213	38: VIS-CV5-MS-214	39: VIS-CV5-MS-215	40: VIS-CV5-MS-216
Na [mg/L]	18.0	18.2	16.0	11.9	12.1	13.4	12.0	16.7	15.0	23.0
Ni [mg/L]	0.0005	0.0023	0.0009	0.0013	0.0056	0.0013	0.0008	0.0007	0.0022	0.0016
P [mg/L]	0.006	0.039	0.029	0.024	0.089	0.053	0.029	0.024	0.182	0.019
Pb [mg/L]	0.00015	0.00362	0.00022	0.00885	0.00195	0.00276	0.00031	0.00037	0.00079	0.00028
Sb [mg/L]	0.0786	0.0779	0.0908	11.2	0.472	0.700	0.0183	0.0290	0.105	0.101
Se [mg/L]	0.00025	0.00016	0.00042	0.00936	0.00146	0.00086	0.00028	0.00015	0.00044	0.00095
Si [mg/L]	2.47	7.63	3.09	4.47	5.67	3.88	3.59	4.06	5.42	4.22
Sn [mg/L]	0.00033	0.00030	< 0.00006	0.00117	0.00055	0.00074	0.00011	0.00018	0.00021	< 0.00006
Sr [mg/L]	0.0175	0.0114	0.00678	0.00545	0.00260	0.00686	0.00561	0.00497	0.0118	0.0282
Ti [mg/L]	0.0264	0.111	0.0264	0.0161	0.157	0.0567	0.0773	0.0454	0.0584	0.0074
Tl [mg/L]	0.000169	0.000180	0.000052	0.002867	0.000667	0.000529	0.000049	0.000185	0.000213	0.000093
U [mg/L]	0.00121	0.0145	0.00451	0.000210	0.0114	0.0213	0.00129	0.00121	0.000402	0.00114
V [mg/L]	0.0114	0.0331	0.0657	0.00335	0.0449	0.0287	0.0399	0.00403	0.0461	0.0221
Zn [mg/L]	< 0.002	0.014	< 0.002	0.039	0.011	0.007	0.003	0.003	0.008	< 0.002
Au [mg/L]	< 0.00001	---	---	---	0.00001	---	---	---	< 0.00001	---
Ce [mg/L]	0.00091	---	---	---	0.00927	---	---	---	0.00318	---
Cs [mg/L]	0.269	---	---	---	0.429	---	---	---	0.322	---
Dy [mg/L]	0.00005	---	---	---	0.00034	---	---	---	0.00013	---
Er [mg/L]	0.00001	---	---	---	0.00014	---	---	---	0.00006	---
Eu [mg/L]	0.00001	---	---	---	0.00008	---	---	---	0.00005	---
Ga [mg/L]	0.0038	---	---	---	0.0139	---	---	---	0.0033	---
Gd (tot) [mg/L]	0.00007	---	---	---	0.00061	---	---	---	0.00023	---
Ge [mg/L]	< 0.0001	---	---	---	0.0002	---	---	---	0.0001	---
Hf [mg/L]	0.0001	---	---	---	< 0.0001	---	---	---	0.0001	---
Ho [mg/L]	< 0.00001	---	---	---	0.00006	---	---	---	0.00003	---
In [mg/L]	< 0.00001	---	---	---	0.00002	---	---	---	< 0.00001	---
Ir [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
La [mg/L]	0.00043	---	---	---	0.00501	---	---	---	0.00153	---
Lu [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Nb [mg/L]	< 0.0001	---	---	---	0.0003	---	---	---	< 0.0001	---
Nd [mg/L]	0.00043	---	---	---	0.00364	---	---	---	0.00148	---
Os [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Pd [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11020-FEB25**

Analysis	31: VIS-CV5-MS-207	32: VIS-CV5-MS-208	33: VIS-CV5-MS-209	34: VIS-CV5-MS-210	35: VIS-CV5-MS-211	36: VIS-CV5-MS-212	37: VIS-CV5-MS-213	38: VIS-CV5-MS-214	39: VIS-CV5-MS-215	40: VIS-CV5-MS-216
Pr [mg/L]	0.00011	---	---	---	0.00102	---	---	---	0.00039	---
Pt [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Rh [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Rb [mg/L]	0.871	---	---	---	1.02	---	---	---	0.326	---
Re [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Ru [mg/L]	< 0.00001	---	---	---	< 0.00001	---	---	---	< 0.00001	---
Sm [mg/L]	0.00007	---	---	---	0.00063	---	---	---	0.00027	---
Sc [mg/L]	0.0003	---	---	---	0.0007	---	---	---	0.0004	---
Ta [mg/L]	< 0.0001	---	---	---	0.0001	---	---	---	< 0.0001	---
Tb [mg/L]	0.00001	---	---	---	0.00009	---	---	---	0.00003	---
Te [mg/L]	< 0.0001	---	---	---	< 0.0001	---	---	---	< 0.0001	---
Th [mg/L]	0.0004	---	---	---	0.0021	---	---	---	0.0002	---
Tm [mg/L]	< 0.00001	---	---	---	0.00003	---	---	---	< 0.00001	---

Analysis	41: VIS-CV5-MS-217	42: VIS-CV5-MS-218	43: VIS-CV5-MS-219	44: VIS-CV5-MS-220	45: VIS-CV5-MS-221	46: VIS-CV5-MS-222	47: VIS-CV5-MS-223	48: VIS-CV5-MS-224	49: VIS-CV5-MS-225	50: VIS-CV5-MS-226
Sample Date & Time	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample weight [g]	99	100	100	100	101	100	99	100	100	99
Volume D.I. Water [mL]	400	400	400	400	400	400	400	400	400	400
pH [No unit]	9.35	9.47	9.44	8.90	8.68	9.19	8.92	8.18	8.94	8.12
Conductivity [uS/cm]	178	178	204	200	152	189	184	247	147	173
Alkalinity [mg/L as CaCO3]	84	79	94	49	52	70	66	48	56	47
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	3.16	0.84	0.92	0.70	0.20	2.40	0.88	1.57	0.50	0.61
Br [mg/L]	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
SO4 [mg/L]	< 20	< 20	< 20	< 20	< 20	< 20	< 20	31	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
\] [mg/L]	0.10	0.28	0.14	< 0.03	< 0.03	< 0.03	0.27	< 0.03	0.16	< 0.03
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11020-FEB25

Analysis	41: VIS-CV5-MS-217	42: VIS-CV5-MS-218	43: VIS-CV5-MS-219	44: VIS-CV5-MS-220	45: VIS-CV5-MS-221	46: VIS-CV5-MS-222	47: VIS-CV5-MS-223	48: VIS-CV5-MS-224	49: VIS-CV5-MS-225	50: VIS-CV5-MS-226
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00011	< 0.00005	< 0.00005
Al [mg/L]	3.12	5.53	3.31	1.35	0.218	0.870	2.15	0.712	0.658	0.399
As [mg/L]	0.0649	0.313	0.245	0.0015	0.0120	0.0217	0.811	0.0444	0.443	0.0393
Ba [mg/L]	0.00644	0.0177	0.0146	0.00464	0.00655	0.00324	0.00890	0.00449	0.00310	0.00058
Be [mg/L]	0.000127	0.000087	0.000054	< 0.000007	< 0.000007	0.000106	0.000110	0.000038	0.000057	< 0.000007
B [mg/L]	0.117	0.102	0.123	0.133	0.062	0.225	0.247	0.111	0.168	0.287
Bi [mg/L]	0.00003	0.00004	0.00003	0.00002	0.00001	< 0.00001	0.00004	0.00004	0.00002	< 0.00001
Ca [mg/L]	1.31	1.38	1.45	4.27	5.84	3.57	2.12	6.09	2.74	6.09
Cd [mg/L]	0.000026	0.000022	0.000036	0.000006	0.000011	0.000007	0.000020	0.000043	0.000014	< 0.000003
Co [mg/L]	0.000335	0.000702	0.000727	0.000223	0.000059	0.000183	0.00251	0.000444	0.000820	0.000013
Cr [mg/L]	0.00022	0.00028	0.00058	0.00071	0.00115	0.00205	0.0186	0.00104	0.00110	0.00125
Cu [mg/L]	< 0.001	< 0.001	0.001	0.002	< 0.001	< 0.001	0.002	0.002	< 0.001	< 0.001
Fe [mg/L]	0.985	2.49	1.47	0.357	0.224	0.338	1.22	0.358	0.383	0.009
K [mg/L]	23.7	31.0	31.5	26.5	9.06	17.2	24.6	28.7	6.71	6.67
Li [mg/L]	2.25	1.62	3.09	0.326	0.403	1.28	1.38	0.976	0.122	0.926
Mg [mg/L]	0.537	0.871	0.723	1.11	3.26	1.44	1.47	2.81	1.03	2.32
Mn [mg/L]	0.0192	0.0427	0.0294	0.00216	0.00431	0.0100	0.0108	0.00895	0.00598	0.00088
Mo [mg/L]	0.0094	0.0122	0.0417	0.0030	0.0061	0.0057	0.0115	0.0099	0.0052	0.0043
Na [mg/L]	13.8	12.0	12.1	13.8	16.3	19.8	15.5	14.8	22.3	17.9
Ni [mg/L]	0.0002	0.0003	0.0006	0.0003	0.0002	0.0006	0.0081	0.0011	0.0010	< 0.0001
P [mg/L]	0.066	0.120	0.044	0.032	0.017	0.033	0.014	0.009	0.025	< 0.003
Pb [mg/L]	0.00077	0.00164	0.00049	0.00033	0.00013	0.00019	0.00062	0.00045	0.00013	< 0.00009
Sb [mg/L]	0.0246	0.0217	0.213	0.0018	0.0020	0.0267	0.105	0.237	0.0415	0.0599
Se [mg/L]	0.00015	0.00011	0.00013	0.00022	0.00015	0.00021	0.00060	0.00314	0.00029	0.00032
Si [mg/L]	3.64	4.98	3.85	2.29	5.37	3.08	3.71	2.95	3.07	3.93
Sn [mg/L]	0.00043	0.00021	0.00016	< 0.00006	< 0.00006	0.00012	0.00009	0.00015	0.00009	< 0.00006
Sr [mg/L]	0.00280	0.00393	0.00535	0.0103	0.00890	0.00872	0.00469	0.0139	0.00411	0.0146
Ti [mg/L]	0.0939	0.215	0.133	0.0306	0.0128	0.0239	0.0509	0.0246	0.0326	0.0003
Tl [mg/L]	0.000584	0.000197	0.000132	0.000040	0.000013	0.000153	0.000197	0.000145	0.000254	0.000026
U [mg/L]	0.0110	0.0108	0.0107	0.0161	0.000977	0.00353	0.00170	0.00172	0.00153	0.000607
V [mg/L]	0.0149	0.0164	0.0535	0.0176	0.0239	0.0165	0.0353	0.00604	0.00989	0.0441
Zn [mg/L]	0.005	0.008	0.004	< 0.002	< 0.002	< 0.002	0.008	0.009	0.003	< 0.002
Au [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	41: VIS-CV5-MS-217	42: VIS-CV5-MS-218	43: VIS-CV5-MS-219	44: VIS-CV5-MS-220	45: VIS-CV5-MS-221	46: VIS-CV5-MS-222	47: VIS-CV5-MS-223	48: VIS-CV5-MS-224	49: VIS-CV5-MS-225	50: VIS-CV5-MS-226
Ce [mg/L]	---	---	0.00415	---	---	---	0.00375	---	---	---
Cs [mg/L]	---	---	0.0684	---	---	---	0.217	---	---	---
Dy [mg/L]	---	---	0.00026	---	---	---	0.00016	---	---	---
Er [mg/L]	---	---	0.00012	---	---	---	0.00007	---	---	---
Eu [mg/L]	---	---	0.00005	---	---	---	0.00005	---	---	---
Ga [mg/L]	---	---	0.0119	---	---	---	0.0066	---	---	---
Gd (tot) [mg/L]	---	---	0.00035	---	---	---	0.00026	---	---	---
Ge [mg/L]	---	---	0.0001	---	---	---	0.0001	---	---	---
Hf [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ho [mg/L]	---	---	0.00005	---	---	---	0.00003	---	---	---
In [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Ir [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
La [mg/L]	---	---	0.00208	---	---	---	0.00189	---	---	---
Lu [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Nb [mg/L]	---	---	0.0002	---	---	---	< 0.0001	---	---	---
Nd [mg/L]	---	---	0.00190	---	---	---	0.00149	---	---	---
Os [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pd [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Pr [mg/L]	---	---	0.00050	---	---	---	0.00041	---	---	---
Pt [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Rh [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Rb [mg/L]	---	---	0.115	---	---	---	0.256	---	---	---
Re [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Ru [mg/L]	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---
Sm [mg/L]	---	---	0.00036	---	---	---	0.00027	---	---	---
Sc [mg/L]	---	---	0.0009	---	---	---	0.0007	---	---	---
Ta [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Tb [mg/L]	---	---	0.00005	---	---	---	0.00004	---	---	---
Te [mg/L]	---	---	< 0.0001	---	---	---	< 0.0001	---	---	---
Th [mg/L]	---	---	0.0008	---	---	---	0.0007	---	---	---
Tm [mg/L]	---	---	0.00001	---	---	---	0.00001	---	---	---

OnLine LIMS

00040813S0

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11020-FEB25

Analysis	51: VIS-CV5-MS-227	52: VIS-CV5-MS-228	53: VIS-CV5-MS-201	54: VIS-CV5-MS-221	55:BLK: CTEU Blank	56: VIS-CV5-MS-228
Sample Date & Time	NA	NA				
Sample weight [g]	100	100	100	---	---	100
Volume D.I. Water [mL]	400	400	400	---	400	400
pH [No unit]	7.92	9.47	8.18	---	7.38	9.40
Conductivity [uS/cm]	409	204	267	---	2	204
Alkalinity [mg/L as CaCO3]	57	82	49	---	< 2	77
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	---	3	< 2
F [mg/L]	0.80	1.59	1.77	---	< 0.06	1.59
Br [mg/L]	< 30	< 30	< 30	---	< 30	< 30
Cl [mg/L]	< 20	< 20	< 20	---	< 20	< 20
SO4 [mg/L]	87	< 20	40	---	< 20	< 20
NO2 [as N mg/L]	< 3	< 3	< 3	---	< 3	< 3
NO3 [as N mg/L]	< 6	< 6	< 6	---	< 6	< 6
\] [mg/L]	< 0.03	0.85	< 0.03	---	< 0.03	0.84
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	---	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	0.00008	---	< 0.00005	< 0.00005
Al [mg/L]	0.129	0.861	0.658	---	0.004	0.960
As [mg/L]	0.0006	2.16	0.0023	---	0.0009	2.09
Ba [mg/L]	0.00585	0.00281	0.00523	---	0.00008	0.00311
Be [mg/L]	< 0.000007	0.000029	0.000012	---	< 0.000007	0.000032
B [mg/L]	0.075	0.207	0.096	---	< 0.002	0.210
Bi [mg/L]	< 0.00001	0.00004	< 0.00001	---	< 0.00001	0.00004
Ca [mg/L]	25.4	2.18	8.27	---	0.02	2.32
Cd [mg/L]	0.000021	0.000007	0.000009	---	< 0.000003	0.000012
Co [mg/L]	0.000045	0.00145	0.000123	---	0.000011	0.00148
Cr [mg/L]	0.00012	0.0219	0.00079	---	< 0.00008	0.0236
Cu [mg/L]	< 0.001	0.002	< 0.001	---	< 0.001	0.002
Fe [mg/L]	0.009	0.740	0.387	---	< 0.007	0.860
K [mg/L]	16.9	26.5	21.8	---	0.094	27.5
Li [mg/L]	1.24	2.58	1.84	---	0.0005	2.70
Mg [mg/L]	20.1	1.06	3.40	---	0.005	1.14
Mn [mg/L]	0.0285	0.0116	0.00460	---	0.00011	0.0140
Mo [mg/L]	0.0105	0.0014	0.0082	---	< 0.0004	0.0012

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	51: VIS-CV5-MS-227	52: VIS-CV5-MS-228	53: VIS-CV5-MS-201	54: VIS-CV5-MS-221	55:BLK: CTEU Blank	56: VIS-CV5-MS-228
Na [mg/L]	5.82	15.3	18.6	---	0.43	15.1
Ni [mg/L]	0.0001	0.0043	0.0002	---	< 0.0001	0.0046
P [mg/L]	< 0.003	0.071	0.008	---	0.036	0.067
Pb [mg/L]	< 0.00009	0.00037	0.00019	---	< 0.00009	0.00035
Sb [mg/L]	0.0367	0.119	0.0139	---	< 0.0009	0.121
Se [mg/L]	0.00065	0.00020	0.00010	---	< 0.00004	0.00023
Si [mg/L]	2.26	4.58	2.28	---	< 0.02	5.10
Sn [mg/L]	< 0.00006	0.00024	0.00022	---	< 0.00006	0.00028
Sr [mg/L]	0.0253	0.00262	0.0173	---	< 0.00008	0.00279
Ti [mg/L]	0.0003	0.0422	0.0300	---	< 0.0001	0.0530
Tl [mg/L]	0.000047	0.000117	0.000015	---	< 0.000005	0.000129
U [mg/L]	0.000740	0.000145	0.00178	---	< 0.000002	0.000150
V [mg/L]	0.00050	0.0637	0.00879	---	0.00004	0.0659
Zn [mg/L]	< 0.002	0.003	< 0.002	---	< 0.002	0.004
Au [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001
Ce [mg/L]	0.00003	---	0.00113	---	< 0.00001	0.00027
Cs [mg/L]	0.145	---	0.0156	---	0.0002	0.243
Dy [mg/L]	< 0.00001	---	0.00004	---	< 0.00001	0.00002
Er [mg/L]	< 0.00001	---	0.00001	---	< 0.00001	< 0.00001
Eu [mg/L]	< 0.00001	---	0.00001	---	< 0.00001	< 0.00001
Ga [mg/L]	0.0008	---	0.0050	---	< 0.0001	0.0033
Gd (tot) [mg/L]	< 0.00001	---	0.00008	---	< 0.00001	0.00002
Ge [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Hf [mg/L]	< 0.0001	---	0.0001	---	< 0.0001	< 0.0001
Ho [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001
In [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001
Ir [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001
La [mg/L]	0.00002	---	0.00057	---	< 0.00001	0.00014
Lu [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Nb [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Nd [mg/L]	0.00001	---	0.00049	---	< 0.00001	0.00013
Os [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Pd [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001

OnLine LIMS

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA11020-FEB25**

Analysis	51: VIS-CV5-MS-227	52: VIS-CV5-MS-228	53: VIS-CV5-MS-201	54: VIS-CV5-MS-221	55:BLK: CTEU Blank	56: VIS-CV5-MS-228
Pr [mg/L]	< 0.00001	---	0.00014	---	< 0.00001	0.00003
Pt [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Rh [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001
Rb [mg/L]	0.258	---	0.119	---	0.0002	0.381
Re [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Ru [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001
Sm [mg/L]	< 0.00001	---	0.00009	---	< 0.00001	0.00003
Sc [mg/L]	< 0.0001	---	0.0002	---	< 0.0001	0.0003
Ta [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Tb [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001
Te [mg/L]	< 0.0001	---	< 0.0001	---	< 0.0001	< 0.0001
Th [mg/L]	< 0.0001	---	0.0003	---	< 0.0001	< 0.0001
Tm [mg/L]	< 0.00001	---	< 0.00001	---	< 0.00001	< 0.00001

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
	g	NA	N	N
	mL	NA	N	N
Acidity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Alkalinity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	N
Anions by IC	mg/L	ME-CA-[ENV]IC-LAK-AN-001	Y	Y
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Fluoride by Specific Ion Electrode	mg/L	ME-CA-[ENV]EWL-LAK-AN-014	Y	Y
Inorganics-General	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	Y	Y
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	N
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	Y	Y
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	Y	Y
Reactive Phosphorus by SFA	mg/L	ME-CA-[ENV]SFA-LAK-AN-004	Y	N

OnLine LIMS

0004081350

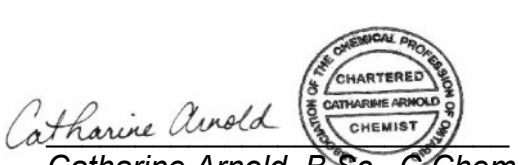
Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004081350

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.