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A-2 CADRAGE ENVIRONNEMENTAL ET SOCIAL

A-3 MILIEU AQUATIQUE

A-4 TRANSPORT

A-5 MICROMAMMIFÈRES

A-6 GÉOCHIMIE

A-7 QUALITÉ DE L'AIR

A-8 POTENTIEL ARCHÉOLOGIQUE

Innova Lithium Inc.

Geochemical Characterization Results

Corvette Property, QC

Technical Report

Analysis and Interpretation of the CV5 Static and Kinetic Geochemistry Characterization Results

BBA Document No. / Rev.: 7535001-000500-4E-ERA-0001 / R00

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1. Introduction

BBA has been retained by Innova Lithium Inc. for the initial environmental geochemical assessment of the mining materials, which will support the economic studies and environmental permitting activities for the Corvette Lithium Project.

The objective of this preliminary characterization study is to obtain information regarding the geochemical behaviour of waste rock, ore and tailings for the Corvette Lithium Project. While geochemical testing is a requirement for obtaining a mining permit, it also plays an essential role in planning the management of water, waste rock, ore and tailings. The results of geochemical characterization also have an impact on capital costs (CAPEX), operating costs (OPEX) and reclamation costs.

The following study has been aligned in accordance with the metal leaching and acid rock drainage (ML/ARD) guidelines from the Québec Ministry of the Environment-based Mining Wastes and Ore Characterization Guide (MELCC, 2020) and the Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials – Report 1.20.1 (MEND, 2009).

The geochemical assessment will also evaluate metal leaching due to neutral mine drainage (NMD) for mobile elements under near-neutral conditions, such as arsenic, considering NMD has been identified in similar LCT (Li-Cs-Ta) pegmatite lithium projects in both Ontario and Québec.

It should be noted that the Corvette Lithium Project does not have any defined "ore" at this time. However, the term ore is referred to as spodumene pegmatite throughout the report to separate the classification from waste rock.

2. Materials and Methods

2.1. Program Design

The geochemical characterization assessment was conducted as a two-phase program. This two-phased program was designed to serve as an iterative and evolutionary approach, allowing the Phase 2 sampling program to be adapted according to the results obtained during Phase 1.

- Phase 1 was designed for static geochemical characterization of important mine materials (waste rock, ore, preliminary DMS tailings) to provide initial characterization, understand the general elements of concern, and to understand geochemical variability.

- Phase 2 was designed based on the results of Phase 1, in which kinetic characterization using humidity cell tests (HCT) was implemented to better understand metal leaching, acid rock drainage potential and element mobility characteristics. The results obtained were used as inputs into the waste rock geochemical modelling and will also be used as inputs in future water quality modelling exercises.

2.2. Sampling Methodology

The sampling strategy that guided the Phase 1 program aimed to capture both geochemical variability and spatial variability by targeting the following aspects:

- Weighted sampling of all waste rock units based on approximate abundance of logged lithologies;
- Spatial variance along strike of mineralization as well as at depth;
- Proximal to the ore zone;
- Geochemical variance based on initial review/screening (As, Be, etc.);
- Variability in sulfide concentration.

Samples were selected from the drillhole database (DHDB) to form composite samples through the collection of 2 to 8 subsamples, ideally representing approximately 10 m length, although composite samples ranged from 2 to 12 m based on continuous available intersections. This level of resolution is appropriate for waste rock segregation as it is generally consistent with an approximate bench height in the future mine design for an open pit. It also helps to ensure spatial representation by reducing outlier intervals. A summary of the composite sample details (i.e., drillhole number, from (m), to (m), length (m), sample ID) are provided in Appendix A.

Samples selected for Phase 1 static testing were collected as pre-existing sample rejects located at SGS Labs in Burnaby, BC. The sample rejects were shipped to SGS Labs in Lakefield, ON and compositing was completed in-house by SGS. Samples selected for the Phase 2 kinetic testing were acquired from archived core samples and cut into ¼ core length samples and shipped to SGS for crushing and sieving to 6.3 mm.

2.3. Sample Inventory

A total of 84 samples were selected for the static program, including four generalized waste rock lithologies (namely amphibolite, metasediment, barren pegmatite and ultramafic), as well as one ore material (spodumene pegmatite), and one preliminary tailings material (DMS tailings). All

samples were submitted to SGS laboratories for acid-base accounting (ABA), extractible metals content and leaching tests (SPLP, CTEU-9, TCLP). A summary of the collected samples per material type and sampling zone is shown in Table 1.

Table 1: Summary of static test samples collected per lithology and associated material types

Lithology	Total number of samples	Material type
Amphibolite	30	Waste Rock
Metasediment	25	Waste Rock
Barren pegmatite	13	Waste Rock
Ultramafic	6	Waste Rock
Ore (spodumene pegmatite)	8	Ore
DMS Tailings	2	Tailings

2.4. Acid-base Accounting

Acid-base Accounting (ABA) comprises a set of laboratory test procedures, and data interpretation framework designed to determine if a material can be qualified as potentially acid-generating (PAG) or non-PAG (NPAG) by quantifying and comparing the neutralization potential (NP), and acidification potential (AP).

ABA was performed following the CEAEQ Method *MA.110 ACISOL1.0,* as recommended by the *Ministère de l'Environnement, de la Lutte contre le Changement Climatique, de la Faune et des Parcs* (MELCCFP) in the *Guide de caractérisation des résidus miniers et du minerai* (2020).

2.4.1. Neutralization Potential Assessment

The NP of a material, expressed in kg$CaCO_3$/tonne, generally depends on the content and availability of calcite ($CaCO_3$), and dolomite ($Ca,Mg(CO_3)_2$), as these minerals tend to dissolve rapidly and provide NP when exposed to acidity. In addition, certain silicate minerals may also account for a substantial proportion of the NP, although silicate minerals tend to have lower dissolution rates.

The NP of a material can either be measured directly through a laboratory procedure (referred to here as bulk-NP), or theoretically based only on the carbonate carbon content (CO_3-NP) of the sample.

Bulk-NP is estimated by acidifying a pulverized sample of solid material using an HCl solution in order to exhaust all of its neutralization potential, before titrating it back to a pH of 7 using a Na(OH) solution. The difference between the HCl and Na(OH) employed during the test can be used to derive the bulk-NP of the material, which includes the contribution of all neutralizing minerals (e.g., carbonates, and silicates).

CO_3-NP is a theoretical estimate based on the assumption that the NP of the material essentially relies on the presence of carbonates. The CO_3-NP can either be calculated using the carbonate content or the total carbon content, assuming that most of the carbon content of the sample is in the form of carbonates. The equation used to calculate CO_3-NP is as follows:

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

Where $\%C$ is the percentage of carbonate carbon or total carbon, M_{CaCO_3} is the molar mass of carbonate (=100.086 g/mol), and M_C is the molar mass of carbon (=12.011 g/mol).

2.4.2. Acidification Potential Assessment

The acidification potential (AP) of samples can be estimated through theoretical calculation with the sulfide sulfur content, or the total sulfur content, assuming that it is mainly present in the form of sulfides similar to pyrite. The equation used for the calculation of AP is as follows:

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

Where $\%S$ is the sulfide sulfur content or total sulfur content, and M_S the molar mass of sulfur (=32.065 g/mol).

2.5. Extractible Metals Content

Extractible (or environmentally available) metals content was measured in accordance with CEAEQ Method MA. 200 - Mét. 1.2. Aqua Regia extracts (partial digestion) were analyzed via ICP-MS for major, minor, and trace elements. This extraction method is designed to provide an estimate of the elements that can be leached over a long time period through natural processes such as dissolution and oxidation. Aqua Regia extract contents were compared to average concentrations of the continental crust.

It should be noted that average concentrations of the continental crust refer to total content (total digestion) and extractible contents refer to partial content (partial digestion) and, therefore, direct comparisons should be treated with caution.

However, extractible contents can be compared with soil Criteria A presented in MELCCFP (2021) "*Guide d'intervention – Protection des sols et rehabilitation des terrains contaminés*".

2.6. Leaching Tests

As required in MELCCFP guidelines, samples were subjected to CEAEQ Method MA. 100 – Lix.Com. 1.1 recommendations, a portion of the selected sample was subjected to a series of leaching procedures to assess if the tested materials are susceptible to leaching compounds of potential concern (COPC) into the receiving environment. All samples were subjected to Synthetic Precipitation Leaching Procedure (SPLP) and CTEU-9 leaching procedure. Samples were also subjected to the Toxicity Characteristic Leaching Procedure (TCLP).

The SPLP, CTEU-9 and TCLP procedures are designed to evaluate the concentration of species that could be potentially leached when a material is put in contact with water. The SPLP method employs acidic water at a pH of 4.2 in order to simulate mildly-acidic environmental conditions such as acid rain, whereas CTEU-9 simply involves de-ionized water and the material is crushed to a finer grain size, exposing more surface area. In TCLP procedure, buffered addition of acetic acid is used in order to simulate behavior of materials when disposed in organic containing landfill.

All leaching test extracts were subjected to ICP-MS analysis of major, minor and trace elements. Additionally, TCLP, SPLP and CTEU-9 leachates were subjected to fluoride (F^-), sulfate (SO_4^{2-}), chloride (Cl^-), bromide (Br^-), nitrite (NO_2^-), and nitrate (NO_3^-) measurements compounds characterization through ionic chromatography, as well as acidity/alkalinity titration analysis, and pH and electric conductivity (EC) measurements.

2.7. Classification Criteria

2.7.1. Potentially Acid Generating (PAG) Material Classification

Samples with total sulfur greater than 5% are de facto qualified as PAG, while samples with less than 0.04% total sulfur are classified as NPAG based on the *Guide de caractérisation des résidus miniers et du minerai* (2020). All intermediate samples are qualified as PAG if the net neutralization potential (NNP = NP-AP) is below 20, or if the neutralization potential ratio (NPR = NP/AP) is below 2. However, samples classified as PAG based on static testing can be requalified as NPAG on the basis of kinetic test results. The screening criteria for ABA are summarized in Table 2.

Table 2: Classification criteria of PAG and NPAG samples and required future steps based on total sulfur content, NPR and NNP

Parameter	Criteria	Acid generating potential	Procedure
Total S	<0.04%	NPAG	No further testing
Total S	>0.04%	Further testing required	Static ARD prediction tests
Total S	>5%	Further testing required	▪ De facto PAG; or ▪ Kinetic testing to validate
NNP	<20	PAG	If one of NNP or NPR is below the regulatory value, then sample is PAG
NPR	<2	PAG	

2.7.2. Metal(loid) Leaching Potential

The results of the leaching tests conducted on the selected samples were evaluated with regards to the MELCCFP guidelines.

In order to highlight potential metal(loid) enrichments of the materials, the Aqua Regia leach test results were compared to the average continental crust concentration (Rudnick and Gao, 2014) as well as to the background contents of the Superior geological province provided in Annex 1 of the *Guide d'intervention - protection des sols et réhabilitation des terrains contaminés* of the MELCCFP.

The SPLP and CTEU-9 leach test results were compared to the*Critère de qualité pour la protection de la vie aquatique – effet aigu* (CVAA) of Critère de qualité des eaux de surface (CQES) provided by the MELCCFP. Criteria for certain elements (e.g., cadmium (Cd), manganese (Mn)) depend on the hardness of the receiving water system, whereas for aluminium (Al) it also depends on the dissolved organic carbon (DOC) concentration and on the pH. The criteria were calculated assuming a DOC concentration of 10 mg/L, a pH of 6, and a hardness of 10 mg/L.

The TCLP leach test results were compared to the Directive 019 – Annex 2 on the characteristics of (high risk) mine residues.

2.8. Kinetic Testing

A set of 17 samples (+1 duplicate) were subjected to kinetic testing through a humidity cell test (HCT) procedure (Table 3).

The HCT samples were selected on the basis of static test results in order to include all lithology and material types, and to cover a wide range of behaviours in terms of acid generation and metal leaching potential, primarily to assess relation between arsenic content and leachability.

Table 3: Inventory of the conducted HCTs and corresponding lithology or material types

HCT test ID	Lithology or material type
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	Ultramafic
CV5-WR-HCT-39	Metasediment
CV5-WR-HCT-50	Metasediment
CV5-WR-HCT-56	Metasediment
CV5-WR-HCT-59	Ultramafic
CV5-WR-HCT-62	Ultramafic
CV5-WR-HCT-64	Barren pegmatite
CV5-WR-HCT-69	Barren pegmatite
CV5-WR-HCT-74	Ore
CV5-WR-HCT-76	Ore
CV5-DMS-HCT-83	DMS tailings
CV5-DMS-HCT-84	DMS tailings

The testing procedure (ASTM D5744-18) was conducted by SGS, and consisted of placing 1 kg of dried material from each sample inside a humidity cell, and proceeding to weekly flushing cycles using 1 litre of deionized water. The waste rock and ore materials were crushed down to a particle size fraction of 6.3 mm, while DMS tailings were placed without additional processing.

The leachates resulting from the weekly flushing were sampled and subjected to a series of analysis. These included pH and electric conductivity (EC) measurements, acidity/alkalinity titration analysis, ICP-MS analysis of major, minor and trace elements, as well as fluoride (F^-), sulfate (SO_4^{2-}), chloride (Cl^-), bromide (Br^-), nitrite (NO_2^-) and nitrate (NO_3^-) measurements through ionic chromatography.

This report presents the results of the first 40 weeks of HCT; however the tests are still ongoing as the report is being prepared.

3. Results and Interpretation

A static test analysis comprising ABA and leaching test procedures was carried out in order to determine whether the investigated materials may generate acidity, leach COPCs, and potentially pose a change to the water quality of the receiving environment. The certificates of analysis for all tests conducted on the samples are presented in Appendix B.

3.1. Acid-Base Accounting

ABA tests were carried out on the 84 collected samples in order to determine their AP and NP and identify materials that can be identified as PAG. Tables summarizing the ABA results are provided in Appendix C.

3.1.1. Sulfur Speciation Analysis

Figure 1 displays the correlation between total sulfur concentration and sulfide sulfur. The regression analysis between total sulfur and sulfide sulfur has an $R^2 = 1.00$, and a slope of 0.94, indicating a good agreement between sulfide sulfur and total sulfur contents. This result suggests that most of the sulfur in the samples is likely present as sulfide and, consequently, that total sulfur contents are an appropriate approximation of sulfide sulfur.

However, 35 samples of all samples (42%) are below instrument detection limit, and are plotted at their detection limit, thus artificially increasing the sulfide sulfur to total sulfur ratio. Additionally four samples (two amphibolite, and two metasediment samples) stand out with high total sulfur contents (>3.5%) and sulfide to total sulfur ratios close to 1.0. Because of their offset position, these outliers tend to raise the slope closer to 1.

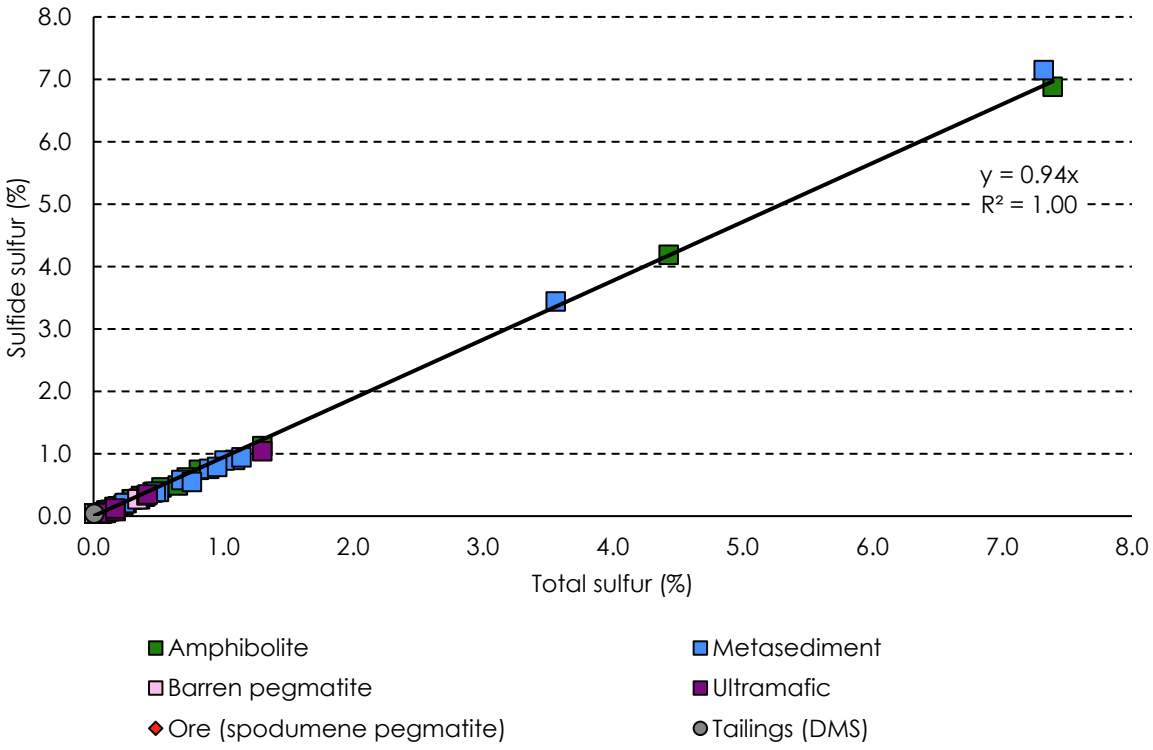

Figure 1: Relationship between sulfide sulfur and total sulfur

The acid leachable sulfur (or sulfate) plotted as a function of total sulfur presents a regression line slope of 0.17, and a correlation of R^2=0.83 when outliers are disregarded. This suggests that for samples with low total sulfur content, approximately 83% of the sulfur is non-leachable (sulfide) and is, therefore, susceptible to participating in AP. For the four samples with high sulfur contents, the relative proportion of acid leachable sulfur (or sulfate) is lower.

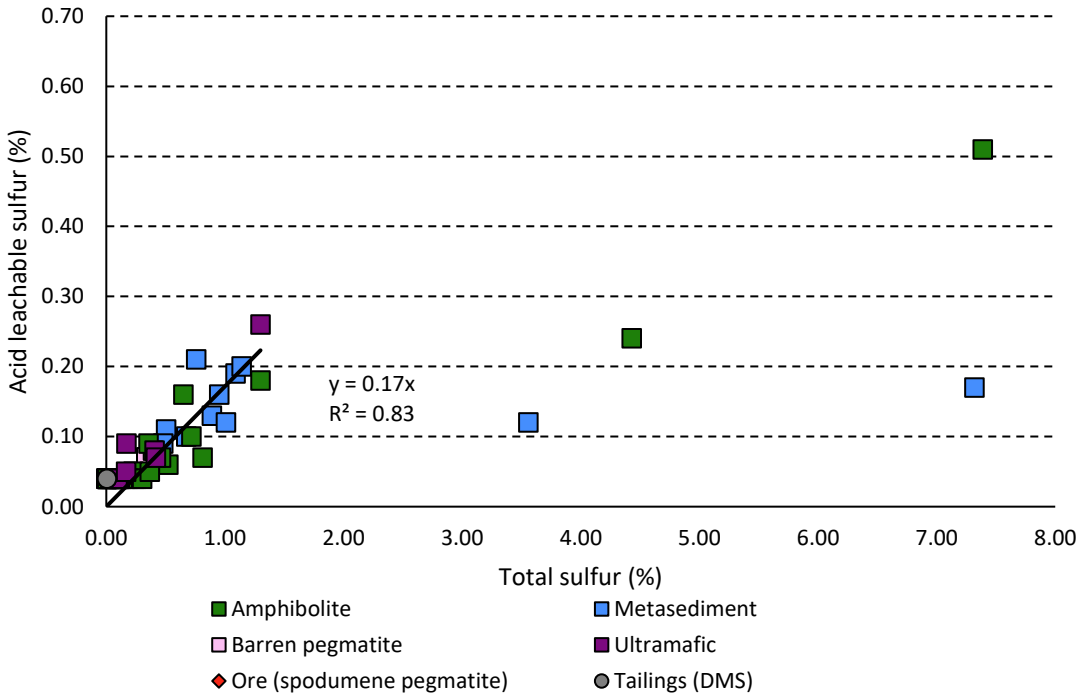

Figure 2: Relationship between acid leachable sulfur and total sulfur

All spodumene pegmatite and DMS tailings samples and 92% of the barren pegmatites present a total sulfur content below 0.04% and are de facto classified as NPAG, whereas solely 24% of the metasediment, 10% of the amphibolites, and none of the ultramafic samples showed total sulfur content below the 0.04% criterion (Table 4).

Table 4: Summary of samples presenting total sulfur concentration below 0.04% and corresponding portion to total

	n	<0.04% total sulfur (%)
All samples	**84**	**31**
Amphibolite	30	3
Metasediment	25	6
Barren pegmatite	13	12
Ultramafic	6	0
Ore (spodumene pegmatite)	8	8
DMS Tailings	2	2

3.1.2. Carbon Speciation Analysis

Relation between the CO_3 carbon and total carbon (Figure 3) is well correlated ($R^2 = 0.95$) and generally well below the 1:1 reference (dotted) line, with regression line slope of 0.66, suggesting that a significant portion of the carbon (34% in average) is not in the form of carbonate and does not participate to the NP of the material. Two ultramafic samples are considered outliers (>2% total C) and were excluded from the regression analysis.

The carbonate analysis by pyrolysis revealed that 25 samples were at or below instrument detection limits (0.025 or 0.04%, depending on the measurement) indicating negligible carbonate content in some of the samples. Samples containing carbonate below instrument detection limits were amphibolite (n=2; 6.7%), metasediment (n=7; 28%) and barren pegmatite (n=10; 77%) waste rocks, spodumene pegmatite ore (n=4; 50%), and tailings (n=2; 100%).

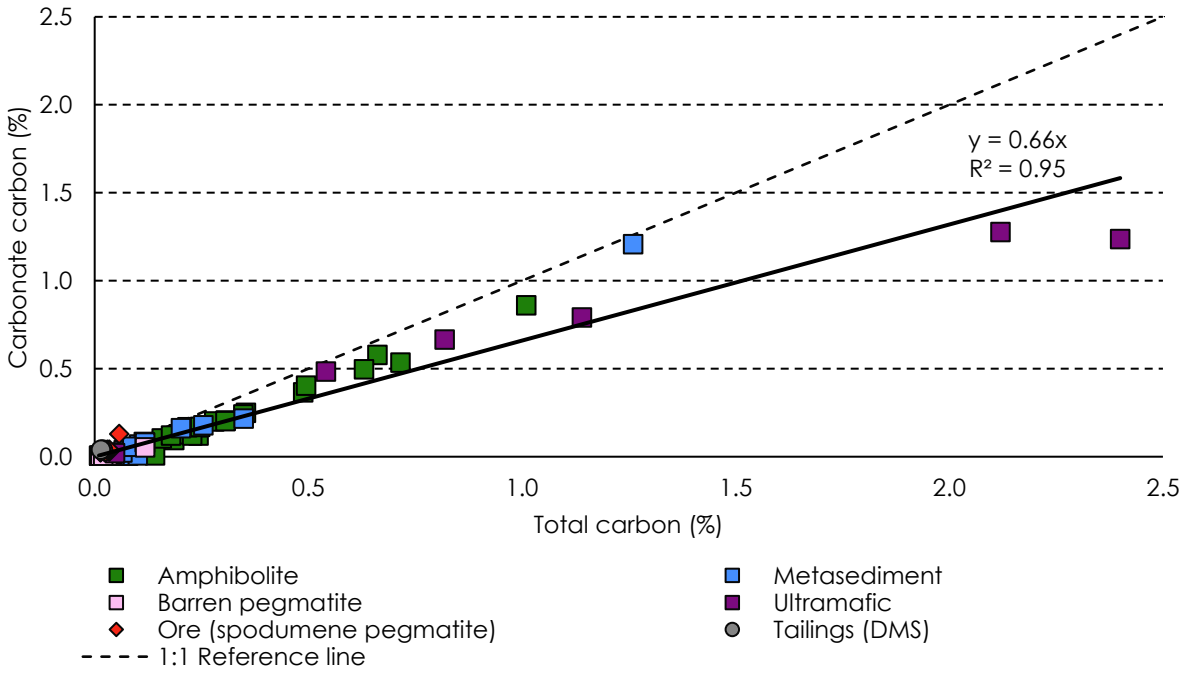

Figure 3: Relationship between carbonate carbon and total carbon

3.1.3. Neutralization and Acidification Potential Assessment

Figure 4 shows that despite some correlation between Bulk-NP, and CO_3-NP (R^2=0.51), most data points remain well below the reference (dotted) line, with a regression line slope of 0.40. This suggests that the neutralization potential of most samples is provided by mineral phases other than carbonates. In this regard the ultramafic samples appear to stand-out with an average CO_3-NP to bulk-NP ratio of 0.75, suggesting that carbonates play a more significant role in the neutralization potential of this lithology.

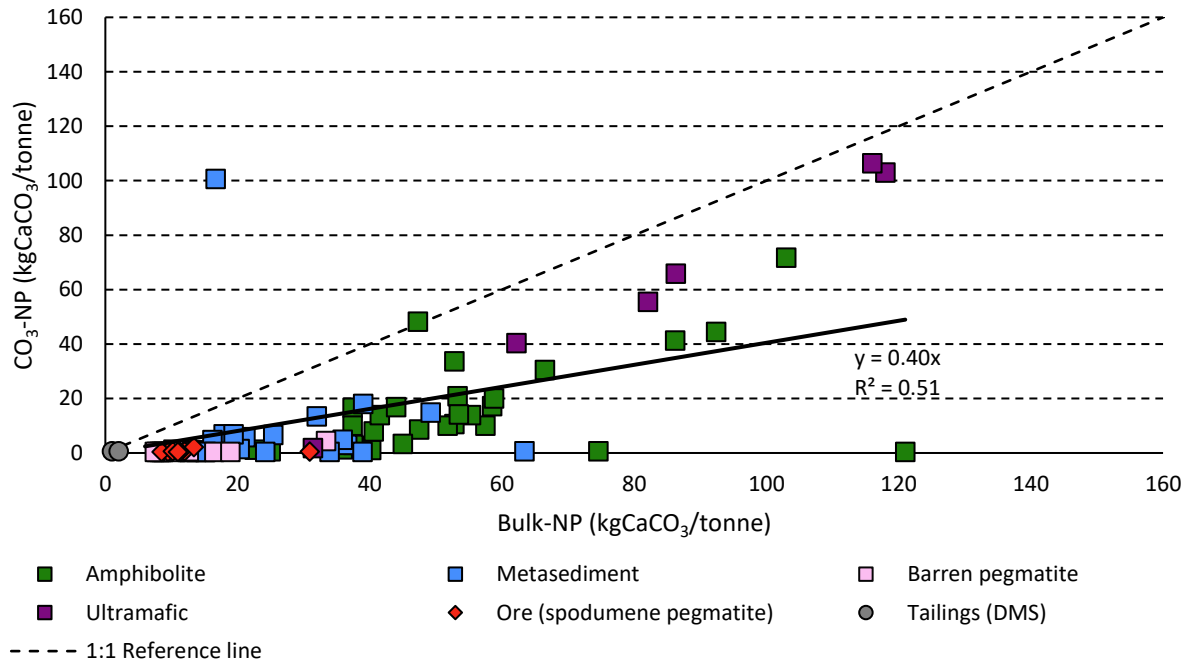

Figure 4: Relationship between bulk-NP and CO_3-NP

The graphic representation of bulk-NNP as a function of total sulfur (Figure 5) shows that all samples exceeding the NNP PAG criterion (NNP<20, green line) also exceed the NRP PAG criterion (NRP<2, orange line). However, numerous samples which respect the NRP criteria do not respect the NNP criteria. The NNP criterion is, therefore, more conservative.

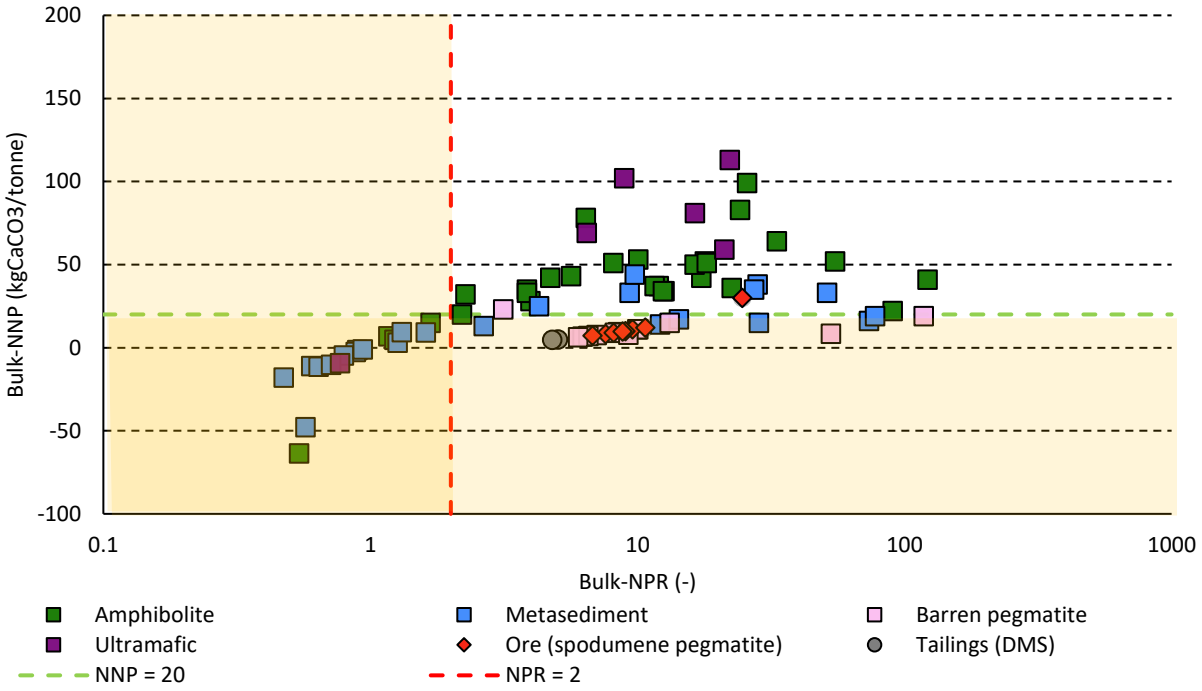

Figure 5: Graphic representation of bulk-NPR as a function of bulk-NNP

The graphic representation of NNP as a function of total sulfur (%) shows that several samples (n=26) were classified as NPAG on the basis of a total sulfur concentration below 0.04%, despite having a NNP below 20 (Figure 6). Moreover, total sulfur content appears to be an important driver as all samples with a content above 0.81% are classified PAG, and all samples with a content below 0.26% are classified as NPAG. Overall there are 20 samples falling within the PAG category "orange box" based on these two criteria.

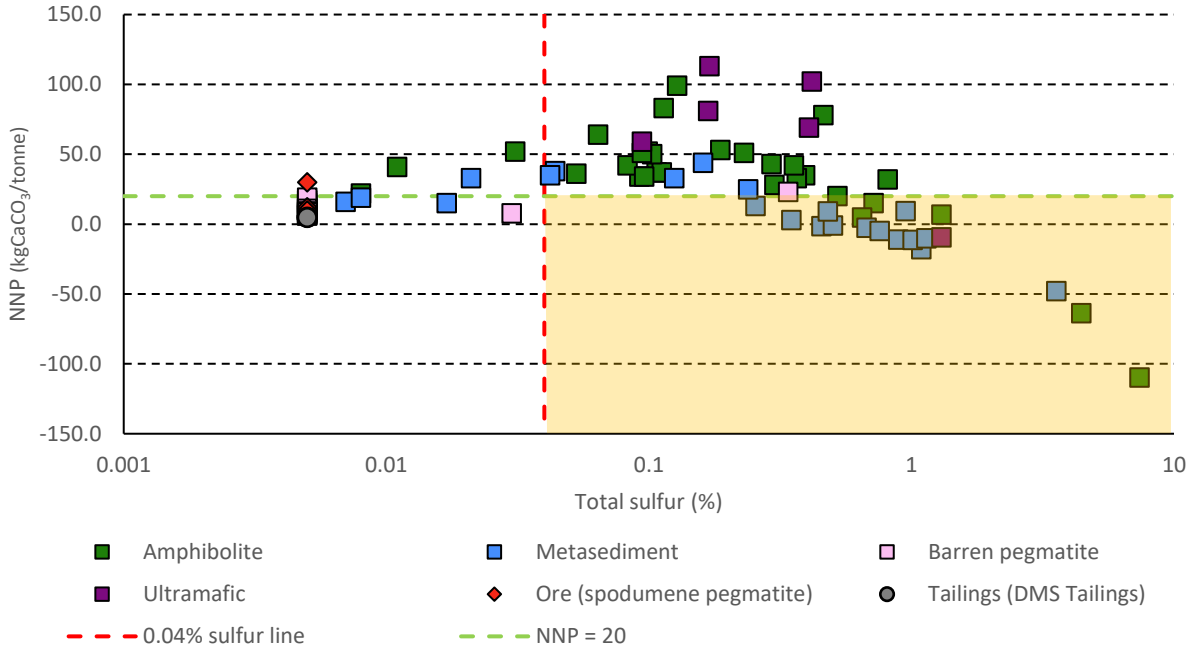

Figure 6: Graphic representation of NNP as a function of total sulfur

3.1.4. Summary and Interpretation

Results showed that total sulfur was a good, yet slightly conservative, predictor of AP with an average 83% of sulfur being in the form of sulfides.

On the other hand, solely 66% of total carbon on average was found to be in the form of carbonates likely to participate to the NP of the material. Moreover, CO_3-NP was found to be poorly correlated with bulk-NP, suggesting that a significant portion of the materials NP is associated with other minerals than carbonates such as silicates (e.g., olivine, feldspar, pyroxene, amphibole) (Lawrence and Scheske, 1997; Jambor et al., 2002). As a result of these observations total carbon as well as carbonate carbon appear to be poor predictors of NP. Should further static testing be carried out, the measurement of bulk-NP should remain the preferred approach.

Among the collected samples (n=84), a total of 20 were classified as PAG (Table 5). The amphibolite (n=6, 19%) and metasediment (n=13, 54%) waste rocks lithologies showed the highest proportion of PAG samples, whereas the ultramafic presented only one PAG sample, and the barren pegmatite did not present any. The ore and tailings samples were all classified as NPAG based because of their negligible total sulfur contents (<0.04%). Table 5 summarizes the number of samples classified as PAG per type of lithology.

Table 5: Summary of the classification of samples as PAG or NPAG and the proportion of samples classified as PAG or NPAG

Lithology	n	Number of PAG samples	Proportion of PAG samples (%)
Amphibolite	30	6	19
Metasediment	25	13	54
Barren pegmatite	13	0	0
Ultramafic	6	1	17
Ore (spodumene pegmatite)	8	0	0
DMS Tailings	2	0	0

3.2. Metal(loid) Leaching Potential

The results of the leaching tests conducted on the selected samples were evaluated with regards to the MELCCFP guidelines.

In order to highlight potential metal(loid) enrichments of the materials, the Aqua Regia environmentally available contents results were compared to the average continental crust concentration (Rudnick and Gao, 2014) as well as to the background contents of the Superior geological province provided in Annex 1 of the *Guide d'intervention - protection des sols et réhabilitation des terrains contaminés* of the MELCCFP.

As stated earlier, it should be noted that terrestrial crust average contents refer to total content (total digestion) and extractible contents refer to partial content (partial digestion) and, therefore, comparisons require precaution. However, extractible contents can be compared with soil Criteria A presented in MELCCFP (2021) « *Guide d'intervention – Protection des sols et rehabilitation des terrains contaminés* ».

The SPLP and CTEU-9 leach test results were compared to the *Critères de qualité pour la protection de la vie aquatique – effet aigu* (CVAA) from the Critères de qualité des eaux de surface (CQES) provided by the MELCCFP. The regulatory values for certain elements (e.g., cadmium (Cd), manganese (Mn)) depend on the hardness of the receiving water system, whereas for aluminium (Al) it also depends on the dissolved organic carbon (DOC concentration and on the pH. The regulation values were calculated assuming a DOC concentration of 10 mg/L, a pH of 6, and a hardness of 10 mg/L.

The TCLP leach tests results were compared to the Directive019 – annexe 2 on the characteristics of (high risk) mine residues.

Tables summarizing the leaching test results and regulations are provided in Appendix D.

3.2.1. Aqua Regia Environmentally Available Contents

A comparison of the elements with respect to the average continental crust content gives insight of metal(loid) enrichments in relation to natural background contents (Table 6 and Figure 7).

The elements most enriched with respect to continental crust are summarized in Table 6. Arsenic (As) was the most enriched (37% of samples) with respect to crustal content, mostly within the amphibolite (n=10) and metasediment (n=10), and ultramafic (n=6) waste rocks. Antimony (Sb) and lithium (Li) were also highly enriched (26% of samples). Sb enrichment was observed in the amphibolite (n=7), barren pegmatite (n=4) and ultramafic (n=5) waste rocks. Lithium was most abundant in the metasediment waste rocks (n=12).

Since the arsenic, antimony and lithium contents measured by Aqua Regia represent only a portion of the total content, exceedances of the terrestrial crust average content are likely to be greater and present in more samples.

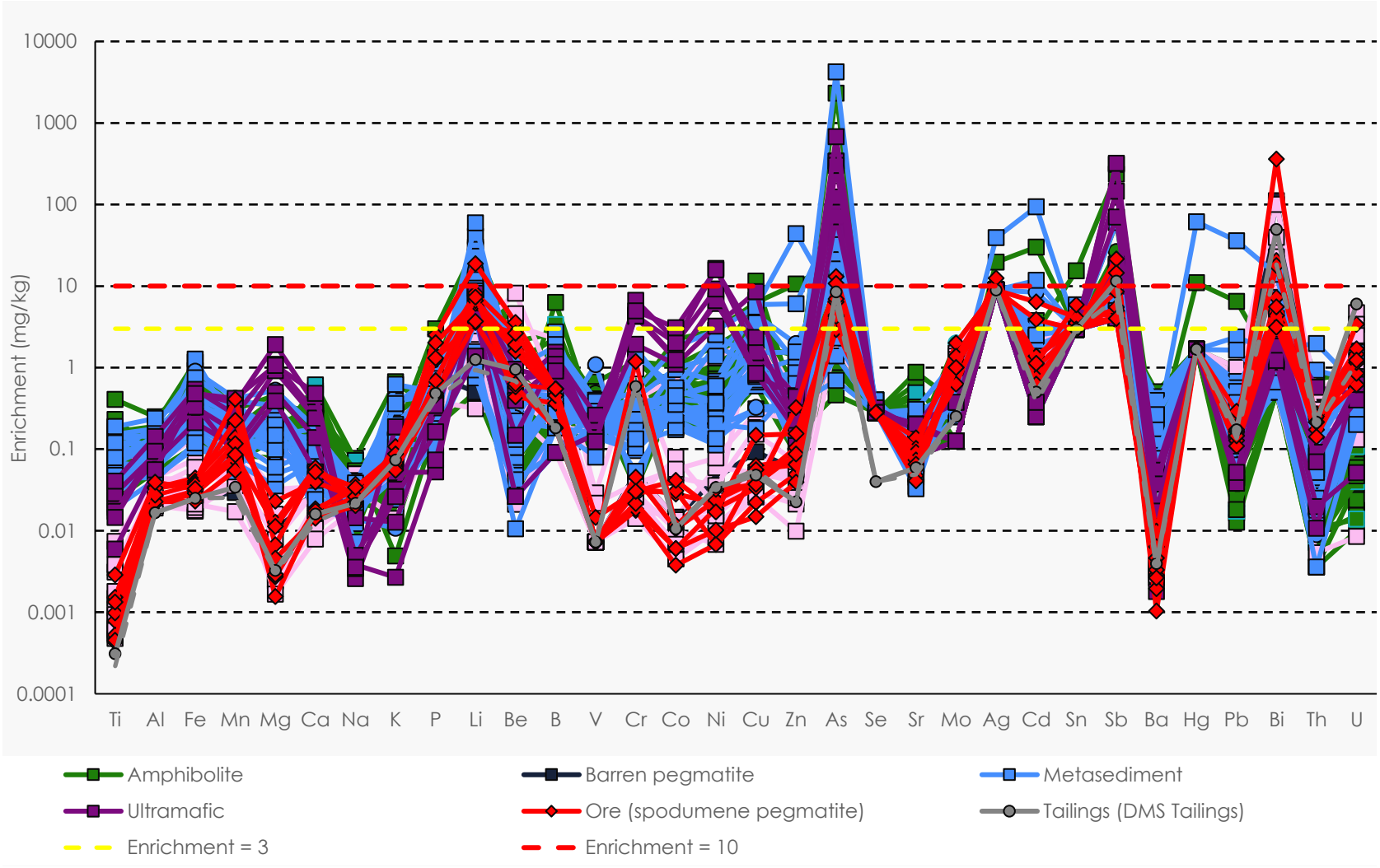

Figure 7: Graphic representation of metal(loid)s relative enrichment with respect to the average continental crust contents

Table 6: Summary of samples exceeding 10 times the average continental crust contents per lithology

		Ag	As	Bi	Cd	Cu	Hg	Li	Ni	Pb	Sb	Sn	Zn
Continental crust content (ppm, Rudnick and Gao. 2014)		**0.056**	**1.3**	**0.18**	**0.08**	**27**	**0.03**	**16**	**59**	**11**	**0.2**	**1.7**	**71**
	n												
Enriched (≥10 times the continental crust)	84	3	31	15	3	1	2	22	2	1	22	1	2
Amphibolite	30	1	10	1	1	1	1	9	0	0	7	1	1
Metasediment	25	1	10	1	2	0	1	12	0	1	3	0	1
Barren pegmatite	13	0	3	8	0	0	0	0	0	0	4	0	0
Ultramafic	6	0	6	0	0	0	0	0	2	0	5	0	0
Ore (spodumene pegmatite)	8	1	2	3	0	0	0	1	0	0	2	0	0
Tailings	2	0	0	2	0	0	0	0	0	0	1	0	0
Total % enriched		**3.6**	**37**	**18**	**3.6**	**1.2**	**2.4**	**26**	**2.4**	**1.2**	**26**	**1.2**	**2.4**

Arsenic (As) was the metal(loid) which presented the most exceedances with regards to the MELCCFP Criteria A for soil quality, with 56 occurrences (67%), followed by copper (Cu; 31%), nickel (Ni; 24%), tin (9.5%), cobalt (Co; 8.3%), silver (Ag; 3.6%), cadmium (Cd; 3.6%), zinc (Zn; 3.6%), mercury (Hg; 2.4%), and lead (Pb; 2.4%). A comprehensive inventory of the number of exceedances per lithology and material types is presented in Table 7.

Table 7: Summary of Aqua Regia results exceeding the Criteria A

		Ag Exceedance	As Exceedance	Cd Exceedance	Co Exceedance	Cu Exceedance	Hg Exceedance	Ni Exceedance	Pb Exceedance	Sn Exceedance	Zn Exceedance
Criteria A (mg/kg); *Critères Génériques pour les sols, Guide d'intervention – protection des sols et réhabilitation des terrains contaminés – annexe 1*)		**0.5**	**5**	**0.9**	**30**	**65**	**0.3**	**50**	**40**	**5**	**150**
	n										
Total exceedance	**84**	**3**	**56**	**3**	**7**	**26**	**2**	**20**	**2**	**8**	**3**
Amphibolite	30	1	18	1	1	18	1	9	1	1	1
Metasediment	25	1	12	2	1	5	1	4	1	3	2
Barren pegmatite	13	0	11	0	0	2	0	1	0	1	0
Ultramafic	6	0	6	0	5	1	0	6	0	0	0
Ore (spodumene pegmatite)	8	1	7	0	0	0	0	0	0	3	0
DMS Tailings	2	0	2	0	0	0	0	0	0	0	0
Total % exceedance		**3.6%**	**67%**	**3.6%**	**8.3%**	**31.0%**	**2.4%**	**24%**	**2.4%**	**9.5%**	**3.6%**

3.2.2. SPLP and CTEU-9 Leach Tests

The pH results measured in leachates from the SPLP leach tests ranged from 6.5 to 9.2, and remained within the surface water quality guidelines for mine effluent (6.0 to 9.5) for chronic exposure of the CQES (MELCCFP). The metal(loid)s that presented exceedances with regards to the resurgence criteria (RES) comprised aluminium (Al; 81%), copper (Cu; 16%), zinc (Zn; 14.3%), cadmium (Cd; 16%) and arsenic (As; 4.8%). The details of the exceedances met by lithology and material type are presented in Table 8.

Table 8: Summary of samples presenting SPLP leach test results exceeding RES criteria and soil quality Criteria A

		As Exceedance	Al* Exceedance	Cd† Exceedance	Cu† Exceedance	Zn† Exceedance
RES criteria (mg/L; MELCCFP Criteria for aquatic life protection - acute effect)		**0.34**	**0.28**	**0.0002**	**0.0016**	**0.017**
	n					
Total rock types	**84**	**4**	**68**	**7**	**13**	**12**
Amphibolite	30	1	29	0	3	3
Metasediment	25	1	23	2	2	2
Barren pegmatite	13	0	10	2	4	3
Ultramafic	6	2	0	0	0	0
Ore (spodumene pegmatite)	8	0	6	1	2	2
Tailings	2	0	0	2	2	2
Total % of Exceedance		**4.8**	**81**	**8.3**	**16**	**14**

* Criteria calculated assuming a DOC concentration of 10 mg/L, a pH of 6, and a hardness of 10 mg$CaCO_3$/L

† Criteria calculated assuming a hardness of 10 mg$CaCO_3$/L

The pH results obtained from CTEU-9 leach tests were comprised between 8.0 to 9.8, with six samples exceeding the upper limit for pH of 9.5. The CTEU-9 leach tests yielded more elements for concern than the SPLP leach test (Table 9).

Table 9: Summary of samples presenting CTEU-9 leach test results exceeding RES criteria and soil quality Criteria A

		Al* Exceedance	As Exceedance	Be† Exceedance	Cu† Exceedance	Li† Exceedance	Ni† Exceedance	Pb† Exceedance	Sb Exceedance	V Exceedance	Zn† Exceedance
RES criteria (mg/L; MELCCFP Criteria for aquatic life protection - acute effect)		**0.28**	**0.34**	**0.0012**	**0.0016**	**0.91**	**0.067**	**0.004**	**1.1**	**0.11**	**0.017**
	n										
Total number of samples	**84**	**64**	**36**	**11**	**23**	**27**	**2**	**1**	**5**	**3**	**4**
Amphibolite	30	23	5	0	2	7	0	0	1	1	0
Metasediment	25	18	11	0	6	8	0	0	0	1	1
barren pegmatite	13	13	5	6	9	4	0	1	0	1	1
Ultramafic	6	0	6	0	2	0	2	0	4	0	0
Ore (spodumene pegmatite)	8	8	7	5	2	8	0	0	0	0	0
Tailings	2	2	2	0	2	0	0	0	0	0	2
Total % exceedance		**76**	**43**	**13**	**27**	**32**	**2.4**	**1.2**	**6.0**	**3.6**	**4.8**

* Criteria calculated assuming a DOC concentration of 10 mg/L, a pH of 6, and a hardness of 10 mg$CaCO_3$/L

† Criteria calculated assuming a hardness of 10 mg$CaCO_3$/L

The greater number of metal(loid)s leached from the CTEU-9 extraction than for the SPLP extraction may be explained by the finer particles grinding and longer extraction time (7 days vs. 18 hours) employed as part of the CTEU-9 extraction procedure compared to the SPLP one. It is also known that arsenic is more labile at higher pH.

3.2.3. TCLP Leach Tests

The TCLP leach test pH measurements ranged from 4.9 to 7.1, and 79 leachates showed a pH below 6. Arsenic (As) was the only element from the TCLP leach tests that was identified as a COPC with regards to the Directive 019 criteria for high-risk mining waste (Table 10), and both of the identified exceedances were from the ultramafic waste rock samples.

Table 10: Summary of TCLP leach test results exceeding Directive 019 criteria for high-risk mining waste

		As Exceedance
High risk criteria (mg/L, *Directive 019 – annexe 2*)		**5.0**
	n	
Total number of samples	**84**	**2**
Amphibolite	30	0
Metasediment	25	0
Barren pegmatite	13	0
Ultramafic	6	2
Ore (spodumene pegmatite)	8	0
Tailings	2	0
Total % exceedance		**2.4**

3.2.4. Summary and Interpretation

A summary of the enriched metal(loid)s and COPC identified from the various leaching tests conducted as part of the static test study is presented in Table 11.

The Aqua Regia extractible content analysis have allowed the identification of a wide range of enriched metal(loid)s with regards to the (10 times) continental crust total contents Criteria A and the Superior geological province background extractible content, and in both cases arsenic (As) was identified as the most enriched COPC.

The SPLP and CTEU-9 leaching tests conducted on the samples partially reflected the enrichments measured with the Aqua Regia extractible content analysis, but also highlighted aluminium (Al) as a main leaching potential concern. Arsenic (As) was especially identified as a concern for the CTEU-9 test with 64 exceedances (76%) as opposed to four exceedances (4.8%) for the SPLP test, thus suggesting that the particle size and pH has an important impact on the mobility of this element. Moreover, arsenic exceedances were observed for all lithologies and material types, but was particularly apparent in the ultramafic samples (100%), the tailings (100%), and the spodumene pegmatite ore material (88%).

Finally arsenic was the only COPC identified from the TCLP leach test with the only two occurrences being from the ultramafic samples (n=6; 33%).

The HCT protocol was designed on the basis of these results in order to establish if the identified exceedances can be confirmed through kinetic analysis.

Table 11: Summary of enriched metal(loid)s and COPCs from the various leaching test procedures

Extraction test procedure	Criterion	Exceeding metal(loid)s ranked by occurrence
Aqua regia	10 times continental crust content	As, Li, Sb, Bi, Ag, Cd, Hg, Ni, Zn, Cu, Pb
	MELCCFP Superior geological province background contents	As, Cu, Ni, Sn, Co, Ag, Cd, Zn, Hg, Pb
SPLP	MELCCFP criteria for aquatic life protection (acute effect) and Criteria A	Al, Cu; Zn, Cd, As
CTEU-9	MELCCFP criteria for aquatic life protection (acute effect) and Criteria A	Al, As, Li, Cu, Be, Sb, Zn, V, Ni, Pb
TCLP	Directive 019 – High risk criteria	As

3.3. Kinetic Testing

Kinetic testing was run on a set of 17 samples (+1 duplicate) for a duration exceeding 40 weeks and are still on-going in May 2024. The results presented in this report apply to the first 40 weeks.

The samples were selected on the basis of the static test results in order to include the various lithologies and material types and cover a wide range of acid generation and metal leaching potential. The chemical parameters presented and interpreted in this section include:

- Physicochemical criteria such as pH, and electric conductivity (conductivity);
- Oxidation and neutralization products concentrations including sulfate, calcium, and magnesium;
- The concentrations of the COPCs identified as part of static testing including aluminium (Al), arsenic (As), beryllium (Be), cadmium (Cd), copper (Cu), lithium (Li), nickel (Ni); lead (Pb), antimony (Sb), vanadium (V), zinc (Zn), and total phosphorus (total P).

Summary tables from laboratory analysis results are presented in Appendix E, and the kinetic testing certificates of analyses are recorded in Appendix B.

3.3.1. Kinetic Testing Results

Figure 8 displays the kinetic variation of the physicochemical parameters namely pH (a), EC (b).

a. The figure shows a progressive decrease of the pH measurements during the first 20 weeks with values ranging from 7.37 to 9.09 at Week 0, and from 6.38 to 7.91at Week 20, and appearance of stabilization during the second half of the monitoring period. Despite this decrease, pH values from all HCT remain within the regulatory range of the MDMER and the Directive 019 (6 to 9.5; orange dotted lines). The DMS tailings appear to stand-out with overall lower pH reading throughout the monitoring.
b. The conductivity readings display rapid decreasing trend of variable amplitudes during the first weeks for some of the tests with, for instance, values going from 164 µS/cm and 154 µs/cm, down to 59 µS/cm and 14 µS/cm at Week 4, for CV5-WR-HCT-50, and CV5-WR-HCT-74, respectively. This initial conductivity peak is believed to be associated with the dissolution and release of elements associated with secondary mineral phases during the first flushes. Starting from Week 5, the conductivity readings remained fairly stable throughout the whole monitoring period. The DMS tailings display overall lower conductivity.

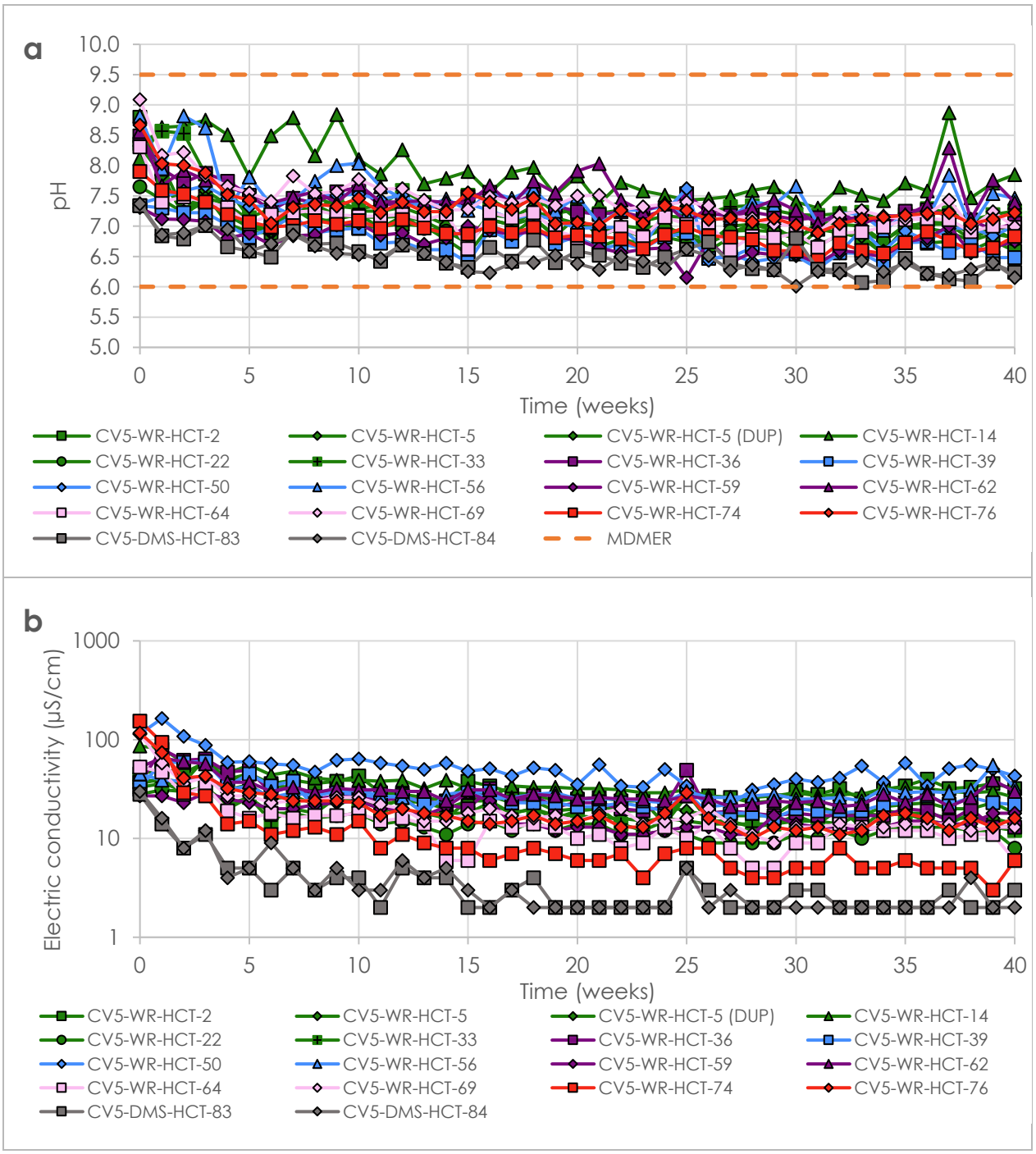

Figure 8: Conductivity and pH evolution in kinetic tests

The graphs displayed in Figure 9 present the alkalinity (a) and acidity (b) measurements monitored throughout the 40 weeks of HCT.

a. The alkalinity readings generally followed a decreasing trend during the first weeks of the test until, eventually, reaching equilibrium at various points of the monitoring period. Both DMS tailings tests (CV5-DMS-HCT-83, and CV5-DMS-HCT-84) decreased from 6 mg/L at Week 0 down to detection limit (2 mg/L) within 4 weeks, while CV5-WR-HCT-14 decreases from 22 mg$CaCO_3$/L at the beginning of the test and reached pseudo-equilibrium in the range of 13 mg/L at Week 20.
b. The acidity measurements essentially remained below detection limit (2 mg$CaCO_3$/L) for all HCTs, despite some concentration variations within the 2 to 10 mg$CaCO_3$/L range throughout the experiment. CV5-WR-HCT-2, and CV5-WR-HCT-50 remained above the detection limit more consistently.

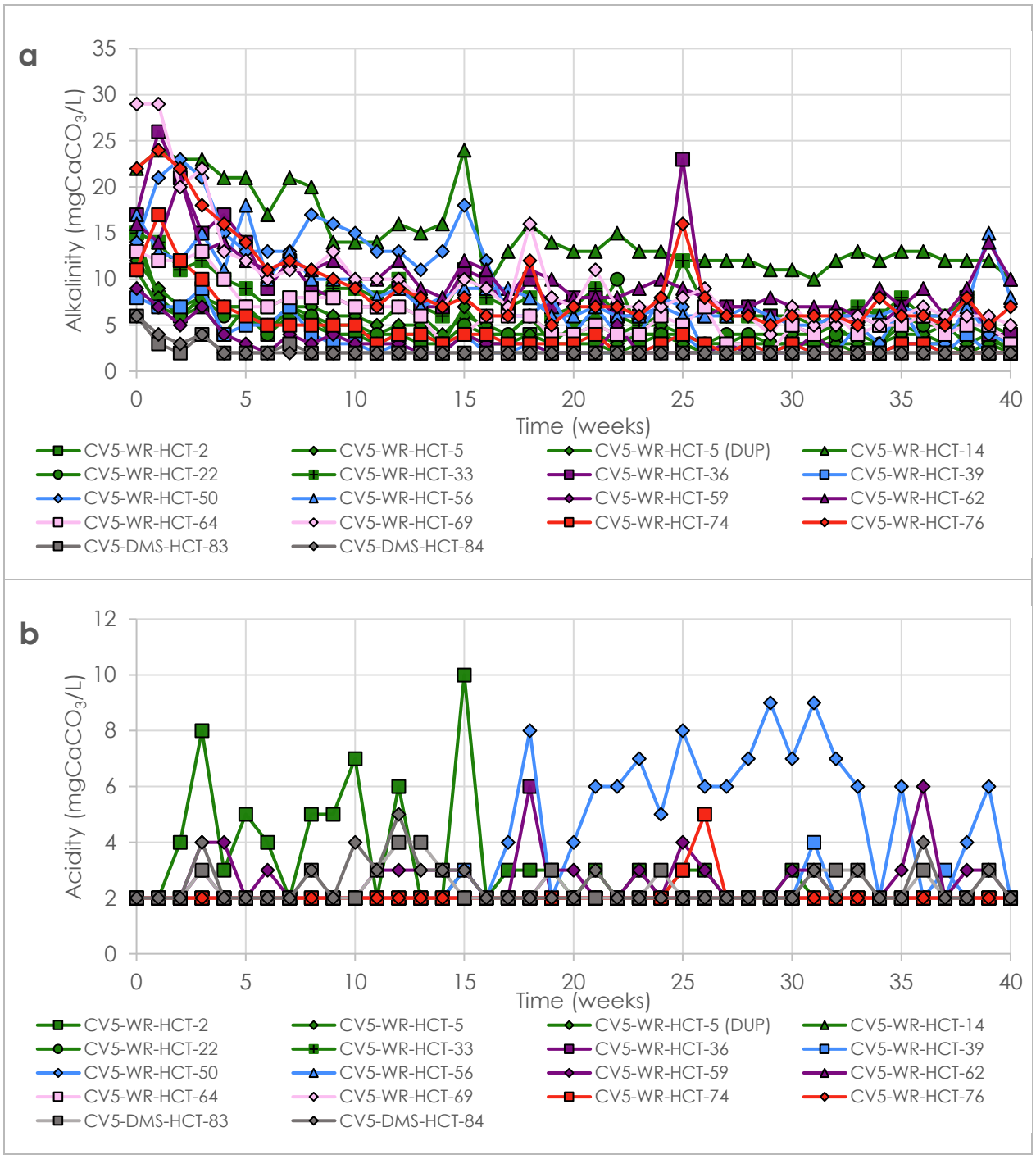

Figure 9: Evolution of alkalinity and acidity in kinetic tests

The graphs presented in Figure 10 display the monitoring of the neutralization and oxidation products concentrations throughout the experiment, namely calcium (a) and magnesium (b) on one hand, and sulfate (c) on the other hand. The trends of these elements were fairly similar between tests, and tended to follow a slow and steady trend decrease after a slight peak observed during the initial flushes. It should be highlighted that the DMS tailings present lower concentrations for all of these elements suggesting that oxidation and neutralization phenomena are taking place at a lower rate in these materials.

a. Calcium concentrations range from 16 mg/L to 0.29 mg/L, depending on the tested sample, and appear relatively highest in metasediments and smallest in the DMS tailings than for other lithologies. Moreover, the calcium concentrations are generally about an order of magnitude above magnesium's, suggesting that calcite is the dominant carbonate specie in terms of neutralization rate.
b. The magnesium concentrations range from 5.73 mg/L to 0.01 mg/L and appear more prominent among the ultramafic samples and smallest in the case of the DMS tailings.
c. The sulfate concentrations of most HCTs remained near or below detection limit (2 mg/kg/L) throughout the whole test, indicating relatively low sulfide oxidate rates, especially in the case of the barren pegmatite, the spodumene pegmatite (ore), and the DMS tailings. On the other hand, The sulfate concentrations appear to be greater in the case of the metasediment, followed by the amphibolite, and the ultramafic lithologies. Low sulfate concentrations indicate that potential presence of PAG material in the static tests is not confirmed in more representative kinetic tests.

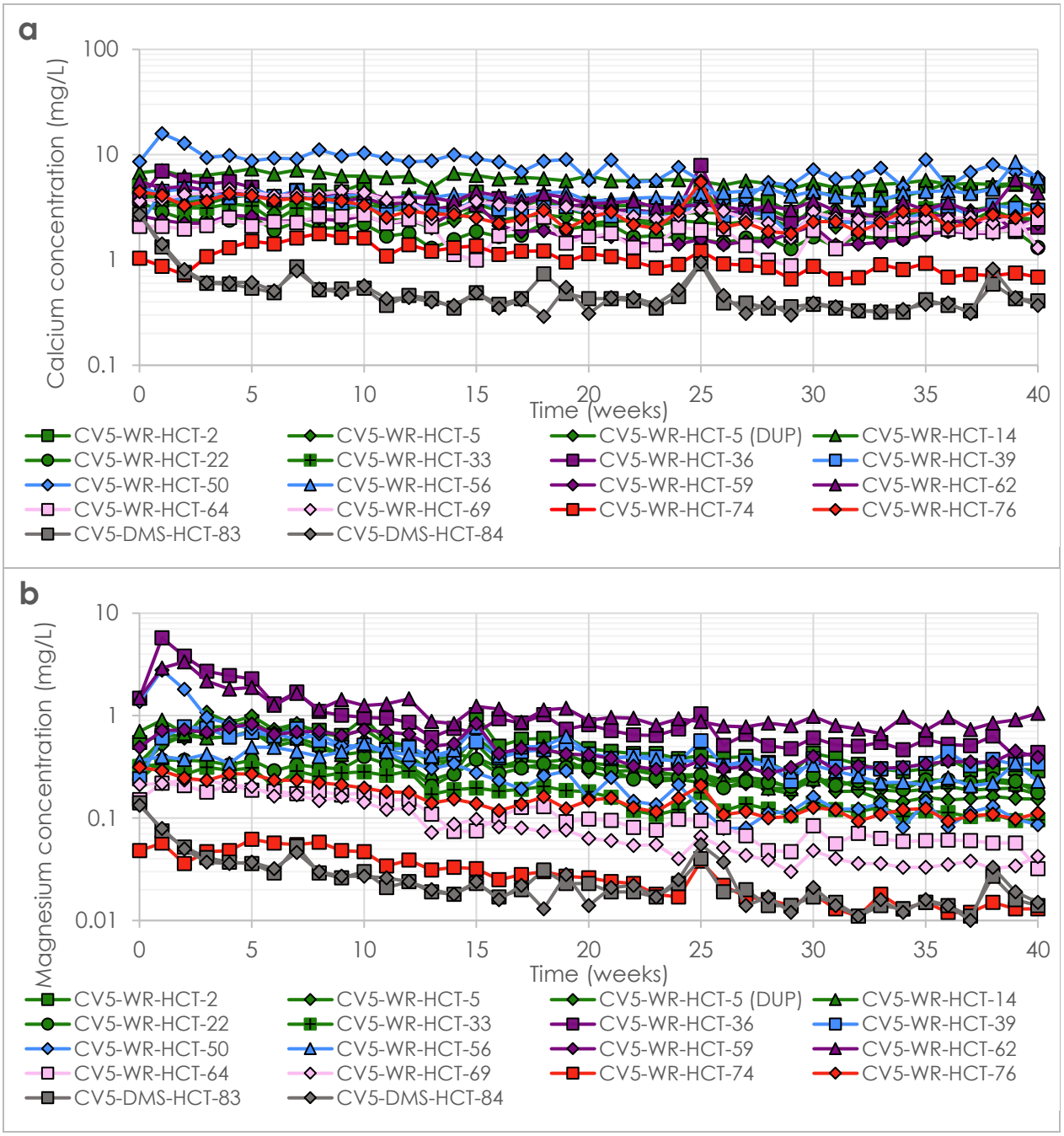

Figure 10: Evolution of oxidation and neutralization products concentration in kinetic tests (1 of 2)

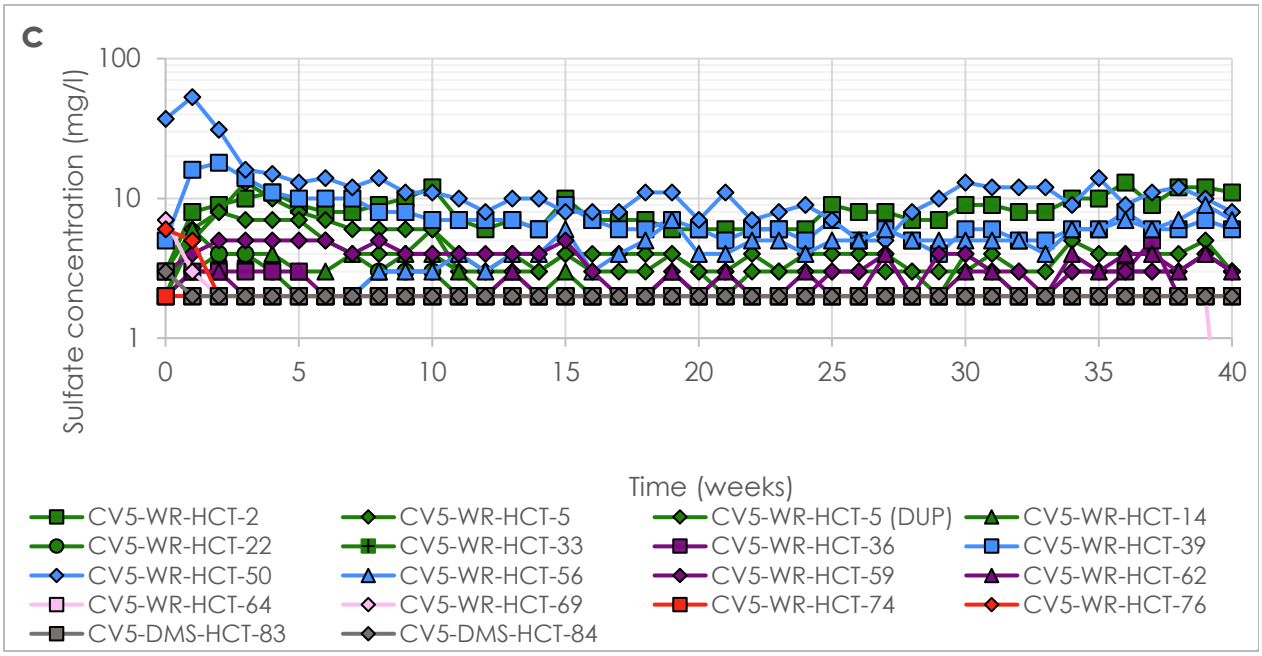

Figure 11: Evolution of oxidation and neutralization products concentration in kinetic tests (2 of 2)

The graphs presented in Figure 12 to Figure 17 present the HCT results of the COPC that were identified as part of the leaching tests. For all COPC the MELCCFP resurgence criterion is identified by a yellow dotted line, and the MDMER effluent criterion (As, Cu, Ni, Pb, Zn) is identified by an orange dotted line. The Directive 019 criteria were not represented on the graphs as they are less conservative than their MDMER counterparts.

a. Aluminium concentrations remained below the MELCCFP resurgence criterion (0.30 mg/L) throughout the whole test, despite some relatively high values, notably in the case of a barren pegmatite sample (CV5-WR-HCT-69) which ranged from 0.12 to 0.28. The aluminium concentrations were lowest in the ultramafic samples HCTs.

b. The arsenic concentrations ranged from 19.6 to 0.0024 mg/L, depending on the tested sample and flush, and have been on an overall decreasing trend after the initial peak. The MELCCFP resurgence criterion (0.34 mg/L) and/or MDMER criterion (0.1 mg/L) were exceeded consistently by leachates from the ultramafic samples (CV5-WR-HCT-36, CV5-WR-HCT-59, and CV5-WR-HCT-62) and to a lesser extent by amphibolite samples (CV5-WR-HCT-5, and CV5-WR-HCT-22). Additionally, some barren pegmatite samples (CV5-WR-HCT-64, and CV5-WR-HCT-69), and spodumene pegmatite samples (ore; CV5-WR-HCT-74) exceeded at least one of these criteria during the first flushes.

c. The beryllium concentrations measured for most tests remain rear or below detection limit (7×10^{-6} mg/L), and remain fairly stable after the peak associated with the first flushes. All

measurements are below the MELCCFP resurgence criterion. Highest values are measured in barren pegmatite samples (CV5-WR-HCT-64, and CV5-WR-HCT-69) and spodumene pegmatite samples (CV5-WR-HCT-74, and CV5-WR-HCT-76).

d. The measured cadmium concentrations are mostly near or below detection limit (3×10^{-6} mg/L) and below MELCCFP resurgence criterion. Measurements remain fairly stable throughout the test. Highest values are measured among metasediment samples (CV5-WR-HCT-39, and CV5-WR-HCT-50).

e. Copper concentration measurements from all lithologies and material types punctually exceed the MELCCFP resurgence criterion (0.0016 mg/Ll) with a total of 20 occurrences, but remain way below the MDMER criterion (0.1 mg/L). It should also be mentioned that all lithologies and material types also present a significant proportion of concentration values near or at detection limit. The importance of oscillation of the measurement and apparent randomness of the observed spikes and exceedances, could potentially be explained by the proximity of the measurements, and MELCCFP criterion to limit of quantification of the method.

f. The lithium concentrations follow a decreasing trend throughout the test with values ranging from 0.918 to 0.0019 mg/L at Week 0 and which seem to converge towards equilibrium near the end of the test, with values ranging from 0.0006 to 0.0078 mg/L at Week 40. One occurrence of exceedance of the MELCCFP resurgence criterion (0.91 mg/L) was recorded at Week 1 for a spodumene pegmatite sample (CV5-WR-HCT-74). Generally speaking, the ore samples followed by the amphibolites, the metasediments and the barren pegmatites appear to leach the most lithium while the ultramafic lithology and the DMS tailings appear to leach the least.

g. The nickel concentrations appear relatively constant after a peak observed for some ultramafic samples during the initial flushes. A total of six exceedances of the nickel MELCCFP resurgence criterion (0.067 mg/L) were noted and concern the ultramafic lithology (CV5-WR-HCT-36, CV5-WR-HCT-62) exclusively. DMS tailings and ore samples' nickel concentrations remain mostly at detection limit (0.0001 mg/L).

h. Most lead concentrations remain at detection limit (9×10^{-6} mg/L), and below the MELCCFP resurgence (0.04 mg/L) and MDMER (0.08 mg/L) criteria throughout the test.

i. The antimony concentrations ranged from 3.14 mg/L to detection limit (0.0009 mg/L) depending on samples, and appeared to follow an overall decreasing trend after the peak observed consecutively to the initial flushes. The MELCCFP groundwater protection criteria (1.1 mg/L) is exceeded consistently, for a total of 25 occurrences, by the leachate concentrations of two ultramafic samples (CV5-WR-HCT-36, CV5-WR-HCT-62) during the first weeks. One metasediment sample (CV5-WR-HCT-56) remained near or at detection limit throughout the test.

j. The vanadium concentrations remained well below the MELCCFP groundwater protection criterion throughout the test, and appear to follow a slow decreasing trend until Week 25,

before reaching a pseudo-equilibrium at values ranging from detection limit (1×10^{-6} mg/L) to 0.00262 mg/L, depending on the considered sample. Overall, the amphibolites, followed by the ultramafic and the metasediment lithologies, appear to leach the most vanadium, while the DMS tailings, and the barren and spodumene pegmatite (ore) materials appear to leach the least.

k. Most zinc concentration measurements remain near or at detection limit (0.002 mg/L). No exceedance of the MELCCFP resurgence criterion (0.017 mg/L) or MDMER criteria (0.4 mg/L) was recorded, although a few near-exceedances can be observed for a few samples, notably one metasediment (CV5-WR-HCT-50), as well as one DMS tailings (CV5-WE-HCT-83), and one barren pegmatite (CV5-WR-HCT-64) sample.

l. Most total phosphorous concentration readings remain near or at detection limit (0.03 mg/L), however a few samples presented higher total phosphorous concentration, notably the ultramafic samples with four noted exceedances (CV5-WR-HCT-36) of the MELCCFP resurgence criterion (3 mg/L) before Week 5. The samples with relatively high total phosphorous concentration, however, follow a decreasing trend with maximum final concentrations of 0.30 mg/L.

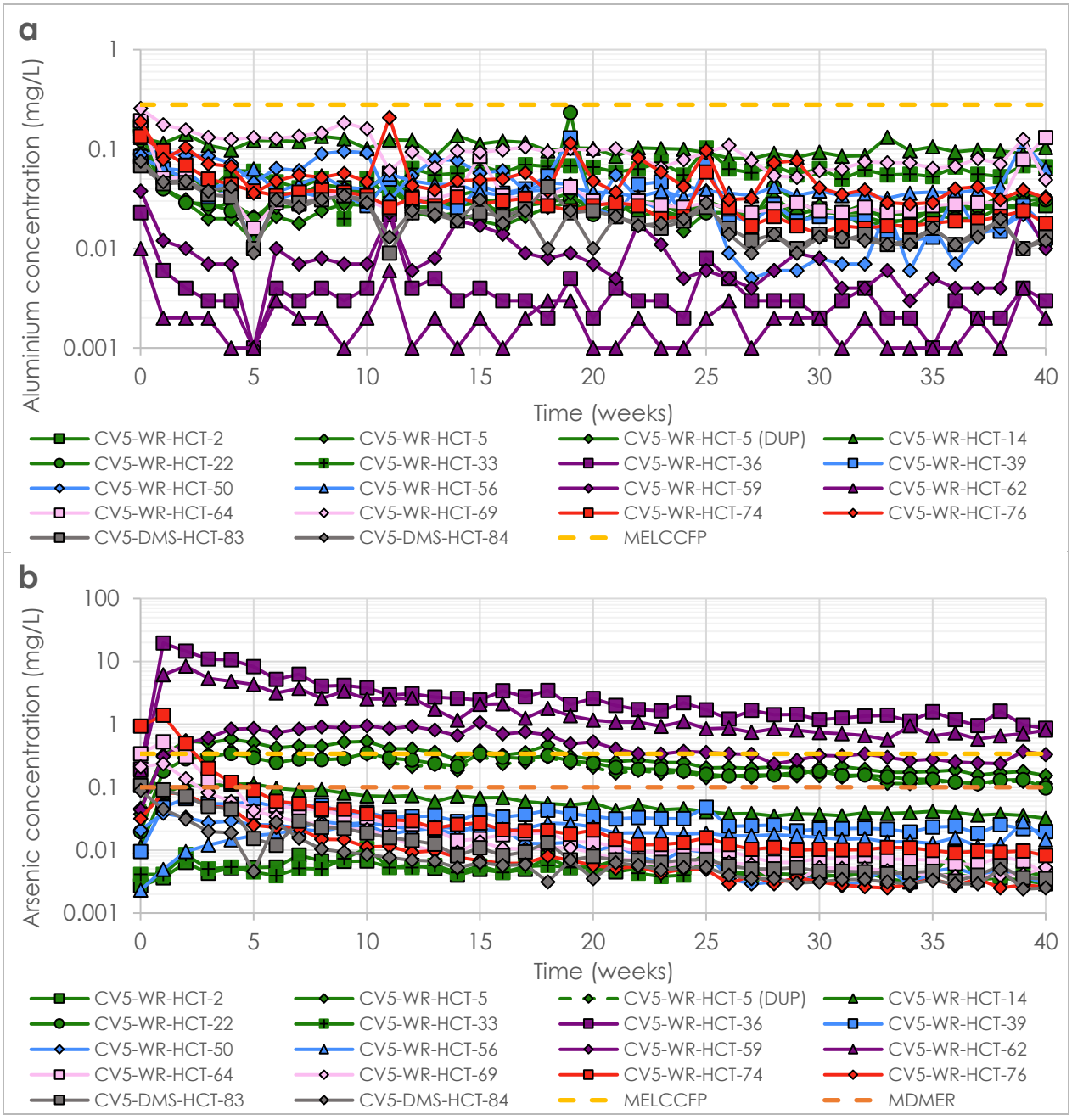

Figure 12: Graphic representation of the COPCs' concentration in kinetic tests (1 of 6)

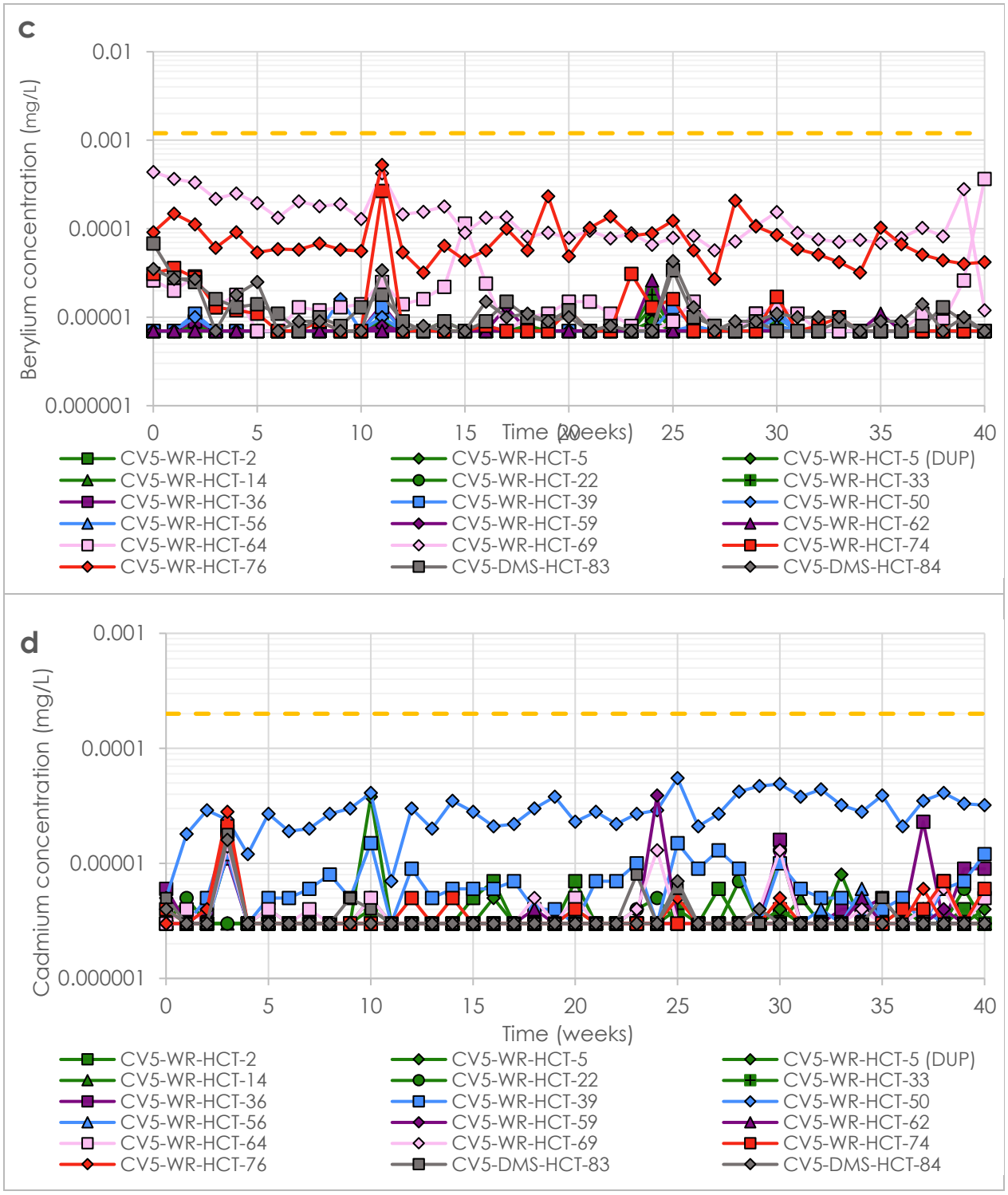

Figure 13: Graphic representation of the COPCs' concentration in kinetic tests (2 of 6)

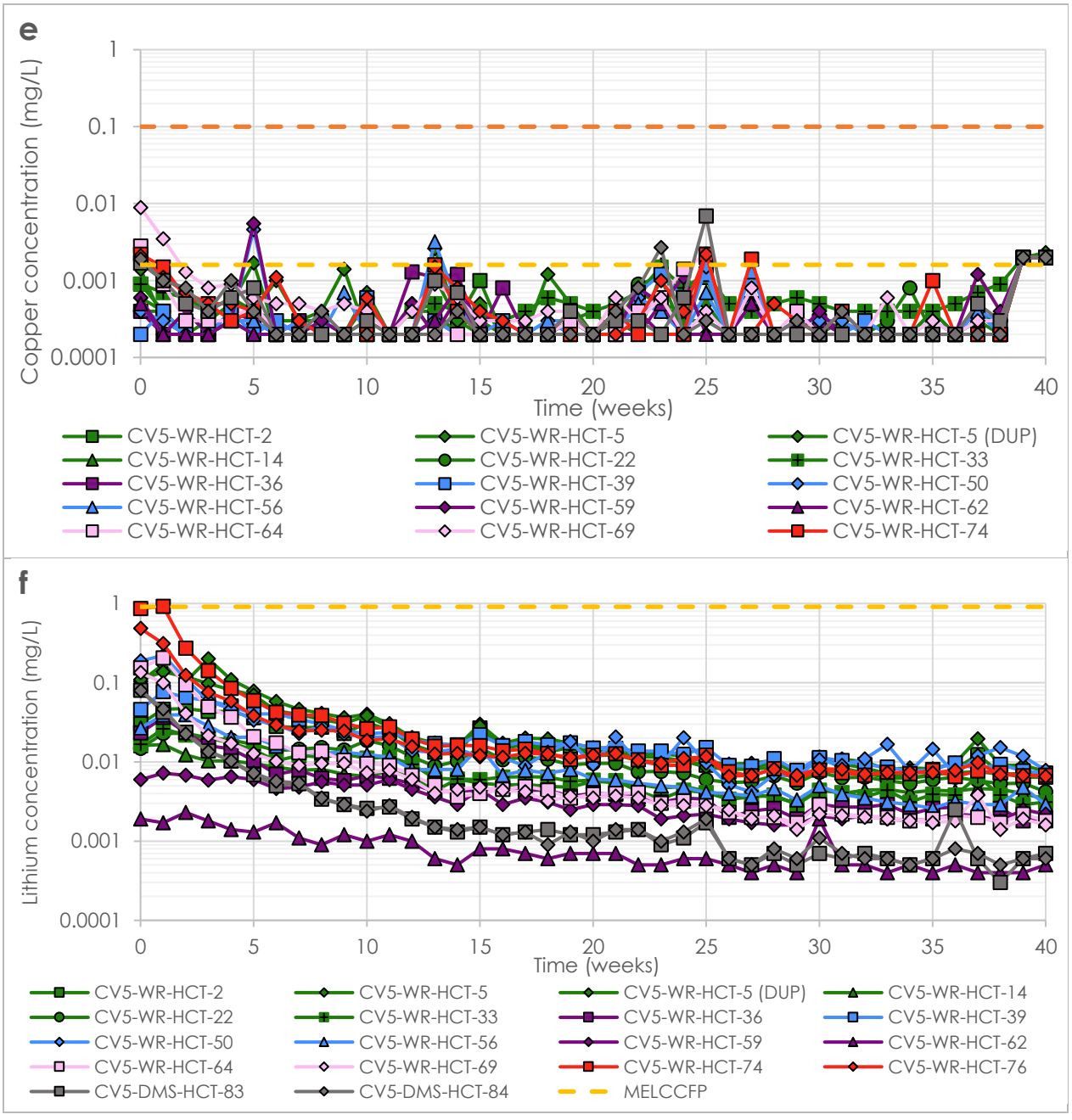

Figure 14: Graphic representation of the COPCs' concentration in kinetic tests (3 of 6)

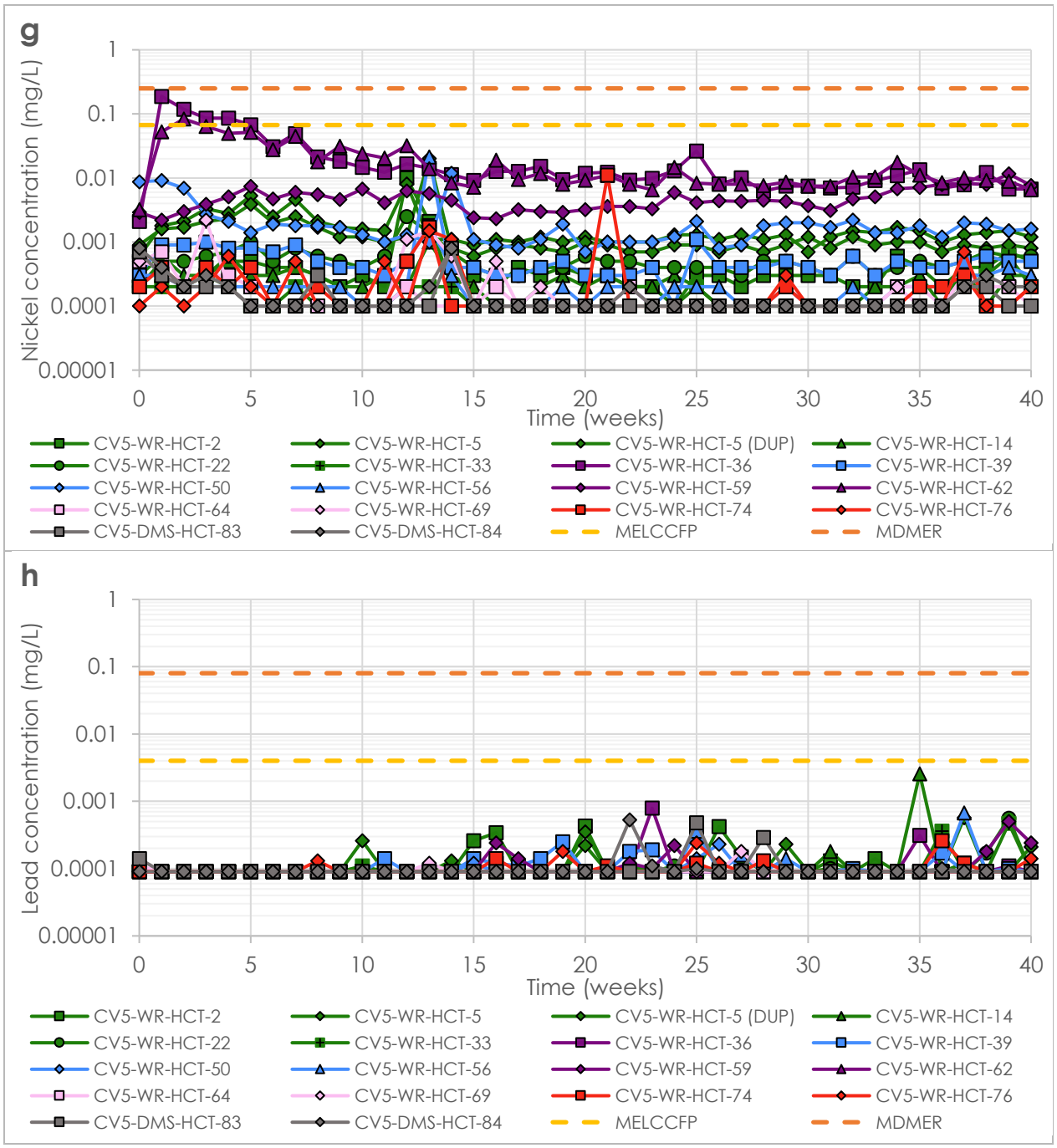

Figure 15: Graphic representation of the COPCs' concentration in kinetic tests (4 of 6)

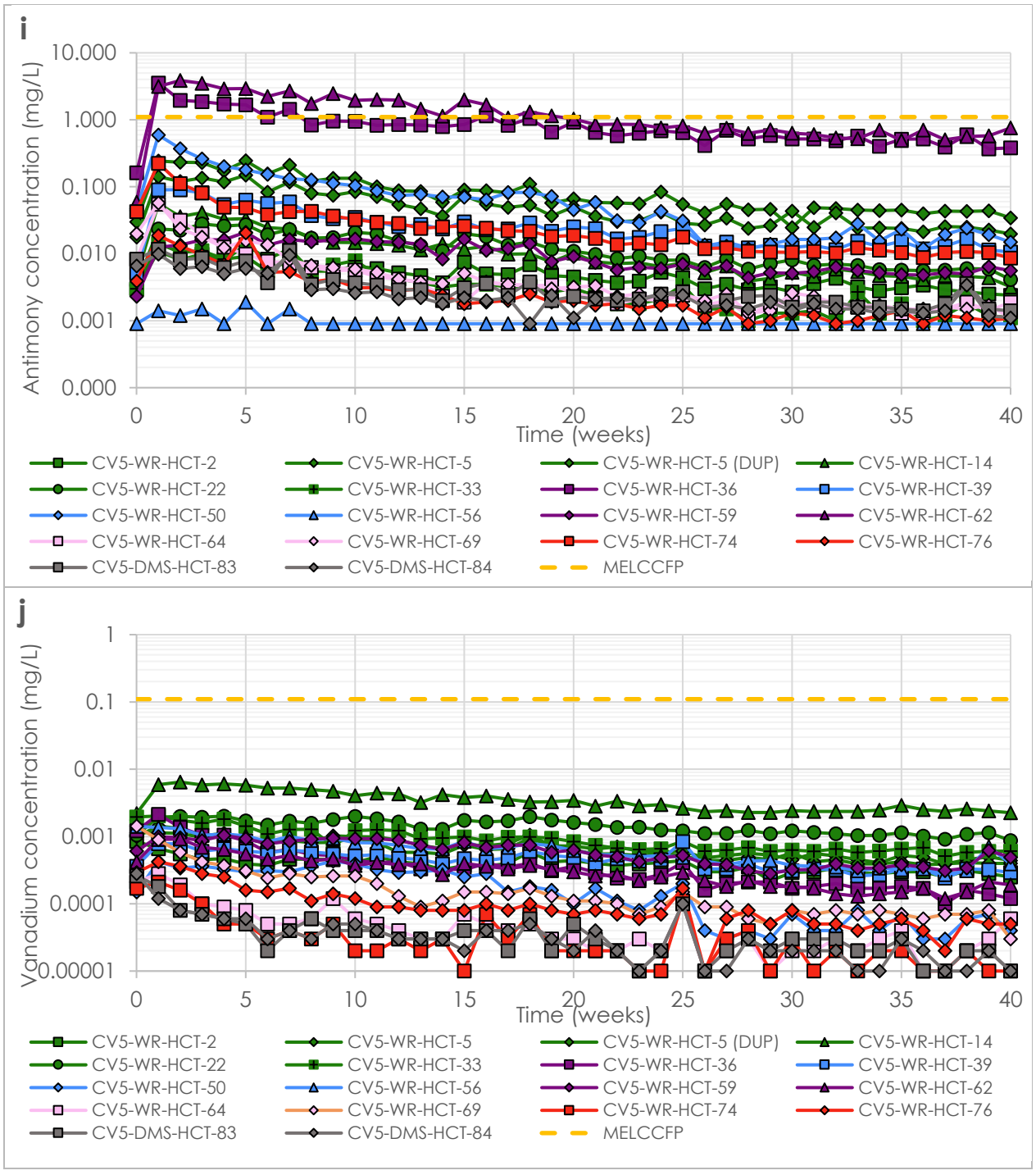

Figure 16: Graphic representation of the COPCs' concentration in kinetic tests (5 of 6)

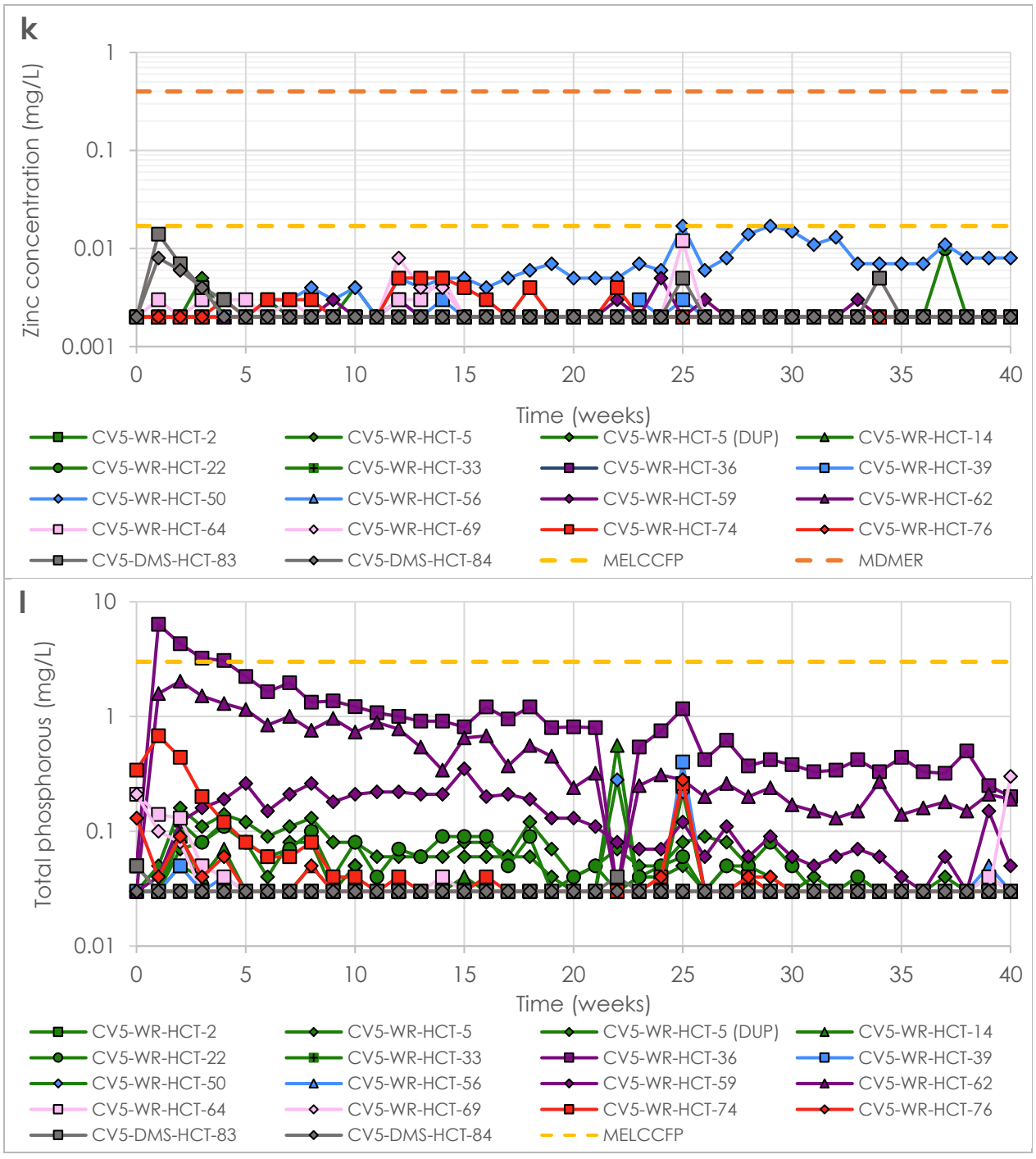

Figure 17: Graphic representation of the COPCs' concentration in kinetic tests (6 of 6)

3.3.2. Kinetic Tests Summary and Interpretation

After 40 weeks, the HCT testing did not confirm whether the samples classified as PAG during Phase 1 static testing would generate net acidity. Sulfate concentrations within the HCT leachates remained small for all HCTs, with values ranging from 2 mg/L(detection limit) to 12 mg/L after the initial flushes, suggesting the existence of small oxidation rates for test samples. However, the PAG characteristics of these samples should not be excluded at this point as net acidity production typically becomes apparent after near-complete exhaustion of the NP of the material. Furthermore, the solid to liquid ratio within the pile will be significantly higher within the pile than the 1:1 ratio employed as part of the HCT procedure. A higher solid to liquid ratio will cause the concentration of oxidation products such as sulfate and acidity to increase.

Among the COPCs identified as part of the leaching test (Table 12), arsenic (As) was found to constitute the principal potential risk of exceedance of the MELCCFP groundwater protection criterion, and the final effluent discharge MDMER criterion with a total of 128, and 259 weekly exceedances, respectively. Antimony (Sb), copper (Cu), and total phosphorous (P), with 25, 20, and four exceedances of the MELCCFP groundwater protection RES criterion, respectively, were also confirmed as COPCs. Lithium (Li), and nickel (Ni) were found to constitute a minor risk with one punctual exceedance each.

It should be highlighted that arsenic (As), antimony (Sb), and total phosphorous (P) leaching potential were especially associated with the ultramafic material, although the amphibolite samples also showed numerous arsenic exceedances especially with regards to the MDMER effluent guidelines. The copper exceedances, on the other hand, were found among all material types and lithologies but were punctual with no apparent trend.

Finally, it should be underlined that the MELCCFP groundwater protection criterion for copper (0.0016 mg/L) is less than an order of magnitude above the detection limit (0.0002 mg/L), and the limit of quantification of the method could, therefore, have been influenced by the number of exceedances. However, given that copper solubility is controlled by pH, this metal could become a more prominent concern should acidic conditions associated with sulfidic minerals oxidation emerge.

Table 12: Summary of weekly COPC exceedances per HCT with regards to MELCCFP classification criteria and MDMER and Directive 019 effluent regulations

HCT ID (at 40 weeks)	Lithology or material type	As Exceedance		Cu Exceedance	Li Exceedance	Ni Exceedance	Sb Exceedance	Total P Exceedance
		MELCCFP	MDMER	MELCCFP	MELCCFP	MELCCFP	MELCCFP	MELCCFP
CV5-WR-HCT-2	Amphibolite	0	0	0	0	0	0	0
CV5-WR-HCT-5	Amphibolite	15	40	1	0	0	0	0
CV5-WR-HCT-5	Amphibolite	2	40	1	0	0	0	0
CV5-WR-HCT-14	Amphibolite	0	4	0	0	0	0	0
CV5-WR-HCT-22	Amphibolite	3	39	1	0	0	0	0
CV5-WR-HCT-33	Amphibolite	0	0	0	0	0	0	0
CV5-WR-HCT-36	Ultramafic	40	41	1	0	5	7	4
CV5-WR-HCT-39	Metasediment	0	0	0	0	0	0	0
CV5-WR-HCT-50	Metasediment	0	0	1	0	0	0	0
CV5-WR-HCT-56	Metasediment	0	0	1	0	0	0	0
CV5-WR-HCT-59	Ultramafic	24	40	1	0	0	0	0
CV5-WR-HCT-62	Ultramafic	40	41	0	0	1	18	0
CV5-WR-HCT-64	Barren pegmatite	1	5	2	0	0	0	0
CV5-WR-HCT-69	Barren pegmatite	0	3	2	0	0	0	0
CV5-WR-HCT-74	Ore	3	5	3	1	0	0	0
CV5-WR-HCT-76	Ore	0	0	2	0	0	0	0
CV5-DMS-HCT-83	DMS tailings	0	1	2	0	0	0	0
CV5-DMS-HCT-84	DMS tailings	0	0	2	0	0	0	0
Total		**128**	**259**	**20**	**1**	**6**	**25**	**4**

4. Conclusion

A total 84 solid samples of tailings (DMS; n=2), ore (spodumene pegmatite; n=8) and waste rock material (n=80) of different lithologies, including amphibolite (n=30), metasediment (n=25), barren pegmatite (n=13), and ultramafic (n=6) were subjected to static testing to establish whether they constitute a risk in terms of acid generation and metal leaching potential.

The ABA results revealed that total sulfur was a good, yet conservative, predictor of AP with an average 83% of sulfur being in the form of sulfides. On the other hand, total carbon provided a poor predictor of NP, as solely 66% of the carbon in average being found in the form of carbonate, and a significant portion of the NP being likely originated from silicate minerals. For future static testing it is, therefore, recommended that bulk-NP remains the preferred approach to measure NP.

Among the collected samples (n=84), a total of 20 were classified as PAG. The amphibolite (n=6, 19%) and metasediment (n=13, 54%) waste rocks had the highest proportion of PAG samples, whereas the ultramafic presented one PAG sample (17%), and the barren pegmatite did not present any. The ore and tailings samples were all classified as non-PAG based because of their negligible total sulfur concentrations (<0.04% total sulfur).

The Aqua Regia extractible content analysis have allowed to identify a wide range of enriched metal(loid)s with regards to the (10 times) continental crust concentrations and the Superior geological province background concentration; however, arsenic (As) was identified as the most enriched COPC in both cases.

The SPLP and CTEU-9 leaching tests partially reflected the enrichments measured with the Aqua Regia extractions, but also highlighted aluminium (Al) as a main leaching potential concern. Arsenic (As) was especially identified as a concern for the CTEU-9 test with 64 exceedances (76%) as opposed to four exceedances (4.8%) for the SPLP test, thus suggesting that the particle size and pH has an important impact on the mobility of this element. Moreover, arsenic exceedances were observed for all lithologies and material types, but was particular apparent in the ultramafic samples (100%), the tailings (100%), and the spodumene pegmatite ore material (88%).

Finally, arsenic was the only COPC identified from the TCLP leach test with the only two leachate concentrations exceeding high-risk criteria being from the ultramafic samples (n=6; 33%).

Kinetic testing was initiated on select samples to confirm the observations and interpretations concluded from Phase 1 static testing. The 17 samples subjected to the HCT were selected on

the basis of static test results in order to cover a wide range of acid generation and metal leaching potential.

After 40 weeks, the HCT results did not allow to confirm whether the samples classified as PAG via ABA indeed generate net acidity. However, the PAG characteristics of these samples should not be excluded, as net acidity production typically becomes apparent after near-complete exhaustion of the NP of the material.

Among the COPCs identified as part of the leaching test, arsenic (As) was found to constitute the principal potential risk of exceedance of the RES groundwater protection criterion, and the final effluent discharge MDMER criterion with a total of 128, and 259 weekly exceedances, respectively, distributed among the 17 HCTs. Antimony (Sb), copper (Cu), and total phosphorous (P), with 25, 20, and four exceedances of the MELCCFP groundwater protection RES criterion, respectively were also confirmed as COPCs. Lithium (Li) and nickel (Ni) were found to constitute a minor risk with one punctual exceedance each.

It should be highlighted that arsenic (As), antimony (Sb), and total phosphorous (P) leaching potential were all associated with the ultramafic material, although some arsenic exceedances were also noted among amphibolite samples, especially with regards to the MDMER criterion.

Finally the copper exceedances were found among all material types and lithologies but were punctual with no apparent trend, and could have partly been influenced by the limit of quantification of the method. However, given that copper solubility is controlled by pH, this chemical could become a more prominent concern should acidic conditions due do sulfidic oxidation emerge.

5. Recommendations

As this report is being issued, the HCT have been operating for 40 weeks. The weekly monitoring of the chemical parameters conducted on the HCT flush water present steady (equilibrated) results for most parameters. pH readings appear to have stabilized over the most recent flushes but some HCTs (e.g., CV5-DMS-HCT-83, and CV5-DMS-HCT-84) have shown recent decreasing trends close to the lower limit of the MDMER criterion (pH=6). Furthermore, arsenic values have been on the decline for most HCTs and the trend appears to be continuing to decrease.

Considering the current state of kinetic testing, continued weekly HCT flushing is thus recommended until further notice, with a reassessment at 60 weeks. If further testing is required beyond 60 weeks, a decrease in the analysis frequency is recommended to optimize data collection versus cost savings. For example, because the results are starting to show signs of the

slow kinetic evolution, decreasing the analytical frequency to one analysis every four weeks is justified, with pH and conductivity monitored on a weekly basis.

The relatively low NP and AP of the material makes the characterization as PAG and NPAG more complex to understand. Although static testing highlighted PAG characteristics in some samples, the kinetic results did not confirm these observations at this point, suggesting that certain material initially considered to be PAG material is actually NPAG based on kinetic testing. The Net Acid Generation (NAG) test is a suitable ARD prediction tool (Miller et al. 1997) that can be employed as a supplement to static tests. We recommend conducting NAG tests on a sub-set of samples to better understand PAG/NPAG characteristics, to therefore provide further clarity and confidence regarding acid generation risk.

To better support future economic studies at the PFS and FS level, while also meeting the requirements for the ESIA, it is recommended that additional static and kinetic testing is completed for CV5. Informed from the current study and gap analysis, a future sampling program design should be focused on a more complete distribution of arsenic concentrations, while also exploring variability in sulfide content.

Furthermore, it is recommended that field barrel testing (FBT) is initiated to simulate CV5 waste rock stockpiles. Similar to HCTs, reaction rates are simulated and quantified under atmospheric weathering conditions. However, FBTs are often conducted directly at the mine development site (or geographically near) with large quantities of material (hundreds of kilograms) per sample, where the natural climate conditions, such as monthly rainfall and winter conditions, help provide more realistic predictions regarding reaction rates and seasonal flushing.

6. References

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

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

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

(CEAEQ), C. d. (2012). Protocole de lixiviation des espèces inorganiques. Méthode MA.100-Lix.com. 1.1, Rev. 1. Gouvernement du Québec.

(CEAEQ), C. d. (2014). Détermination du pouvoir neutralisant, du potentiel générateur d'acide et du potentiel acidogène d'un solide. Méthode MA.110 ACISOL 1.0, Rev.4 . Gouvernement du Québec. 17p.

Beaulieu, M. (2021). Guide d'intervention – Protection des sols et réhabilitation des terrains contaminés. Québec: Ministère de l'Environnement et de la Lutte contre les changements climatiques.

CEAEQ. (2020). Détermination des métaux : méthode de spectrométrie de masse à source ionisante à plasma d'argon. Méthode MA. 200-Mét.1.2, Rév. 7. Gouvernement du Québec.

MDDEP. (2012). Directive 019 sur l'industrie minière. Gouvernement du Québec, ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques.

MELCC, 2. (2020). Guide de caractérisation des résidues et du minerai. Gouvernement du Quebec. 52 p.

MEND. (2009). Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. MEND Report 1.20.1 Natural Ressources Canada.

Miller, S., Robertson, A. and Donahue, T. (1997) Advances in Acid Drainage Prediction Using the Net Acid Generation (NAG) Test. Proceedings of the 4th International Conference on Acid Rock Drainage, Vancouver, 31 May-6 June 1997, 533-549.

Appendix A: Summary of Composite Sample Details

Composite Sample	Hole Number	From	To	Length	Sample_ID
1	CV22-034	87.63	88.5	0.87	CV034-033
	CV22-034	88.5	89.5	1	CV034-034
	CV22-034	89.5	90.51	1.01	CV034-035
	CV22-034	90.51	91.5	0.99	CV034-036
	CV22-034	91.5	92.7	1.2	CV034-038
2	CV22-034	137.5	139	1.5	CV034-060
	CV22-034	139	140	1	CV034-061
	CV22-034	140	141	1	CV034-063
	CV22-034	141	142	1	CV034-064
	CV22-034	142	143.32	1.32	CV034-065
3	CV22-034	191	192.51	1.51	CV034-094
	CV22-034	192.51	194	1.49	CV034-095
	CV22-034	194	195.5	1.5	CV034-096
	CV22-034	195.5	197	1.5	CV034-097
	CV22-034	197	198.5	1.5	CV034-098
	CV22-034	198.5	200	1.5	CV034-100
	CV22-034	200	201.5	1.5	CV034-101
4	CV22-034	294.03	295.5	1.47	CV034-194
	CV22-034	295.5	297	1.5	CV034-195
	CV22-034	297	298.5	1.5	CV034-196
	CV22-034	298.5	300	1.5	CV034-197
	CV22-034	300	301.4	1.4	CV034-198
	CV22-034	301.4	302	0.6	CV034-200
	CV22-034	302	303.5	1.5	CV034-201
5	CV22-034	312.32	313.54	1.22	CV034-213
	CV22-034	313.54	314.7	1.16	CV034-214
	CV22-034	314.7	315.95	1.25	CV034-215
	CV22-034	315.95	317	1.05	CV034-216
	CV22-034	317	318	1	CV034-217
	CV22-034	318	319.12	1.12	CV034-219
	CV22-034	319.12	320.36	1.24	CV034-220
6	CV22-033	5.1	6.6	1.5	CV033-002
	CV22-033	6.6	8.1	1.5	CV033-003
	CV22-033	8.1	9.6	1.5	CV033-004
	CV22-033	9.6	11.1	1.5	CV033-007
	CV22-033	11.1	12.6	1.5	CV033-008
	CV22-033	12.6	14.1	1.5	CV033-009
	CV22-033	14.1	15.6	1.5	CV033-010
7	CV22-033	103.5	105	1.5	CV033-059
	CV22-033	105	106.5	1.5	CV033-060
	CV22-033	106.5	108	1.5	CV033-061
	CV22-033	108	109.5	1.5	CV033-063
	CV22-033	109.5	111	1.5	CV033-064
	CV22-033	111	112.5	1.5	CV033-065
	CV22-033	112.5	114	1.5	CV033-066
	CV22-033	207.5	209	1.5	CV033-170

Composite Sample	Hole Number	From	To	Length	Sample_ID
8	CV22-033	209	210.5	1.5	CV033-171
	CV22-033	210.5	212	1.5	CV033-172
	CV22-033	212	213.5	1.5	CV033-173
	CV22-033	213.5	215	1.5	CV033-175
	CV22-033	215	216.5	1.5	CV033-176
	CV22-033	216.5	218	1.5	CV033-177
9	CV22-033	231.5	233	1.5	CV033-190
	CV22-033	233	234.5	1.5	CV033-191
	CV22-033	234.5	236	1.5	CV033-192
	CV22-033	236	237.5	1.5	CV033-194
	CV22-033	237.5	239	1.5	CV033-195
	CV22-033	239	240.5	1.5	CV033-196
	CV22-033	240.5	242	1.5	CV033-197
10	CV22-031	93.5	95	1.5	CV031-021
	CV22-031	95	96.5	1.5	CV031-022
	CV22-031	96.5	98	1.5	CV031-023
	CV22-031	98	99.5	1.5	CV031-025
	CV22-031	99.5	100.5	1	CV031-026
11	CV22-031	195.17	196.7	1.53	CV031-139
	CV22-031	196.7	197.8	1.1	CV031-140
	CV22-031	197.8	198.96	1.16	CV031-141
	CV22-031	198.96	200.5	1.54	CV031-142
	CV22-031	200.5	202	1.5	CV031-144
	CV22-031	202	203.5	1.5	CV031-145
12	CV22-029	31.5	33	1.5	CV029-011
	CV22-029	33	34.5	1.5	CV029-013
	CV22-029	34.5	36	1.5	CV029-014
	CV22-029	36	37.5	1.5	CV029-015
	CV22-029	37.5	39	1.5	CV029-016
	CV22-029	39	40.5	1.5	CV029-017
	CV22-029	40.5	42	1.5	CV029-019
13	CV22-028	232.93	234.5	1.57	CV028-151
	CV22-028	234.5	236	1.5	CV028-152
	CV22-028	237.05	238.5	1.45	CV028-153
	CV22-028	238.5	240	1.5	CV028-154
	CV22-028	242.38	244	1.62	CV028-157
	CV22-028	244	245.5	1.5	CV028-158
	CV22-028	245.5	247	1.5	CV028-159
14	CV22-028	275	276.5	1.5	CV028-170
	CV22-028	276.5	278	1.5	CV028-171
	CV22-028	278	279.5	1.5	CV028-172
	CV22-028	279.5	281	1.5	CV028-173
	CV22-028	281	282	1	CV028-175
	CV22-028	282	283.5	1.5	CV028-176
	CV22-028	283.5	285	1.5	CV028-177
	CV22-027	9	10	1	CV027-120

Composite Sample	Hole Number	From	To	Length	Sample_ID
15	CV22-027	10	11.5	1.5	CV027-121
	CV22-027	11.5	13	1.5	CV027-122
	CV22-027	13	14.5	1.5	CV027-123
	CV22-027	14.5	16	1.5	CV027-001
	CV22-027	16	17.5	1.5	CV027-125
16	CV22-027	107.5	109	1.5	CV027-096
	CV22-027	109	110.5	1.5	CV027-097
	CV22-027	110.5	112	1.5	CV027-098
	CV22-027	112	113.5	1.5	CV027-100
	CV22-027	113.5	115	1.5	CV027-101
	CV22-027	115	116.5	1.5	CV027-102
	CV22-027	116.5	118	1.5	CV027-103
17	CV22-027	118	119.5	1.5	CV027-104
	CV22-027	119.5	121	1.5	CV027-107
	CV22-027	121	122.5	1.5	CV027-108
	CV22-027	122.5	124	1.5	CV027-109
	CV22-027	124	125.5	1.5	CV027-110
	CV22-027	125.5	127	1.5	CV027-111
18	CV22-025	12.5	14	1.5	CV025-102
	CV22-025	14	15.5	1.5	CV025-103
	CV22-025	15.5	17	1.5	CV025-104
	CV22-025	17	18.5	1.5	CV025-107
	CV22-025	18.5	20	1.5	CV025-108
	CV22-025	20	21.5	1.5	CV025-001
	CV22-025	21.5	22.72	1.22	CV025-002
19	CV22-025	127	128.5	1.5	CV025-119
	CV22-025	128.5	130	1.5	CV025-120
	CV22-025	130	131.5	1.5	CV025-121
	CV22-025	131.5	133	1.5	CV025-122
	CV22-025	133	134.5	1.5	CV025-123
	CV22-025	134.5	136	1.5	CV025-125
	CV22-025	136	137.5	1.5	CV025-126
20	CV22-023	51	52.5	1.5	CV023-003
	CV22-023	52.5	53.3	0.8	CV023-004
	CV22-023	53.3	53.95	0.65	CV023-007
	CV22-023	53.95	55	1.05	CV023-008
21	CV22-020	166.38	167	0.62	CV020-041
	CV22-020	167	168.5	1.5	CV020-042
	CV22-020	168.5	170	1.5	CV020-044
	CV22-020	170	171.5	1.5	CV020-045
	CV22-020	171.5	173	1.5	CV020-046
	CV22-020	174.5	175.8	1.3	CV020-047
22	CV22-019	207.32	209	1.68	CV019-132
	CV22-019	209	210.5	1.5	CV019-133
	CV22-019	210.5	212	1.5	CV019-145
	CV22-019	212	213.5	1.5	CV019-146

Composite Sample	Hole Number	From	To	Length	Sample_ID
	CV22-019	213.5	215	1.5	CV019-147
	CV22-019	215	216.35	1.35	CV019-148
	CV22-019	216.35	217.5	1.15	CV019-150
23	CV22-018	28.15	29.2	1.05	CV018-007
	CV22-018	29.2	30.2	1	CV018-008
	CV22-018	30.2	31.2	1	CV018-009
	CV22-018	31.2	32.15	0.95	CV018-010
	CV22-018	32.15	33.35	1.2	CV018-011
	CV22-018	33.35	34.4	1.05	CV018-013
	CV22-018	34.4	36	1.6	CV018-014
	CV22-018	36	37.5	1.5	CV018-015
24	CV22-018	120.5	122	1.5	CV018-072
	CV22-018	122	123.5	1.5	CV018-073
	CV22-018	123.5	124.96	1.46	CV018-075
	CV22-018	124.96	126.11	1.15	CV018-076
	CV22-018	126.11	127.5	1.39	CV018-077
	CV22-018	127.5	129	1.5	CV018-078
25	CV22-017	83	83.9	0.9	CV017-127
	CV22-017	83.9	84.85	0.95	CV017-128
	CV22-017	84.85	86.17	1.32	CV017-129
	CV22-017	86.17	87.31	1.14	CV017-132
	CV22-017	87.31	88.38	1.07	CV017-133
	CV22-017	88.38	89.5	1.12	CV017-134
26	CV22-017	243	244.5	1.5	CV017-139
	CV22-017	244.5	245.95	1.45	CV017-140
	CV22-017	245.95	247	1.05	CV017-141
	CV22-017	247	248.5	1.5	CV017-142
	CV22-017	248.5	249.95	1.45	CV017-144
	CV22-017	249.95	251.1	1.15	CV017-145
	CV22-017	251.1	252	0.9	CV017-146
27	CV22-015	138.5	140	1.5	CV015-071
	CV22-015	140	141	1	CV015-072
	CV22-015	141	142	1	CV015-073
	CV22-015	142	143	1	CV015-075
	CV22-015	143	144	1	CV015-076
	CV22-015	144	145.5	1.5	CV015-077
	CV22-015	145.5	147	1.5	CV015-078
	CV22-015	147	148	1	CV015-079
28	CF21-003	81.07	82	0.93	CF003-073
	CF21-003	82	83.5	1.5	CF003-074
	CF21-003	83.5	85	1.5	CF003-075
	CF21-003	86	87	1	CF003-076
29	CF21-001	182.84	183.87	1.03	CF001-207
	CF21-001	183.87	184.64	0.77	CF001-208
	CF21-001	184.64	186.34	1.7	CF001-209
	CF21-001	186.34	186.77	0.43	CF001-210

Composite Sample	Hole Number	From	To	Length	Sample_ID
	CF21-001	186.77	188.39	1.62	CF001-211
	CF21-001	188.39	189.99	1.6	CF001-213
	CF21-001	189.99	190.51	0.52	CF001-214
30	CF21-001	219	220.5	1.5	CF001-245
	CF21-001	220.5	222	1.5	CF001-246
	CF21-001	222	223.5	1.5	CF001-247
	CF21-001	223.5	225	1.5	CF001-248
	CF21-001	225	226.5	1.5	CF001-249
	CF21-001	226.5	228	1.5	CF001-250
	CF21-001	228	229.14	1.14	CF001-251
31	CV22-034	178.9	179.9	1	CV034-078
	CV22-034	179.9	180.51	0.61	CV034-079
32	CV22-034	208.54	210	1.46	CV034-109
	CV22-034	210	211.45	1.45	CV034-110
	CV22-034	211.45	213	1.55	CV034-111
	CV22-034	213	214.47	1.47	CV034-113
	CV22-034	214.47	215.22	0.75	CV034-114
33	CV22-034	224.18	225.5	1.32	CV034-123
	CV22-034	225.5	227	1.5	CV034-125
	CV22-034	227	228.5	1.5	CV034-126
	CV22-034	228.5	230	1.5	CV034-127
	CV22-034	230	231.51	1.51	CV034-128
34	CV22-034	266.74	268	1.26	CV034-169
	CV22-034	268	269.5	1.5	CV034-170
	CV22-034	269.5	271	1.5	CV034-171
	CV22-034	271	272.5	1.5	CV034-172
	CV22-034	272.5	273.23	0.73	CV034-173
35	CV22-034	279.5	281	1.5	CV034-182
	CV22-034	281	282.5	1.5	CV034-183
	CV22-034	282.5	284	1.5	CV034-184
	CV22-034	284	285.5	1.5	CV034-185
	CV22-034	285.5	287	1.5	CV034-187
	CV22-034	287	288	1	CV034-188
36	CV22-030	253.95	255.35	1.4	CV030-214
	CV22-030	255.35	257	1.65	CV030-215
37	CV22-027	51.67	53	1.33	CV027-023
	CV22-027	53	54	1	CV027-025
	CV22-027	54	55.07	1.07	CV027-026
38	CV22-026	54.76	55.17	0.41	CV026-024
	CV22-026	55.17	55.47	0.3	CV026-025
	CV22-026	55.47	56.25	0.78	CV026-026
39	CV22-025	85.3	86.5	1.2	CV025-083
	CV22-025	86.5	88	1.5	CV025-084
	CV22-025	88	89.05	1.05	CV025-085
	CV22-025	89.05	90.63	1.58	CV025-086
40	CV22-024	66.38	67.88	1.5	CV024-035

Composite Sample	Hole Number	From	To	Length	Sample_ID
40	CV22-024	67.88	69.38	1.5	CV024-036
41	CV22-022	101.5	103	1.5	CV022-053
	CV22-022	103	104.5	1.5	CV022-054
	CV22-022	104.5	106	1.5	CV022-057
	CV22-022	106	107.5	1.5	CV022-058
	CV22-022	107.5	109	1.5	CV022-059
42	CV22-022	109	110.5	1.5	CV022-060
	CV22-022	110.5	112	1.5	CV022-061
	CV22-022	112	113.5	1.5	CV022-063
	CV22-022	113.5	115	1.5	CV022-064
	CV22-022	115	116.5	1.5	CV022-065
43	CV22-022	116.5	118	1.5	CV022-066
	CV22-022	118	119.5	1.5	CV022-067
	CV22-022	119.5	121	1.5	CV022-069
	CV22-022	121	122.5	1.5	CV022-070
	CV22-022	122.5	124	1.5	CV022-071
44	CV22-021	72	73.5	1.5	CV021-015
	CV22-021	73.5	75	1.5	CV021-016
	CV22-021	75	76	1	CV021-027
	CV22-021	76	76.74	0.74	CV021-028
	CV22-021	76.74	78	1.26	CV021-029
	CV22-021	78	79.05	1.05	CV021-032
	CV22-021	79.05	80	0.95	CV021-033
45	CV22-021	137	138	1	CV021-046
	CV22-021	138	139	1	CV021-047
	CV22-021	139	140	1	CV021-048
	CV22-021	140	141	1	CV021-050
	CV22-021	141	142	1	CV021-051
	CV22-021	142	143	1	CV021-052
	CV22-021	143	144	1	CV021-053
	CV22-021	144	145	1	CV021-054
	CV22-021	145	146	1	CV021-057
46	CV22-021	147	147.93	0.93	CV021-059
	CV22-021	147.93	149.1	1.17	CV021-060
	CV22-021	149.1	150.5	1.4	CV021-061
	CV22-021	150.5	151.55	1.05	CV021-063
	CV22-021	151.55	153	1.45	CV021-064
	CV22-021	153	154	1	CV021-065
47	CV22-019	54	55	1	CV019-140
	CV22-019	55	56	1	CV019-141
	CV22-019	56	57.15	1.15	CV019-142
	CV22-019	57.15	58	0.85	CV019-144
48	CF21-002	233	234	1	CF002-195
	CF21-002	234	235.5	1.5	CF002-196
	CF21-002	235.5	237	1.5	CF002-197
49	CV22-034	326.73	327.9	1.17	CV034-229

Composite Sample	Hole Number	From	To	Length	Sample_ID
49	CV22-034	327.9	328.73	0.83	CV034-232
50	CV22-030	79.4	80.5	1.1	CV030-011
	CV22-030	80.5	82.01	1.51	CV030-013
	CV22-030	82.01	83.5	1.49	CV030-014
	CV22-030	83.5	85	1.5	CV030-015
	CV22-030	85	86.38	1.38	CV030-016
51	CV22-022	80.94	82.5	1.56	CV022-045
	CV22-022	82.5	84	1.5	CV022-046
	CV22-022	84	85.55	1.55	CV022-047
	CV22-022	85.55	87	1.45	CV022-048
	CV22-022	87	88.5	1.5	CV022-050
52	CV22-022	20	21	1	CV022-076
	CV22-022	21	22	1	CV022-077
	CV22-022	22	23	1	CV022-078
	CV22-022	23	24	1	CV022-079
	CV22-022	24	25	1	CV022-082
	CV22-022	25	26	1	CV022-083
53	CV22-018	105	105.83	0.83	CV018-059
	CV22-018	105.83	107.17	1.34	CV018-060
	CV22-018	107.17	108.43	1.26	CV018-061
	CV22-018	108.43	109.5	1.07	CV018-063
54	CF21-001	14.17	15.08	0.91	CF001-014
	CF21-001	15.08	15.99	0.91	CF001-015
	CF21-001	15.99	16.11	0.12	CF001-017
	CF21-001	16.11	17.5	1.39	CF001-018
	CF21-001	17.5	19.01	1.51	CF001-019
	CF21-001	19.01	20.5	1.49	CF001-020
	CF21-001	20.5	22	1.5	CF001-021
	CF21-001	22	22.96	0.96	CF001-022
55	CV22-034	6.58	7.58	1	CV034-001
	CV22-034	7.58	9.2	1.62	CV034-002
	CV22-034	9.2	10.87	1.67	CV034-003
	CV22-034	10.87	12.5	1.63	CV034-004
56	CV22-034	35.5	37	1.5	CV034-009
	CV22-034	37	38.5	1.5	CV034-010
	CV22-034	38.5	40	1.5	CV034-011
	CV22-034	40	41.5	1.5	CV034-013
	CV22-034	41.5	43	1.5	CV034-014
	CV22-034	43	44.5	1.5	CV034-015
	CV22-034	44.5	46	1.5	CV034-016
57	CV22-034	79.82	80.5	0.68	CV034-021
	CV22-034	80.5	81.32	0.82	CV034-022
	CV22-034	81.32	82	0.68	CV034-023
	CV22-034	82	83	1	CV034-025
	CV22-034	83	84	1	CV034-026
	CV22-034	84	85	1	CV034-027

Composite Sample	Hole Number	From	To	Length	Sample_ID
	CV22-034	85	86	1	CV034-028
	CV22-034	86	87	1	CV034-029
	CV22-034	87	87.63	0.63	CV034-032
58	CV22-034	134	135	1	CV034-054
	CV22-034	135	135.96	0.96	CV034-057
	CV22-034	135.96	137	1.04	CV034-058
	CV22-034	137	137.5	0.5	CV034-059
59	CV22-032	106.27	107	0.73	CV032-015
	CV22-032	107	108	1	CV032-016
	CV22-032	108	109	1	CV032-017
	CV22-032	109	110.5	1.5	CV032-019
60	CV22-030	239.15	240.5	1.35	CV030-211
	CV22-030	240.5	242	1.5	CV030-213
61	CV22-028	77.91	78.91	1	CV028-007
	CV22-028	78.91	80	1.09	CV028-008
	CV22-028	80	80.96	0.96	CV028-009
	CV22-028	80.96	81.96	1	CV028-010
62	CV22-016	85.53	85.88	0.35	CV016-004
	CV22-016	86.2	87.67	1.47	CV016-005
	CV22-016	87.67	89.19	1.52	CV016-008
63	CV22-033	128.7	129.6	0.9	CV033-079
	CV22-033	129.6	130.5	0.9	CV033-082
	CV22-033	130.5	131.55	1.05	CV033-083
	CV22-033	131.55	132.5	0.95	CV033-084
	CV22-033	132.5	133.66	1.16	CV033-085
64	CV22-030	146.8	148	1.2	CV030-095
	CV22-030	148	149	1	CV030-096
	CV22-030	149	150	1	CV030-097
	CV22-030	150	151	1	CV030-098
	CV22-030	151	152	1	CV030-100
	CV22-030	152	153	1	CV030-101
	CV22-030	153	154.1	1.1	CV030-102
	CV22-030	154.1	155	0.9	CV030-103
	CV22-030	155	156	1	CV030-104
65	CV22-029	106	107	1	CV029-085
	CV22-029	107	107.6	0.6	CV029-086
	CV22-029	107.6	107.95	0.35	CV029-088
	CV22-029	107.95	109	1.05	CV029-089
	CV22-029	109	110	1	CV029-090
	CV22-029	110	111	1	CV029-091
	CV22-029	111	112	1	CV029-092
	CV22-029	112	113	1	CV029-094
	CV22-029	113	114	1	CV029-095
	CV22-029	114	115	1	CV029-096
	CV22-029	115	116	1	CV029-097
	CV22-026	127.23	128.25	1.02	CV026-108

Composite Sample	Hole Number	From	To	Length	Sample_ID
66	CV22-026	128.25	129.25	1	CV026-109
	CV22-026	129.25	130.3	1.05	CV026-110
	CV22-026	130.3	131.25	0.95	CV026-111
	CV22-026	131.25	132.39	1.14	CV026-113
	CV22-026	132.39	133.43	1.04	CV026-114
	CV22-026	133.43	134.5	1.07	CV026-115
	CV22-026	134.5	135.5	1	CV026-116
	CV22-026	135.5	136.5	1	CV026-117
	CV22-026	136.5	137.5	1	CV026-119
67	CV22-016	125.13	126.03	0.9	CV016-053
	CV22-016	126.03	127	0.97	CV016-054
	CV22-016	127	128	1	CV016-057
	CV22-016	128	129	1	CV016-058
	CV22-016	129	130	1	CV016-059
	CV22-016	130	131	1	CV016-060
	CV22-016	131	132.08	1.08	CV016-061
	CV22-016	132.08	133.26	1.18	CV016-063
	CV22-016	133.26	134.45	1.19	CV016-064
68	CF21-002	89	90	1	CF002-028
	CF21-002	90	91	1	CF002-029
	CF21-002	91	92	1	CF002-030
	CF21-002	92	93	1	CF002-032
	CF21-002	93	94	1	CF002-033
	CF21-002	94	95	1	CF002-034
	CF21-002	95	96	1	CF002-035
	CF21-002	96	97	1	CF002-036
	CF21-002	97	98	1	CF002-038
	CF21-002	98	99	1	CF002-039
69	CV22-033	180	181	1	CV033-144
	CV22-033	181	182	1	CV033-145
	CV22-033	182	183	1	CV033-146
	CV22-033	183	184	1	CV033-147
	CV22-033	184	185	1	CV033-148
	CV22-033	185	186	1	CV033-149
	CV22-033	186	187	1	CV033-151
	CV22-033	187	188	1	CV033-152
	CV22-033	188	189	1	CV033-153
	CV22-033	189	190	1	CV033-154
70	CV22-026	105	106	1	CV026-079
	CV22-026	106	107	1	CV026-082
	CV22-026	107	108	1	CV026-083
	CV22-026	108	109	1	CV026-084
	CV22-026	109	110	1	CV026-085
	CV22-026	110	111	1	CV026-086
	CV22-026	111	112	1	CV026-088
	CV22-026	112	113	1	CV026-089

Composite Sample	Hole Number	From	To	Length	Sample_ID
	CV22-026	113	114	1	CV026-090
	CV22-026	114	115	1	CV026-091
71	CF21-004	72	73	1	CF004-047
	CF21-004	73	74	1	CF004-048
	CF21-004	74	75	1	CF004-049
	CF21-004	75	76	1	CF004-050
	CF21-004	76	77	1	CF004-051
	CF21-004	77	78	1	CF004-052
	CF21-004	78	79	1	CF004-053
	CF21-004	79	80	1	CF004-054
	CF21-004	80	81	1	CF004-056
	CF21-004	81	82	1	CF004-057
72	CF21-001	179.09	180.09	1	CF001-202
	CF21-001	180.09	181	0.91	CF001-203
	CF21-001	181	181.92	0.92	CF001-205
	CF21-001	181.92	182.84	0.92	CF001-206
73	CV22-034	240	241	1	CV034-139
	CV22-034	241	242	1	CV034-140
	CV22-034	242	243	1	CV034-141
	CV22-034	243	244	1	CV034-142
	CV22-034	244	245	1	CV034-144
	CV22-034	245	246	1	CV034-145
	CV22-034	246	247	1	CV034-146
	CV22-034	247	248	1	CV034-147
	CV22-034	248	249	1	CV034-148
	CV22-034	249	250	1	CV034-150
74	CV22-030	172	173	1	CV030-127
	CV22-030	173	174	1	CV030-128
	CV22-030	174	175	1	CV030-129
	CV22-030	175	176	1	CV030-132
	CV22-030	176	177	1	CV030-133
	CV22-030	177	178	1	CV030-134
	CV22-030	178	179	1	CV030-135
	CV22-030	179	180	1	CV030-136
	CV22-030	180	181	1	CV030-138
	CV22-030	181	182	1	CV030-139
75	CV22-028	190	191	1	CV028-097
	CV22-028	191	192	1	CV028-098
	CV22-028	192	193	1	CV028-100
	CV22-028	193	194	1	CV028-101
	CV22-028	194	195	1	CV028-102
	CV22-028	195	196	1	CV028-103
	CV22-028	196	197	1	CV028-104
	CV22-028	197	198	1	CV028-107
	CV22-028	198	199	1	CV028-108
	CV22-028	199	200	1	CV028-109

Composite Sample	Hole Number	From	To	Length	Sample_ID
76	CV22-026	115	116	1	CV026-092
	CV22-026	116	117	1	CV026-094
	CV22-026	117	118	1	CV026-095
	CV22-026	118	119	1	CV026-096
	CV22-026	119	120	1	CV026-097
	CV22-026	120	121	1	CV026-098
	CV22-026	121	122	1	CV026-100
	CV22-026	122	123	1	CV026-101
	CV22-026	123	124	1	CV026-102
	CV22-026	124	125	1	CV026-103
77	CV22-017	195	196	1	CV017-060
	CV22-017	196	197	1	CV017-061
	CV22-017	197	198	1	CV017-063
	CV22-017	198	199	1	CV017-064
	CV22-017	199	200	1	CV017-065
	CV22-017	200	201	1	CV017-066
	CV22-017	201	202	1	CV017-067
	CV22-017	202	203	1	CV017-069
	CV22-017	203	204	1	CV017-070
	CV22-017	204	205	1	CV017-071
78	CF21-001	127.8	128.86	1.06	CF001-145
	CF21-001	128.86	129.87	1.01	CF001-146
	CF21-001	129.87	130.94	1.07	CF001-147
	CF21-001	130.94	132	1.06	CF001-148
	CF21-001	132	133.05	1.05	CF001-149
	CF21-001	133.05	134.13	1.08	CF001-150
	CF21-001	134.13	135.03	0.9	CF001-151
	CF21-001	135.03	136.03	1	CF001-153
	CF21-001	136.03	137	0.97	CF001-154
79	CV22-025	46	47	1	CV025-034
	CV22-025	47	48	1	CV025-035
	CV22-025	48	49	1	CV025-036
	CV22-025	49	50	1	CV025-038
	CV22-025	50	51	1	CV025-039
	CV22-025	51	52	1	CV025-040
	CV22-025	52	52.75	0.75	CV025-041
	CV22-025	52.75	54	1.25	CV025-042
	CV22-025	54	54.85	0.85	CV025-044
80	CV22-015	32.88	34	1.12	CV015-010
	CV22-015	34	35	1	CV015-013
	CV22-015	35	36	1	CV015-014
	CV22-015	36	37	1	CV015-015
	CV22-015	37	38	1	CV015-016
	CV22-015	38	39	1	CV015-017
	CV22-015	39	39.55	0.55	CV015-019
	CF21-002	208	209	1	CF002-165

Composite Sample	Hole Number	From	To	Length	Sample_ID
81	CF21-002	209	210	1	CF002-167
	CF21-002	210	211	1	CF002-168
	CF21-002	211	212	1	CF002-169
	CF21-002	212	213	1	CF002-170
	CF21-002	213	214	1	CF002-172
	CF21-002	214	215	1	CF002-173
	CF21-002	215	216	1	CF002-174
	CF21-002	216	217	1	CF002-175
	CF21-002	217	218	1	CF002-176
82	CV22-033	19.83	20.83	1	CV033-015
	CV22-033	20.83	21.83	1	CV033-016
	CV22-033	21.83	22.86	1.03	CV033-017
	CV22-033	22.86	23.9	1.04	CV033-019
	CV22-033	23.9	24.95	1.05	CV033-020

Appendix B: Lab Certificates

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

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

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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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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

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LR Report : **CA10006-FEB24**

Analysis	17: CV5-WR-HC T-64 Wk#40	18: CV5-WR-HCT-69 Wk#40	19: CV5-ORE-HC T-74 Wk#40	20: CV5-ORE-HC T-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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
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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

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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

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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

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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

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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 LIMS

00033808845

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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

0003380845

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003380845

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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

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0003543820

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003543820

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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 LIMS

0003544347

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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

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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

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SGS Canada Inc.
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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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SGS Canada Inc.
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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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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-1 4 Wk#10	9: CV5-WR-HCT-2 2 Wk#10	10: CV5-WR-HCT-3 3 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

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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

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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

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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

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SGS Canada Inc.
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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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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
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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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	---	---	---

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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]	---	---

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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-64 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

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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

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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
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-74 Wk#1	20: CV5-ORE-HCT-76 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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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-HCT-83 Wk#36	6: CV5-DMS-HCT-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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003592833

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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

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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

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0003514006

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003514006

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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

0003474490

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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

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SGS Canada Inc.
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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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Project Specialist Assistant,
Environment, Health & Safety

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21-September-2023

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

838 W. Hastings Street, Suite 700
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Phone: 647-782-7386
Fax:

Date Rec. : 07 September 2023
LR Report: **CA10053-SEP23**
Reference: Wk#19

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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17-December-2023

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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 LIMS

0003566230

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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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Patriot Tailings- Long - (9.5mm fraction size)

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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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SGS Canada Inc.
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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003546218

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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

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0003546352

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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

0003546352

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003546352

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003420971

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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

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SGS Canada Inc.
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Lakefield - Ontario - KOL 2HO
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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

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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
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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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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

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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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0003349165

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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

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0003349165

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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27-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. : 12 October 2023
LR Report: **CA10106-OCT23**
Reference: Wk#24

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#24	6: CV5-WR-HCT-5 Wk#24	7: CV5-WR-HCT-5 (DUP) Wk#24	8: CV5-WR-HCT-14 Wk#24
Sample Date & Time			12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23
HumCell Leachate Vol [mL]	13-Oct-23	18:23	1007	989	1003	998
pH [No unit]	19-Oct-23	09:54	6.82	7.01	6.97	7.51
Alkalinity [mg/L as CaCO3]	17-Oct-23	10:49	4	5	4	13
Conductivity [uS/cm]	18-Oct-23	10:24	14	21	16	29
Acidity [mg/L as CaCO3]	17-Oct-23	15:57	2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	16-Oct-23	08:55	< 0.03	0.05	0.04	0.03
SO4 [mg/L]	23-Oct-23	14:55	6	4	3	< 2
Ag [mg/L]	17-Oct-23	15:35	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	17-Oct-23	15:35	0.023	0.015	0.022	0.100
As [mg/L]	25-Oct-23	10:38	0.0053	0.247	0.177	0.0456
Ba [mg/L]	17-Oct-23	15:35	0.00018	0.00021	0.00017	0.00020
Be [mg/L]	17-Oct-23	15:35	0.000009	0.000013	0.000009	< 0.000007
B [mg/L]	17-Oct-23	15:35	0.003	0.003	0.003	< 0.002
Bi [mg/L]	17-Oct-23	15:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	17-Oct-23	15:35	2.97	2.77	2.36	5.80
Cd [mg/L]	17-Oct-23	15:35	0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	17-Oct-23	15:35	0.000075	0.000217	0.000230	0.000057
Cr [mg/L]	17-Oct-23	15:35	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	17-Oct-23	15:35	0.0007	0.0004	0.0003	0.0003
Fe [mg/L]	17-Oct-23	15:35	0.013	< 0.007	< 0.007	0.013
K [mg/L]	17-Oct-23	15:35	0.230	0.111	0.097	0.059
Li [mg/L]	17-Oct-23	15:35	0.0103	0.0119	0.0103	0.0049
Mg [mg/L]	17-Oct-23	15:35	0.380	0.259	0.238	0.271
Mn [mg/L]	17-Oct-23	15:35	0.00177	0.00201	0.00201	0.00640
Mo [mg/L]	17-Oct-23	15:35	0.00024	0.00059	0.00030	0.00019
Na [mg/L]	17-Oct-23	15:35	0.15	0.07	0.06	0.42
Ni [mg/L]	17-Oct-23	15:35	< 0.0001	0.0013	0.0009	0.0003

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LR Report : **CA10106-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#24	6: CV5-WR-HCT-5 Wk#24	7: CV5-WR-HCT-5 (DUP) Wk#24	8: CV5-WR-HCT-14 Wk#24
Pb [mg/L]	17-Oct-23	15:35	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	25-Oct-23	10:38	0.0053	0.0840	0.0417	0.0064
Se [mg/L]	17-Oct-23	15:36	0.00018	0.00006	< 0.00004	0.00011
Sn [mg/L]	17-Oct-23	15:36	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	17-Oct-23	15:36	0.0105	0.00642	0.00635	0.00520
Ti [mg/L]	17-Oct-23	15:36	0.00014	< 0.00007	0.00010	0.00033
Tl [mg/L]	17-Oct-23	15:36	< 0.000005	0.000007	0.000007	< 0.000005
U [mg/L]	17-Oct-23	15:36	0.000300	0.000727	0.000239	0.000287
V [mg/L]	17-Oct-23	15:36	0.00041	0.00058	0.00057	0.00299
W [mg/L]	17-Oct-23	15:36	0.00008	0.00012	0.00010	0.00002
Y [mg/L]	17-Oct-23	15:36	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	25-Oct-23	10:38	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#24	10: CV5-WR-HCT-33 Wk#24	11: CV5-WR-HCT-36 Wk#24	12: CV5-WR-HCT-39 Wk#24	13: CV5-WR-HCT-50 Wk#24	14: CV5-WR-HCT-56 Wk#24
Sample Date & Time	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23
HumCell Leachate Vol [mL]	1005	1004	996	1000	997	1000
pH [No unit]	6.97	7.17	7.27	6.82	7.23	7.33
Alkalinity [mg/L as CaCO3]	4	6	7	3	8	7
Conductivity [uS/cm]	12	15	21	19	50	23
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	5	< 2
Tot.Reactive P [mg/L]	0.05	< 0.03	0.75	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	5	9	4
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.021	0.055	0.002	0.021	0.043	0.033
As [mg/L]	0.182	0.0040	2.20	0.0315	0.0104	0.0180
Ba [mg/L]	0.00012	0.00017	0.00076	0.00022	0.00041	0.00054
Be [mg/L]	< 0.000007	0.000018	0.000007	0.000007	< 0.000007	< 0.000007
B [mg/L]	0.002	< 0.002	0.008	< 0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.64	2.50	3.07	2.38	7.60	3.84
Cd [mg/L]	0.000005	< 0.000003	< 0.000003	< 0.000003	0.000029	< 0.000003
Co [mg/L]	0.000125	0.000063	0.000315	0.000137	0.00160	0.000059
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0008	< 0.0002	0.0006	0.0002	< 0.0002
Fe [mg/L]	< 0.007	0.016	0.032	< 0.007	< 0.007	0.017
K [mg/L]	0.063	0.049	0.047	0.241	0.338	0.339
Li [mg/L]	0.0072	0.0044	0.0035	0.0125	0.0202	0.0048
Mg [mg/L]	0.244	0.121	0.740	0.351	0.211	0.361
Mn [mg/L]	0.00074	0.00813	0.00290	0.00171	0.00759	0.01149

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LR Report : **CA10106-OCT23**

Analysis	9: CV5-WR-HCT-22 Wk#24	10: CV5-WR-HCT-33 Wk#24	11: CV5-WR-HCT-36 Wk#24	12: CV5-WR-HCT-39 Wk#24	13: CV5-WR-HCT-50 Wk#24	14: CV5-WR-HCT-56 Wk#24
Mo [mg/L]	0.00039	0.00007	0.00019	0.00032	0.00057	0.00170
Na [mg/L]	0.31	0.10	0.03	0.13	0.28	0.22
Ni [mg/L]	0.0004	< 0.0001	0.0129	0.0001	0.0012	0.0002
Pb [mg/L]	0.00011	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0080	0.0021	0.682	0.0215	0.0430	< 0.0009
Se [mg/L]	< 0.00004	0.00007	0.00008	0.00010	0.00085	0.00005
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00538	0.00277	0.00480	0.00836	0.00742	0.00509
Ti [mg/L]	0.00017	0.00029	< 0.00007	0.00013	0.00009	0.00016
Tl [mg/L]	< 0.000005	< 0.000005	0.000006	0.000007	0.000021	< 0.000005
U [mg/L]	0.000167	0.000071	0.000119	0.000829	0.00175	0.00256
V [mg/L]	0.00125	0.00066	0.00027	0.00045	0.00013	0.00052
W [mg/L]	0.00004	0.00006	0.00012	0.00007	0.00004	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	0.006	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#24	16: CV5-WR-HCT-62 Wk#24	17: CV5-WR-HCT-64 Wk#24	18: CV5-WR-HCT-69 Wk#24	19: CV5-ORE-HCT-74 Wk#24	20: CV5-ORE-HCT-76 Wk#24
Sample Date & Time	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23
HumCell Leachate Vol [mL]	1000	1005	1010	1000	1004	1010
pH [No unit]	6.64	7.38	7.15	7.36	6.86	7.34
Alkalinity [mg/L as CaCO3]	2	10	6	7	3	8
Conductivity [uS/cm]	12	24	13	15	7	18
Acidity [mg/L as CaCO3]	2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.07	0.31	< 0.03	< 0.03	0.04	0.04
SO4 [mg/L]	2	3	< 2	< 2	< 2	< 2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.005	< 0.001	0.026	0.078	0.021	0.042
As [mg/L]	0.372	1.11	0.0104	0.0063	0.0132	0.0050
Ba [mg/L]	0.00014	0.00049	0.00013	0.00013	< 0.00008	0.00009
Be [mg/L]	< 0.000007	0.000026	< 0.000007	0.000066	0.000013	0.000089
B [mg/L]	0.003	0.002	< 0.002	0.003	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00027	< 0.00001	0.00010
Ca [mg/L]	1.41	3.23	2.05	2.66	0.91	2.91
Cd [mg/L]	0.000039	0.000003	0.000003	0.000013	< 0.000003	0.000003
Co [mg/L]	0.000527	0.000676	0.000006	0.000012	0.000010	0.000014
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0011	< 0.0002	0.0014	0.0002	< 0.0002	0.0004
Fe [mg/L]	0.016	0.010	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.043	0.024	0.305	0.091	0.120	0.437

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LR Report : **CA10106-OCT23**

Analysis	15: CV5-WR-HCT-59 Wk#24	16: CV5-WR-HCT-62 Wk#24	17: CV5-WR-HCT-64 Wk#24	18: CV5-WR-HCT-69 Wk#24	19: CV5-ORE-HCT-74 Wk#24	20: CV5-ORE-HCT-76 Wk#24
Li [mg/L]	0.0021	0.0006	0.0032	0.0028	0.0091	0.0111
Mg [mg/L]	0.302	0.934	0.097	0.040	0.017	0.156
Mn [mg/L]	0.00221	0.00372	0.00520	0.00386	0.0453	0.00214
Mo [mg/L]	0.00014	0.00017	0.00018	0.00026	0.00015	0.00030
Na [mg/L]	0.07	0.02	0.19	0.17	0.10	0.12
Ni [mg/L]	0.0059	0.0146	0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	0.00022	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0060	0.757	0.0020	0.0020	0.0137	0.0017
Se [mg/L]	0.00013	0.00005	< 0.00004	0.00008	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00725	0.00295	0.00340	0.00542	0.00147	0.00795
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000005	< 0.000005	0.000036	0.000007	0.000031	0.000030
U [mg/L]	0.000076	0.000138	0.00132	0.00553	0.00200	0.00230
V [mg/L]	0.00048	0.00025	0.00002	0.00009	< 0.00001	0.00007
W [mg/L]	0.00017	0.00011	0.00026	0.00006	0.00005	0.00011
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.005	< 0.002	< 0.002	0.002	< 0.002	< 0.002

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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13-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. : 14 September 2023
LR Report: **CA10108-SEP23**
Reference: Wk#20

Copy: #2

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#20	6: CV5-WR-HCT-5 Wk#20	7: CV5-WR-HCT-5 (DUP) Wk#20	8: CV5-WR-HCT-14 Wk#20	9: CV5-WR-HCT-22 Wk#20
Sample Date & Time			14-Sep-23	14-Sep-23	14-Sep-23	14-Sep-23	14-Sep-23
HumCell Leachate Vol [mL]	18-Sep-23	15:49	920	918	972	1001	1004
pH [No unit]	19-Sep-23	10:05	6.80	7.11	7.16	7.83	7.04
Alkalinity [mg/L as CaCO3]	15-Sep-23	12:45	3	4	4	13	5
Conductivity [uS/cm]	15-Sep-23	12:45	25	20	17	32	14
Acidity [mg/L as CaCO3]	18-Sep-23	12:16	2	< 2	< 2	< 2	< 2
F [mg/L]	18-Sep-23	09:37	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	15-Sep-23	07:35	< 0.03	0.04	0.03	< 0.03	0.04
SO4 [mg/L]	29-Sep-23	13:25	6	3	3	2	< 2
Cl [mg/L]	29-Sep-23	13:25	2	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	20-Sep-23	14:59	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	20-Sep-23	14:59	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	20-Sep-23	14:59	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	19-Sep-23	10:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	26-Sep-23	14:32	0.00013	0.00011	0.00016	0.00016	0.00013
Al [mg/L]	26-Sep-23	14:32	0.028	0.023	0.022	0.102	0.022
As [mg/L]	26-Sep-23	14:32	0.0053	0.278	0.208	0.0566	0.242
Ba [mg/L]	26-Sep-23	14:32	0.00024	0.00027	0.00021	0.00034	0.00024
Be [mg/L]	26-Sep-23	14:32	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	26-Sep-23	14:32	0.004	0.003	0.003	< 0.002	0.003
Bi [mg/L]	26-Sep-23	14:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	26-Sep-23	14:32	3.20	2.71	2.23	6.27	2.11
Cd [mg/L]	26-Sep-23	14:32	0.000007	0.000004	0.000003	< 0.000003	< 0.000003
Co [mg/L]	26-Sep-23	14:32	0.000092	0.000187	0.000208	0.000074	0.000172
Cr [mg/L]	26-Sep-23	14:32	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	26-Sep-23	14:32	< 0.0002	0.0004	< 0.0002	0.0002	0.0002
Fe [mg/L]	26-Sep-23	14:32	< 0.007	< 0.007	< 0.007	0.007	< 0.007
Fe [mg/L]	10-Oct-23	14:03	---	---	---	---	---
K [mg/L]	26-Sep-23	14:32	0.344	0.169	0.136	0.066	0.078
Li [mg/L]	26-Sep-23	14:32	0.0135	0.0151	0.0120	0.0057	0.0096
Mg [mg/L]	26-Sep-23	14:32	0.476	0.345	0.284	0.332	0.313
Mn [mg/L]	26-Sep-23	14:32	0.00134	0.00190	0.00175	0.00609	0.00071
Mo [mg/L]	26-Sep-23	14:32	0.00033	0.00104	0.00048	0.00051	0.00035
Na [mg/L]	26-Sep-23	14:32	0.23	0.09	0.08	0.29	0.18

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LR Report : **CA10108-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#20	6: CV5-WR-HCT-5 Wk#20	7: CV5-WR-HCT-5 (DUP) Wk#20	8: CV5-WR-HCT-14 Wk#20	9: CV5-WR-HCT-22 Wk#20
Ni [mg/L]	26-Sep-23	14:32	0.0003	0.0012	0.0010	0.0002	0.0006
Pb [mg/L]	26-Sep-23	14:32	0.00043	0.00035	0.00022	< 0.00009	< 0.00009
Sb [mg/L]	28-Sep-23	14:38	0.0045	0.0663	0.0502	0.0102	0.0109
Se [mg/L]	26-Sep-23	14:32	0.00022	0.00009	< 0.00004	0.00010	< 0.00004
Sn [mg/L]	26-Sep-23	14:32	< 0.00006	0.00008	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	26-Sep-23	14:32	0.0118	0.00737	0.00663	0.00620	0.00721
Ti [mg/L]	26-Sep-23	14:32	0.00009	0.00014	< 0.00007	0.00035	0.00016
Tl [mg/L]	26-Sep-23	14:32	0.000017	0.000006	< 0.000005	< 0.000005	0.000006
U [mg/L]	26-Sep-23	14:32	0.00209	0.00191	0.000567	0.000088	0.000234
V [mg/L]	26-Sep-23	14:32	0.00044	0.00072	0.00063	0.00345	0.00161
W [mg/L]	26-Sep-23	14:32	0.00009	0.00016	0.00011	0.00004	0.00006
Y [mg/L]	26-Sep-23	14:32	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	26-Sep-23	14:32	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	26-Sep-23	14:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	26-Sep-23	14:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	26-Sep-23	14:32	0.0074	0.0109	0.0108	0.0022	0.0055
Dy (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	29-Sep-23	14:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Gd (tot) [mg/L]	26-Sep-23	14:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	29-Sep-23	14:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	26-Sep-23	14:32	0.0050	0.0045	0.0037	0.0005	0.0021
Re (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	26-Sep-23	14:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	29-Sep-23	14:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	29-Sep-23	14:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	29-Sep-23	14:17	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	26-Sep-23	14:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	10: CV5-WR-HCT-33 Wk#20	11: CV5-WR-HCT-36 Wk#20	12: CV5-WR-HCT-39 Wk#20	13: CV5-WR-HCT-50 Wk#20	14: CV5-WR-HCT-56 Wk#20	15: CV5-WR-HCT-59 Wk#20	16: CV5-WR-HCT-62 Wk#20
Sample Date & Time	14-Sep-23	14-Sep-23	14-Sep-23	14-Sep-23	14-Sep-23	14-Sep-23	14-Sep-23
HumCell Leachate Vol [mL]	1011	987	941	988	936	980	954

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LR Report : **CA10108-SEP23**

Analysis	10: CV5-WR-HCT-33 Wk#20	11: CV5-WR-HCT-36 Wk#20	12: CV5-WR-HCT-39 Wk#20	13: CV5-WR-HCT-50 Wk#20	14: CV5-WR-HCT-56 Wk#20	15: CV5-WR-HCT-59 Wk#20	16: CV5-WR-HCT-62 Wk#20
pH [No unit]	7.28	7.24	6.83	6.96	7.49	6.77	7.91
Alkalinity [mg/L as CaCO3]	7	8	2	4	6	2	8
Conductivity [uS/cm]	19	23	21	35	25	13	25
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	4	< 2	3	< 2
F [mg/L]	< 0.06	< 0.06	0.13	0.21	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	< 0.03	0.81	< 0.03	< 0.03	< 0.03	0.13	0.24
SO4 [mg/L]	< 2	< 2	6	7	4	2	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	0.00002
Ag [mg/L]	0.00009	0.00009	0.00011	0.00015	0.00011	0.00014	0.00010
Al [mg/L]	0.066	0.002	0.026	0.024	0.037	0.007	0.001
As [mg/L]	0.0054	2.57	0.0345	0.0095	0.0235	0.527	1.16
Ba [mg/L]	0.00028	0.00076	0.00030	0.00028	0.00047	0.00024	0.00055
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	< 0.002	0.012	0.003	< 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
Ca [mg/L]	3.44	3.36	2.77	5.73	3.62	1.69	3.43
Cd [mg/L]	0.000003	< 0.000003	0.000003	0.000023	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000082	0.000231	0.000126	0.00105	0.000057	0.000430	0.000359
Cr [mg/L]	< 0.00008	0.00009	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0004	< 0.0002	< 0.0002	0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.053	< 0.007	< 0.007	< 0.007
Fe [mg/L]	---	---	---	---	---	---	---
K [mg/L]	0.087	0.064	0.305	0.225	0.444	0.083	0.043
Li [mg/L]	0.0059	0.0040	0.0150	0.0092	0.0061	0.0029	0.0007
Mg [mg/L]	0.180	0.816	0.420	0.155	0.427	0.413	0.901
Mn [mg/L]	0.0106	0.00154	0.00161	0.00520	0.00983	0.00146	0.00285
Mo [mg/L]	0.00078	0.00007	0.00019	0.00048	0.00039	0.00040	0.00057
Na [mg/L]	0.15	0.03	0.18	0.07	0.10	0.07	< 0.01
Ni [mg/L]	< 0.0001	0.0118	0.0003	0.0007	0.0001	0.0032	0.0092
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0030	0.920	0.0252	0.0455	< 0.0009	0.0091	1.03
Se [mg/L]	0.00012	0.00010	0.00010	0.00068	0.00008	< 0.00004	0.00015
Sn [mg/L]	< 0.00006	< 0.00006	0.00006	< 0.00006	< 0.00006	< 0.00006	0.00006
Sr [mg/L]	0.00371	0.00531	0.00967	0.00534	0.00503	0.0103	0.00348
Ti [mg/L]	0.00010	< 0.00007	0.00013	< 0.00007	0.00010	0.00012	< 0.00007
Tl [mg/L]	< 0.000005	0.000006	< 0.000005	0.000015	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000047	0.00104	0.000340	0.00363	0.000482	0.000006	0.00628
V [mg/L]	0.00084	0.00036	0.00049	0.00010	0.00062	0.00063	0.00030
W [mg/L]	0.00008	0.00013	0.00009	0.00004	0.00012	0.00028	0.00014
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	0.005	< 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]	0.0050	0.0135	0.0027	0.0307	0.0228	0.0100	0.0030
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

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LR Report : **CA10108-SEP23**

Analysis	10: CV5-WR-HCT-33 Wk#20	11: CV5-WR-HCT-36 Wk#20	12: CV5-WR-HCT-39 Wk#20	13: CV5-WR-HCT-50 Wk#20	14: CV5-WR-HCT-56 Wk#20	15: CV5-WR-HCT-59 Wk#20	16: CV5-WR-HCT-62 Wk#20
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]	0.0008	0.0022	0.0027	0.0083	0.0017	0.0032	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]	< 0.0001	< 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-64 Wk#20	18: CV5-WR-HCT-69 Wk#20	19: CV5-ORE-HCT-74 Wk#20	20: CV5-ORE-HCT-76 Wk#20
Sample Date & Time	14-Sep-23	14-Sep-23	14-Sep-23	14-Sep-23
HumCell Leachate Vol [mL]	953	1009	1006	954
pH [No unit]	6.81	7.50	6.85	7.06
Alkalinity [mg/L as CaCO3]	4	7	3	7
Conductivity [uS/cm]	10	15	6	15
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]	0.00017	0.00009	0.00008	0.00010
Al [mg/L]	0.030	0.097	0.027	0.048
As [mg/L]	0.0134	0.0091	0.0207	0.0057
Ba [mg/L]	0.00010	0.00018	0.00010	0.00014
Be [mg/L]	0.000015	0.000079	0.000012	0.000049
B [mg/L]	< 0.002	< 0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	0.00036	< 0.00001	0.00013
Ca [mg/L]	1.67	2.88	1.15	2.52

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LR Report : **CA10108-SEP23**

Analysis	17: CV5-WR-HCT-64 Wk#20	18: CV5-WR-HCT-69 Wk#20	19: CV5-ORE-HCT-74 Wk#20	20: CV5-ORE-HCT-76 Wk#20
Cd [mg/L]	0.000005	< 0.000003	0.000004	< 0.000003
Co [mg/L]	0.000020	0.000016	0.000012	0.000016
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]	0.064	< 0.007	---	< 0.007
Fe [mg/L]	---	---	< 0.007	---
K [mg/L]	0.371	0.116	0.179	0.527
Li [mg/L]	0.0039	0.0035	0.0122	0.0122
Mg [mg/L]	0.098	0.063	0.026	0.149
Mn [mg/L]	0.00432	0.00306	0.0440	0.00190
Mo [mg/L]	0.00270	0.00030	0.00240	0.00021
Na [mg/L]	0.06	0.17	0.13	0.14
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]	0.0026	0.0032	0.0187	0.0020
Se [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	0.00348	0.00614	0.00206	0.00667
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000045	0.000012	0.000033	0.000028
U [mg/L]	0.00160	0.00839	0.00241	0.00212
V [mg/L]	0.00003	0.00011	0.00002	0.00007
W [mg/L]	0.00009	0.00009	0.00007	0.00012
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]	0.0108	0.0024	0.0127	0.0089
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	0.0003
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]	0.0240	0.0051	0.0185	0.0145
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

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LR Report : **CA10108-SEP23**

Analysis	17: CV5-WR-HCT-64 Wk#20	18: CV5-WR-HCT-69 Wk#20	19: CV5-ORE-HCT-74 Wk#20	20: CV5-ORE-HCT-76 Wk#20
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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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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

00036038

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

00036038

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04-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. : 14 September 2023
LR Report: **CA10109-SEP23**
Reference: Wk#20

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#20	6: CV5-DMS-HC T-84 Wk#20
Sample Date & Time			14-Sep-23	14-Sep-23
HumCell Leachate Vol [mL]	18-Sep-23	15:49	871	974
pH [No unit]	18-Sep-23	12:37	6.59	6.38
Alkalinity [mg/L as CaCO3]	15-Sep-23	12:12	< 2	< 2
Conductivity [uS/cm]	15-Sep-23	12:12	2	2
Acidity [mg/L as CaCO3]	15-Sep-23	12:12	2	2
F [mg/L]	15-Sep-23	09:24	< 0.06	< 0.06
Tot.Reactive P [mg/L]	15-Sep-23	07:35	< 0.03	< 0.03
SO4 [mg/L]	28-Sep-23	13:20	< 2	< 2
Cl [mg/L]	28-Sep-23	15:05	1	< 1
NO2 [as N mg/L]	20-Sep-23	14:59	< 0.03	< 0.03
NO3 [as N mg/L]	20-Sep-23	14:59	< 0.06	< 0.06
Br [mg/L]	20-Sep-23	14:59	< 0.3	< 0.3
Hg [mg/L]	19-Sep-23	10:43	< 0.00001	< 0.00001
Ag [mg/L]	26-Sep-23	14:33	0.00012	0.00009
Al [mg/L]	26-Sep-23	14:33	0.024	0.010
As [mg/L]	26-Sep-23	14:33	0.0079	0.0035
Ba [mg/L]	26-Sep-23	14:33	< 0.00008	< 0.00008
Be [mg/L]	26-Sep-23	14:33	0.000012	0.000010
B [mg/L]	26-Sep-23	14:33	< 0.002	< 0.002
Bi [mg/L]	26-Sep-23	14:33	0.00003	0.00002
Ca [mg/L]	26-Sep-23	14:33	0.43	0.31
Cd [mg/L]	26-Sep-23	14:33	< 0.000003	< 0.000003
Co [mg/L]	26-Sep-23	14:33	0.000007	< 0.000004
Cr [mg/L]	26-Sep-23	14:33	< 0.00008	< 0.00008
Cu [mg/L]	26-Sep-23	14:33	< 0.0002	< 0.0002
Fe [mg/L]	26-Sep-23	14:33	< 0.007	0.007
K [mg/L]	26-Sep-23	14:33	0.129	0.087

OnLine LIMS

0003488603

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LR Report : **CA10109-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#20	6: CV5-DMS-HC T-84 Wk#20
Li [mg/L]	26-Sep-23	14:33	0.0012	0.0010
Mg [mg/L]	26-Sep-23	14:33	0.023	0.014
Mn [mg/L]	26-Sep-23	14:33	0.00145	0.00214
Mo [mg/L]	26-Sep-23	14:33	0.00014	0.00016
Na [mg/L]	26-Sep-23	14:33	0.02	0.01
Ni [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Pb [mg/L]	26-Sep-23	14:33	< 0.00009	< 0.00009
Sb [mg/L]	26-Sep-23	14:33	0.0023	0.0011
Se [mg/L]	26-Sep-23	14:33	< 0.00004	< 0.00004
Sn [mg/L]	26-Sep-23	14:33	< 0.00006	< 0.00006
Sr [mg/L]	26-Sep-23	14:33	0.00111	0.00081
Ti [mg/L]	26-Sep-23	14:33	< 0.00007	< 0.00007
Tl [mg/L]	26-Sep-23	14:33	0.000011	0.000012
U [mg/L]	26-Sep-23	14:33	0.00125	0.00104
V [mg/L]	26-Sep-23	14:33	0.00005	0.00002
W [mg/L]	26-Sep-23	14:33	0.00004	0.00002
Y [mg/L]	26-Sep-23	14:33	< 0.00002	< 0.00002
Zn [mg/L]	26-Sep-23	14:33	< 0.002	< 0.002
Au (tot) [mg/L]	26-Sep-23	14:33	< 0.00001	< 0.00001
Ce (tot) [mg/L]	26-Sep-23	14:33	< 0.00001	< 0.00001
Cs (tot) [mg/L]	26-Sep-23	14:33	0.0018	0.0016
Dy (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Er (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Eu (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Ga (tot) [mg/L]	29-Sep-23	14:25	< 0.0001	< 0.0001
Gd (tot) [mg/L]	26-Sep-23	14:33	< 0.00001	< 0.00001
Ge (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Hf (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Ho (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
In (tot) [mg/L]	29-Sep-23	14:25	< 0.0001	< 0.0001
Ir (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
La (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Lu (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Nb (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Nd (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Os (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Pd (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Pr (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Pt (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Rb (tot) [mg/L]	26-Sep-23	14:33	0.0072	0.0057
Re (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Rh (tot) [mg/L]	26-Sep-23	14:33	< 0.00001	< 0.00001

OnLine LIMS

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LR Report : **CA10109-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#20	6: CV5-DMS-HC T-84 Wk#20
Sc (tot) [mg/L]	29-Sep-23	14:25	< 0.0001	< 0.0001
Sm (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Ta (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Tb (tot) [mg/L]	29-Sep-23	14:25	< 0.0001	< 0.0001
Te (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Th (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001
Tm (tot) [mg/L]	29-Sep-23	14:25	< 0.0001	< 0.0001
Yb (tot) [mg/L]	26-Sep-23	14:33	< 0.0001	< 0.0001

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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04-July-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. : 15 June 2023
LR Report: **CA10113-JUN23**
Reference: Wk#7

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#7	6: CV5-DMS-HCT-8 4 Wk#7
Sample Date & Time			15-Jun-23	15-Jun-23
HumCell Leachate Vol [mL]	22-Jun-23	19:59	993	976
pH [No unit]	19-Jun-23	16:52	6.92	6.86
Alkalinity [mg/L as CaCO3]	19-Jun-23	16:52	3	2
Conductivity [uS/cm]	19-Jun-23	16:52	5	5
Acidity [mg/L as CaCO3]	19-Jun-23	16:52	< 2	< 2
F [mg/L]	16-Jun-23	11:50	< 0.06	< 0.06
SO4 [mg/L]	04-Jul-23	09:35	< 2	< 2
Cl [mg/L]	04-Jul-23	09:35	< 1	< 1
NO2 [as N mg/L]	26-Jun-23	10:50	< 0.03	< 0.03
NO3 [as N mg/L]	26-Jun-23	10:50	< 0.06	< 0.06
Br [mg/L]	26-Jun-23	10:50	< 0.3	< 0.3
Tot.Reactive P [mg/L]	19-Jun-23	13:24	< 0.03	< 0.03
Hg [mg/L]	22-Jun-23	13:37	< 0.00001	< 0.00001
Ag [mg/L]	22-Jun-23	13:37	< 0.00005	< 0.00005
Al [mg/L]	22-Jun-23	13:37	0.029	0.026
As [mg/L]	22-Jun-23	13:37	0.0289	0.0154
Ba [mg/L]	22-Jun-23	13:37	0.00014	0.00012
Be [mg/L]	22-Jun-23	13:37	0.000007	0.000009
B [mg/L]	22-Jun-23	13:37	< 0.002	< 0.002
Bi [mg/L]	22-Jun-23	13:37	0.00002	0.00003
Ca [mg/L]	22-Jun-23	13:37	0.86	0.79
Cd [mg/L]	22-Jun-23	13:38	< 0.000003	< 0.000003
Co [mg/L]	22-Jun-23	13:38	0.000011	0.000008
Cr [mg/L]	22-Jun-23	13:38	< 0.00008	< 0.00008
Cu [mg/L]	22-Jun-23	13:38	< 0.0002	< 0.0002
Fe [mg/L]	22-Jun-23	13:38	< 0.007	< 0.007
K [mg/L]	22-Jun-23	13:38	0.294	0.292
Li [mg/L]	22-Jun-23	13:38	0.0053	0.0054
Mg [mg/L]	22-Jun-23	13:38	0.053	0.046

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00033867777

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LR Report : **CA10113-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#7	6: CV5-DMS-HCT-8 4 Wk#7
Mn [mg/L]	22-Jun-23	13:38	0.00309	0.00342
Mo [mg/L]	22-Jun-23	13:38	0.00028	0.00018
Na [mg/L]	22-Jun-23	13:38	0.16	0.16
Ni [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Pb [mg/L]	22-Jun-23	13:38	< 0.00009	< 0.00009
Sb [mg/L]	22-Jun-23	13:38	0.0112	0.0095
Se [mg/L]	22-Jun-23	13:38	< 0.00004	< 0.00004
Sn [mg/L]	22-Jun-23	13:38	< 0.00006	< 0.00006
Sr [mg/L]	22-Jun-23	13:38	0.00236	0.00215
Ti [mg/L]	22-Jun-23	13:38	< 0.00005	< 0.00005
Tl [mg/L]	22-Jun-23	13:38	0.000020	0.000021
U [mg/L]	22-Jun-23	13:38	0.010358	0.006532
V [mg/L]	22-Jun-23	13:38	0.00004	0.00004
W [mg/L]	22-Jun-23	13:38	0.00023	0.00025
Y [mg/L]	22-Jun-23	13:38	< 0.00002	< 0.00002
Zn [mg/L]	22-Jun-23	13:38	< 0.002	< 0.002
Au (tot) [mg/L]	22-Jun-23	13:38	< 0.00001	< 0.00001
Ce (tot) [mg/L]	22-Jun-23	13:38	< 0.00001	< 0.00001
Cs (tot) [mg/L]	22-Jun-23	13:38	0.0022	0.0023
Dy (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Er (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Eu (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Ga (tot) [mg/L]	22-Jun-23	13:38	0.0003	0.0003
Gd (tot) [mg/L]	22-Jun-23	13:38	< 0.00001	< 0.00001
Ge (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Hf (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Ho (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
In (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Ir (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
La (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Lu (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Nb (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Nd (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Os (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Pd (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Pr (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Pt (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Rb (tot) [mg/L]	22-Jun-23	13:38	0.0146	0.0146
Re (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Rh (tot) [mg/L]	22-Jun-23	13:38	< 0.00001	< 0.00001
Sc (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Sm (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Ta (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Tb (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Te (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001

OnLine LIMS

00033867777

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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10113-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-8 3 Wk#7	6: CV5-DMS-HCT-8 4 Wk#7
Th (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Tm (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001
Yb (tot) [mg/L]	22-Jun-23	13:38	< 0.0001	< 0.0001

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

28-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. : 14 December 2023
LR Report: **CA10114-DEC23**
Reference: Wk#33

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#33	6: CV5-DMS-HCT-84 Wk#33
Sample Date & Time			14-Dec-23	14-Dec-23
HumCell Leachate Vol [mL]	14-Dec-23	15:29	968	946
pH [No unit]	20-Dec-23	12:09	6.07	6.43
Alkalinity [mg/L as CaCO3]	15-Dec-23	13:39	< 2	< 2
Conductivity [uS/cm]	15-Dec-23	13:39	2	2
Acidity [mg/L as CaCO3]	15-Dec-23	13:39	3	3
Tot.Reactive P [mg/L]	21-Dec-23	15:59	< 0.03	< 0.03
SO4 [mg/L]	19-Dec-23	18:55	< 2	< 2
Ag [mg/L]	21-Dec-23	09:04	< 0.00005	< 0.00005
Al [mg/L]	21-Dec-23	09:04	0.011	0.011
As [mg/L]	21-Dec-23	09:04	0.0042	0.0031
Ba [mg/L]	21-Dec-23	09:04	< 0.00008	< 0.00008
Be [mg/L]	21-Dec-23	09:04	0.000009	0.000010
B [mg/L]	21-Dec-23	09:04	< 0.002	< 0.002
Bi [mg/L]	21-Dec-23	09:04	0.00002	0.00003
Ca [mg/L]	21-Dec-23	09:04	0.32	0.33
Cd [mg/L]	21-Dec-23	09:04	< 0.000003	< 0.000003
Co [mg/L]	21-Dec-23	09:04	0.000004	0.000016
Cr [mg/L]	21-Dec-23	09:04	< 0.00008	< 0.00008
Cu [mg/L]	21-Dec-23	09:04	< 0.0002	< 0.0002
Fe [mg/L]	21-Dec-23	09:04	< 0.007	< 0.007
K [mg/L]	21-Dec-23	09:04	0.053	0.052
Li [mg/L]	21-Dec-23	09:04	0.0006	0.0006
Mg [mg/L]	21-Dec-23	09:04	0.014	0.016
Mn [mg/L]	21-Dec-23	09:04	0.00067	0.00123
Mo [mg/L]	21-Dec-23	09:04	0.00257	0.00273
Na [mg/L]	21-Dec-23	09:04	0.02	0.02
Ni [mg/L]	21-Dec-23	09:04	< 0.0001	< 0.0001
Pb [mg/L]	21-Dec-23	09:04	< 0.00009	< 0.00009
Sb [mg/L]	21-Dec-23	09:04	0.0016	0.0015
Se [mg/L]	21-Dec-23	09:04	< 0.00004	< 0.00004
Sn [mg/L]	21-Dec-23	09:04	< 0.00006	< 0.00006
Sr [mg/L]	21-Dec-23	09:04	0.00077	0.00083
Ti [mg/L]	21-Dec-23	09:04	< 0.00007	< 0.00007

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LR Report : **CA10114-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#33	6: CV5-DMS-HCT-84 Wk#33
Tl [mg/L]	21-Dec-23	09:04	0.000007	0.000006
U [mg/L]	21-Dec-23	09:04	0.00114	0.00143
V [mg/L]	21-Dec-23	09:04	0.00002	0.00001
W [mg/L]	21-Dec-23	09:04	< 0.00002	< 0.00002
Y [mg/L]	21-Dec-23	09:04	< 0.00002	< 0.00002
Zn [mg/L]	21-Dec-23	09:04	< 0.002	< 0.002

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003575133

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

05-July-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. : 15 June 2023
LR Report: **CA10114-JUN23**
Reference: Wk#7

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#7	6: CV5-WR-HCT-5 Wk#7	7: CV5-WR-HCT-5 (DUP) Wk#7	8: CV5-WR-HCT-14 Wk#7	9: CV5-WR-HCT-22 Wk#7	10: CV5-WR-HCT-33 Wk#7
Sample Date & Time			15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23
HumCell Leachate Vol [mL]	22-Jun-23	19:59	1000	979	1001	973	995	984
pH [No unit]	19-Jun-23	16:53	7.27	7.30	7.35	8.79	7.29	7.20
Alkalinity [mg/L as CaCO3]	19-Jun-23	16:53	7	7	7	21	6	8
Conductivity [uS/cm]	19-Jun-23	16:53	39	33	27	48	18	20
Acidity [mg/L as CaCO3]	19-Jun-23	16:53	2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	16-Jun-23	11:50	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	04-Jul-23	09:36	8	6	4	4	2	< 2
Cl [mg/L]	04-Jul-23	09:36	< 1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	26-Jun-23	11:04	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	26-Jun-23	11:04	< 0.06	< 0.06	0.07	< 0.06	< 0.06	< 0.06
Br [mg/L]	26-Jun-23	11:04	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	19-Jun-23	13:24	< 0.03	0.11	0.08	0.03	0.07	< 0.03
Hg [mg/L]	22-Jun-23	13:39	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	22-Jun-23	13:39	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	22-Jun-23	13:39	0.035	0.018	0.027	0.119	0.027	0.041
As [mg/L]	22-Jun-23	13:39	0.0083	0.453	0.315	0.0897	0.278	0.0051
Ba [mg/L]	22-Jun-23	13:39	0.00042	0.00037	0.00036	0.00022	0.00018	0.00026
Be [mg/L]	22-Jun-23	13:39	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	22-Jun-23	13:39	0.012	0.011	0.010	0.005	0.007	0.004
Bi [mg/L]	22-Jun-23	13:39	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	22-Jun-23	13:39	4.54	4.09	3.67	7.17	2.29	3.11
Cd [mg/L]	22-Jun-23	13:39	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	22-Jun-23	13:39	0.000121	0.000405	0.000342	0.000066	0.000160	0.000057
Cr [mg/L]	22-Jun-23	13:39	< 0.00008	< 0.00008	0.00010	< 0.00008	0.00014	< 0.00008
Cu [mg/L]	22-Jun-23	13:39	< 0.0002	< 0.0002	0.0003	< 0.0002	< 0.0002	0.0003
Fe [mg/L]	22-Jun-23	13:39	0.007	< 0.007	0.008	< 0.007	0.008	< 0.007
K [mg/L]	22-Jun-23	13:39	0.732	0.347	0.295	0.114	0.122	0.201
Li [mg/L]	22-Jun-23	13:39	0.0270	0.0461	0.0398	0.0078	0.0145	0.0121
Mg [mg/L]	22-Jun-23	13:39	0.790	0.835	0.564	0.601	0.330	0.288
Mn [mg/L]	22-Jun-23	13:39	0.00351	0.00471	0.00435	0.00406	0.00073	0.00849
Mo [mg/L]	22-Jun-23	13:39	0.00184	0.00307	0.00014	0.00008	0.00180	0.00122
Na [mg/L]	22-Jun-23	13:39	1.12	0.52	0.52	1.14	0.86	0.73
Ni [mg/L]	22-Jun-23	13:39	0.0004	0.0046	0.0025	0.0004	0.0008	0.0002

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LR Report : **CA10114-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#7	6: CV5-WR-HCT-5 Wk#7	7: CV5-WR-HCT-5 (DUP) Wk#7	8: CV5-WR-HCT-14 Wk#7	9: CV5-WR-HCT-22 Wk#7	10: CV5-WR-HCT-33 Wk#7
Pb [mg/L]	22-Jun-23	13:39	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	22-Jun-23	13:39	0.0118	0.210	0.118	0.0234	0.0230	0.0080
Se [mg/L]	22-Jun-23	13:39	0.00038	0.00015	0.00013	0.00032	0.00005	0.00012
Sn [mg/L]	22-Jun-23	13:39	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00008
Sr [mg/L]	22-Jun-23	13:39	0.01970	0.01334	0.01252	0.01066	0.00828	0.00450
Ti [mg/L]	22-Jun-23	13:39	0.00043	0.00022	0.00036	0.00036	0.00032	0.00031
Tl [mg/L]	22-Jun-23	13:39	< 0.000005	0.000006	0.000007	< 0.000005	0.000007	0.000005
U [mg/L]	22-Jun-23	13:39	0.000222	0.000300	0.000037	0.003062	0.000195	0.000107
V [mg/L]	22-Jun-23	13:39	0.00046	0.00091	0.00087	0.00526	0.00169	0.00127
W [mg/L]	22-Jun-23	13:39	0.00027	0.00042	0.00074	0.00008	0.00017	0.00038
Y [mg/L]	22-Jun-23	13:39	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	22-Jun-23	13:39	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	22-Jun-23	13:39	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	22-Jun-23	13:39	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002	0.00002
Cs (tot) [mg/L]	22-Jun-23	13:44	0.0121	0.0188	0.0179	0.0030	0.0065	0.0079
Dy (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	22-Jun-23	13:44	0.0002	0.0002	0.0001	0.0003	0.0001	0.0002
Gd (tot) [mg/L]	22-Jun-23	13:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	22-Jun-23	13:44	0.0094	0.0088	0.0074	0.0010	0.0028	0.0017
Re (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	22-Jun-23	13:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	22-Jun-23	13:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-36 Wk#7	12: CV5-WR-HCT-39 Wk#7	13: CV5-WR-HCT-50 Wk#7	14: CV5-WR-HCT-56 Wk#7	15: CV5-WR-HCT-59 Wk#7	16: CV5-WR-HCT-62 Wk#7	17: CV5-WR-HCT-64 Wk#7	18: CV5-WR-HCT-69 Wk#7
Sample Date & Time	15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23	15-Jun-23
HumCell Leachate Vol [mL]	964	986	991	996	984	986	967	984
pH [No unit]	7.46	7.16	7.18	7.42	6.84	7.48	7.22	7.83

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LR Report : **CA10114-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#7	12: CV5-WR-HCT-39 Wk#7	13: CV5-WR-HCT-50 Wk#7	14: CV5-WR-HCT-56 Wk#7	15: CV5-WR-HCT-59 Wk#7	16: CV5-WR-HCT-62 Wk#7	17: CV5-WR-HCT-64 Wk#7	18: CV5-WR-HCT-69 Wk#7
Alkalinity [mg/L as CaCO3]	12	7	13	13	4	12	8	11
Conductivity [uS/cm]	34	38	55	29	20	33	16	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.20	0.31	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	2	10	12	2	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]	1.97	< 0.03	< 0.03	< 0.03	0.21	1.00	< 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]	0.003	0.037	0.061	0.044	0.007	0.002	0.028	0.135
As [mg/L]	6.28	0.0499	0.0223	0.0215	0.837	3.73	0.0454	0.0280
Ba [mg/L]	0.00133	0.00053	0.00064	0.00064	0.00030	0.00157	0.00011	0.00023
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000013	0.000204
B [mg/L]	0.037	0.008	0.004	0.007	0.003	0.007	0.004	0.005
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00074
Ca [mg/L]	4.60	4.53	9.10	4.18	2.35	4.48	2.27	4.17
Cd [mg/L]	< 0.000003	0.000006	0.000020	< 0.000003	< 0.000003	< 0.000003	0.000004	0.000003
Co [mg/L]	0.000461	0.000277	0.001747	0.000073	0.000509	0.000367	0.000032	0.000029
Cr [mg/L]	0.00013	< 0.00008	< 0.00008	< 0.00008	0.00011	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0003	< 0.0002	0.0003	< 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	< 0.007	< 0.007
K [mg/L]	0.110	0.788	1.14	1.17	0.180	0.136	1.04	0.307
Li [mg/L]	0.0079	0.0346	0.0229	0.0136	0.0048	0.0011	0.0131	0.0090
Mg [mg/L]	1.70	0.744	0.581	0.447	0.691	1.65	0.173	0.169
Mn [mg/L]	0.00419	0.00368	0.01045	0.01684	0.00136	0.00465	0.00539	0.00349
Mo [mg/L]	0.00010	0.00291	0.00112	0.00025	0.00013	0.00156	0.00010	0.00114
Na [mg/L]	0.22	1.03	0.29	0.52	0.37	0.32	0.31	0.61
Ni [mg/L]	0.0494	0.0009	0.0018	0.0002	0.0060	0.0448	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]	1.44	0.0593	0.132	0.0015	0.0163	2.70	0.0072	0.0082
Se [mg/L]	0.00014	0.00024	0.00096	0.00012	0.00006	0.00022	< 0.00004	0.00017
Sn [mg/L]	0.00011	0.00009	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007	0.00014
Sr [mg/L]	0.00998	0.01763	0.01212	0.00657	0.01513	0.00568	0.00517	0.00988
Ti [mg/L]	< 0.00005	0.00038	0.00016	0.00040	0.00018	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000008	0.000013	0.000030	< 0.000005	0.000005	< 0.000005	0.000100	0.000015
U [mg/L]	0.000308	0.002714	0.002409	0.006933	0.000070	0.000116	0.004969	0.014327
V [mg/L]	0.00064	0.00063	0.00030	0.00100	0.00085	0.00052	0.00005	0.00028
W [mg/L]	0.00032	0.00029	0.00014	0.00068	0.00106	0.00041	0.00034	0.00039
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	0.003	< 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	0.00003	0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001	0.00001
Cs (tot) [mg/L]	0.0194	0.0059	0.0708	0.0289	0.0140	0.0051	0.0216	0.0047
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	0.0002	0.0002	0.0002	0.0001	< 0.0001	0.0004	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

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LR Report : **CA10114-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#7	12: CV5-WR-HCT-39 Wk#7	13: CV5-WR-HCT-50 Wk#7	14: CV5-WR-HCT-56 Wk#7	15: CV5-WR-HCT-59 Wk#7	16: CV5-WR-HCT-62 Wk#7	17: CV5-WR-HCT-64 Wk#7	18: CV5-WR-HCT-69 Wk#7
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]	0.0039	0.0063	0.0300	0.0036	0.0053	0.0026	0.0559	0.0120
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#7	20: CV5-ORE-HCT-76 Wk#7
Sample Date & Time	15-Jun-23	15-Jun-23
HumCell Leachate Vol [mL]	982	998
pH [No unit]	7.01	7.31
Alkalinity [mg/L as CaCO3]	5	12
Conductivity [uS/cm]	12	24
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	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.037	0.055
As [mg/L]	0.0545	0.0220
Ba [mg/L]	0.00010	0.00012
Be [mg/L]	< 0.000007	0.000058
B [mg/L]	0.003	0.007
Bi [mg/L]	< 0.00001	0.00014
Ca [mg/L]	1.62	3.86
Cd [mg/L]	0.000003	0.000003
Co [mg/L]	0.000032	0.000026

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LR Report : **CA10114-JUN23**

Analysis	19: CV5-ORE-HCT-74 Wk#7	20: CV5-ORE-HCT-76 Wk#7
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0003
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.515	1.24
Li [mg/L]	0.0391	0.0245
Mg [mg/L]	0.055	0.234
Mn [mg/L]	0.03340	0.00350
Mo [mg/L]	0.00029	0.00008
Na [mg/L]	0.54	0.57
Ni [mg/L]	0.0001	0.0005
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0427	0.0054
Se [mg/L]	< 0.00004	0.00007
Sn [mg/L]	0.00018	0.00008
Sr [mg/L]	0.00290	0.01085
Ti [mg/L]	< 0.00005	< 0.00005
Tl [mg/L]	0.000070	0.000056
U [mg/L]	0.009223	0.003308
V [mg/L]	0.00004	0.00017
W [mg/L]	0.00021	0.00039
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]	0.0265	0.0152
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]	0.0005	0.0005
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]	0.0487	0.0288
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

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LR Report : **CA10114-JUN23**

Analysis	19: CV5-ORE-HCT-74 Wk#7	20: CV5-ORE-HCT-76 Wk#7
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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02-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. : 14 December 2023
LR Report: **CA10115-DEC23**
Reference: Wk#33

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#33	6: CV5-WR-HCT-5 Wk#33	7: CV5-WR-HCT-5 (DUP) Wk#33	8: CV5-WR-HCT-14 Wk#33
Sample Date & Time			14-Dec-23	14-Dec-23	14-Dec-23	14-Dec-23
HumCell Leachate Vol [mL]	14-Dec-23	15:29	927	908	940	957
pH [No unit]	19-Dec-23	13:28	6.81	7.00	6.83	7.51
Alkalinity [mg/L as CaCO3]	19-Dec-23	13:15	2	3	3	13
Conductivity [uS/cm]	18-Dec-23	11:54	25	17	13	28
Acidity [mg/L as CaCO3]	19-Dec-23	13:16	< 2	< 2	< 2	< 2
F [mg/L]	29-Dec-23	14:56	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	21-Dec-23	15:59	< 0.03	0.04	0.03	< 0.03
SO4 [mg/L]	19-Dec-23	18:56	8	3	2	< 2
Ag [mg/L]	21-Dec-23	09:03	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	21-Dec-23	09:03	0.022	0.018	0.019	0.132
As [mg/L]	21-Dec-23	09:03	0.0035	0.173	0.115	0.0382
Ba [mg/L]	21-Dec-23	09:03	0.00021	0.00019	0.00014	0.00011
Be [mg/L]	21-Dec-23	09:03	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	21-Dec-23	09:03	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	21-Dec-23	09:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	21-Dec-23	09:03	3.81	2.70	2.05	5.23
Cd [mg/L]	21-Dec-23	09:03	< 0.000003	0.000008	0.000003	< 0.000003
Co [mg/L]	21-Dec-23	09:03	0.000077	0.000229	0.000216	0.000058
Cr [mg/L]	21-Dec-23	09:03	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	21-Dec-23	09:03	< 0.0002	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	21-Dec-23	09:03	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	21-Dec-23	09:03	0.160	0.082	0.064	0.033
Li [mg/L]	21-Dec-23	09:03	0.0071	0.0081	0.0063	0.0045
Mg [mg/L]	21-Dec-23	09:03	0.301	0.188	0.151	0.222
Mn [mg/L]	21-Dec-23	09:03	0.00108	0.00131	0.00145	0.00538
Mo [mg/L]	21-Dec-23	09:03	0.00021	0.0171	0.00047	0.00034
Na [mg/L]	21-Dec-23	09:03	0.11	0.07	0.05	0.17

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LR Report : **CA10115-DEC23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#33	6: CV5-WR-HCT-5 Wk#33	7: CV5-WR-HCT-5 (DUP) Wk#33	8: CV5-WR-HCT-14 Wk#33
Ni [mg/L]	21-Dec-23	09:03	0.0002	0.0014	0.0009	0.0002
Pb [mg/L]	21-Dec-23	09:03	0.00014	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	21-Dec-23	09:03	0.0032	0.0448	0.0242	0.0054
Se [mg/L]	21-Dec-23	09:03	0.00014	< 0.00004	< 0.00004	0.00009
Sn [mg/L]	21-Dec-23	09:03	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	21-Dec-23	09:03	0.0107	0.00577	0.00471	0.00449
Ti [mg/L]	21-Dec-23	09:03	< 0.00007	< 0.00007	< 0.00007	0.00013
Tl [mg/L]	21-Dec-23	09:03	< 0.000005	0.000006	< 0.000005	< 0.000005
U [mg/L]	21-Dec-23	09:03	0.000255	0.00176	0.000164	0.0159
V [mg/L]	21-Dec-23	09:03	0.00029	0.00045	0.00039	0.00236
W [mg/L]	21-Dec-23	09:03	0.00004	0.00007	0.00007	< 0.00002
Y [mg/L]	21-Dec-23	09:03	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	21-Dec-23	09:03	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#33	10: CV5-WR-HCT-33 Wk#33	11: CV5-WR-HCT-36 Wk#33	12: CV5-WR-HCT-39 Wk#33	13: CV5-WR-HCT-50 Wk#33	14: CV5-WR-HCT-56 Wk#33
Sample Date & Time	14-Dec-23	14-Dec-23	14-Dec-23	14-Dec-23	14-Dec-23	14-Dec-23
HumCell Leachate Vol [mL]	960	982	954	931	946	947
pH [No unit]	6.91	7.23	7.17	6.55	6.95	7.19
Alkalinity [mg/L as CaCO3]	4	7	6	< 2	5	6
Conductivity [uS/cm]	10	18	17	19	54	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	<2	6	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	0.11	0.24	< 0.06
Tot.Reactive P [mg/L]	0.04	< 0.03	0.42	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	5	12	4
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.018	0.055	0.002	0.013	0.025	0.032
As [mg/L]	0.146	0.0052	1.39	0.0215	0.0054	0.0134
Ba [mg/L]	0.00009	0.00016	0.00057	0.00017	0.00035	0.00033
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]	1.60	2.82	2.48	2.29	7.45	3.72
Cd [mg/L]	< 0.000003	< 0.000003	0.000004	0.000005	0.000032	< 0.000003
Co [mg/L]	0.000120	0.000052	0.000291	0.000132	0.00190	0.000062
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0003	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]	0.035	0.049	0.048	0.155	0.236	0.174
Li [mg/L]	0.0058	0.0044	0.0029	0.0086	0.0167	0.0031

OnLine LIMS

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SGS Canada Inc.
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LR Report : **CA10115-DEC23**

Analysis	9: CV5-WR-HCT-22 Wk#33	10: CV5-WR-HCT-33 Wk#33	11: CV5-WR-HCT-36 Wk#33	12: CV5-WR-HCT-39 Wk#33	13: CV5-WR-HCT-50 Wk#33	14: CV5-WR-HCT-56 Wk#33
Mg [mg/L]	0.213	0.128	0.546	0.301	0.139	0.221
Mn [mg/L]	0.00042	0.00941	0.00193	0.00153	0.00803	0.00680
Mo [mg/L]	0.00476	0.00018	0.00236	0.00064	0.00224	0.00017
Na [mg/L]	0.10	0.09	0.02	0.09	0.13	0.05
Ni [mg/L]	0.0003	< 0.0001	0.0091	0.0003	0.0014	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0067	0.0027	0.571	0.0153	0.0282	< 0.0009
Se [mg/L]	< 0.00004	0.00007	0.00004	0.00008	0.00064	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00517	0.00298	0.00329	0.00759	0.00679	0.00423
Ti [mg/L]	0.00009	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	0.000009	0.000005	< 0.000005	0.000023	< 0.000005
U [mg/L]	0.000301	0.00310	0.000036	0.000320	0.00966	0.000581
V [mg/L]	0.00103	0.00058	0.00017	0.00026	0.00008	0.00031
W [mg/L]	0.00003	0.00004	0.00008	0.00004	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#33	16: CV5-WR-HCT-62 Wk#33	17: CV5-WR-HCT-64 Wk#33	18: CV5-WR-HCT-69 Wk#33	19: CV5-ORE-HCT-74 Wk#33	20: CV5-ORE-HCT-76 Wk#33
Sample Date & Time	14-Dec-23	14-Dec-23	14-Dec-23	14-Dec-23	14-Dec-23	14-Dec-23
HumCell Leachate Vol [mL]	957	921	971	964	978	972
pH [No unit]	6.56	7.04	6.90	7.26	6.60	7.12
Alkalinity [mg/L as CaCO3]	2	6	4	6	2	5
Conductivity [uS/cm]	12	22	13	13	5	12
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
Tot.Reactive P [mg/L]	0.07	0.15	< 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]	0.006	< 0.001	0.023	0.073	0.017	0.029
As [mg/L]	0.297	0.569	0.0072	0.0047	0.0110	0.0025
Ba [mg/L]	0.00058	0.00029	< 0.00008	0.00014	0.00009	0.00011
Be [mg/L]	< 0.000007	< 0.000007	0.000007	0.000071	0.000010	0.000042
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00022	< 0.00001	0.00007
Ca [mg/L]	1.47	2.43	1.91	2.42	0.90	2.27
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000579	0.000643	0.000007	0.000007	0.000008	0.000035
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008

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LR Report : **CA10115-DEC23**

Analysis	15: CV5-WR-HCT-59 Wk#33	16: CV5-WR-HCT-62 Wk#33	17: CV5-WR-HCT-64 Wk#33	18: CV5-WR-HCT-69 Wk#33	19: CV5-ORE-HCT-74 Wk#33	20: CV5-ORE-HCT-76 Wk#33
Cu [mg/L]	0.0002	< 0.0002	< 0.0002	0.0006	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.036	0.014	0.177	0.065	0.100	0.253
Li [mg/L]	0.0019	0.0004	0.0020	0.0019	0.0074	0.0073
Mg [mg/L]	0.306	0.667	0.063	0.036	0.018	0.109
Mn [mg/L]	0.00153	0.00291	0.00491	0.00272	0.0569	0.00150
Mo [mg/L]	0.00025	0.00013	0.00019	0.00008	0.00070	0.00206
Na [mg/L]	0.04	< 0.01	0.03	0.11	0.11	0.09
Ni [mg/L]	0.0051	0.0104	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0056	0.524	0.0016	0.0017	0.0122	0.0010
Se [mg/L]	< 0.00004	0.00006	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00009
Sr [mg/L]	0.00707	0.00164	0.00279	0.00444	0.00139	0.00582
Ti [mg/L]	0.00012	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000035	0.000005	0.000026	0.000021
U [mg/L]	0.000010	0.000088	0.00258	0.00436	0.00133	0.00186
V [mg/L]	0.00034	0.00013	0.00002	0.00007	< 0.00001	0.00004
W [mg/L]	0.00010	0.00006	0.00005	0.00004	0.00004	0.00005
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	< 0.002	< 0.002

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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. : 16 November 2023
LR Report: **CA10134-NOV23**
Reference: Wk#29

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#29	6: CV5-DMS-HCT-84 Wk#29
Sample Date & Time			16-Nov-23	16-Nov-23
HumCell Leachate Vol [mL]	20-Nov-23	15:34	1019	1016
pH [No unit]	17-Nov-23	11:29	6.28	6.27
Alkalinity [mg/L as CaCO3]	17-Nov-23	11:29	< 2	< 2
Conductivity [uS/cm]	17-Nov-23	11:29	2	< 2
Acidity [mg/L as CaCO3]	17-Nov-23	11:29	< 2	< 2
Tot.Reactive P [mg/L]	17-Nov-23	09:53	< 0.03	< 0.03
SO4 [mg/L]	22-Nov-23	16:47	< 2	< 2
Ag [mg/L]	24-Nov-23	09:58	< 0.00005	< 0.00005
Al [mg/L]	24-Nov-23	09:58	0.010	0.009
As [mg/L]	24-Nov-23	09:58	0.0053	0.0030
Ba [mg/L]	24-Nov-23	09:58	0.00013	< 0.00008
Be [mg/L]	24-Nov-23	09:58	0.000009	0.000009
B [mg/L]	24-Nov-23	09:58	< 0.002	< 0.002
Bi [mg/L]	24-Nov-23	09:58	0.00002	0.00003
Ca [mg/L]	24-Nov-23	09:58	0.36	0.30
Cd [mg/L]	24-Nov-23	09:58	< 0.000003	0.000004
Co [mg/L]	24-Nov-23	09:58	0.000010	< 0.000004
Cr [mg/L]	24-Nov-23	09:58	< 0.00008	< 0.00008
Cu [mg/L]	24-Nov-23	09:58	< 0.0002	0.0003
Fe [mg/L]	24-Nov-23	09:58	< 0.007	< 0.007
K [mg/L]	24-Nov-23	09:58	0.052	0.037
Li [mg/L]	24-Nov-23	09:58	0.0005	0.0006
Mg [mg/L]	24-Nov-23	09:58	0.014	0.012
Mn [mg/L]	24-Nov-23	09:58	0.00117	0.00136
Mo [mg/L]	24-Nov-23	09:58	0.00005	0.00014
Na [mg/L]	24-Nov-23	09:58	< 0.01	< 0.01
Ni [mg/L]	24-Nov-23	09:58	< 0.0001	< 0.0001
Pb [mg/L]	24-Nov-23	09:58	< 0.00009	< 0.00009
Sb [mg/L]	24-Nov-23	09:58	0.0024	0.0019
Se [mg/L]	24-Nov-23	09:58	< 0.00004	< 0.00004
Sn [mg/L]	24-Nov-23	09:58	< 0.00006	< 0.00006
Sr [mg/L]	24-Nov-23	09:58	0.00102	0.00086
Ti [mg/L]	24-Nov-23	09:58	< 0.00007	< 0.00007

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LR Report : **CA10134-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#29	6: CV5-DMS-HCT-84 Wk#29
Tl [mg/L]	24-Nov-23	09:58	0.000011	0.000012
U [mg/L]	24-Nov-23	09:58	0.00255	0.00173
V [mg/L]	24-Nov-23	09:58	0.00002	0.00002
W [mg/L]	24-Nov-23	09:58	0.00005	< 0.00002
Y [mg/L]	24-Nov-23	09:58	< 0.00002	< 0.00002
Zn [mg/L]	24-Nov-23	09:58	< 0.002	< 0.002

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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. : 16 November 2023
LR Report: **CA10135-NOV23**
Reference: Wk#29

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#29	6: CV5-WR-HCT-5 Wk#29	7: CV5-WR-HCT-5 (DUP) Wk#29	8: CV5-WR-HCT-14 Wk#29
Sample Date & Time			16-Nov-23	16-Nov-23	16-Nov-23	16-Nov-23
HumCell Leachate Vol [mL]	20-Nov-23	15:34	935	928	953	971
pH [No unit]	17-Nov-23	11:32	6.80	7.00	6.93	7.65
Alkalinity [mg/L as CaCO3]	20-Nov-23	11:18	2	4	3	11
Conductivity [uS/cm]	17-Nov-23	11:32	24	17	14	27
Acidity [mg/L as CaCO3]	21-Nov-23	10:07	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	17-Nov-23	09:53	< 0.03	0.04	< 0.03	< 0.03
SO4 [mg/L]	22-Nov-23	16:47	7	3	2	< 2
Ag [mg/L]	24-Nov-23	10:02	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	24-Nov-23	10:02	0.017	0.021	0.023	0.083
As [mg/L]	24-Nov-23	10:02	0.0039	0.203	0.151	0.0377
Ba [mg/L]	24-Nov-23	10:02	0.00027	0.00018	0.00017	0.00013
Be [mg/L]	24-Nov-23	10:02	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	24-Nov-23	10:02	0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	24-Nov-23	10:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	24-Nov-23	10:02	2.84	2.48	2.02	4.71
Cd [mg/L]	24-Nov-23	10:02	0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	24-Nov-23	10:02	0.000071	0.000204	0.000222	0.000051
Cr [mg/L]	24-Nov-23	10:02	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	24-Nov-23	10:02	0.0003	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	24-Nov-23	10:02	< 0.007	< 0.007	< 0.007	0.007
K [mg/L]	24-Nov-23	10:02	0.162	0.087	0.068	0.020
Li [mg/L]	24-Nov-23	10:02	0.0071	0.0077	0.0063	0.0030
Mg [mg/L]	24-Nov-23	10:02	0.274	0.195	0.173	0.193
Mn [mg/L]	24-Nov-23	10:02	0.00132	0.00172	0.00178	0.00597
Mo [mg/L]	24-Nov-23	10:02	0.00059	< 0.00004	< 0.00004	< 0.00004
Na [mg/L]	24-Nov-23	10:02	0.10	0.04	0.04	0.14
Ni [mg/L]	24-Nov-23	10:02	0.0003	0.0013	0.0009	0.0001

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LR Report : **CA10135-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#29	6: CV5-WR-HCT-5 Wk#29	7: CV5-WR-HCT-5 (DUP) Wk#29	8: CV5-WR-HCT-14 Wk#29
Pb [mg/L]	24-Nov-23	10:03	< 0.00009	< 0.00009	0.00023	< 0.00009
Sb [mg/L]	24-Nov-23	10:03	0.0032	0.0463	0.0263	0.0043
Se [mg/L]	24-Nov-23	10:03	0.00016	0.00005	0.00004	0.00011
Sn [mg/L]	24-Nov-23	10:03	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	24-Nov-23	10:03	0.00948	0.00602	0.00558	0.00411
Ti [mg/L]	24-Nov-23	10:03	0.00009	< 0.00007	0.00009	0.00033
Tl [mg/L]	24-Nov-23	10:03	< 0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	24-Nov-23	10:03	0.000112	0.000490	0.000026	0.000357
V [mg/L]	24-Nov-23	10:03	0.00022	0.00053	0.00045	0.00228
W [mg/L]	24-Nov-23	10:03	0.00004	0.00005	0.00006	0.00003
Y [mg/L]	24-Nov-23	10:03	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	24-Nov-23	10:03	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#29	10: CV5-WR-HCT-33 Wk#29	11: CV5-WR-HCT-36 Wk#29	12: CV5-WR-HCT-39 Wk#29	13: CV5-WR-HCT-50 Wk#29	14: CV5-WR-HCT-56 Wk#29
Sample Date & Time	16-Nov-23	16-Nov-23	16-Nov-23	16-Nov-23	16-Nov-23	16-Nov-23
HumCell Leachate Vol [mL]	976	975	972	959	957	960
pH [No unit]	6.91	7.26	7.17	6.60	6.47	7.35
Alkalinity [mg/L as CaCO3]	3	6	6	2	2	6
Conductivity [uS/cm]	9	14	17	16	35	28
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	9	< 2
Tot.Reactive P [mg/L]	0.08	< 0.03	0.42	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	4	10	5
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.030	0.055	0.003	0.019	0.006	0.034
As [mg/L]	0.171	0.0041	1.44	0.0201	0.0035	0.0169
Ba [mg/L]	0.00016	0.00021	0.00058	0.00040	0.00030	0.00051
Be [mg/L]	0.000007	< 0.000007	< 0.000007	0.000011	< 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]	1.28	2.36	2.27	1.72	5.12	4.04
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	0.000047	< 0.000003
Co [mg/L]	0.000150	0.000049	0.000223	0.000177	0.00233	0.000053
Cr [mg/L]	0.00012	< 0.00008	0.00010	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0006	0.0003	0.0002	0.0003	< 0.0002
Fe [mg/L]	0.011	< 0.007	< 0.007	0.011	< 0.007	< 0.007
K [mg/L]	0.027	0.040	0.041	0.141	0.121	0.240
Li [mg/L]	0.0054	0.0029	0.0019	0.0078	0.0066	0.0033
Mg [mg/L]	0.204	0.106	0.475	0.228	0.116	0.282
Mn [mg/L]	0.00075	0.00933	0.00172	0.00184	0.00615	0.00718

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

LR Report : **CA10135-NOV23**

Analysis	9: CV5-WR-HCT-22 Wk#29	10: CV5-WR-HCT-33 Wk#29	11: CV5-WR-HCT-36 Wk#29	12: CV5-WR-HCT-39 Wk#29	13: CV5-WR-HCT-50 Wk#29	14: CV5-WR-HCT-56 Wk#29
Mo [mg/L]	0.00025	0.00005	0.00029	0.00058	0.00011	< 0.00004
Na [mg/L]	0.10	0.10	0.02	0.08	0.08	0.06
Ni [mg/L]	0.0005	0.0001	0.0075	0.0005	0.0020	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00009	< 0.00009	0.00014
Sb [mg/L]	0.0071	0.0013	0.584	0.0134	0.0139	< 0.0009
Se [mg/L]	0.00005	0.00010	< 0.00004	0.00008	0.00054	< 0.00004
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00487	0.00234	0.00333	0.00621	0.00523	0.00490
Ti [mg/L]	0.00046	0.00018	< 0.00007	0.00025	0.00009	0.00008
Tl [mg/L]	0.000005	< 0.000005	0.000005	0.000007	0.000014	< 0.000005
U [mg/L]	0.000165	0.000216	0.00282	0.000225	0.00126	0.000388
V [mg/L]	0.00110	0.00060	0.00021	0.00030	0.00003	0.00044
W [mg/L]	0.00004	0.00004	0.00007	0.00003	< 0.00002	0.00006
Y [mg/L]	< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.017	0.002

Analysis	15: CV5-WR-HCT-59 Wk#29	16: CV5-WR-HCT-62 Wk#29	17: CV5-WR-HCT-64 Wk#29	18: CV5-WR-HCT-69 Wk#29	19: CV5-ORE-HCT-74 Wk#29	20: CV5-ORE-HCT-76 Wk#29
Sample Date & Time	16-Nov-23	16-Nov-23	16-Nov-23	16-Nov-23	16-Nov-23	16-Nov-23
HumCell Leachate Vol [mL]	962	947	964	982	992	955
pH [No unit]	6.53	7.43	6.81	7.03	6.60	7.13
Alkalinity [mg/L as CaCO3]	< 2	8	2	4	2	5
Conductivity [uS/cm]	17	24	5	9	4	13
Acidity [mg/L as CaCO3]	2	< 2	< 2	2	< 2	< 2
Tot.Reactive P [mg/L]	0.09	0.24	< 0.03	< 0.03	< 0.03	0.04
SO4 [mg/L]	4	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	0.029	0.052	0.017	0.077
As [mg/L]	0.268	0.805	0.0064	0.0032	0.0100	0.0037
Ba [mg/L]	0.00020	0.00044	0.00010	0.00014	0.00013	0.00018
Be [mg/L]	< 0.000007	< 0.000007	0.000011	0.000108	< 0.000007	0.000106
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00017	< 0.00001	0.00015
Ca [mg/L]	1.80	2.98	0.88	1.61	0.66	1.78
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	0.000597	0.000408	0.000011	0.000019	0.000011	0.000025
Cr [mg/L]	0.00023	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	0.0004	0.0002	0.0002	0.0003
Fe [mg/L]	0.012	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.016	0.013	0.185	0.050	0.086	0.286

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LR Report : **CA10135-NOV23**

Analysis	15: CV5-WR-HCT-59 Wk#29	16: CV5-WR-HCT-62 Wk#29	17: CV5-WR-HCT-64 Wk#29	18: CV5-WR-HCT-69 Wk#29	19: CV5-ORE-HCT-74 Wk#29	20: CV5-ORE-HCT-76 Wk#29
Li [mg/L]	0.0016	0.0004	0.0017	0.0014	0.0060	0.0068
Mg [mg/L]	0.311	0.797	0.047	0.030	0.014	0.104
Mn [mg/L]	0.00157	0.00251	0.00299	0.00246	0.0388	0.00206
Mo [mg/L]	< 0.00004	0.00009	< 0.00004	0.00010	0.00032	0.00006
Na [mg/L]	0.03	< 0.01	0.03	0.10	0.08	0.09
Ni [mg/L]	0.0043	0.0086	0.0001	0.0001	0.0002	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0052	0.711	0.0018	0.0014	0.0106	0.0010
Se [mg/L]	< 0.00004	0.00012	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006	0.00013
Sr [mg/L]	0.00955	0.00252	0.00171	0.00353	0.00123	0.00493
Ti [mg/L]	0.00026	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000040	0.000007	0.000031	0.000037
U [mg/L]	0.000018	0.000993	0.000729	0.00390	0.00152	0.00234
V [mg/L]	0.00028	0.00018	0.00001	0.00005	0.00001	0.00005
W [mg/L]	0.00013	0.00007	0.00004	0.00004	0.00005	0.00006
Y [mg/L]	< 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

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Project Specialist Assistant,
Environment, Health & Safety

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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. : 20 July 2023
LR Report: **CA10152-JUL23**
Reference: Wk#12 - 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#12	6: CV5-DMS-HC T-84 Wk#12
Sample Date & Time			20-Jul-23	20-Jul-23
HumCell Leachate Vol [mL]	21-Jul-23	10:17	964	953
pH [No unit]	26-Jul-23	11:06	6.69	6.70
Alkalinity [mg/L as CaCO3]	26-Jul-23	11:06	< 2	< 2
Conductivity [uS/cm]	26-Jul-23	11:06	5	6
Acidity [mg/L as CaCO3]	26-Jul-23	11:06	4	5
SO4 [mg/L]	31-Jul-23	15:52	< 2	< 2
Tot.Reactive P [mg/L]	21-Jul-23	15:29	< 0.03	< 0.03
Ag [mg/L]	25-Jul-23	17:15	< 0.00005	< 0.00005
Al [mg/L]	25-Jul-23	17:15	0.023	0.024
As [mg/L]	25-Jul-23	17:15	0.0143	0.0069
Ba [mg/L]	25-Jul-23	17:15	0.00010	< 0.00008
Be [mg/L]	25-Jul-23	17:15	0.000009	0.000007
B [mg/L]	25-Jul-23	17:15	< 0.002	< 0.002
Bi [mg/L]	25-Jul-23	17:15	0.00003	0.00003
Ca [mg/L]	25-Jul-23	17:15	0.46	0.44
Cd [mg/L]	25-Jul-23	17:15	< 0.000003	< 0.000003
Co [mg/L]	25-Jul-23	17:15	0.000005	0.000008
Cr [mg/L]	25-Jul-23	17:15	< 0.00008	< 0.00008
Cu [mg/L]	25-Jul-23	17:15	< 0.0002	< 0.0002
Fe [mg/L]	25-Jul-23	17:15	< 0.007	< 0.007
K [mg/L]	25-Jul-23	17:15	0.159	0.155
Li [mg/L]	25-Jul-23	17:15	0.0019	0.0020
Mg [mg/L]	25-Jul-23	17:15	0.024	0.024
Mn [mg/L]	25-Jul-23	17:15	0.00165	0.00236
Mo [mg/L]	25-Jul-23	17:15	0.00008	0.00028

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10152-JUL23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#12	6: CV5-DMS-HC T-84 Wk#12
Na [mg/L]	25-Jul-23	17:15	0.05	0.05
Ni [mg/L]	25-Jul-23	17:15	< 0.0001	< 0.0001
Pb [mg/L]	25-Jul-23	17:15	< 0.00009	< 0.00009
Sb [mg/L]	25-Jul-23	17:15	0.0029	0.0021
Se [mg/L]	25-Jul-23	17:15	< 0.00004	< 0.00004
Sn [mg/L]	25-Jul-23	17:15	< 0.00006	< 0.00006
Sr [mg/L]	25-Jul-23	17:15	0.00118	0.00112
Ti [mg/L]	25-Jul-23	17:15	< 0.00007	< 0.00007
Tl [mg/L]	25-Jul-23	17:15	0.000017	0.000014
U [mg/L]	25-Jul-23	17:15	0.002189	0.002818
V [mg/L]	25-Jul-23	17:15	0.00003	0.00003
W [mg/L]	25-Jul-23	17:15	0.00005	0.00004
Y [mg/L]	25-Jul-23	17:15	< 0.00002	< 0.00002
Zn [mg/L]	25-Jul-23	17:15	< 0.002	< 0.002

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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. : 18 May 2023
LR Report: **CA10152-MAY23**
Reference: Wk#3 - Patriot Tailings

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#3	6: CV5-DMS-HCT-84 Wk#3
Sample Date & Time			18-May-23	18-May-23
HumCell Leachate Vol [mL]	19-May-23	11:27	978	947
pH [No unit]	19-May-23	13:17	7.01	7.01
Alkalinity [mg/L as CaCO3]	19-May-23	13:17	4	4
Conductivity [uS/cm]	19-May-23	13:17	11	12
Acidity [mg/L as CaCO3]	19-May-23	13:17	3	4
F [mg/L]	19-May-23	12:11	< 0.06	< 0.06
SO4 [mg/L]	25-May-23	12:25	< 2	< 2
Cl [mg/L]	25-May-23	12:25	< 1	< 1
NO2 [as N mg/L]	26-May-23	17:08	< 0.03	< 0.03
NO3 [as N mg/L]	26-May-23	17:08	< 0.06	< 0.06
Br [mg/L]	26-May-23	17:08	< 0.3	< 0.3
Tot.Reactive P [mg/L]	23-May-23	08:49	< 0.03	< 0.03
Hg [mg/L]	19-May-23	11:31	< 0.00001	< 0.00001
Ag [mg/L]	29-May-23	10:45	< 0.00005	< 0.00005
Al [mg/L]	29-May-23	10:45	0.035	0.038
As [mg/L]	29-May-23	10:45	0.0495	0.0197
Ba [mg/L]	29-May-23	10:45	0.00009	0.00009
Be [mg/L]	29-May-23	10:45	0.000016	0.000007
B [mg/L]	29-May-23	10:45	0.003	0.003
Bi [mg/L]	29-May-23	10:45	0.00004	0.00004
Ca [mg/L]	29-May-23	10:45	0.60	0.61
Cd [mg/L]	29-May-23	10:45	0.000018	0.000016
Co [mg/L]	29-May-23	10:45	0.000024	0.000026
Cr [mg/L]	29-May-23	10:45	0.00012	0.00010
Cu [mg/L]	29-May-23	10:45	0.0004	0.0004
Fe [mg/L]	29-May-23	10:45	< 0.007	< 0.007
K [mg/L]	29-May-23	10:45	0.386	0.380
Li [mg/L]	29-May-23	10:45	0.0138	0.0135
Mg [mg/L]	29-May-23	10:45	0.041	0.037

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LR Report : **CA10152-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#3	6: CV5-DMS-HCT-84 Wk#3
Mn [mg/L]	29-May-23	10:45	0.00184	0.00193
Mo [mg/L]	29-May-23	10:45	0.00037	0.00050
Na [mg/L]	29-May-23	10:45	0.34	0.33
Ni [mg/L]	29-May-23	10:45	0.0002	0.0003
Pb [mg/L]	29-May-23	10:45	< 0.00009	< 0.00009
Sb [mg/L]	29-May-23	10:45	0.0086	0.0064
Se [mg/L]	29-May-23	10:45	< 0.00004	< 0.00004
Sn [mg/L]	29-May-23	10:45	0.00010	0.00008
Sr [mg/L]	29-May-23	10:45	0.00167	0.00159
Ti [mg/L]	29-May-23	10:45	0.00044	0.00017
Tl [mg/L]	29-May-23	10:45	0.000022	0.000026
U [mg/L]	29-May-23	10:45	0.00822	0.00883
V [mg/L]	29-May-23	10:45	0.00007	0.00007
W [mg/L]	29-May-23	10:45	0.00053	0.00051
Y [mg/L]	29-May-23	10:45	< 0.00002	< 0.00002
Zn [mg/L]	29-May-23	10:45	0.004	0.004
Au (tot) [mg/L]	29-May-23	10:45	< 0.00001	< 0.00001
Ce (tot) [mg/L]	29-May-23	10:45	0.00002	0.00002
Cs (tot) [mg/L]	29-May-23	10:45	0.0024	0.0024
Dy (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Er (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Eu (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Ga (tot) [mg/L]	30-May-23	13:24	0.0001	0.0001
Gd (tot) [mg/L]	29-May-23	10:45	< 0.00001	< 0.00001
Ge (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Hf (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Ho (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
In (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001
Ir (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
La (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Lu (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Nb (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Nd (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Os (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Pd (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Pr (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Pt (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Rb (tot) [mg/L]	29-May-23	10:45	0.0177	0.0177
Re (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Rh (tot) [mg/L]	29-May-23	10:45	< 0.00001	< 0.00001
Sc (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001
Sm (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Ta (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Tb (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001
Te (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001

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LR Report : **CA10152-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#3	6: CV5-DMS-HCT-84 Wk#3
Th (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001
Tm (tot) [mg/L]	30-May-23	13:24	< 0.0001	< 0.0001
Yb (tot) [mg/L]	29-May-23	10:45	< 0.0001	< 0.0001

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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. : 20 July 2023
LR Report: **CA10153-JUL23**
Reference: Wk#12 - Patriot WR

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#12	6: CV5-WR-HCT-5 Wk#12	7: CV5-WR-HCT-5 (DUP) Wk#12	8: CV5-WR-HCT-14 Wk#12
Sample Date & Time			20-Jul-23	20-Jul-23	20-Jul-23	20-Jul-23
HumCell Leachate Vol [mL]	21-Jul-23	10:18	975	942	996	1000
pH [No unit]	26-Jul-23	11:07	7.03	7.31	7.16	8.26
Alkalinity [mg/L as CaCO3]	26-Jul-23	11:08	4	7	5	16
Conductivity [uS/cm]	26-Jul-23	11:09	28	24	19	39
Acidity [mg/L as CaCO3]	28-Jul-23	09:50	6	< 2	< 2	< 2
SO4 [mg/L]	31-Jul-23	15:53	6	3	3	2
Tot.Reactive P [mg/L]	21-Jul-23	15:30	< 0.03	0.06	0.03	< 0.03
Ag [mg/L]	25-Jul-23	17:16	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	25-Jul-23	17:16	0.033	0.023	0.026	0.123
As [mg/L]	25-Jul-23	17:16	0.0057	0.406	0.212	0.0733
Ba [mg/L]	25-Jul-23	17:16	0.00025	0.00029	0.00024	0.00017
Be [mg/L]	25-Jul-23	17:16	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	25-Jul-23	17:16	0.005	0.004	0.003	0.003
Bi [mg/L]	25-Jul-23	17:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	25-Jul-23	17:16	3.21	3.05	2.40	6.21
Cd [mg/L]	25-Jul-23	17:16	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	25-Jul-23	17:16	0.000094	0.000176	0.000300	0.000055
Cr [mg/L]	25-Jul-23	17:16	0.00008	0.00170	< 0.00008	< 0.00008
Cu [mg/L]	25-Jul-23	17:16	< 0.0002	0.0005	< 0.0002	< 0.0002
Fe [mg/L]	25-Jul-23	17:16	0.038	0.154	< 0.007	0.007
K [mg/L]	25-Jul-23	17:16	0.426	0.201	0.147	0.067
Li [mg/L]	25-Jul-23	17:16	0.0165	0.0203	0.0156	0.0064
Mg [mg/L]	25-Jul-23	17:16	0.505	0.463	0.321	0.417
Mn [mg/L]	25-Jul-23	17:16	0.00198	0.00402	0.00253	0.00400
Mo [mg/L]	25-Jul-23	17:16	0.00027	0.00019	0.00036	0.00014
Na [mg/L]	25-Jul-23	17:16	0.41	0.16	0.13	0.57
Ni [mg/L]	25-Jul-23	17:16	0.0100	0.0081	0.0012	0.0002

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LR Report : **CA10153-JUL23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#12	6: CV5-WR-HCT-5 Wk#12	7: CV5-WR-HCT-5 (DUP) Wk#12	8: CV5-WR-HCT-14 Wk#12
Pb [mg/L]	25-Jul-23	17:16	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	25-Jul-23	17:16	0.0052	0.0872	0.0541	0.0134
Se [mg/L]	25-Jul-23	17:16	0.00021	0.00010	0.00007	0.00016
Sn [mg/L]	25-Jul-23	17:16	< 0.00006	0.00008	< 0.00006	0.00007
Sr [mg/L]	25-Jul-23	17:16	0.0128	0.00882	0.00708	0.00687
Ti [mg/L]	25-Jul-23	17:16	0.00031	0.00022	0.00023	0.00024
Tl [mg/L]	25-Jul-23	17:16	< 0.000005	0.000007	0.000007	< 0.000005
U [mg/L]	25-Jul-23	17:16	0.00149	0.000042	0.00487	0.000204
V [mg/L]	25-Jul-23	17:16	0.00042	0.00088	0.00058	0.00430
W [mg/L]	25-Jul-23	17:16	0.00010	0.00017	0.00021	0.00005
Y [mg/L]	25-Jul-23	17:16	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	25-Jul-23	17:16	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#12	10: CV5-WR-HCT-33 Wk#12	11: CV5-WR-HCT-36 Wk#12	12: CV5-WR-HCT-39 Wk#12	13: CV5-WR-HCT-50 Wk#12	14: CV5-WR-HCT-56 Wk#12
Sample Date & Time	20-Jul-23	20-Jul-23	20-Jul-23	20-Jul-23	20-Jul-23	20-Jul-23
HumCell Leachate Vol [mL]	996	1003	932	930	1004	969
pH [No unit]	7.16	7.59	7.39	6.74	7.51	7.45
Alkalinity [mg/L as CaCO3]	4	10	9	3	13	9
Conductivity [uS/cm]	15	26	26	27	54	26
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
SO4 [mg/L]	< 2	< 2	< 2	7	8	3
Tot.Reactive P [mg/L]	0.07	< 0.03	1.00	< 0.03	< 0.03	< 0.03
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.026	0.064	0.004	0.030	0.054	0.048
As [mg/L]	0.270	0.0053	3.04	0.0342	0.0217	0.0207
Ba [mg/L]	0.00012	0.00030	0.00090	0.00047	0.00052	0.00059
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.004	< 0.002	0.020	0.004	< 0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.79	3.82	3.56	3.40	8.55	4.16
Cd [mg/L]	0.000003	< 0.000003	< 0.000003	0.000009	0.000030	< 0.000003
Co [mg/L]	0.000199	0.000082	0.000220	0.000192	0.00154	0.000066
Cr [mg/L]	0.00011	< 0.00008	0.00020	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0004	0.0004	0.0013	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.043	0.073	0.039	< 0.007	< 0.007	< 0.007
K [mg/L]	0.084	0.141	0.063	0.404	0.596	0.635
Li [mg/L]	0.0116	0.0093	0.0053	0.0190	0.0138	0.0080
Mg [mg/L]	0.305	0.287	0.863	0.490	0.351	0.416
Mn [mg/L]	0.00088	0.0105	0.00209	0.00256	0.00866	0.0158

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LR Report : **CA10153-JUL23**

Analysis	9: CV5-WR-HCT-22 Wk#12	10: CV5-WR-HCT-33 Wk#12	11: CV5-WR-HCT-36 Wk#12	12: CV5-WR-HCT-39 Wk#12	13: CV5-WR-HCT-50 Wk#12	14: CV5-WR-HCT-56 Wk#12
Mo [mg/L]	0.00033	0.00018	0.00006	0.00105	0.00054	0.00010
Na [mg/L]	0.39	0.33	0.09	0.37	0.15	0.22
Ni [mg/L]	0.0025	0.0002	0.0166	0.0005	0.0013	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0155	0.0042	0.850	0.0255	0.0740	< 0.0009
Se [mg/L]	0.00006	0.00016	0.00008	0.00013	0.00071	0.00006
Sn [mg/L]	< 0.00006	0.00054	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00653	0.00470	0.00629	0.0119	0.00912	0.00564
Ti [mg/L]	0.00047	0.00022	0.00009	0.00026	0.00014	0.00025
Tl [mg/L]	0.000007	0.000006	0.000008	0.000009	0.000030	< 0.000005
U [mg/L]	0.000161	0.000789	0.00229	0.000454	0.00268	0.000560
V [mg/L]	0.00164	0.00122	0.00042	0.00048	0.00029	0.00074
W [mg/L]	0.00009	0.00017	0.00019	0.00013	0.00008	0.00022
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	0.005	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#12	16: CV5-WR-HCT-62 Wk#12	17: CV5-WR-HCT-64 Wk#12	18: CV5-WR-HCT-69 Wk#12	19: CV5-ORE-HCT-74 Wk#12	20: CV5-ORE-HCT-76 Wk#12
Sample Date & Time	20-Jul-23	20-Jul-23	20-Jul-23	20-Jul-23	20-Jul-23	20-Jul-23
HumCell Leachate Vol [mL]	1010	1016	1006	997	986	961
pH [No unit]	6.89	7.40	7.19	7.62	7.11	7.40
Alkalinity [mg/L as CaCO3]	3	12	7	10	4	9
Conductivity [uS/cm]	20	30	16	20	11	20
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	0.78	< 0.03	< 0.03	0.04	< 0.03
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.006	< 0.001	0.032	0.094	0.032	0.043
As [mg/L]	0.931	2.60	0.0260	0.0118	0.0292	0.0092
Ba [mg/L]	0.00032	0.00114	0.00011	0.00021	0.00009	0.00010
Be [mg/L]	< 0.000007	< 0.000007	0.000014	0.000145	< 0.000007	0.000054
B [mg/L]	0.002	0.005	< 0.002	0.002	< 0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00046	< 0.00001	0.00011
Ca [mg/L]	2.34	3.91	2.43	3.69	1.40	2.92
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	0.000005	< 0.000003
Co [mg/L]	0.000740	0.000680	0.000022	0.000047	0.000029	0.000020
Cr [mg/L]	0.00023	< 0.00008	< 0.00008	< 0.00008	0.00015	< 0.00008
Cu [mg/L]	0.0005	< 0.0002	< 0.0002	0.0004	< 0.0002	< 0.0002
Fe [mg/L]	0.008	< 0.007	< 0.007	0.032	0.056	< 0.007
K [mg/L]	0.116	0.064	0.657	0.178	0.263	0.691

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LR Report : **CA10153-JUL23**

Analysis	15: CV5-WR-HCT-59 Wk#12	16: CV5-WR-HCT-62 Wk#12	17: CV5-WR-HCT-64 Wk#12	18: CV5-WR-HCT-69 Wk#12	19: CV5-ORE-HCT-74 Wk#12	20: CV5-ORE-HCT-76 Wk#12
Li [mg/L]	0.0045	0.0010	0.0068	0.0060	0.0196	0.0155
Mg [mg/L]	0.658	1.46	0.152	0.124	0.039	0.178
Mn [mg/L]	0.00178	0.00453	0.00641	0.00447	0.0370	0.00259
Mo [mg/L]	0.00007	0.00029	0.00011	0.00010	0.00009	0.00012
Na [mg/L]	0.18	0.07	0.13	0.31	0.22	0.22
Ni [mg/L]	0.0063	0.0319	0.0002	0.0011	0.0005	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0148	1.97	0.0042	0.0042	0.0284	0.0028
Se [mg/L]	0.00006	0.00014	< 0.00004	0.00007	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00011	0.00007	< 0.00006
Sr [mg/L]	0.0133	0.00447	0.00444	0.00820	0.00225	0.00776
Ti [mg/L]	0.00012	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000007	0.000018	0.000080	0.000017	0.000051	0.000042
U [mg/L]	0.000053	0.00235	0.00309	0.01297	0.00773	0.00402
V [mg/L]	0.00088	0.00038	0.00004	0.00013	0.00003	0.00009
W [mg/L]	0.00059	0.00024	0.00018	0.00015	0.00011	0.00021
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	0.003	0.002	0.003	0.008	0.005	< 0.002

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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02-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. : 18 May 2023
LR Report: **CA10153-MAY23**
Reference: Wk#3 - Patriot WR - Long

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CERTIFICATE OF ANALYSIS

Preliminary Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#3	6: CV5-WR-HCT-5 Wk#3	7: CV5-WR-HCT-5 (DUP) Wk#3	8: CV5-WR-HCT-14 Wk#3	9: CV5-WR-HCT-22 Wk#3	10: CV5-WR-HCT-33 Wk#3
Sample Date & Time			18-May-23	18-May-23	18-May-23	18-May-23	18-May-23	18-May-23
HumCell Leachate Vol [mL]	19-May-23	11:27	967	1007	965	1007	992	993
pH [No unit]	19-May-23	13:18	7.53	7.59	7.47	8.75	7.40	7.86
Alkalinity [mg/L as CaCO3]	19-May-23	13:18	7	8	8	23	8	12
Conductivity [uS/cm]	19-May-23	13:18	59	65	42	63	33	33
Acidity [mg/L as CaCO3]	19-May-23	13:18	8	2	< 2	< 2	< 2	< 2
F [mg/L]	19-May-23	12:11	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	29-May-23	13:11	10	13	7	4	4	< 2
Cl [mg/L]	29-May-23	13:11	3	1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	31-May-23	12:27	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	31-May-23	12:27	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	31-May-23	12:27	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	24-May-23	08:49	< 0.03	0.11	0.08	0.04	0.08	< 0.03
Hg [mg/L]	19-May-23	11:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	29-May-23	10:46	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-May-23	10:46	0.044	0.020	0.025	0.109	0.028	0.038
As [mg/L]	31-May-23	17:32	0.0043	0.506	0.333	0.106	0.308	0.0050
Ba [mg/L]	29-May-23	10:46	0.00036	0.00048	0.00037	0.00020	0.00013	0.00023
Be [mg/L]	29-May-23	10:46	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	29-May-23	10:46	0.020	0.024	0.019	0.011	0.013	0.009
Bi [mg/L]	29-May-23	10:46	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	29-May-23	10:46	3.96	4.44	3.42	6.41	2.35	3.12
Cd [mg/L]	29-May-23	10:46	0.000012	0.000003	0.000017	< 0.000003	< 0.000003	0.000013
Co [mg/L]	29-May-23	10:46	0.000054	0.000201	0.000186	0.000044	0.000101	0.000056
Cr [mg/L]	29-May-23	10:46	0.00013	< 0.00008	0.00010	< 0.00008	0.00011	< 0.00008
Cu [mg/L]	29-May-23	10:46	< 0.0002	0.0003	< 0.0002	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	29-May-23	10:46	0.007	< 0.007	< 0.007	< 0.007	0.007	< 0.007
K [mg/L]	29-May-23	10:46	0.975	0.709	0.469	0.183	0.217	0.359
Li [mg/L]	29-May-23	10:46	0.0435	0.200	0.0979	0.0103	0.0202	0.0200
Mg [mg/L]	29-May-23	10:46	0.774	1.08	0.605	0.607	0.359	0.312
Mn [mg/L]	29-May-23	10:46	0.00241	0.00424	0.00408	0.00274	0.00076	0.00892
Mo [mg/L]	29-May-23	10:46	0.00128	0.00077	0.00025	0.00027	0.00165	0.00029
Na [mg/L]	29-May-23	10:46	2.88	2.68	1.29	2.48	2.15	1.66
Ni [mg/L]	29-May-23	10:46	0.0003	0.0033	0.0021	0.0003	0.0006	0.0003

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LR Report : **CA10153-MAY23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#3	6: CV5-WR-HCT-5 Wk#3	7: CV5-WR-HCT-5 (DUP) Wk#3	8: CV5-WR-HCT-14 Wk#3	9: CV5-WR-HCT-22 Wk#3	10: CV5-WR-HCT-33 Wk#3
Pb [mg/L]	29-May-23	10:46	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	31-May-23	17:32	0.0099	0.230	0.135	0.0409	0.0278	0.0111
Se [mg/L]	29-May-23	10:47	0.00030	0.00008	0.00009	0.00022	< 0.00004	< 0.00004
Sn [mg/L]	29-May-23	10:47	0.00016	0.00010	< 0.00006	0.00010	< 0.00006	0.00020
Sr [mg/L]	29-May-23	10:47	0.0206	0.0198	0.0142	0.0112	0.00921	0.00482
Ti [mg/L]	29-May-23	10:47	0.00069	0.00026	0.00052	0.00025	0.00037	0.00056
Tl [mg/L]	29-May-23	10:47	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000007
U [mg/L]	29-May-23	10:47	0.000316	0.000191	0.000150	0.000490	0.000465	0.00193
V [mg/L]	29-May-23	10:47	0.00045	0.00101	0.00097	0.00582	0.00194	0.00159
W [mg/L]	29-May-23	10:47	0.00055	0.00311	0.00191	0.00110	0.00769	0.00150
Y [mg/L]	29-May-23	10:47	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	29-May-23	10:47	< 0.002	< 0.002	0.005	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	29-May-23	10:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	29-May-23	10:47	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001
Cs (tot) [mg/L]	29-May-23	10:47	0.0146	0.0300	0.0255	0.0044	0.0090	0.0110
Dy (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	30-May-23	13:25	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0001	0.0001
Gd (tot) [mg/L]	29-May-23	10:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	30-May-23	13:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	29-May-23	10:47	0.0113	0.0141	0.0105	0.0016	0.0036	0.0026
Re (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	29-May-23	10:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	30-May-23	13:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	30-May-23	13:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	30-May-23	13:25	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	29-May-23	10:47	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-36 Wk#3	12: CV5-WR-HCT-39 Wk#3	13: CV5-WR-HCT-50 Wk#3	14: CV5-WR-HCT-56 Wk#3	15: CV5-WR-HCT-59 Wk#3	16: CV5-WR-HCT-62 Wk#3	17: CV5-WR-HCT-64 Wk#3	18: CV5-WR-HCT-69 Wk#3
Sample Date & Time	18-May-23	18-May-23	18-May-23	18-May-23	18-May-23	18-May-23	18-May-23	18-May-23
HumCell Leachate Vol [mL]	1009	1014	1008	1002	1012	1001	997	996
pH [No unit]	7.87	7.22	7.67	8.62	7.08	7.76	7.40	7.83

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LR Report : **CA10153-MAY23**

Analysis	11: CV5-WR-HCT-36 Wk#3	12: CV5-WR-HCT-39 Wk#3	13: CV5-WR-HCT-50 Wk#3	14: CV5-WR-HCT-56 Wk#3	15: CV5-WR-HCT-59 Wk#3	16: CV5-WR-HCT-62 Wk#3	17: CV5-WR-HCT-64 Wk#3	18: CV5-WR-HCT-69 Wk#3
Alkalinity [mg/L as CaCO3]	15	9	21	15	7	13	13	22
Conductivity [uS/cm]	64	60	88	44	29	57	34	42
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	4	3	< 2	< 2
F [mg/L]	< 0.06	0.20	0.34	< 0.06	< 0.06	< 0.06	0.07	< 0.06
SO4 [mg/L]	3	14	16	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]	3.22	< 0.03	< 0.03	< 0.03	0.16	1.51	0.05	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]	0.003	0.033	0.085	0.040	0.007	0.002	0.035	0.132
As [mg/L]	10.9	0.0549	0.0271	0.0120	0.603	5.37	0.135	0.0813
Ba [mg/L]	0.00184	0.00061	0.00092	0.00081	0.00034	0.00193	0.00014	0.00025
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000013	0.000217
B [mg/L]	0.064	0.014	0.009	0.016	0.006	0.013	0.017	0.015
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00062
Ca [mg/L]	5.22	4.66	9.36	4.06	2.24	4.58	2.12	4.33
Cd [mg/L]	0.000011	0.000019	0.000024	0.000012	0.000016	0.000020	0.000017	0.000014
Co [mg/L]	0.000408	0.000214	0.00135	0.000040	0.000394	0.000227	0.000055	0.000044
Cr [mg/L]	0.00015	< 0.00008	< 0.00008	0.00018	0.00025	0.00011	0.00013	0.00013
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0003	0.0008
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.227	1.15	2.60	1.96	0.254	0.260	1.83	0.563
Li [mg/L]	0.0160	0.0597	0.0591	0.0286	0.0059	0.0018	0.0496	0.0215
Mg [mg/L]	2.71	0.747	0.963	0.422	0.689	2.18	0.179	0.234
Mn [mg/L]	0.00377	0.00322	0.00953	0.0167	0.00176	0.00539	0.00416	0.00295
Mo [mg/L]	0.00028	0.00232	0.00337	0.00046	0.00026	0.00086	0.00087	0.00046
Na [mg/L]	0.73	2.39	0.78	1.35	0.79	1.30	1.20	1.55
Ni [mg/L]	0.0862	0.0010	0.0027	0.0002	0.0039	0.0637	0.0003	0.0022
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	1.87	0.0813	0.260	0.0015	0.0160	3.50	0.0198	0.0178
Se [mg/L]	< 0.00004	0.00023	0.00127	< 0.00004	< 0.00004	0.00018	< 0.00004	0.00021
Sn [mg/L]	0.00023	0.00014	0.00008	< 0.00006	< 0.00006	0.00009	0.00017	0.00023
Sr [mg/L]	0.0162	0.0201	0.0166	0.00697	0.0158	0.00713	0.00533	0.0120
Ti [mg/L]	0.00023	0.00044	0.00051	0.00071	0.00056	0.00046	0.00039	0.00033
Tl [mg/L]	0.000008	0.000012	0.000033	< 0.000005	< 0.000005	< 0.000005	0.000169	0.000020
U [mg/L]	0.000025	0.000784	0.00691	0.00241	0.000020	0.000124	0.0135	0.0320
V [mg/L]	0.00104	0.00060	0.00036	0.00104	0.00087	0.00069	0.00010	0.00042
W [mg/L]	0.00139	0.00066	0.00027	0.00245	0.00241	0.00087	0.00132	0.00123
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	< 0.002	< 0.002	< 0.002	0.003	< 0.002
Au (tot) [mg/L]	0.00004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00004	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Cs (tot) [mg/L]	0.0322	0.0093	0.104	0.0283	0.0183	0.0087	0.0306	0.0074
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	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0004	0.0010
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

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LR Report : **CA10153-MAY23**

Analysis	11: CV5-WR-HCT-36 Wk#3	12: CV5-WR-HCT-39 Wk#3	13: CV5-WR-HCT-50 Wk#3	14: CV5-WR-HCT-56 Wk#3	15: CV5-WR-HCT-59 Wk#3	16: CV5-WR-HCT-62 Wk#3	17: CV5-WR-HCT-64 Wk#3	18: CV5-WR-HCT-69 Wk#3
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	0.0002	< 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]	0.0069	0.0085	0.0604	0.0052	0.0067	0.0045	0.0878	0.0199
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#3	20: CV5-ORE-HCT-76 Wk#3
Sample Date & Time	18-May-23	18-May-23
HumCell Leachate Vol [mL]	1010	985
pH [No unit]	7.40	7.88
Alkalinity [mg/L as CaCO3]	10	18
Conductivity [uS/cm]	27	43
Acidity [mg/L as CaCO3]	< 2	< 2
F [mg/L]	0.11	0.12
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]	0.20	0.04
Hg [mg/L]	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.050	0.071
As [mg/L]	0.198	0.0499
Ba [mg/L]	< 0.00008	0.00020
Be [mg/L]	0.000013	0.000061
B [mg/L]	0.012	0.020
Bi [mg/L]	< 0.00001	0.00021
Ca [mg/L]	1.08	3.60
Cd [mg/L]	0.000021	0.000028
Co [mg/L]	0.000049	0.000034

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LR Report : **CA10153-MAY23**

Analysis	19: CV5-ORE-HCT-7 4 Wk#3	20: CV5-ORE-HCT-7 6 Wk#3
Cr [mg/L]	0.00016	0.00018
Cu [mg/L]	0.0005	0.0005
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	1.12	1.87
Li [mg/L]	0.142	0.0755
Mg [mg/L]	0.047	0.233
Mn [mg/L]	0.0181	0.00343
Mo [mg/L]	0.00018	0.00087
Na [mg/L]	2.25	2.18
Ni [mg/L]	0.0004	0.0002
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0805	0.0096
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	0.00043	0.00016
Sr [mg/L]	0.00235	0.0111
Ti [mg/L]	0.00031	0.00043
Tl [mg/L]	0.000128	0.000082
U [mg/L]	0.0213	0.0123
V [mg/L]	0.00010	0.00028
W [mg/L]	0.00075	0.00127
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]	0.0476	0.0233
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]	0.0931	0.0409
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

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LR Report : **CA10153-MAY23**

Analysis	19: CV5-ORE-HCT-74 Wk#3	20: CV5-ORE-HCT-76 Wk#3
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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. : 17 August 2023
LR Report: **CA10157-AUG23**
Reference: Wk#16

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#16	6: CV5-WR-HCT-5 Wk#16	7: CV5-WR-HCT-5 (DUP) Wk#16	8: CV5-WR-HCT-14 Wk#16
Sample Date & Time			17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23
HumCell Leachate Vol [mL]	18-Aug-23	12:21	942	936	956	1005
pH [No unit]	23-Aug-23	10:45	7.00	7.19	7.11	7.55
Alkalinity [mg/L as CaCO3]	22-Aug-23	13:44	3	5	4	9
Conductivity [uS/cm]	23-Aug-23	10:46	34	27	24	26
Acidity [mg/L as CaCO3]	22-Aug-23	13:45	2	< 2	< 2	< 2
F [mg/L]	21-Aug-23	11:51	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	25-Aug-23	15:36	7	4	3	2
Tot.Reactive P [mg/L]	21-Aug-23	09:51	< 0.03	0.08	0.06	< 0.03
Cl [mg/L]	25-Aug-23	15:37	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	26-Aug-23	14:26	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	26-Aug-23	14:26	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	26-Aug-23	14:26	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	28-Aug-23	10:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-Aug-23	10:25	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Aug-23	10:25	0.031	0.017	0.023	0.121
As [mg/L]	28-Aug-23	10:25	0.0044	0.323	0.234	0.0683
Ba [mg/L]	28-Aug-23	10:25	0.00026	0.00027	0.00021	0.00015
Be [mg/L]	28-Aug-23	10:25	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	23-Aug-23	09:54	0.005	0.003	0.003	< 0.002
Bi [mg/L]	28-Aug-23	10:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-Aug-23	10:25	3.25	2.93	2.37	5.89
Cd [mg/L]	28-Aug-23	10:25	0.000007	< 0.000003	0.000005	< 0.000003
Co [mg/L]	28-Aug-23	10:26	0.000079	0.000133	0.000152	0.000050
Cr [mg/L]	28-Aug-23	10:26	0.00012	0.00011	0.00012	0.00009
Cu [mg/L]	28-Aug-23	10:26	0.0002	< 0.0002	0.0002	0.0002
Fe [mg/L]	28-Aug-23	10:26	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	28-Aug-23	10:26	0.356	0.176	0.153	0.064
Li [mg/L]	28-Aug-23	10:26	0.0150	0.0172	0.0149	0.0051
Mg [mg/L]	28-Aug-23	10:26	0.501	0.393	0.317	0.313

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LR Report : **CA10157-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#16	6: CV5-WR-HCT-5 Wk#16	7: CV5-WR-HCT-5 (DUP) Wk#16	8: CV5-WR-HCT-14 Wk#16
Mn [mg/L]	28-Aug-23	10:26	0.00136	0.00195	0.00201	0.00391
Mo [mg/L]	28-Aug-23	10:26	0.00008	< 0.00004	0.00022	0.00008
Na [mg/L]	28-Aug-23	10:26	0.30	0.12	0.11	0.39
Ni [mg/L]	28-Aug-23	10:26	0.0002	0.0011	0.0008	0.0001
Pb [mg/L]	28-Aug-23	10:26	0.00034	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-Aug-23	10:26	0.0050	0.0872	0.0555	0.0129
Se [mg/L]	28-Aug-23	10:26	0.00022	0.00009	0.00006	0.00015
Sn [mg/L]	28-Aug-23	10:26	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	28-Aug-23	10:27	0.0126	0.00827	0.00741	0.00615
Ti [mg/L]	28-Aug-23	10:27	0.00024	< 0.00007	0.00010	0.00024
Tl [mg/L]	28-Aug-23	10:27	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	28-Aug-23	10:27	0.000086	0.000042	0.000029	0.00263
V [mg/L]	28-Aug-23	10:27	0.00036	0.00073	0.00064	0.00400
W [mg/L]	28-Aug-23	10:27	0.00008	0.00014	0.00016	0.00003
Y [mg/L]	28-Aug-23	10:27	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	28-Aug-23	10:27	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	28-Aug-23	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	28-Aug-23	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	28-Aug-23	10:27	0.0080	0.0124	0.0124	0.0026
Dy (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001	< 0.0001	0.0002
Gd (tot) [mg/L]	28-Aug-23	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	28-Aug-23	10:27	0.0057	0.0051	0.0045	0.0006
Re (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	28-Aug-23	10:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001

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LR Report : **CA10157-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#16	6: CV5-WR-HCT-5 Wk#16	7: CV5-WR-HCT-5 (DUP) Wk#16	8: CV5-WR-HCT-14 Wk#16
Th (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	28-Aug-23	10:27	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	9: CV5-WR-HCT-22 Wk#16	10: CV5-WR-HCT-33 Wk#16	11: CV5-WR-HCT-36 Wk#16	12: CV5-WR-HCT-39 Wk#16	13: CV5-WR-HCT-50 Wk#16	14: CV5-WR-HCT-56 Wk#16
Sample Date & Time	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23
HumCell Leachate Vol [mL]	1001	1014	1014	929	1024	978
pH [No unit]	7.11	7.45	7.56	6.94	7.26	7.56
Alkalinity [mg/L as CaCO3]	4	8	10	2	12	9
Conductivity [uS/cm]	15	23	32	30	51	25
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	0.14	0.32	< 0.06
SO4 [mg/L]	< 2	< 2	< 2	7	8	3
Tot.Reactive P [mg/L]	0.09	< 0.03	1.21	< 0.03	< 0.03	< 0.03
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	0.00002
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.017	0.058	0.003	0.036	0.061	0.034
As [mg/L]	0.298	0.0044	3.42	0.0335	0.0214	0.0199
Ba [mg/L]	0.00012	0.00029	0.00135	0.00030	0.00046	0.00052
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000008	< 0.000007	< 0.000007
B [mg/L]	0.004	< 0.002	0.021	0.003	< 0.002	0.003
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.67	3.38	3.83	3.05	8.54	3.77
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000006	0.000021	< 0.000003
Co [mg/L]	0.000119	0.000058	0.000235	0.000146	0.00133	0.000044
Cr [mg/L]	0.00016	0.00008	0.00043	0.00011	0.00010	0.00009
Cu [mg/L]	< 0.0002	0.0003	0.0008	0.0003	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.008	< 0.007	< 0.007
K [mg/L]	0.081	0.100	0.075	0.331	0.469	0.525
Li [mg/L]	0.0106	0.0064	0.0047	0.0160	0.0113	0.0068
Mg [mg/L]	0.271	0.184	0.933	0.386	0.232	0.405
Mn [mg/L]	0.00038	0.00867	0.00191	0.00162	0.00781	0.0136
Mo [mg/L]	0.00018	0.00010	0.00012	0.00013	0.00043	0.00008
Na [mg/L]	0.26	0.19	0.08	0.26	0.14	0.14
Ni [mg/L]	0.0003	< 0.0001	0.0127	0.0003	0.0009	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00012	< 0.00009	< 0.00009
Sb [mg/L]	0.0181	0.0035	1.15	0.0229	0.0641	< 0.0009
Se [mg/L]	0.00005	0.00014	0.00008	0.00012	0.00075	0.00007

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LR Report : **CA10157-AUG23**

Analysis	9: CV5-WR-HCT-22 Wk#16	10: CV5-WR-HCT-33 Wk#16	11: CV5-WR-HCT-36 Wk#16	12: CV5-WR-HCT-39 Wk#16	13: CV5-WR-HCT-50 Wk#16	14: CV5-WR-HCT-56 Wk#16
Sn [mg/L]	< 0.00006	0.00008	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00622	0.00401	0.00660	0.0110	0.00831	0.00511
Ti [mg/L]	0.00018	0.00035	< 0.00007	0.00035	< 0.00007	0.00026
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000007	0.000025	< 0.000005
U [mg/L]	0.000409	0.000585	0.000071	0.000418	0.00200	0.000574
V [mg/L]	0.00165	0.00086	0.00040	0.00044	0.00028	0.00066
W [mg/L]	0.00005	0.00015	0.00016	0.00005	0.00005	0.00015
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	0.004	< 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	0.00003	< 0.00001	< 0.00001
Cs (tot) [mg/L]	0.0056	0.0058	0.0157	0.0032	0.0573	0.0232
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	0.0002	< 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]	0.0022	0.0009	0.0027	0.0030	0.0176	0.0020
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
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

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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA10157-AUG23**

Analysis	15: CV5-WR-HCT-59 Wk#16	16: CV5-WR-HCT-62 Wk#16	17: CV5-WR-HCT-64 Wk#16	18: CV5-WR-HCT-69 Wk#16	19: CV5-ORE-HCT-74 Wk#16	20: CV5-ORE-HCT-76 Wk#16
Sample Date & Time	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23
HumCell Leachate Vol [mL]	937	1011	964	999	1017	951
pH [No unit]	6.93	7.67	7.23	7.49	7.00	7.40
Alkalinity [mg/L as CaCO3]	3	11	6	9	4	6
Conductivity [uS/cm]	24	31	15	20	6	14
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]	3	2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.20	0.68	< 0.03	< 0.03	0.04	< 0.03
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]	0.014	< 0.001	0.034	0.098	0.030	0.050
As [mg/L]	0.704	2.12	0.0176	0.0107	0.0210	0.0061
Ba [mg/L]	0.00021	0.00129	0.00012	0.00018	0.00013	0.00011
Be [mg/L]	< 0.000007	< 0.000007	0.000024	0.000133	0.000008	0.000057
B [mg/L]	< 0.002	0.004	< 0.002	< 0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00055	0.00002	0.00016
Ca [mg/L]	2.12	4.07	1.70	3.37	1.13	2.22
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000353	0.000429	0.000015	0.000021	0.000016	0.000016
Cr [mg/L]	0.00047	0.00010	0.00012	0.00011	0.00011	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0003	< 0.0002	0.0003
Fe [mg/L]	0.016	< 0.007	< 0.007	0.022	< 0.007	< 0.007
K [mg/L]	0.087	0.063	0.451	0.158	0.194	0.508
Li [mg/L]	0.0029	0.0008	0.0045	0.0044	0.0138	0.0114
Mg [mg/L]	0.427	1.16	0.103	0.082	0.025	0.118
Mn [mg/L]	0.00120	0.00351	0.00363	0.00349	0.0350	0.00200
Mo [mg/L]	0.00006	0.00011	0.00006	< 0.00004	< 0.00004	0.00042
Na [mg/L]	0.11	0.06	0.09	0.26	0.18	0.16
Ni [mg/L]	0.0023	0.0190	0.0002	0.0005	< 0.0001	< 0.0001
Pb [mg/L]	0.00024	< 0.00009	< 0.00009	< 0.00009	0.00014	< 0.00009
Sb [mg/L]	0.0112	1.67	0.0037	0.0038	0.0242	0.0019
Se [mg/L]	0.00006	0.00015	< 0.00004	0.00005	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	0.0110	0.00416	0.00317	0.00709	0.00178	0.00563
Ti [mg/L]	0.00047	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000053	0.000007	0.000034	0.000028
U [mg/L]	0.000016	0.000637	0.00224	0.00891	0.00285	0.00170
V [mg/L]	0.00068	0.00036	0.00005	0.00015	0.00007	0.00010
W [mg/L]	0.00041	0.00017	0.00008	0.00009	0.00006	0.00043
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002

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LR Report : **CA10157-AUG23**

Analysis	15: CV5-WR-HCT-59 Wk#16	16: CV5-WR-HCT-62 Wk#16	17: CV5-WR-HCT-64 Wk#16	18: CV5-WR-HCT-69 Wk#16	19: CV5-ORE-HCT-74 Wk#16	20: CV5-ORE-HCT-76 Wk#16
Zn [mg/L]	< 0.002	< 0.002	0.002	< 0.002	0.003	< 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]	0.0105	0.0044	0.0135	0.0035	0.0146	0.0093
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	0.0002	0.0003	0.0003	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]	0.0035	0.0020	0.0307	0.0072	0.0218	0.0151
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
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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003458853

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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. : 17 August 2023
LR Report: **CA10158-AUG23**
Reference: Wk#16

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#16	6: CV5-DMS-HCT-84 Wk#16
Sample Date & Time			17-Aug-23	17-Aug-23
HumCell Leachate Vol [mL]	18-Aug-23	12:21	977	962
pH [No unit]	22-Aug-23	13:46	6.65	6.23
Alkalinity [mg/L as CaCO3]	22-Aug-23	13:46	< 2	< 2
Conductivity [uS/cm]	22-Aug-23	13:46	2	2
Acidity [mg/L as CaCO3]	29-Aug-23	12:39	< 2	2
F [mg/L]	21-Aug-23	11:52	< 0.06	< 0.06
SO4 [mg/L]	25-Aug-23	15:37	< 2	< 2
Tot.Reactive P [mg/L]	21-Aug-23	09:51	< 0.03	< 0.03
Cl [mg/L]	25-Aug-23	15:37	< 1	< 1
NO2 [as N mg/L]	26-Aug-23	14:02	< 0.03	< 0.03
NO3 [as N mg/L]	26-Aug-23	14:02	< 0.06	< 0.06
Br [mg/L]	26-Aug-23	14:02	< 0.3	< 0.3
Hg [mg/L]	28-Aug-23	10:28	< 0.00001	< 0.00001
Ag [mg/L]	28-Aug-23	10:28	< 0.00005	< 0.00005
Al [mg/L]	28-Aug-23	10:28	0.021	0.018
As [mg/L]	28-Aug-23	10:28	0.0082	0.0057
Ba [mg/L]	28-Aug-23	10:28	< 0.00008	< 0.00008
Be [mg/L]	28-Aug-23	10:28	0.000009	0.000015
B [mg/L]	23-Aug-23	09:55	< 0.002	< 0.002
Bi [mg/L]	28-Aug-23	10:29	0.00003	0.00003
Ca [mg/L]	28-Aug-23	10:29	0.38	0.35
Cd [mg/L]	28-Aug-23	10:29	< 0.000003	< 0.000003
Co [mg/L]	28-Aug-23	10:29	< 0.000004	0.000006
Cr [mg/L]	28-Aug-23	10:29	< 0.00008	0.00011
Cu [mg/L]	28-Aug-23	10:29	< 0.0002	< 0.0002
Fe [mg/L]	28-Aug-23	10:29	< 0.007	< 0.007
K [mg/L]	28-Aug-23	10:29	0.125	0.123

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LR Report : **CA10158-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#16	6: CV5-DMS-HCT-84 Wk#16
Li [mg/L]	28-Aug-23	10:29	0.0012	0.0012
Mg [mg/L]	28-Aug-23	10:29	0.017	0.016
Mn [mg/L]	28-Aug-23	10:29	0.00154	0.00201
Mo [mg/L]	28-Aug-23	10:29	0.00005	0.00010
Na [mg/L]	28-Aug-23	10:29	0.04	0.04
Ni [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Pb [mg/L]	28-Aug-23	10:29	< 0.00009	< 0.00009
Sb [mg/L]	28-Aug-23	10:29	0.0036	0.0020
Se [mg/L]	28-Aug-23	10:29	< 0.00004	< 0.00004
Sn [mg/L]	28-Aug-23	10:29	< 0.00006	< 0.00006
Sr [mg/L]	28-Aug-23	10:29	0.00095	0.00092
Ti [mg/L]	28-Aug-23	10:29	< 0.00007	< 0.00007
Tl [mg/L]	28-Aug-23	10:29	0.000011	0.000015
U [mg/L]	28-Aug-23	10:29	0.00124	0.00167
V [mg/L]	28-Aug-23	10:29	0.00004	0.00004
W [mg/L]	28-Aug-23	10:29	0.00002	0.00003
Y [mg/L]	28-Aug-23	10:29	< 0.00002	< 0.00002
Zn [mg/L]	28-Aug-23	10:29	< 0.002	< 0.002
Au (tot) [mg/L]	28-Aug-23	10:29	< 0.00001	< 0.00001
Ce (tot) [mg/L]	28-Aug-23	10:29	< 0.00001	< 0.00001
Cs (tot) [mg/L]	28-Aug-23	10:29	0.0018	0.0019
Dy (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Er (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Eu (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Ga (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001
Gd (tot) [mg/L]	28-Aug-23	10:29	< 0.00001	< 0.00001
Ge (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Hf (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Ho (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
In (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001
Ir (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
La (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Lu (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Nb (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Nd (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Os (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Pd (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Pr (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Pt (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Rb (tot) [mg/L]	28-Aug-23	10:29	0.0076	0.0079
Re (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Rh (tot) [mg/L]	28-Aug-23	10:29	< 0.00001	< 0.00001

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LR Report : **CA10158-AUG23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#16	6: CV5-DMS-HCT-84 Wk#16
Sc (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001
Sm (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Ta (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Tb (tot) [mg/L]	31-Aug-23	14:15	< 0.0001	< 0.0001
Te (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Th (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001
Tm (tot) [mg/L]	31-Aug-23	14:16	< 0.0001	< 0.0001
Yb (tot) [mg/L]	28-Aug-23	10:29	< 0.0001	< 0.0001

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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17-July-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. : 22 June 2023
LR Report: **CA10163-JUN23**
Reference: Wk#8 - 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#8	6: CV5-DMS-HC T-84 Wk#8
Sample Date & Time			22-Jun-23	22-Jun-23
HumCell Leachate Vol [mL]	23-Jun-23	16:40	981	946
pH [No unit]	23-Jun-23	11:20	6.70	6.67
Alkalinity [mg/L as CaCO3]	23-Jun-23	11:20	< 2	2
Conductivity [uS/cm]	23-Jun-23	11:20	3	3
Acidity [mg/L as CaCO3]	23-Jun-23	11:20	3	3
F [mg/L]	26-Jun-23	09:09	< 0.06	< 0.06
SO4 [mg/L]	29-Jun-23	11:21	< 2	< 2
Cl [mg/L]	29-Jun-23	11:21	< 1	< 1
NO2 [as N mg/L]	28-Jun-23	15:49	< 0.03	< 0.03
NO3 [as N mg/L]	28-Jun-23	15:49	< 0.06	< 0.06
Br [mg/L]	28-Jun-23	15:49	< 0.3	< 0.3
Tot.Reactive P [mg/L]	23-Jun-23	10:59	< 0.03	< 0.03
Hg [mg/L]	23-Jun-23	19:06	< 0.00001	< 0.00001
Ag [mg/L]	27-Jun-23	15:13	< 0.00005	< 0.00005
Al [mg/L]	27-Jun-23	15:13	0.031	0.031
As [mg/L]	27-Jun-23	15:13	0.0230	0.0104
Ba [mg/L]	27-Jun-23	15:13	0.00014	0.00013
Be [mg/L]	27-Jun-23	15:13	0.000010	0.000009
B [mg/L]	27-Jun-23	15:13	< 0.002	0.002
Bi [mg/L]	27-Jun-23	15:13	0.00003	0.00004
Ca [mg/L]	27-Jun-23	15:13	0.52	0.53
Cd [mg/L]	27-Jun-23	15:13	< 0.000003	< 0.000003
Co [mg/L]	27-Jun-23	15:13	0.000073	0.000012
Cr [mg/L]	27-Jun-23	15:13	< 0.00008	< 0.00008
Cu [mg/L]	27-Jun-23	15:13	0.0002	0.0004

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LR Report : **CA10163-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#8	6: CV5-DMS-HCT-84 Wk#8
Fe [mg/L]	27-Jun-23	15:13	< 0.007	< 0.007
K [mg/L]	27-Jun-23	15:13	0.238	0.246
Li [mg/L]	27-Jun-23	15:13	0.0034	0.0035
Mg [mg/L]	27-Jun-23	15:13	0.029	0.030
Mn [mg/L]	27-Jun-23	15:13	0.00200	0.00242
Mo [mg/L]	27-Jun-23	15:13	0.00145	0.00029
Na [mg/L]	27-Jun-23	15:13	0.11	0.12
Ni [mg/L]	27-Jun-23	15:13	0.0003	0.0001
Pb [mg/L]	27-Jun-23	15:13	< 0.00009	< 0.00009
Sb [mg/L]	27-Jun-23	15:13	0.0035	0.0029
Se [mg/L]	27-Jun-23	15:13	< 0.00004	< 0.00004
Sn [mg/L]	27-Jun-23	15:13	< 0.00006	< 0.00006
Sr [mg/L]	27-Jun-23	15:13	0.00148	0.00139
Ti [mg/L]	27-Jun-23	15:13	< 0.00007	< 0.00007
Tl [mg/L]	27-Jun-23	15:13	0.000021	0.000019
U [mg/L]	05-Jul-23	10:38	0.00646	0.00411
V [mg/L]	27-Jun-23	15:13	0.00006	0.00003
W [mg/L]	27-Jun-23	15:13	0.00009	0.00007
Y [mg/L]	27-Jun-23	15:13	< 0.00002	< 0.00002
Zn [mg/L]	27-Jun-23	15:13	< 0.002	< 0.002
Au (tot) [mg/L]	27-Jun-23	15:13	< 0.00001	< 0.00001
Ce (tot) [mg/L]	27-Jun-23	15:13	0.00001	0.00001
Cs (tot) [mg/L]	27-Jun-23	15:13	0.0020	0.0022
Dy (tot) [mg/L]	27-Jun-23	15:13	< 0.0001	< 0.0001
Er (tot) [mg/L]	27-Jun-23	15:13	< 0.0001	< 0.0001
Eu (tot) [mg/L]	27-Jun-23	15:13	< 0.0001	< 0.0001
Ga (tot) [mg/L]	14-Jul-23	16:34	< 0.0001	< 0.0001
Gd (tot) [mg/L]	27-Jun-23	15:13	< 0.00001	< 0.00001
Ge (tot) [mg/L]	27-Jun-23	15:13	< 0.0001	< 0.0001
Hf (tot) [mg/L]	27-Jun-23	15:13	< 0.0001	< 0.0001
Ho (tot) [mg/L]	27-Jun-23	15:13	< 0.0001	< 0.0001
In (tot) [mg/L]	14-Jul-23	16:34	< 0.0001	< 0.0001
Ir (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
La (tot) [mg/L]	14-Jul-23	16:34	< 0.0001	< 0.0001
Lu (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Nb (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Nd (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Os (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Pd (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Pr (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Pt (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Rb (tot) [mg/L]	27-Jun-23	15:14	0.0118	0.0124

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LR Report : **CA10163-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#8	6: CV5-DMS-HCT-84 Wk#8
Re (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Rh (tot) [mg/L]	27-Jun-23	15:14	< 0.00001	< 0.00001
Sc (tot) [mg/L]	14-Jul-23	16:34	< 0.0001	< 0.0001
Sm (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Ta (tot) [mg/L]	05-Jul-23	10:38	< 0.0001	< 0.0001
Tb (tot) [mg/L]	14-Jul-23	16:34	< 0.0001	< 0.0001
Te (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Th (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001
Tm (tot) [mg/L]	14-Jul-23	16:34	< 0.0001	< 0.0001
Yb (tot) [mg/L]	27-Jun-23	15:14	< 0.0001	< 0.0001

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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17-July-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. : 22 June 2023
LR Report: **CA10164-JUN23**
Reference: Wk#8 - 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#8	6: CV5-WR-HCT-5 Wk#8	7: CV5-WR-HCT-5 (DUP) Wk#8	8: CV5-WR-HCT-14 Wk#8	9: CV5-WR-HCT-22 Wk#8	10: CV5-WR-HCT-33 Wk#8
Sample Date & Time			22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23
HumCell Leachate Vol [mL]	23-Jun-23	16:40	923	903	961	951	976	986
pH [No unit]	23-Jun-23	11:49	7.14	7.28	7.35	8.16	7.07	7.49
Alkalinity [mg/L as CaCO3]	23-Jun-23	11:49	5	7	6	20	6	8
Conductivity [uS/cm]	23-Jun-23	11:49	36	28	22	41	16	18
Acidity [mg/L as CaCO3]	23-Jun-23	11:49	5	< 2	< 2	< 2	< 2	< 2
F [mg/L]	26-Jun-23	09:09	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	11-Jul-23	19:44	9	6	4	3	3	< 2
Cl [mg/L]	11-Jul-23	19:44	1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	29-Jun-23	13:56	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	29-Jun-23	13:56	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	29-Jun-23	13:56	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	23-Jun-23	10:59	< 0.03	0.13	0.08	0.05	0.10	< 0.03
Hg [mg/L]	23-Jun-23	19:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	27-Jun-23	15:14	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	27-Jun-23	15:14	0.044	0.024	0.033	0.134	0.033	0.051
As [mg/L]	05-Jul-23	10:38	0.0067	0.449	0.293	0.0913	0.272	0.0050
Ba [mg/L]	27-Jun-23	15:15	0.00034	0.00040	0.00032	0.00021	0.00014	0.00021
Be [mg/L]	27-Jun-23	15:15	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	27-Jun-23	15:15	0.009	0.008	0.007	0.004	0.006	0.003
Bi [mg/L]	27-Jun-23	15:15	< 0.00001	0.00003	< 0.00001	0.00002	< 0.00001	< 0.00001
Ca [mg/L]	27-Jun-23	15:15	4.55	3.96	3.08	6.82	2.00	3.02
Cd [mg/L]	27-Jun-23	15:15	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	27-Jun-23	15:15	0.000088	0.000204	0.000238	0.000057	0.000147	0.000045
Cr [mg/L]	27-Jun-23	15:15	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00008	< 0.00008
Cu [mg/L]	27-Jun-23	15:15	< 0.0002	< 0.0002	0.0004	0.0003	< 0.0002	0.0003
Fe [mg/L]	27-Jun-23	15:15	< 0.007	< 0.007	< 0.007	< 0.007	0.008	< 0.007
K [mg/L]	27-Jun-23	15:15	0.668	0.313	0.273	0.120	0.135	0.199
Li [mg/L]	27-Jun-23	15:15	0.0275	0.0411	0.0341	0.0081	0.0152	0.0115
Mg [mg/L]	27-Jun-23	15:15	0.720	0.676	0.469	0.522	0.312	0.254
Mn [mg/L]	27-Jun-23	15:15	0.00219	0.00305	0.00346	0.00385	0.00077	0.00806
Mo [mg/L]	27-Jun-23	15:15	0.00022	0.00026	0.00110	0.00115	0.00038	0.00017
Na [mg/L]	27-Jun-23	15:15	0.96	0.40	0.36	0.90	0.73	0.58
Ni [mg/L]	27-Jun-23	15:15	0.0003	0.0021	0.0017	0.0003	0.0006	0.0001

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LR Report : **CA10164-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#8	6: CV5-WR-HCT-5 Wk#8	7: CV5-WR-HCT-5 (DUP) Wk#8	8: CV5-WR-HCT-14 Wk#8	9: CV5-WR-HCT-22 Wk#8	10: CV5-WR-HCT-33 Wk#8
Pb [mg/L]	27-Jun-23	15:15	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	05-Jul-23	10:38	0.0055	0.121	0.0802	0.0174	0.0171	0.0055
Se [mg/L]	27-Jun-23	15:15	0.00028	0.00014	0.00011	0.00020	0.00007	0.00009
Sn [mg/L]	27-Jun-23	15:15	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00006
Sr [mg/L]	27-Jun-23	15:15	0.0197	0.0128	0.0106	0.00928	0.00754	0.00408
Ti [mg/L]	27-Jun-23	15:15	0.00036	0.00022	0.00023	0.00033	0.00041	0.00035
Tl [mg/L]	27-Jun-23	15:15	0.000015	0.000005	0.000005	< 0.000005	0.000007	< 0.000005
U [mg/L]	05-Jul-23	10:39	0.00182	0.00162	0.000053	0.000152	0.000118	0.000098
V [mg/L]	27-Jun-23	15:16	0.00046	0.00085	0.00081	0.00496	0.00158	0.00128
W [mg/L]	27-Jun-23	15:16	0.00015	0.00030	0.00054	0.00007	0.00015	0.00030
Y [mg/L]	27-Jun-23	15:16	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	27-Jun-23	15:16	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	27-Jun-23	15:16	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	27-Jun-23	15:16	0.00002	0.00002	0.00001	0.00002	0.00003	0.00002
Cs (tot) [mg/L]	27-Jun-23	15:16	0.0112	0.0179	0.0178	0.0032	0.0071	0.0078
Dy (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	14-Jul-23	16:35	< 0.0001	< 0.0001	< 0.0001	0.0003	0.0001	0.0001
Gd (tot) [mg/L]	27-Jun-23	15:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	14-Jul-23	16:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	14-Jul-23	16:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	27-Jun-23	15:16	0.0080	0.0069	0.0064	0.0009	0.0025	0.0014
Re (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	27-Jun-23	15:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	14-Jul-23	16:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	14-Jul-23	16:40	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	14-Jul-23	16:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	14-Jul-23	16:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	27-Jun-23	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-36 Wk#8	12: CV5-WR-HCT-39 Wk#8	13: CV5-WR-HCT-50 Wk#8	14: CV5-WR-HCT-56 Wk#8	15: CV5-WR-HCT-59 Wk#8	16: CV5-WR-HCT-62 Wk#8	17: CV5-WR-HCT-64 Wk#8	18: CV5-WR-HCT-69 Wk#8
Sample Date & Time	22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23	22-Jun-23
HumCell Leachate Vol [mL]	961	975	981	963	982	947	1000	990
pH [No unit]	7.38	6.89	7.54	7.74	6.86	7.57	7.26	7.54

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LR Report : **CA10164-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#8	12: CV5-WR-HCT-39 Wk#8	13: CV5-WR-HCT-50 Wk#8	14: CV5-WR-HCT-56 Wk#8	15: CV5-WR-HCT-59 Wk#8	16: CV5-WR-HCT-62 Wk#8	17: CV5-WR-HCT-64 Wk#8	18: CV5-WR-HCT-69 Wk#8
Alkalinity [mg/L as CaCO3]	9	4	17	10	3	11	8	11
Conductivity [uS/cm]	25	20	47	27	22	29	17	24
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.18	0.39	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	2	8	14	3	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]	1.33	< 0.03	< 0.03	< 0.03	0.26	0.76	< 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	0.033	0.090	0.054	0.008	0.002	0.034	0.146
As [mg/L]	4.03	0.0515	0.0282	0.0199	0.906	2.57	0.0432	0.0257
Ba [mg/L]	0.00120	0.00046	0.00080	0.00064	0.00035	0.00146	0.00015	0.00023
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000012	0.000179
B [mg/L]	0.025	0.006	0.004	0.006	0.004	0.005	0.004	0.005
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00050
Ca [mg/L]	3.68	3.71	11.1	4.15	2.46	3.99	2.61	4.18
Cd [mg/L]	< 0.000003	0.000008	0.000027	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000369	0.000217	0.00182	0.000054	0.000555	0.000238	0.000023	0.000026
Cr [mg/L]	0.00017	< 0.00008	< 0.00008	< 0.00008	0.00012	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0003	0.0002	< 0.0002	0.0003	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.104	0.653	1.33	0.975	0.190	0.101	1.08	0.301
Li [mg/L]	0.0062	0.0301	0.0283	0.0130	0.0056	0.0009	0.0136	0.0095
Mg [mg/L]	1.10	0.570	0.662	0.398	0.707	1.15	0.184	0.148
Mn [mg/L]	0.00288	0.00289	0.0118	0.0170	0.00160	0.00410	0.00622	0.00351
Mo [mg/L]	0.00163	0.00058	0.00104	0.00017	0.00046	0.00209	0.00010	0.00185
Na [mg/L]	0.17	0.73	0.31	0.44	0.36	0.21	0.30	0.57
Ni [mg/L]	0.0212	0.0005	0.0018	0.0002	0.0055	0.0179	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]	0.839	0.0372	0.127	< 0.0009	0.0151	1.75	0.0062	0.0067
Se [mg/L]	0.00010	0.00015	0.00117	0.00006	0.00007	0.00016	< 0.00004	0.00015
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00010
Sr [mg/L]	0.00755	0.0142	0.0145	0.00567	0.0152	0.00441	0.00558	0.00932
Ti [mg/L]	0.00015	0.00016	0.00015	0.00042	0.00020	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000008	0.000012	0.000036	< 0.000005	0.000005	< 0.000005	0.000099	0.000019
U [mg/L]	0.00425	0.00920	0.00371	0.000761	0.000218	0.00288	0.00449	0.0153
V [mg/L]	0.00054	0.00059	0.00036	0.00087	0.00091	0.00043	0.00006	0.00025
W [mg/L]	0.00021	0.00021	0.00014	0.00050	0.00100	0.00030	0.00026	0.00029
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	0.00004	0.00002	0.00003	0.00002	0.00001	0.00001	0.00001
Cs (tot) [mg/L]	0.0180	0.0055	0.0893	0.0279	0.0163	0.0045	0.0248	0.0050
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

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LR Report : **CA10164-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#8	12: CV5-WR-HCT-39 Wk#8	13: CV5-WR-HCT-50 Wk#8	14: CV5-WR-HCT-56 Wk#8	15: CV5-WR-HCT-59 Wk#8	16: CV5-WR-HCT-62 Wk#8	17: CV5-WR-HCT-64 Wk#8	18: CV5-WR-HCT-69 Wk#8
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	0.0053	0.0357	0.0029	0.0054	0.0019	0.0558	0.0114
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	0.0002	< 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#8	20: CV5-ORE-HCT-76 Wk#8
Sample Date & Time	22-Jun-23	22-Jun-23
HumCell Leachate Vol [mL]	973	974
pH [No unit]	7.09	7.36
Alkalinity [mg/L as CaCO3]	5	11
Conductivity [uS/cm]	13	24
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]	0.08	0.05
Hg [mg/L]	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005
Al [mg/L]	0.039	0.052
As [mg/L]	0.0458	0.0149
Ba [mg/L]	0.00016	0.00032
Be [mg/L]	0.000009	0.000068
B [mg/L]	0.006	0.006
Bi [mg/L]	< 0.00001	0.00017
Ca [mg/L]	1.78	3.79
Cd [mg/L]	< 0.000003	< 0.000003
Co [mg/L]	0.000058	0.000018

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LR Report : **CA10164-JUN23**

Analysis	19: CV5-ORE-HCT-7 4 Wk#8	20: CV5-ORE-HCT-7 6 Wk#8
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.511	1.09
Li [mg/L]	0.0384	0.0251
Mg [mg/L]	0.058	0.222
Mn [mg/L]	0.0394	0.00394
Mo [mg/L]	0.00258	0.00013
Na [mg/L]	0.50	0.45
Ni [mg/L]	0.0002	< 0.0001
Pb [mg/L]	< 0.00009	0.00013
Sb [mg/L]	0.0428	0.0038
Se [mg/L]	0.00013	0.00005
Sn [mg/L]	0.00008	< 0.00006
Sr [mg/L]	0.00318	0.0103
Ti [mg/L]	< 0.00007	< 0.00007
Tl [mg/L]	0.000074	0.000049
U [mg/L]	0.000525	0.00343
V [mg/L]	0.00003	0.00011
W [mg/L]	0.00015	0.00029
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	0.00002
Cs (tot) [mg/L]	0.0291	0.0159
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]	0.0459	0.0258
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

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LR Report : **CA10164-JUN23**

Analysis	19: CV5-ORE-HCT-74 Wk#8	20: CV5-ORE-HCT-76 Wk#8
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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. : 19 October 2023
LR Report: **CA10164-OCT23**
Reference: Wk#25

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#25	6: CV5-DMS-HC T-84 Wk#25
Sample Date & Time			19-Oct-23	19-Oct-23
HumCell Leachate Vol [mL]	20-Oct-23	09:56	976	969
pH [No unit]	24-Oct-23	13:13	6.62	6.62
Alkalinity [mg/L as CaCO3]	26-Oct-23	14:57	2	2
Conductivity [uS/cm]	26-Oct-23	14:57	5	5
Acidity [mg/L as CaCO3]	08-Nov-23	12:32	< 2	< 2
F [mg/L]	24-Oct-23	09:15	< 0.06	< 0.06
Tot.Reactive P [mg/L]	20-Oct-23	08:43	< 0.03	0.03
SO4 [mg/L]	09-Nov-23	19:14	< 2	< 2
Cl [mg/L]	09-Nov-23	19:14	< 1	< 1
NO2 [as N mg/L]	27-Oct-23	12:34	< 0.03	< 0.03
NO3 [as N mg/L]	27-Oct-23	12:34	< 0.06	< 0.06
Br [mg/L]	27-Oct-23	12:34	< 0.3	< 0.3
Hg [mg/L]	27-Oct-23	12:58	< 0.00001	< 0.00001
Ag [mg/L]	27-Oct-23	12:58	< 0.00005	< 0.00005
Al [mg/L]	27-Oct-23	12:58	0.026	0.029
As [mg/L]	27-Oct-23	12:58	0.0071	0.0053
Ba [mg/L]	27-Oct-23	12:58	< 0.00008	0.00010
Be [mg/L]	27-Oct-23	12:58	0.000034	0.000043
B [mg/L]	27-Oct-23	12:58	< 0.002	< 0.002
Bi [mg/L]	27-Oct-23	12:58	0.00007	0.00010
Ca [mg/L]	27-Oct-23	12:58	0.92	0.96
Cd [mg/L]	27-Oct-23	12:58	0.000006	0.000007
Co [mg/L]	27-Oct-23	12:58	0.000019	0.000018
Cr [mg/L]	27-Oct-23	12:58	0.00019	0.00021
Cu [mg/L]	27-Oct-23	12:58	0.0069	0.0003
Fe [mg/L]	27-Oct-23	12:58	< 0.007	< 0.007
K [mg/L]	27-Oct-23	12:58	0.192	0.191

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LR Report : **CA10164-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#25	6: CV5-DMS-HC T-84 Wk#25
Li [mg/L]	27-Oct-23	12:58	0.0017	0.0019
Mg [mg/L]	27-Oct-23	12:58	0.040	0.055
Mn [mg/L]	27-Oct-23	12:58	0.00491	0.00650
Mo [mg/L]	27-Oct-23	12:58	0.00019	0.00052
Na [mg/L]	27-Oct-23	12:58	0.06	0.07
Ni [mg/L]	27-Oct-23	12:58	0.0001	< 0.0001
Pb [mg/L]	27-Oct-23	12:58	0.00048	0.00010
Sb [mg/L]	27-Oct-23	12:58	0.0027	0.0024
Se [mg/L]	27-Oct-23	12:58	< 0.00004	< 0.00004
Sn [mg/L]	27-Oct-23	12:58	0.00006	< 0.00006
Sr [mg/L]	27-Oct-23	12:58	0.00259	0.00291
Ti [mg/L]	27-Oct-23	12:58	< 0.00007	< 0.00007
Tl [mg/L]	27-Oct-23	12:58	0.000053	0.000035
U [mg/L]	27-Oct-23	12:58	0.00314	0.00221
V [mg/L]	27-Oct-23	12:58	0.00010	0.00010
W [mg/L]	27-Oct-23	12:58	0.00003	0.00037
Y [mg/L]	27-Oct-23	12:58	< 0.00002	< 0.00002
Zn [mg/L]	27-Oct-23	12:58	0.005	< 0.002
Au (tot) [mg/L]	27-Oct-23	12:58	< 0.00001	< 0.00001
Ce (tot) [mg/L]	27-Oct-23	12:58	0.00002	0.00002
Cs (tot) [mg/L]	27-Oct-23	12:58	0.0040	0.0040
Dy (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Er (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Eu (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Ga (tot) [mg/L]	03-Nov-23	10:48	< 0.0001	< 0.0001
Gd (tot) [mg/L]	27-Oct-23	12:58	< 0.00001	< 0.00001
Ge (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Hf (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Ho (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
In (tot) [mg/L]	03-Nov-23	10:48	< 0.0001	< 0.0001
Ir (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
La (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Lu (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Nb (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Nd (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Os (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Pd (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Pr (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Pt (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Rb (tot) [mg/L]	27-Oct-23	12:58	0.0131	0.0130
Re (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Rh (tot) [mg/L]	27-Oct-23	12:58	< 0.00001	< 0.00001

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LR Report : **CA10164-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#25	6: CV5-DMS-HC T-84 Wk#25
Sc (tot) [mg/L]	03-Nov-23	10:48	< 0.0001	< 0.0001
Sm (tot) [mg/L]	27-Oct-23	12:58	< 0.0001	< 0.0001
Ta (tot) [mg/L]	27-Oct-23	12:57	< 0.0001	< 0.0001
Tb (tot) [mg/L]	03-Nov-23	10:48	< 0.0001	< 0.0001
Te (tot) [mg/L]	27-Oct-23	12:57	< 0.0001	< 0.0001
Th (tot) [mg/L]	27-Oct-23	12:57	< 0.0001	< 0.0001
Tm (tot) [mg/L]	03-Nov-23	10:48	< 0.0001	< 0.0001
Yb (tot) [mg/L]	27-Oct-23	12:57	< 0.0001	< 0.0001

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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. : 19 October 2023
LR Report: **CA10165-OCT23**
Reference: Wk#25

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#25	6: CV5-WR-HCT-5 Wk#25	7: CV5-WR-HCT-5 (DUP) Wk#25	8: CV5-WR-HCT-14 Wk#25
Sample Date & Time			19-Oct-23	19-Oct-23	19-Oct-23	19-Oct-23
HumCell Leachate Vol [mL]	20-Oct-23	09:56	924	935	941	995
pH [No unit]	26-Oct-23	15:00	6.74	6.82	6.75	7.43
Alkalinity [mg/L as CaCO3]	25-Oct-23	11:37	3	4	3	12
Conductivity [uS/cm]	25-Oct-23	11:39	27	19	15	31
Acidity [mg/L as CaCO3]	26-Oct-23	15:00	3	< 2	< 2	< 2
F [mg/L]	24-Oct-23	09:15	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	20-Oct-23	08:43	< 0.03	0.08	0.05	< 0.03
SO4 [mg/L]	10-Nov-23	11:49	9	4	3	2
Cl [mg/L]	10-Nov-23	11:49	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	31-Oct-23	12:48	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	31-Oct-23	12:48	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	31-Oct-23	12:48	< 0.3	< 0.3	< 0.3	< 0.3
Hg [mg/L]	27-Oct-23	12:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	27-Oct-23	13:00	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	27-Oct-23	13:00	0.030	0.023	0.030	0.092
As [mg/L]	27-Oct-23	13:00	0.0088	0.203	0.142	0.0409
Ba [mg/L]	27-Oct-23	13:00	0.00029	0.00015	0.00014	0.00010
Be [mg/L]	27-Oct-23	13:00	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	27-Oct-23	13:00	0.003	0.002	< 0.002	< 0.002
Bi [mg/L]	27-Oct-23	13:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	27-Oct-23	13:00	3.72	2.81	2.28	5.59
Cd [mg/L]	27-Oct-23	13:00	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	27-Oct-23	13:00	0.000087	0.000235	0.000203	0.000056
Cr [mg/L]	27-Oct-23	13:00	0.00022	0.00023	0.00021	0.00013
Cu [mg/L]	27-Oct-23	13:00	0.0011	0.0005	0.0003	0.0015
Fe [mg/L]	27-Oct-23	13:00	0.008	< 0.007	< 0.007	< 0.007
K [mg/L]	27-Oct-23	13:00	0.274	0.128	0.112	0.055

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LR Report : **CA10165-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#25	6: CV5-WR-HCT-5 Wk#25	7: CV5-WR-HCT-5 (DUP) Wk#25	8: CV5-WR-HCT-14 Wk#25
Li [mg/L]	27-Oct-23	13:00	0.0091	0.0100	0.0086	0.0043
Mg [mg/L]	27-Oct-23	13:00	0.407	0.269	0.223	0.252
Mn [mg/L]	27-Oct-23	13:00	0.00178	0.00200	0.00190	0.00582
Mo [mg/L]	27-Oct-23	13:00	0.00030	0.00019	0.00033	0.00013
Na [mg/L]	27-Oct-23	13:00	0.21	0.13	0.09	0.22
Ni [mg/L]	27-Oct-23	13:00	0.0003	0.0013	0.0009	0.0002
Pb [mg/L]	27-Oct-23	13:00	< 0.00009	< 0.00009	< 0.00009	0.00011
Sb [mg/L]	27-Oct-23	13:00	0.0044	0.0550	0.0286	0.0073
Se [mg/L]	27-Oct-23	13:00	0.00023	0.00004	0.00018	0.00007
Sn [mg/L]	27-Oct-23	13:00	0.00007	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	27-Oct-23	13:00	0.0122	0.00695	0.00611	0.00502
Ti [mg/L]	27-Oct-23	13:00	0.00026	0.00015	0.00046	0.00030
Tl [mg/L]	27-Oct-23	13:00	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	27-Oct-23	13:00	0.000101	0.000032	0.000025	0.00281
V [mg/L]	27-Oct-23	13:00	0.00044	0.00061	0.00051	0.00262
W [mg/L]	27-Oct-23	13:00	0.00005	0.00006	0.00005	< 0.00002
Y [mg/L]	27-Oct-23	13:00	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	27-Oct-23	13:00	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	27-Oct-23	13:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	27-Oct-23	13:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Cs (tot) [mg/L]	27-Oct-23	13:00	0.0076	0.0102	0.0097	0.0020
Dy (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	03-Nov-23	10:49	< 0.0001	< 0.0001	< 0.0001	0.0002
Gd (tot) [mg/L]	27-Oct-23	13:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	03-Nov-23	10:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	27-Oct-23	13:00	0.0042	0.0036	0.0030	0.0005
Re (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	27-Oct-23	13:00	< 0.00001	< 0.00001	< 0.00001	< 0.00001

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LR Report : **CA10165-OCT23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#25	6: CV5-WR-HCT-5 Wk#25	7: CV5-WR-HCT-5 (DUP) Wk#25	8: CV5-WR-HCT-14 Wk#25
Sc (tot) [mg/L]	03-Nov-23	10:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	03-Nov-23	10:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	03-Nov-23	10:49	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	27-Oct-23	13:00	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	9: CV5-WR-HCT-22 Wk#25	10: CV5-WR-HCT-33 Wk#25	11: CV5-WR-HCT-36 Wk#25	12: CV5-WR-HCT-39 Wk#25	13: CV5-WR-HCT-50 Wk#25	14: CV5-WR-HCT-56 Wk#25
Sample Date & Time	19-Oct-23	19-Oct-23	19-Oct-23	19-Oct-23	19-Oct-23	19-Oct-23
HumCell Leachate Vol [mL]	984	930	944	946	970	954
pH [No unit]	6.88	7.14	7.54	6.89	7.62	7.20
Alkalinity [mg/L as CaCO3]	4	12	23	4	7	6
Conductivity [uS/cm]	11	29	49	29	34	30
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	8	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	0.26	0.22	< 0.06
Tot.Reactive P [mg/L]	0.06	0.24	1.17	0.40	0.22	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	7	7	5
Cl [mg/L]	2	1	< 1	< 1	7	7
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]	0.023	0.103	0.008	0.070	0.038	0.038
As [mg/L]	0.161	0.0070	1.70	0.0481	0.0092	0.0187
Ba [mg/L]	< 0.00008	0.00025	0.00111	0.00048	0.00030	0.00043
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000013	< 0.000007	< 0.000007
B [mg/L]	0.003	< 0.002	0.007	0.003	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	1.57	5.04	7.91	4.06	5.65	4.25
Cd [mg/L]	< 0.000003	0.000004	< 0.000003	0.000015	0.000055	0.000003
Co [mg/L]	0.000146	0.000194	0.000718	0.000541	0.00310	0.000065
Cr [mg/L]	0.00020	0.00014	0.00049	0.00028	0.00015	0.00014
Cu [mg/L]	0.0018	0.0012	0.0020	0.0012	0.0015	0.0007
Fe [mg/L]	0.010	0.018	0.014	0.026	0.010	< 0.007
K [mg/L]	0.062	0.081	0.080	0.388	0.221	0.311
Li [mg/L]	0.0060	0.0041	0.0034	0.0152	0.0097	0.0041

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LR Report : **CA10165-OCT23**

Analysis	9: CV5-WR-HCT-22 Wk#25	10: CV5-WR-HCT-33 Wk#25	11: CV5-WR-HCT-36 Wk#25	12: CV5-WR-HCT-39 Wk#25	13: CV5-WR-HCT-50 Wk#25	14: CV5-WR-HCT-56 Wk#25
Mg [mg/L]	0.261	0.177	1.04	0.567	0.125	0.358
Mn [mg/L]	0.00052	0.0237	0.00979	0.00618	0.0100	0.00897
Mo [mg/L]	0.00097	0.00012	0.00008	0.00023	0.00024	0.00030
Na [mg/L]	0.24	0.18	0.08	0.32	0.10	0.15
Ni [mg/L]	0.0004	0.0002	0.0263	0.0011	0.0021	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	0.00010	0.00036	0.00014	< 0.00009
Sb [mg/L]	0.0080	0.0034	0.641	0.0239	0.0310	< 0.0009
Se [mg/L]	< 0.00004	0.00010	0.00006	0.00015	0.00053	0.00005
Sn [mg/L]	< 0.00006	0.00007	0.00019	0.00007	0.00006	< 0.00006
Sr [mg/L]	0.00642	0.00450	0.00797	0.0140	0.00498	0.00575
Ti [mg/L]	0.00018	0.00108	0.00014	0.00124	0.00084	0.00011
Tl [mg/L]	< 0.000005	< 0.000005	0.000006	0.000013	0.000030	< 0.000005
U [mg/L]	0.000155	0.00162	0.000141	0.000407	0.00112	0.00451
V [mg/L]	0.00121	0.00085	0.00041	0.00084	0.00020	0.00049
W [mg/L]	< 0.00002	0.00005	0.00010	0.00004	< 0.00002	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	0.003	0.017	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00004	< 0.00001
Ce (tot) [mg/L]	< 0.00001	0.00002	< 0.00001	0.00007	0.00003	< 0.00001
Cs (tot) [mg/L]	0.0046	0.0051	0.0187	0.0050	0.0392	0.0223
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	0.0007	0.0027	0.0040	0.0087	0.0012
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

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LR Report : **CA10165-OCT23**

Analysis	9: CV5-WR-HCT-22 Wk#25	10: CV5-WR-HCT-33 Wk#25	11: CV5-WR-HCT-36 Wk#25	12: CV5-WR-HCT-39 Wk#25	13: CV5-WR-HCT-50 Wk#25	14: CV5-WR-HCT-56 Wk#25
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#25	16: CV5-WR-HCT-62 Wk#25	17: CV5-WR-HCT-64 Wk#25	18: CV5-WR-HCT-69 Wk#25	19: CV5-ORE-HCT-74 Wk#25	20: CV5-ORE-HCT-76 Wk#25
Sample Date & Time	19-Oct-23	19-Oct-23	19-Oct-23	19-Oct-23	19-Oct-23	19-Oct-23
HumCell Leachate Vol [mL]	978	924	980	992	980	960
pH [No unit]	6.15	7.07	7.03	7.40	6.99	7.26
Alkalinity [mg/L as CaCO3]	2	9	5	8	4	16
Conductivity [uS/cm]	13	27	10	16	8	29
Acidity [mg/L as CaCO3]	4	< 2	< 2	< 2	3	< 2
F [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Tot.Reactive P [mg/L]	0.12	0.28	< 0.03	< 0.03	0.26	0.28
SO4 [mg/L]	3	2	< 2	< 2	< 2	< 2
Cl [mg/L]	< 1	4	19	< 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]	0.006	0.002	0.029	0.092	0.059	0.097
As [mg/L]	0.356	0.844	0.0100	0.0061	0.0158	0.0049
Ba [mg/L]	0.00012	0.00052	0.00040	0.00013	0.00020	0.00014
Be [mg/L]	< 0.000007	< 0.000007	0.000009	0.000079	0.000016	0.000123
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00032	< 0.00001	0.00016
Ca [mg/L]	1.57	3.34	1.93	3.02	1.22	5.48
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	0.000005
Co [mg/L]	0.000500	0.000399	0.000016	0.000009	0.000025	0.000026
Cr [mg/L]	0.00020	0.00021	0.00024	0.00020	0.00027	0.00025
Cu [mg/L]	0.0002	0.0002	0.0022	0.0004	0.0022	0.0022
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.067	0.045	0.302	0.120	0.227	0.559
Li [mg/L]	0.0022	0.0006	0.0028	0.0028	0.0122	0.0116
Mg [mg/L]	0.365	0.872	0.094	0.066	0.038	0.209

OnLine LIMS

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LR Report : **CA10165-OCT23**

Analysis	15: CV5-WR-HCT-59 Wk#25	16: CV5-WR-HCT-62 Wk#25	17: CV5-WR-HCT-64 Wk#25	18: CV5-WR-HCT-69 Wk#25	19: CV5-ORE-HCT-74 Wk#25	20: CV5-ORE-HCT-76 Wk#25
Mn [mg/L]	0.00151	0.00296	0.00446	0.00334	0.0699	0.00690
Mo [mg/L]	0.00034	0.00087	0.00018	0.00023	0.00012	0.00043
Na [mg/L]	0.12	0.09	0.09	0.20	0.20	0.17
Ni [mg/L]	0.0041	0.0083	0.0001	< 0.0001	0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00010	< 0.00009	0.00012	0.00024
Sb [mg/L]	0.0070	0.810	0.0024	0.0025	0.0177	0.0017
Se [mg/L]	< 0.00004	0.00012	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Sn [mg/L]	0.00006	< 0.00006	< 0.00006	< 0.00006	0.00047	0.00018
Sr [mg/L]	0.00809	0.00334	0.00334	0.00593	0.00222	0.0112
Ti [mg/L]	0.00010	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000045	0.000006	0.000070	0.000043
U [mg/L]	0.00144	0.000134	0.00275	0.00575	0.00165	0.00823
V [mg/L]	0.00052	0.00029	0.00010	0.00015	0.00011	0.00017
W [mg/L]	0.00016	0.00008	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	0.012	< 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]	0.0091	0.0030	0.0104	0.0026	0.0202	0.0130
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	0.0002	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]	0.0024	0.0011	0.0202	0.0051	0.0248	0.0182
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

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LR Report : **CA10165-OCT23**

Analysis	15: CV5-WR-HCT-59 Wk#25	16: CV5-WR-HCT-62 Wk#25	17: CV5-WR-HCT-64 Wk#25	18: CV5-WR-HCT-69 Wk#25	19: CV5-ORE-HCT-74 Wk#25	20: CV5-ORE-HCT-76 Wk#25
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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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27-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: **CA10166-SEP23**
Reference: Wk#21

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#21	6: CV5-WR-HCT-5 Wk#21	7: CV5-WR-HCT-5 (DUP) Wk#21	8: CV5-WR-HCT-14 Wk#21
Sample Date & Time			21-Sep-23	21-Sep-23	21-Sep-23	21-Sep-23
HumCell Leachate Vol [mL]	22-Sep-23	16:50	924	905	962	994
pH [No unit]	27-Sep-23	10:18	6.66	6.90	6.83	7.37
Alkalinity [mg/L as CaCO3]	27-Sep-23	10:50	3	5	4	13
Conductivity [uS/cm]	26-Sep-23	10:55	26	21	16	32
Acidity [mg/L as CaCO3]	26-Sep-23	10:55	3	< 2	< 2	< 2
Tot.Reactive P [mg/L]	25-Sep-23	08:47	< 0.03	0.05	< 0.03	< 0.03
SO4 [mg/L]	16-Oct-23	12:29	6	3	2	< 2
Ag [mg/L]	29-Sep-23	15:41	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-Sep-23	15:41	0.028	0.023	0.024	0.085
As [mg/L]	27-Oct-23	12:39	0.0045	0.254	0.168	0.0430
Ba [mg/L]	29-Sep-23	15:42	0.00029	0.00028	0.00024	0.00016
Be [mg/L]	29-Sep-23	15:42	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	29-Sep-23	15:42	0.004	0.002	0.002	< 0.002
Bi [mg/L]	29-Sep-23	15:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	29-Sep-23	15:42	3.27	2.93	2.33	5.65
Cd [mg/L]	29-Sep-23	15:42	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	29-Sep-23	15:42	0.000075	0.000147	0.000217	0.000058
Cr [mg/L]	29-Sep-23	15:42	0.00008	< 0.00008	< 0.00008	0.00014
Cu [mg/L]	29-Sep-23	15:42	0.0003	< 0.0002	0.0003	0.0002
Fe [mg/L]	29-Sep-23	15:42	0.019	0.008	0.007	0.009
K [mg/L]	29-Sep-23	15:42	0.280	0.132	0.104	0.046
Li [mg/L]	29-Sep-23	15:42	0.0134	0.0151	0.0123	0.0055
Mg [mg/L]	29-Sep-23	15:42	0.447	0.328	0.253	0.284
Mn [mg/L]	29-Sep-23	15:42	0.00132	0.00168	0.00189	0.00602
Mo [mg/L]	29-Sep-23	15:42	0.00078	0.00019	0.00052	0.00017
Na [mg/L]	29-Sep-23	15:42	0.22	0.10	0.09	0.27
Ni [mg/L]	29-Sep-23	15:42	0.0003	0.0010	0.0009	0.0003

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LR Report : **CA10166-SEP23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#21	6: CV5-WR-HCT-5 Wk#21	7: CV5-WR-HCT-5 (DUP) Wk#21	8: CV5-WR-HCT-14 Wk#21
Pb [mg/L]	29-Sep-23	15:42	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	27-Oct-23	12:39	0.0040	0.0586	0.0363	0.0075
Se [mg/L]	29-Sep-23	15:42	0.00019	0.00006	0.00006	0.00010
Sn [mg/L]	29-Sep-23	15:42	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	29-Sep-23	15:42	0.0115	0.00738	0.00628	0.00530
Ti [mg/L]	29-Sep-23	15:42	0.00018	0.00011	< 0.00007	0.00019
Tl [mg/L]	29-Sep-23	15:42	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	29-Sep-23	15:42	0.00131	0.000045	0.000020	0.000047
V [mg/L]	29-Sep-23	15:42	0.00040	0.00065	0.00055	0.00282
W [mg/L]	29-Sep-23	15:42	0.00008	0.00010	0.00010	0.00003
Y [mg/L]	29-Sep-23	15:42	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	29-Sep-23	15:42	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CV5-WR-HCT-22 Wk#21	10: CV5-WR-HCT-33 Wk#21	11: CV5-WR-HCT-36 Wk#21	12: CV5-WR-HCT-39 Wk#21	13: CV5-WR-HCT-50 Wk#21	14: CV5-WR-HCT-56 Wk#21
Sample Date & Time	21-Sep-23	21-Sep-23	21-Sep-23	21-Sep-23	21-Sep-23	21-Sep-23
HumCell Leachate Vol [mL]	994	992	982	945	954	950
pH [No unit]	6.93	7.21	7.19	6.62	6.98	7.04
Alkalinity [mg/L as CaCO3]	6	9	8	2	7	7
Conductivity [uS/cm]	14	20	23	21	56	25
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	6	< 2
Tot.Reactive P [mg/L]	0.05	< 0.03	0.80	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	< 2	< 2	< 2	5	11	4
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.029	0.059	0.004	0.021	0.055	0.036
As [mg/L]	0.207	0.0069	2.00	0.0312	0.0120	0.0187
Ba [mg/L]	0.00020	0.00023	0.00095	0.00026	0.00061	0.00046
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	0.002	< 0.002	0.010	0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	2.15	3.18	2.94	2.62	8.91	3.74
Cd [mg/L]	0.000003	< 0.000003	< 0.000003	0.000007	0.000028	< 0.000003
Co [mg/L]	0.000176	0.000092	0.000268	0.000127	0.00140	0.000059
Cr [mg/L]	0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0002	0.0005	0.0003	< 0.0002	0.0002	0.0002
Fe [mg/L]	0.013	0.009	0.021	< 0.007	0.008	< 0.007
K [mg/L]	0.066	0.067	0.048	0.256	0.354	0.352
Li [mg/L]	0.0096	0.0058	0.0039	0.0148	0.0207	0.0059
Mg [mg/L]	0.296	0.160	0.713	0.379	0.249	0.391
Mn [mg/L]	0.00078	0.00970	0.00176	0.00160	0.00763	0.00995

OnLine LIMS

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LR Report : **CA10166-SEP23**

Analysis	9: CV5-WR-HCT-22 Wk#21	10: CV5-WR-HCT-33 Wk#21	11: CV5-WR-HCT-36 Wk#21	12: CV5-WR-HCT-39 Wk#21	13: CV5-WR-HCT-50 Wk#21	14: CV5-WR-HCT-56 Wk#21
Mo [mg/L]	0.00077	0.00057	0.00074	0.00057	0.00071	0.00038
Na [mg/L]	0.20	0.16	0.07	0.18	0.15	0.11
Ni [mg/L]	0.0005	0.0001	0.0123	0.0003	0.0010	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0098	0.0024	0.646	0.0236	0.0582	< 0.0009
Se [mg/L]	0.00004	0.00011	0.00007	0.00009	0.00086	0.00008
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00678	0.00328	0.00458	0.00877	0.00812	0.00478
Ti [mg/L]	0.00044	0.00010	< 0.00007	0.00010	0.00011	0.00010
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000005	0.000022	< 0.000005
U [mg/L]	0.000378	0.000042	0.000663	0.000475	0.00258	0.00299
V [mg/L]	0.00150	0.00074	0.00029	0.00040	0.00017	0.00054
W [mg/L]	0.00004	0.00006	0.00011	0.00007	0.00004	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	0.005	< 0.002

Analysis	15: CV5-WR-HCT-59 Wk#21	16: CV5-WR-HCT-62 Wk#21	17: CV5-WR-HCT-64 Wk#21	18: CV5-WR-HCT-69 Wk#21	19: CV5-ORE-HCT-74 Wk#21	20: CV5-ORE-HCT-76 Wk#21
Sample Date & Time	21-Sep-23	21-Sep-23	21-Sep-23	21-Sep-23	21-Sep-23	21-Sep-23
HumCell Leachate Vol [mL]	997	963	965	989	998	968
pH [No unit]	6.64	8.03	6.84	7.51	6.83	7.02
Alkalinity [mg/L as CaCO3]	2	8	5	11	4	7
Conductivity [uS/cm]	13	26	11	18	6	17
Acidity [mg/L as CaCO3]	2	< 2	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	0.11	0.32	< 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]	0.005	0.001	0.027	0.101	0.029	0.037
As [mg/L]	0.405	1.09	0.0113	0.0072	0.0149	0.0051
Ba [mg/L]	0.00023	0.00085	0.00014	0.00027	0.00016	0.00015
Be [mg/L]	< 0.000007	< 0.000007	0.000015	0.000095	< 0.000007	0.000102
B [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	0.002
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00033	< 0.00001	0.00010
Ca [mg/L]	1.67	3.48	1.79	2.91	1.08	2.87
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	0.000003	< 0.000003
Co [mg/L]	0.000418	0.000409	0.000015	0.000007	0.000025	0.000009
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0006	0.0004	0.0002
Fe [mg/L]	0.012	0.007	< 0.007	< 0.007	0.015	0.008
K [mg/L]	0.059	0.031	0.322	0.102	0.149	0.443

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0003515159

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-SEP23**

Analysis	15: CV5-WR-HCT-59 Wk#21	16: CV5-WR-HCT-62 Wk#21	17: CV5-WR-HCT-64 Wk#21	18: CV5-WR-HCT-69 Wk#21	19: CV5-ORE-HCT-74 Wk#21	20: CV5-ORE-HCT-76 Wk#21
Li [mg/L]	0.0029	0.0007	0.0040	0.0037	0.0127	0.0128
Mg [mg/L]	0.384	0.958	0.095	0.060	0.024	0.157
Mn [mg/L]	0.00153	0.00287	0.00426	0.00315	0.0442	0.00208
Mo [mg/L]	0.00029	0.00036	0.00018	0.00179	0.00030	0.00046
Na [mg/L]	0.08	0.04	0.08	0.19	0.14	0.15
Ni [mg/L]	0.0036	0.0110	0.0001	< 0.0001	0.0111	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00011	0.00009
Sb [mg/L]	0.0074	0.847	0.0022	0.0033	0.0169	0.0017
Se [mg/L]	0.00005	0.00017	< 0.00004	0.00006	< 0.00004	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00010	0.00014	0.00006
Sr [mg/L]	0.00817	0.00312	0.00299	0.00548	0.00165	0.00730
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	0.000041	0.000005	0.000036	0.000032
U [mg/L]	0.000208	0.000103	0.00164	0.00563	0.00219	0.00355
V [mg/L]	0.00053	0.00026	0.00002	0.00011	0.00002	0.00008
W [mg/L]	0.00023	0.00012	0.00007	0.00008	0.00006	0.00013
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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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Lakefield - Ontario - KOL 2HO
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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003504126

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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: **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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
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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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
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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

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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

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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

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0003609169

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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16-January-2024

Patriot Battery Metals Inc
Attn : Andree Drolet/Alix Drapack

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003592785

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16-January-2024

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Date Rec. : 21 December 2023
LR Report: **CA10175-DEC23**
Reference: Wk#34

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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

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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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LR Report : **CA10195-NOV23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HCT-83 Wk#30	6: CV5-DMS-HCT-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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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 LIMS

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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

0003555511

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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

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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

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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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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

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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 LIMS

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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	---	---	---	---	---	---

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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	---	---	---	---	---	---

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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]	---	---

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

Patriot Tailings- Long - (9.5mm fraction size)

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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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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

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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 LIMS

0003364226

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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 LIMS

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003364226

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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 LIMS

0003458914

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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 LIMS

0003458914

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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 LIMS

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003459712

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17-July-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. : 29 June 2023
LR Report: **CA10213-JUN23**
Reference: Wk#9 - 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#9	6: CV5-DMS-HC T-84 Wk#9
Sample Date & Time			29-Jun-23	29-Jun-23
HumCell Leachate Vol [mL]	30-Jun-23	16:33	965	969
pH [No unit]	30-Jun-23	11:20	6.72	6.55
Alkalinity [mg/L as CaCO3]	30-Jun-23	11:20	2	< 2
Conductivity [uS/cm]	30-Jun-23	11:20	4	5
Acidity [mg/L as CaCO3]	30-Jun-23	11:20	2	< 2
F [mg/L]	06-Jul-23	09:12	< 0.06	< 0.06
SO4 [mg/L]	11-Jul-23	17:19	< 2	< 2
Cl [mg/L]	11-Jul-23	17:19	< 1	< 1
NO2 [as N mg/L]	06-Jul-23	14:12	< 0.03	< 0.03
NO3 [as N mg/L]	06-Jul-23	14:12	< 0.06	< 0.06
Br [mg/L]	06-Jul-23	14:12	< 0.3	< 0.3
Tot.Reactive P [mg/L]	05-Jul-23	09:08	< 0.03	< 0.03
Hg [mg/L]	12-Jul-23	13:32	< 0.00001	0.00001
Ag [mg/L]	12-Jul-23	13:32	< 0.00005	< 0.00005
Al [mg/L]	12-Jul-23	13:32	0.034	0.034
As [mg/L]	12-Jul-23	13:32	0.0221	0.0093
Ba [mg/L]	12-Jul-23	13:32	0.00009	0.00011
Be [mg/L]	12-Jul-23	13:32	0.000008	0.000007
B [mg/L]	12-Jul-23	13:32	< 0.002	< 0.002
Bi [mg/L]	12-Jul-23	13:32	0.00004	0.00004
Ca [mg/L]	12-Jul-23	13:32	0.53	0.49
Cd [mg/L]	12-Jul-23	13:32	0.000005	0.000003
Co [mg/L]	12-Jul-23	13:32	0.000008	0.000008
Cr [mg/L]	12-Jul-23	13:32	< 0.00008	0.00010
Cu [mg/L]	12-Jul-23	13:32	< 0.0002	< 0.0002

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LR Report : **CA10213-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#9	6: CV5-DMS-HC T-84 Wk#9
Fe [mg/L]	12-Jul-23	13:32	< 0.007	< 0.007
K [mg/L]	12-Jul-23	13:32	0.207	0.207
Li [mg/L]	12-Jul-23	13:32	0.0029	0.0029
Mg [mg/L]	12-Jul-23	13:32	0.026	0.027
Mn [mg/L]	12-Jul-23	13:32	0.00204	0.00233
Mo [mg/L]	12-Jul-23	13:32	0.00013	0.00011
Na [mg/L]	12-Jul-23	13:32	0.09	0.09
Ni [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Pb [mg/L]	12-Jul-23	13:32	< 0.00009	< 0.00009
Sb [mg/L]	12-Jul-23	13:32	0.0041	0.0030
Se [mg/L]	12-Jul-23	13:32	< 0.00004	< 0.00004
Sn [mg/L]	12-Jul-23	13:32	< 0.00006	< 0.00006
Sr [mg/L]	12-Jul-23	13:32	0.00145	0.00137
Ti [mg/L]	12-Jul-23	13:32	< 0.00007	< 0.00007
Tl [mg/L]	12-Jul-23	13:32	0.000021	0.000017
U [mg/L]	12-Jul-23	13:32	0.003097	0.003379
V [mg/L]	12-Jul-23	13:32	0.00004	0.00005
W [mg/L]	12-Jul-23	13:32	0.00008	0.00008
Y [mg/L]	12-Jul-23	13:32	< 0.00002	< 0.00002
Zn [mg/L]	12-Jul-23	13:32	< 0.002	< 0.002
Au (tot) [mg/L]	14-Jul-23	16:59	< 0.00001	< 0.00001
Ce (tot) [mg/L]	12-Jul-23	13:32	< 0.00001	< 0.00001
Cs (tot) [mg/L]	12-Jul-23	13:32	0.0018	0.0019
Dy (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Er (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Eu (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Ga (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Gd (tot) [mg/L]	12-Jul-23	13:32	< 0.00001	< 0.00001
Ge (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Hf (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Ho (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
In (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Ir (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
La (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Lu (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Nb (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Nd (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Os (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Pd (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Pr (tot) [mg/L]	12-Jul-23	13:32	< 0.0001	< 0.0001
Pt (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Rb (tot) [mg/L]	12-Jul-23	13:32	0.0109	0.0115

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0003402314

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LR Report : **CA10213-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-DMS-HC T-83 Wk#9	6: CV5-DMS-HC T-84 Wk#9
Re (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Rh (tot) [mg/L]	14-Jul-23	17:01	< 0.00001	< 0.00001
Sc (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Sm (tot) [mg/L]	12-Jul-23	13:33	< 0.0001	< 0.0001
Ta (tot) [mg/L]	12-Jul-23	13:33	< 0.0001	< 0.0001
Tb (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Te (tot) [mg/L]	12-Jul-23	13:33	< 0.0001	< 0.0001
Th (tot) [mg/L]	12-Jul-23	13:33	< 0.0001	< 0.0001
Tm (tot) [mg/L]	14-Jul-23	16:59	< 0.0001	< 0.0001
Yb (tot) [mg/L]	12-Jul-23	13:33	< 0.0001	< 0.0001

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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19-July-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. : 29 June 2023
LR Report: **CA10214-JUN23**
Reference: Wk#9 - 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#9	6: CV5-WR-HCT-5 Wk#9	7: CV5-WR-HCT-5 (DUP) Wk#9	8: CV5-WR-HCT-14 Wk#9	9: CV5-WR-HCT-22 Wk#9	10: CV5-WR-HCT-33 Wk#9
Sample Date & Time			29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23
HumCell Leachate Vol [mL]	30-Jun-23	16:34	927	885	956	939	927	984
pH [No unit]	30-Jun-23	11:47	7.05	7.46	7.18	8.84	7.12	7.33
Alkalinity [mg/L as CaCO3]	30-Jun-23	11:47	4	6	5	14	4	9
Conductivity [uS/cm]	30-Jun-23	11:47	38	31	23	39	17	26
Acidity [mg/L as CaCO3]	30-Jun-23	11:47	5	< 2	< 2	< 2	< 2	< 2
F [mg/L]	14-Jul-23	09:34	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	11-Jul-23	17:20	10	6	4	4	3	2
Cl [mg/L]	11-Jul-23	17:20	1	< 1	< 1	< 1	< 1	< 1
NO2 [as N mg/L]	06-Jul-23	14:13	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
NO3 [as N mg/L]	06-Jul-23	14:13	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Br [mg/L]	06-Jul-23	14:13	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Tot.Reactive P [mg/L]	05-Jul-23	09:08	< 0.03	0.08	< 0.03	< 0.03	0.04	< 0.03
Hg [mg/L]	12-Jul-23	13:33	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	12-Jul-23	13:33	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	12-Jul-23	13:33	0.041	0.028	0.040	0.127	0.039	0.020
As [mg/L]	18-Jul-23	15:50	0.0066	0.521	0.281	0.0801	0.283	0.0073
Ba [mg/L]	12-Jul-23	13:33	0.00033	0.00037	0.00026	0.00016	0.00013	0.00015
Be [mg/L]	12-Jul-23	13:33	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	12-Jul-23	13:33	0.008	0.007	0.006	0.003	0.006	0.003
Bi [mg/L]	12-Jul-23	13:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	12-Jul-23	13:33	4.43	3.85	2.92	6.29	2.02	3.07
Cd [mg/L]	12-Jul-23	13:33	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	12-Jul-23	13:33	0.000086	0.000189	0.000231	0.000060	0.000143	0.000034
Cr [mg/L]	12-Jul-23	13:33	0.00010	0.00015	0.00009	< 0.00008	0.00017	< 0.00008
Cu [mg/L]	12-Jul-23	13:33	< 0.0002	< 0.0002	0.0014	0.0002	< 0.0002	< 0.0002
Fe [mg/L]	12-Jul-23	13:33	0.007	< 0.007	< 0.007	< 0.007	0.010	< 0.007
K [mg/L]	12-Jul-23	13:33	0.581	0.287	0.217	0.088	0.112	0.178
Li [mg/L]	12-Jul-23	13:33	0.0228	0.0362	0.0306	0.0070	0.0141	0.0125
Mg [mg/L]	12-Jul-23	13:33	0.639	0.628	0.433	0.416	0.302	0.276
Mn [mg/L]	12-Jul-23	13:33	0.00203	0.00272	0.00251	0.00477	0.00055	0.00531
Mo [mg/L]	12-Jul-23	13:33	0.00014	0.00006	0.00031	0.00032	0.00046	0.00018
Na [mg/L]	12-Jul-23	13:33	0.80	0.31	0.29	0.70	0.73	0.54
Ni [mg/L]	12-Jul-23	13:33	0.0002	0.0017	0.0012	0.0002	0.0005	< 0.0001

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LR Report : **CA10214-JUN23**

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: CV5-WR-HCT-2 Wk#9	6: CV5-WR-HCT-5 Wk#9	7: CV5-WR-HCT-5 (DUP) Wk#9	8: CV5-WR-HCT-14 Wk#9	9: CV5-WR-HCT-22 Wk#9	10: CV5-WR-HCT-33 Wk#9
Pb [mg/L]	12-Jul-23	13:34	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	18-Jul-23	15:50	0.0055	0.134	0.0746	0.0148	0.0174	0.0068
Se [mg/L]	12-Jul-23	13:34	0.00026	0.00013	0.00008	0.00023	0.00010	0.00028
Sn [mg/L]	12-Jul-23	13:34	< 0.00006	< 0.00006	0.00009	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	12-Jul-23	13:34	0.01979	0.01302	0.01049	0.00816	0.00766	0.00454
Ti [mg/L]	12-Jul-23	13:34	0.00030	0.00026	0.00020	0.00036	0.00052	0.00018
Tl [mg/L]	12-Jul-23	13:34	< 0.000005	0.000006	0.000007	< 0.000005	0.000007	< 0.000005
U [mg/L]	12-Jul-23	13:34	0.000108	0.000094	0.000051	0.00129	0.000714	0.00152
V [mg/L]	12-Jul-23	13:34	0.00045	0.00102	0.00082	0.00470	0.00178	0.00072
W [mg/L]	12-Jul-23	13:34	0.00018	0.00023	0.00045	0.00009	0.00016	0.00020
Y [mg/L]	12-Jul-23	13:34	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	12-Jul-23	13:34	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	14-Jul-23	17:02	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ce (tot) [mg/L]	12-Jul-23	13:34	0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001
Cs (tot) [mg/L]	12-Jul-23	13:34	0.0096	0.0159	0.0138	0.0025	0.0059	0.0056
Dy (tot) [mg/L]	12-Jul-23	13:34	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Er (tot) [mg/L]	12-Jul-23	13:34	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Eu (tot) [mg/L]	12-Jul-23	13:34	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ga (tot) [mg/L]	14-Jul-23	17:02	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Gd (tot) [mg/L]	12-Jul-23	13:34	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ge (tot) [mg/L]	14-Jul-23	17:02	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Hf (tot) [mg/L]	12-Jul-23	13:34	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ho (tot) [mg/L]	12-Jul-23	13:34	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
In (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ir (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
La (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lu (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nb (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nd (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Os (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pd (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pr (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pt (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rb (tot) [mg/L]	12-Jul-23	13:35	0.0077	0.0071	0.0057	0.0008	0.0025	0.0013
Re (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Rh (tot) [mg/L]	14-Jul-23	17:01	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sc (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Sm (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Ta (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tb (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Te (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Th (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tm (tot) [mg/L]	14-Jul-23	17:01	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Yb (tot) [mg/L]	12-Jul-23	13:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	11: CV5-WR-HCT-36 Wk#9	12: CV5-WR-HCT-39 Wk#9	13: CV5-WR-HCT-50 Wk#9	14: CV5-WR-HCT-56 Wk#9	15: CV5-WR-HCT-59 Wk#9	16: CV5-WR-HCT-62 Wk#9	17: CV5-WR-HCT-64 Wk#9	18: CV5-WR-HCT-69 Wk#9
Sample Date & Time	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23	29-Jun-23
HumCell Leachate Vol [mL]	961	939	970	996	1006	983	998	983
pH [No unit]	7.57	6.94	7.51	8.00	7.02	7.39	7.19	7.57

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LR Report : **CA10214-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#9	12: CV5-WR-HCT-39 Wk#9	13: CV5-WR-HCT-50 Wk#9	14: CV5-WR-HCT-56 Wk#9	15: CV5-WR-HCT-59 Wk#9	16: CV5-WR-HCT-62 Wk#9	17: CV5-WR-HCT-64 Wk#9	18: CV5-WR-HCT-69 Wk#9
Alkalinity [mg/L as CaCO3]	8	3	16	10	4	12	8	13
Conductivity [uS/cm]	27	29	62	30	23	32	17	26
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
F [mg/L]	< 0.06	0.16	0.39	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
SO4 [mg/L]	2	8	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]	1.37	< 0.03	< 0.03	< 0.03	0.18	0.96	< 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]	0.003	0.034	0.095	0.041	0.007	0.001	0.036	0.184
As [mg/L]	4.17	0.0391	0.0260	0.0236	0.886	3.34	0.0354	0.0217
Ba [mg/L]	0.00095	0.00033	0.00080	0.00060	0.00026	0.00140	0.00015	0.00022
Be [mg/L]	< 0.000007	< 0.000007	0.000016	< 0.000007	< 0.000007	< 0.000007	0.000013	0.000189
B [mg/L]	0.025	0.005	0.003	0.006	0.003	0.006	0.003	0.004
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00086
Ca [mg/L]	3.57	3.40	9.72	3.95	2.36	4.48	2.60	4.53
Cd [mg/L]	< 0.000003	0.000005	0.000030	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000316	0.000185	0.00166	0.000085	0.000523	0.000401	0.000031	0.000029
Cr [mg/L]	0.00025	< 0.00008	0.00010	0.00012	0.00014	< 0.00008	0.00008	0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0007	< 0.0002	< 0.0002	< 0.0002	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	0.085	0.495	0.977	0.939	0.155	0.104	0.866	0.294
Li [mg/L]	0.0058	0.0249	0.0225	0.0133	0.0051	0.0012	0.0105	0.0095
Mg [mg/L]	1.01	0.491	0.507	0.444	0.639	1.43	0.168	0.161
Mn [mg/L]	0.00289	0.00218	0.00983	0.01489	0.00134	0.00393	0.00644	0.00399
Mo [mg/L]	0.00226	0.00042	0.00083	0.00028	0.00013	0.00054	0.00016	0.00024
Na [mg/L]	0.14	0.55	0.23	0.38	0.26	0.17	0.23	0.54
Ni [mg/L]	0.0183	0.0004	0.0017	0.0002	0.0046	0.0314	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]	0.957	0.0333	0.113	< 0.0009	0.0161	2.46	0.0056	0.0062
Se [mg/L]	0.00007	0.00016	0.00095	0.00008	0.00005	0.00026	< 0.00004	0.00017
Sn [mg/L]	0.00008	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00009
Sr [mg/L]	0.00713	0.01321	0.01233	0.00653	0.01449	0.00538	0.00537	0.01066
Ti [mg/L]	0.00012	0.00018	0.00016	0.00025	0.00013	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000007	0.000008	0.000032	< 0.000005	< 0.000005	< 0.000005	0.000090	0.000014
U [mg/L]	0.00552	0.000353	0.00377	0.00123	0.000117	0.000161	0.00420	0.0157
V [mg/L]	0.00052	0.00055	0.00043	0.00094	0.00094	0.00047	0.00012	0.00026
W [mg/L]	0.00022	0.00015	0.00012	0.00048	0.00082	0.00033	0.00036	0.00026
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	0.003	< 0.002	< 0.002	< 0.002
Au (tot) [mg/L]	< 0.00001	< 0.00001	0.00009	< 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]	0.0146	0.0040	0.0731	0.0294	0.0136	0.0046	0.0208	0.0049
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	0.0005
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

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LR Report : **CA10214-JUN23**

Analysis	11: CV5-WR-HCT-36 Wk#9	12: CV5-WR-HCT-39 Wk#9	13: CV5-WR-HCT-50 Wk#9	14: CV5-WR-HCT-56 Wk#9	15: CV5-WR-HCT-59 Wk#9	16: CV5-WR-HCT-62 Wk#9	17: CV5-WR-HCT-64 Wk#9	18: CV5-WR-HCT-69 Wk#9
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]	0.0028	0.0041	0.0291	0.0030	0.0049	0.0023	0.0503	0.0122
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#9	20: CV5-ORE-HCT-76 Wk#9
Sample Date & Time	29-Jun-23	29-Jun-23
HumCell Leachate Vol [mL]	1001	986
pH [No unit]	7.03	7.33
Alkalinity [mg/L as CaCO3]	5	10
Conductivity [uS/cm]	11	24
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]	0.037	0.057
As [mg/L]	0.0447	0.0147
Ba [mg/L]	0.00009	0.00012
Be [mg/L]	< 0.000007	0.000058
B [mg/L]	0.003	0.005
Bi [mg/L]	< 0.00001	0.00015
Ca [mg/L]	1.64	3.63
Cd [mg/L]	0.000003	< 0.000003
Co [mg/L]	0.000022	0.000018

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LR Report : **CA10214-JUN23**

Analysis	19: CV5-ORE-HCT-7 4 Wk#9	20: CV5-ORE-HCT-7 6 Wk#9
Cr [mg/L]	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007
K [mg/L]	0.398	0.977
Li [mg/L]	0.0309	0.0245
Mg [mg/L]	0.048	0.211
Mn [mg/L]	0.04016	0.00344
Mo [mg/L]	0.00006	0.00017
Na [mg/L]	0.36	0.38
Ni [mg/L]	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009
Sb [mg/L]	0.0366	0.0042
Se [mg/L]	< 0.00004	< 0.00004
Sn [mg/L]	0.00006	< 0.00006
Sr [mg/L]	0.00291	0.01029
Ti [mg/L]	< 0.00007	< 0.00007
Tl [mg/L]	0.000060	0.000050
U [mg/L]	0.00631	0.00446
V [mg/L]	0.00005	0.00014
W [mg/L]	0.00015	0.00070
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]	0.0238	0.0137
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]	0.0400	0.0249
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

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LR Report : **CA10214-JUN23**

Analysis	19: CV5-ORE-HCT-74 Wk#9	20: CV5-ORE-HCT-76 Wk#9
Tm (tot) [mg/L]	< 0.0001	< 0.0001
Yb (tot) [mg/L]	< 0.0001	< 0.0001

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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

22-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: **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	9: CV5-WR-HCT-22 Wk#26
Sample Date & Time			26-Oct-23	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	1008
pH [No unit]	09-Nov-23	09:57	6.60	6.72	6.72	7.45	6.77
Alkalinity [mg/L as CaCO3]	09-Nov-23	09:57	2	3	2	12	3
Conductivity [uS/cm]	09-Nov-23	09:57	27	17	14	27	9
Acidity [mg/L as CaCO3]	09-Nov-23	09:57	3	< 2	< 2	< 2	< 2
Tot.Reactive P [mg/L]	03-Nov-23	08:01	< 0.03	0.09	< 0.03	< 0.03	< 0.03
SO4 [mg/L]	17-Nov-23	11:27	8	4	3	< 2	< 2
Ag [mg/L]	03-Nov-23	12:36	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	03-Nov-23	12:36	0.025	0.023	0.024	0.081	0.023
As [mg/L]	22-Nov-23	10:56	0.0041	0.207	0.153	0.0377	0.150
Ba [mg/L]	03-Nov-23	12:36	0.00020	0.00019	0.00016	0.00024	0.00010
Be [mg/L]	03-Nov-23	12:36	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
B [mg/L]	03-Nov-23	12:36	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	03-Nov-23	12:36	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	03-Nov-23	12:36	3.64	2.80	2.17	5.15	1.45
Cd [mg/L]	03-Nov-23	12:36	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	03-Nov-23	12:36	0.000082	0.000151	0.000160	0.000044	0.000140
Cr [mg/L]	03-Nov-23	12:36	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	03-Nov-23	12:36	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	03-Nov-23	12:36	< 0.007	< 0.007	< 0.007	0.008	< 0.007
K [mg/L]	03-Nov-23	12:36	0.265	0.135	0.106	0.058	0.058
Li [mg/L]	03-Nov-23	12:36	0.0089	0.0094	0.0081	0.0037	0.0055
Mg [mg/L]	03-Nov-23	12:36	0.388	0.235	0.199	0.225	0.197
Mn [mg/L]	03-Nov-23	12:36	0.00114	0.00145	0.00142	0.00558	0.00050
Mo [mg/L]	03-Nov-23	12:36	0.00013	0.00009	0.00005	0.00038	0.00035
Na [mg/L]	03-Nov-23	12:36	0.20	0.11	0.10	0.27	0.15
Ni [mg/L]	03-Nov-23	12:36	0.0003	0.0011	0.0007	0.0001	0.0004
Pb [mg/L]	03-Nov-23	12:36	0.00042	< 0.00009	< 0.00009	< 0.00009	< 0.00009

OnLine LIMS

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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	9: CV5-WR-HCT-22 Wk#26
Sb [mg/L]	22-Nov-23	10:57	0.0030	0.0407	0.0268	0.0052	0.0062
Se [mg/L]	03-Nov-23	12:36	0.00022	0.00008	0.00008	0.00017	0.00007
Sn [mg/L]	03-Nov-23	12:36	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	03-Nov-23	12:36	0.0117	0.00628	0.00566	0.00462	0.00477
Ti [mg/L]	03-Nov-23	12:36	0.00011	0.00011	0.00007	0.00016	0.00012
Tl [mg/L]	03-Nov-23	12:36	< 0.000005	< 0.000005	0.000005	< 0.000005	0.000005
U [mg/L]	22-Nov-23	10:57	0.000918	0.000527	0.000042	0.000237	0.000163
V [mg/L]	03-Nov-23	12:36	0.00030	0.00048	0.00044	0.00233	0.00111
W [mg/L]	03-Nov-23	12:36	0.00005	0.00006	0.00006	0.00003	0.00004
Y [mg/L]	03-Nov-23	12:36	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	03-Nov-23	12:36	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	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	16: CV5-WR-HCT-62 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]	961	977	969	1006	972	1008	970
pH [No unit]	7.22	7.20	6.47	6.44	7.10	6.77	7.30
Alkalinity [mg/L as CaCO3]	7	6	< 2	< 2	6	2	8
Conductivity [uS/cm]	15	18	18	21	26	13	25
Acidity [mg/L as CaCO3]	< 2	< 2	< 2	6	< 2	3	< 2
Tot.Reactive P [mg/L]	< 0.03	0.42	< 0.03	< 0.03	< 0.03	0.06	0.20
SO4 [mg/L]	< 2	< 2	5	5	5	3	2
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.063	0.005	0.022	0.009	0.036	0.005	0.003
As [mg/L]	0.0046	1.21	0.0238	0.0035	0.0168	0.341	0.869
Ba [mg/L]	0.00019	0.00062	0.00023	0.00021	0.00048	0.00028	0.00052
Be [mg/L]	< 0.000007	< 0.000007	0.000008	0.000008	< 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]	2.81	2.70	2.49	3.62	4.36	1.40	3.20
Cd [mg/L]	0.000003	< 0.000003	0.000009	0.000021	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000037	0.000243	0.000216	0.00104	0.000063	0.000488	0.000380
Cr [mg/L]	< 0.00008	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.009	0.011	< 0.007	< 0.007	0.007	0.007	< 0.007
K [mg/L]	0.077	0.073	0.233	0.129	0.316	0.070	0.045
Li [mg/L]	0.0034	0.0020	0.0090	0.0051	0.0040	0.0019	0.0005
Mg [mg/L]	0.117	0.512	0.324	0.079	0.328	0.301	0.792
Mn [mg/L]	0.00884	0.00275	0.00214	0.00353	0.00786	0.00155	0.00265
Mo [mg/L]	0.00012	0.00012	0.00016	0.00014	0.00014	0.00208	0.00012
Na [mg/L]	0.17	0.11	0.16	0.09	0.16	0.17	0.09
Ni [mg/L]	< 0.0001	0.0081	0.0004	0.0008	0.0002	0.0044	0.0080

OnLine LIMS

00035410001

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LR Report : **CA10221-OCT23**

Analysis	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	16: CV5-WR-HCT-62 Wk#26
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00023	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0015	0.413	0.0131	0.0135	< 0.0009	0.0057	0.633
Se [mg/L]	0.00017	0.00010	0.00011	0.00040	0.00012	0.00011	0.00014
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.00258	0.00351	0.00838	0.00335	0.00535	0.00701	0.00264
Ti [mg/L]	0.00017	< 0.00007	0.00018	0.00010	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000005	0.000006	0.000008	0.000010	< 0.000005	0.000005	< 0.000005
U [mg/L]	0.000340	0.00302	0.000484	0.00163	0.000451	0.000024	0.000075
V [mg/L]	0.00061	0.00016	0.00033	0.00004	0.00043	0.00039	0.00022
W [mg/L]	0.00005	0.00008	0.00004	< 0.00002	0.00007	0.00016	0.00009
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	0.003	< 0.002

Analysis	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
HumCell Leachate Vol [mL]	1001	1007	1014	997
pH [No unit]	7.06	7.34	6.84	7.11
Alkalinity [mg/L as CaCO3]	7	9	3	8
Conductivity [uS/cm]	14	20	8	16
Acidity [mg/L as CaCO3]	< 2	< 2	5	< 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]	0.025	0.109	0.026	0.031
As [mg/L]	0.0097	0.0063	0.0123	0.0029
Ba [mg/L]	0.00025	0.00017	0.00017	0.00026
Be [mg/L]	0.000015	0.000083	0.000007	0.000057
B [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Bi [mg/L]	< 0.00001	0.00034	< 0.00001	0.00010
Ca [mg/L]	1.97	2.91	0.92	2.04
Cd [mg/L]	< 0.000003	0.000003	< 0.000003	0.000003
Co [mg/L]	0.000018	0.000017	0.000013	0.000053
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]	0.288	0.119	0.159	0.340
Li [mg/L]	0.0023	0.0025	0.0075	0.0066
Mg [mg/L]	0.081	0.051	0.022	0.108
Mn [mg/L]	0.00509	0.00279	0.0423	0.00198
Mo [mg/L]	< 0.00004	0.00039	0.00025	0.00016
Na [mg/L]	0.18	0.20	0.20	0.23

OnLine LIMS

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LR Report : **CA10221-OCT23**

Analysis	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
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00012
Sb [mg/L]	0.0017	0.0020	0.0119	0.0011
Se [mg/L]	0.00014	0.00010	0.00011	0.00011
Sn [mg/L]	< 0.00006	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	0.00329	0.00550	0.00152	0.00520
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000036	0.000009	0.000035	0.000043
U [mg/L]	0.00108	0.00476	0.00128	0.00347
V [mg/L]	< 0.00001	0.00009	< 0.00001	0.00001
W [mg/L]	0.00006	0.00007	0.00005	0.00007
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003541001

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Patriot Tailings -Short- (9.5mm fraction size)

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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

0003519643

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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

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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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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-1 4 Wk#39	9: CV5-WR-HCT-2 2 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-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
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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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P.O. Box 4300 - 185 Concession St.
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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

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Lakefield - Ontario - KOL 2HO
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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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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

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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

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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

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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

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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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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

<original signed by>

Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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-1 4 Wk#18	9: CV5-WR-HCT-2 2 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

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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

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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-33 Wk#18	11: CV5-WR-HCT-36 Wk#18	12: CV5-WR-HCT-39 Wk#18	13: CV5-WR-HCT-50 Wk#18	14: CV5-WR-HCT-56 Wk#18	15: CV5-WR-HCT-59 Wk#18	16: CV5-WR-HCT-62 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

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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

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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

OnLine LIMS

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

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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

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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

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Lisa Thompson
Project Specialist Assistant,
Environment, Health & Safety

OnLine LIMS

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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

<original signed by>

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

OnLine LIMS

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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**

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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

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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

<original signed by>

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

OnLine LIMS

0003314526

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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

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0003341259

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-HCT-83	6: CV5-DMS-HCT-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.

<original signed by>

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

OnLine LIMS

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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

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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

<original signed by>

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

OnLine LIMS

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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

0003267929

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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

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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.

<original signed by>

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

OnLine LIMS

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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

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SGS Canada Inc.
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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

<original signed by>

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

OnLine LIMS

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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**

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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.

<original signed by>

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

OnLine LIMS

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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

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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

<original signed by>

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

OnLine LIMS

0003225928

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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

00031756O8

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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

00031756O8

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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

<original signed by>

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

OnLine LIMS

00031756O8

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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	

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00031756O8

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P.O. Box 4300 - 185 Concession St.
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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

0003229333

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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

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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

<original signed by>

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

OnLine LIMS

0003229333

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16-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: **CA11021-NOV22**

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: 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
Hg [ug/g]	09-Jan-23	10:20	09-Jan-23	16:03	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Ag [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	21000	9900	6700	4500	7100	6700	8300
As [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	2.3	33	4.0	12	150	1.2	3.4
B [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	3	12	2	3	7	2	6
Ba [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	230	46	34	6.2	20	6.7	11
Be [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	0.09	0.43	0.07	0.20	0.22	0.05	0.15
Bi [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	0.17	0.19	< 0.09	0.11	0.29	< 0.09	< 0.09
Ca [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	13000	3800	9900	3500	4100	24000	11000
Cd [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	0.03	0.06	0.04	< 0.02	0.07	0.04	0.02
Co [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	28	22	13	6.0	20	9.1	9.3
Cr [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	160	92	30	58	82	44	37
Cu [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	96	66	89	16	69	65	73
Fe [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	33000	25000	16000	5700	15000	9600	11000
K [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	10000	1700	800	320	790	170	450
Li [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	280	300	73	80	260	49	57
Mg [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	10000	6800	3100	3700	5900	2600	4600
Mn [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	480	240	260	92	160	340	190
Mo [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	0.2	0.3	0.2	< 0.1	0.1	< 0.1	< 0.1
Na [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	1700	570	810	800	410	860	1000
Ni [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	110	71	14	10	89	25	29
P [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	120	170	200	66	150	150	110
Pb [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	0.96	5.5	0.19	0.48	1.3	0.18	0.53
Sb [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	< 0.8	1.3	< 0.8	< 0.8	12	< 0.8	< 0.8
Se [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	< 0.7	1.0	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	17	6.4	6.6	4.1	5.0	17	10
Ti [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	1700	380	240	100	170	440	240
Tl [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	0.22	0.48	0.04	0.06	0.56	< 0.02	0.07
U [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	0.023	0.36	0.052	0.20	0.068	0.048	0.077
V [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	92	44	53	13	25	29	30
Zn [µg/g]	11-Jan-23	18:58	13-Jan-23	12:08	37	40	20	6.1	35	11	11

OnLine LIMS

0003195441

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LR Report : **CA11021-NOV22**

Analysis	12: 8	13: 9	14: 10	15: 11	16: 12	17: 13	18: 14	19: 15	20: 16	21: 17	22: 18	23: 19	24: 20
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hg [ug/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.84	0.33	< 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	2.2	1.1	< 0.5	< 0.5	< 0.5
Al [µg/g]	13000	17000	7100	8000	16000	12000	6500	8900	8500	8200	9900	5500	17000
As [µg/g]	0.6	1.2	12	11	3.4	15	11	3.0	7.7	26	25	2.6	1.5
B [µg/g]	7	3	3	69	21	25	2	32	5	3	5	2	2
Ba [µg/g]	10	6.0	9.8	20	15	14	7.3	16	73	58	19	9.0	110
Be [µg/g]	0.07	0.06	0.15	0.37	0.10	2.3	0.42	0.20	0.20	0.14	0.67	0.04	0.19
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.09	0.10	2.5	0.17	0.27	< 0.09	0.39
Ca [µg/g]	11000	13000	6700	12000	28000	8700	6200	18000	5900	8400	9600	7700	11000
Cd [µg/g]	0.03	0.02	0.07	0.04	0.11	0.02	0.02	0.05	7.5	2.4	0.09	0.04	0.14
Co [µg/g]	10	6.3	15	12	20	14	14	12	48	59	19	20	21
Cr [µg/g]	48	29	17	61	47	61	60	50	68	69	63	55	56
Cu [µg/g]	82	59	130	81	180	59	61	89	150	170	110	67	85
Fe [µg/g]	10000	6100	20000	12000	15000	16000	14000	11000	39000	48000	15000	7200	61000
K [µg/g]	320	73	320	470	530	470	260	510	2200	2400	590	210	2500
Li [µg/g]	71	8	60	130	28	220	71	74	250	180	180	32	93
Mg [µg/g]	3600	2200	3900	4100	3400	12000	5400	4700	4900	4500	5000	1800	4000
Mn [µg/g]	160	110	180	200	300	230	230	260	440	410	210	150	250
Mo [µg/g]	< 0.1	< 0.1	0.2	0.2	0.2	< 0.1	< 0.1	< 0.1	0.4	0.2	0.1	< 0.1	0.3
Na [µg/g]	1200	1600	840	860	1600	590	830	800	890	750	690	730	1200
Ni [µg/g]	37	23	9.5	36	63	31	35	39	170	170	61	77	56
P [µg/g]	98	82	310	92	160	150	170	100	370	490	100	87	250
Pb [µg/g]	0.20	0.14	0.79	0.75	0.96	1.1	1.1	0.95	393	71	5.7	2.8	2.7
Sb [µg/g]	< 0.8	< 0.8	1.3	2.3	< 0.8	0.8	1.0	< 0.8	0.8	2.6	3.5	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	21	31	4.1	8.9	24	8.4	4.0	11	10	13	8.7	10	43
Ti [µg/g]	340	320	260	330	690	370	310	350	650	970	300	410	480
Tl [µg/g]	0.05	< 0.02	0.05	0.12	0.07	0.09	0.04	0.06	0.80	0.45	0.21	0.03	0.27
U [µg/g]	0.020	0.013	0.092	0.031	0.051	0.099	0.060	0.14	0.30	0.12	0.095	0.011	0.18
V [µg/g]	28	17	37	28	30	61	51	33	49	55	34	24	29
Zn [µg/g]	11	7.4	24	13	23	15	16	25	3100	750	33	18	44

Analysis	25: 21	26: 22	27: 23	28: 24	29: 25	30: 26	31: 27	32: 31	33: 32	34: 33	35: 34	36: 35	37: 36
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	< 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	< 0.5
Al [µg/g]	8700	9200	7800	7900	6300	8300	7800	6800	7300	6500	15000	12000	5900
As [µg/g]	15	46	4.0	4.0	16	1.3	8.3	43	2.6	5.9	49	3.8	440
B [µg/g]	3	2	4	2	30	37	10	14	4	3	20	4	17
Ba [µg/g]	62	7.4	37	120	69	20	17	71	18	27	150	160	25
Be [µg/g]	0.09	0.58	0.17	0.10	0.11	0.09	0.32	0.46	0.09	0.09	1.9	0.14	1.1
Bi [µg/g]	0.10	< 0.09	1.3	< 0.09	0.11	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.10	< 0.09	0.35
Ca [µg/g]	14000	4700	4900	5600	2900	9100	9400	3100	9400	8800	5500	4400	6300
Cd [µg/g]	< 0.02	0.30	0.15	< 0.02	< 0.02	0.02	0.07	0.04	0.04	0.03	0.11	< 0.02	0.04
Co [µg/g]	8.8	11	26	7.6	11	9.4	17	6.1	7.9	8.1	9.2	7.4	35
Cr [µg/g]	63	170	58	31	230	52	76	17	25	26	32	52	600
Cu [µg/g]	52	32	130	27	27	62	58	8.8	71	120	18	16	32

OnLine LIMS

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LR Report : **CA11021-NOV22**

Analysis	25: 21	26: 22	27: 23	28: 24	29: 25	30: 26	31: 27	32: 31	33: 32	34: 33	35: 34	36: 35	37: 36
Fe [µg/g]	10000	14000	66000	15000	8800	11000	13000	9500	15000	15000	23000	18000	11000
K [µg/g]	930	230	1000	1600	1600	400	550	2800	560	680	5400	5800	770
Li [µg/g]	28	270	140	46	61	130	50	300	35	90	650	290	120
Mg [µg/g]	4300	9300	4600	3900	6100	4600	5100	2500	3800	3000	4200	4700	14000
Mn [µg/g]	260	210	230	160	68	160	290	180	200	190	420	280	140
Mo [µg/g]	0.2	0.2	0.3	0.2	0.3	< 0.1	0.1	0.3	0.1	0.2	0.5	0.4	< 0.1
Na [µg/g]	940	520	630	880	270	720	770	410	1000	780	800	840	57
Ni [µg/g]	29	44	81	10	110	33	52	7.7	6.6	7.4	16	14	360
P [µg/g]	140	470	310	400	53	77	170	310	200	200	260	200	23
Pb [µg/g]	0.73	8.6	1.4	1.7	1.1	0.92	3.6	1.4	0.20	0.27	7.4	2.1	0.49
Sb [µg/g]	< 0.8	1.0	1.2	< 0.8	< 0.8	< 0.8	1.1	< 0.8	< 0.8	< 0.8	1.2	< 0.8	62
Se [µg/g]	< 0.7	< 0.7	1.0	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	8	< 5	< 5
Sr [µg/g]	16	5.7	6.7	14	7.6	7.4	7.0	5.9	6.2	5.0	11	8.7	4.0
Ti [µg/g]	240	290	430	310	160	250	340	370	250	240	640	620	88
Tl [µg/g]	0.03	0.05	0.33	0.05	0.07	0.06	0.10	1.5	0.05	0.04	5.2	0.21	0.46
U [µg/g]	0.13	0.39	0.41	0.35	0.48	0.018	0.28	0.31	0.061	0.066	0.88	0.65	0.63
V [µg/g]	26	34	39	32	16	25	40	34	57	70	40	33	18
Zn [µg/g]	13	82	82	29	12	13	42	25	18	15	53	32	15

Analysis	38: 37	39: 38	40: 39	41: 40	42: 41	43: 42	44: 43	45: 44	46: 45	47: 46	48: 47	49: 49	50: 50
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	< 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	< 0.5
Al [µg/g]	8100	7700	9600	10000	7000	6600	12000	3800	4900	7100	8600	20000	9500
As [µg/g]	3000	10	42	5.0	4.5	3.4	3.5	3.3	1.8	3.0	4.0	21	100
B [µg/g]	29	6	5	4	6	4	21	3	2	1	1	6	3
Ba [µg/g]	42	8.3	34	49	28	25	64	57	81	130	200	150	45
Be [µg/g]	4.0	2.8	0.93	0.24	0.40	0.21	0.20	0.25	0.06	0.08	0.05	1.0	0.82
Bi [µg/g]	2.8	0.58	0.27	< 0.09	0.12	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.19	0.31	0.81
Ca [µg/g]	16000	1600	3100	6000	1900	2000	4400	3300	3400	4500	770	3900	1600
Cd [µg/g]	0.22	0.05	0.26	0.04	0.05	0.20	0.03	0.03	0.04	0.03	0.22	0.03	0.94
Co [µg/g]	22	4.6	12	11	7.9	8.7	14	4.9	4.9	6.9	9.7	9.7	25
Cr [µg/g]	34	16	50	25	13	14	31	27	38	40	21	18	27
Cu [µg/g]	33	8.4	41	23	20	19	27	26	26	34	24	4.8	160
Fe [µg/g]	15000	15000	17000	19000	9700	15000	22000	5400	8300	12000	17000	25000	19000
K [µg/g]	2200	680	1300	1200	1100	1300	2100	1200	1900	3000	4800	9300	2400
Li [µg/g]	480	330	360	370	150	120	190	130	12	15	72	950	450
Mg [µg/g]	5000	3700	7600	3100	7400	4800	5100	1000	1400	1700	4900	9800	5400
Mn [µg/g]	370	280	260	260	140	170	220	88	110	160	180	500	290
Mo [µg/g]	0.5	0.2	0.5	0.3	0.4	0.4	0.2	0.3	0.3	0.4	0.8	0.4	1.0
Na [µg/g]	220	370	370	490	410	460	590	500	550	540	330	450	270
Ni [µg/g]	64	11	37	22	13	14	23	6.6	8.0	10	15	12	40
P [µg/g]	1300	370	120	250	170	160	250	300	340	280	36	220	84
Pb [µg/g]	3.4	2.2	26	2.7	5.6	18	3.0	2.4	2.3	1.9	3.3	1.5	6.2
Sb [µg/g]	47	1.0	3.7	2.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	12
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	1.0
Sn [µg/g]	26	9	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	< 5
Sr [µg/g]	11	3.9	5.2	8.8	7.7	6.7	12	8.6	10	14	1.6	7.1	6.8

OnLine LIMS

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LR Report : **CA11021-NOV22**

Analysis	38: 37	39: 38	40: 39	41: 40	42: 41	43: 42	44: 43	45: 44	46: 45	47: 46	48: 47	49: 49	50: 50
Ti [µg/g]	410	210	280	310	130	190	330	180	290	410	530	790	290
Tl [µg/g]	4.1	0.69	0.61	0.25	0.07	0.08	0.13	0.09	0.07	0.10	0.13	11	1.4
U [µg/g]	1.1	1.00	1.0	0.55	0.32	0.32	0.47	0.78	0.56	0.65	0.94	0.79	2.0
V [µg/g]	28	29	32	44	19	21	55	27	38	46	26	53	24
Zn [µg/g]	32	20	110	29	20	61	26	9.8	14	18	91	45	430

Analysis	51: 51	52: 52	53: 53	54: 55	55: 56	56: 57	57: 58	58: 59	59: 60	60: 61	61: 62	62: 63	63: 64
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	< 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	< 0.5
Al [µg/g]	5200	9300	9600	3500	10000	4700	7900	7300	8100	12000	4700	1800	2100
As [µg/g]	4.2	4.9	5500	110	13	0.9	390	92	440	160	880	13	14
B [µg/g]	2	4	1	2	16	< 1	12	< 1	8	15	10	8	4
Ba [µg/g]	24	43	180	35	130	120	6.2	5.6	17	0.82	7.9	1.2	2.2
Be [µg/g]	0.41	0.15	0.05	< 0.02	0.11	0.05	0.75	0.05	1.8	0.28	1.3	4.3	1.5
Bi [µg/g]	0.16	< 0.09	0.14	0.12	0.20	0.18	0.22	0.33	0.72	0.21	0.64	20	0.23
Ca [µg/g]	1100	6400	4400	4300	14000	8200	11000	2400	16000	13000	22000	1400	1300
Cd [µg/g]	0.03	0.03	0.05	< 0.02	0.02	0.08	< 0.02	< 0.02	0.05	< 0.02	0.03	0.09	0.09
Co [µg/g]	8.1	8.2	9.4	15	14	12	53	29	57	33	82	0.38	0.39
Cr [µg/g]	14	29	7.2	190	70	48	580	260	900	570	670	6.9	6.6
Cu [µg/g]	18	25	21	33	66	95	23	230	41	22	63	2.5	1.4
Fe [µg/g]	9200	15000	23000	6200	16000	15000	17000	18000	26000	28000	25000	1300	900
K [µg/g]	880	1400	5400	360	3900	1800	480	190	2800	40	390	1100	1700
Li [µg/g]	160	230	150	25	150	90	99	75	130	83	22	8	62
Mg [µg/g]	4100	4100	5200	5600	5700	4200	26000	11000	54000	31000	30000	310	360
Mn [µg/g]	140	370	320	81	380	140	210	110	470	340	540	38	92
Mo [µg/g]	0.4	0.4	0.4	0.4	0.6	0.6	< 0.1	< 0.1	< 0.1	0.8	0.3	0.5	0.5
Na [µg/g]	420	340	510	160	550	410	110	320	76	85	79	840	380
Ni [µg/g]	11	20	7.9	150	43	35	540	190	970	390	930	2.6	3.5
P [µg/g]	200	200	360	60	110	46	150	140	160	32	71	350	460
Pb [µg/g]	5.5	5.0	1.3	0.70	2.0	1.6	1.4	1.3	1.2	0.42	0.57	1.7	1.8
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	14	< 0.8	29	3.7	64	1.3	1.5
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.8	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sr [µg/g]	3.5	7.5	9.1	2.4	9.1	7.8	10	8.7	9.4	8.6	9.9	3.1	4.1
Ti [µg/g]	120	380	500	81	770	200	61	120	72	170	25	6.2	4.7
Tl [µg/g]	0.15	0.10	0.14	0.02	< 0.02	0.29	0.51	0.11	3.2	0.06	0.39	1.0	1.8
U [µg/g]	0.42	0.83	0.39	0.26	0.39	0.65	0.52	0.067	0.61	1.0	0.81	2.1	0.62
V [µg/g]	22	27	40	11	43	27	19	21	25	36	17	< 1	< 1
Zn [µg/g]	14	44	22	6.1	33	25	12	9.7	32	31	16	4.0	2.8

Analysis	64: 65	65: 66	66: 67	67: 69	68: 70	69: 73	70: 74	71: 75	72: 76	73: 77	74: 79	75: 80	76: 82
Sample Date & Time	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	< 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	0.7
Al [µg/g]	1700	1900	1700	2000	1600	1700	1900	1800	2800	2900	1900	2900	3300

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LR Report : **CA11021-NOV22**

Analysis	64: 65	65: 66	66: 67	67: 69	68: 70	69: 73	70: 74	71: 75	72: 76	73: 77	74: 79	75: 80	76: 82
As [µg/g]	6.3	7.4	3.1	7.2	7.1	5.7	17	14	3.8	5.1	8.3	190	5.5
B [µg/g]	2	2	1	6	2	3	4	5	5	6	2	6	6
Ba [µg/g]	1.3	1.7	1.6	2.1	1.5	1.9	0.47	0.89	4.5	1.3	1.5	2.7	2.1
Be [µg/g]	0.82	0.94	0.51	15.5	8.7	0.60	0.83	3.0	5.1	6.8	1.1	4.9	5.0
Bi [µg/g]	2.8	3.4	1.5	7.1	2.5	1.1	1.3	65	3.7	0.64	0.78	4.1	0.56
Ca [µg/g]	620	660	480	2000	1400	360	750	850	1800	2600	650	1500	2400
Cd [µg/g]	0.04	0.07	0.02	0.18	0.26	0.05	0.08	0.06	0.11	0.51	0.05	0.22	0.09
Co [µg/g]	0.12	0.38	0.12	0.36	2.1	0.18	0.10	0.16	0.75	0.28	0.16	1.5	1.1
Cr [µg/g]	2.1	2.5	1.9	2.8	3.3	3.5	2.4	2.5	4.5	6.1	2.9	5.1	4.1
Cu [µg/g]	0.8	1.3	0.7	4.1	92	1.1	0.6	0.9	1.7	1.1	0.4	7.6	4.0
Fe [µg/g]	920	1000	1100	1700	1800	1400	1600	1500	2300	2100	1200	3100	1700
K [µg/g]	1800	1600	1600	500	630	1400	910	840	1000	880	1600	1400	1300
Li [µg/g]	18	27	5	46	24	41	120	98	130	300	57	52	59
Mg [µg/g]	71	110	68	350	220	47	44	77	650	190	130	850	320
Mn [µg/g]	53	46	22	120	74	52	150	96	180	530	71	150	110
Mo [µg/g]	0.5	0.6	0.6	1.0	1.0	1.2	0.8	0.9	1.0	1.6	0.8	1.1	0.8
Na [µg/g]	400	630	520	1100	910	420	570	700	570	490	450	490	750
Ni [µg/g]	0.7	1.1	0.6	0.9	1.2	0.9	0.4	1.1	1.3	1.4	0.6	4.6	1.0
P [µg/g]	210	240	170	580	450	110	300	200	540	1100	210	570	570
Pb [µg/g]	2.1	1.4	0.96	2.0	2.9	1.1	1.4	1.6	2.1	1.2	1.6	3.9	1.9
Sb [µg/g]	1.1	< 0.8	< 0.8	0.9	1.4	< 0.8	4.3	2.9	< 0.8	1.0	< 0.8	2.1	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6	7	< 5	7	10
Sr [µg/g]	2.9	2.5	3.2	3.0	3.2	1.7	2.3	2.8	6.7	5.0	3.6	4.8	3.2
Ti [µg/g]	2.0	3.9	2.3	3.3	2.6	2.5	3.3	2.2	1.8	4.1	1.9	16	12
Tl [µg/g]	1.7	1.7	1.5	0.54	0.66	0.93	1.2	0.97	1.2	1.5	1.4	1.3	1.2
U [µg/g]	0.26	1.2	0.17	4.4	1.9	3.2	1.5	1.9	0.80	2.2	1.5	1.2	4.4
V [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	2
Zn [µg/g]	1.5	1.8	< 0.7	5.0	31	22	3.5	23	5.1	7.4	2.8	16	11

<original signed by>

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

OnLine LIMS

0003195441

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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

0003238691

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
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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

0003238691

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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

<original signed by>

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

OnLine LIMS

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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

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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

00032068l9

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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

00032068l9

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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

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

LR Report : **CA11022-NOV22**

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

00032068l9

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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

00032068l9

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

LR Report : **CA11022-NOV22**

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

0003206819

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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

00032068l9

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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

0003206819

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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

00032068l9

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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

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

LR Report : **CA11022-NOV22**

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

00032068 19

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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

00032068 19

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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

0003206819

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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
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

00032068 19

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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

<original signed by>

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

OnLine LIMS

0003206819

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P.O. Box 4300 - 185 Concession St.
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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

0003246637

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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

0003246637

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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

<original signed by>

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

OnLine LIMS

0003246637

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LR Report : **CA11023-JAN23**

OnLine LIMS

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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

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CTEU-9--(4:1 L/S ratio, 7 day on 100mesh)

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

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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

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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

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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

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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

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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

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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

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LR Report : **CA11023-NOV22**

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

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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

<original signed by>

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

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Appendix C: ABA Test Results

Sample ID	Material type	Lithology	Sulfur total (%)	Sulfate (% as S)	Sulfide (%)	Carbon total (%)	Carbonate (% as C)
1	Waste Rock	Amphibolite	0.811	0.07	0.74	0.243	0.242
2	Waste Rock	Amphibolite	1.3	0.18	1.12	0.662	1.16
3	Waste Rock	Amphibolite	0.187	0.04	0.16	0.348	0.481
4	Waste Rock	Amphibolite	0.008	0.04	<0.04	0.043	0.028
5	Waste Rock	Amphibolite	0.717	0.1	0.62	0.077	0.060
6	Waste Rock	Amphibolite	0.128	0.04	0.1	1.01	1.722
7	Waste Rock	Amphibolite	0.094	0.04	0.07	0.247	0.340
8	Waste Rock	Amphibolite	0.107	0.04	0.08	0.052	0.026
9	Waste Rock	Amphibolite	0.092	0.04	0.06	0.057	0.040
10	Waste Rock	Amphibolite	0.523	0.06	0.46	0.057	0.032
11	Waste Rock	Amphibolite	0.23	0.05	0.18	0.307	0.412
12	Waste Rock	Amphibolite	0.462	0.07	0.39	0.716	1.07
13	Waste Rock	Amphibolite	0.099	0.04	0.09	0.24	0.334
14	Waste Rock	Amphibolite	0.112	0.04	0.08	0.186	0.190
15	Waste Rock	Amphibolite	0.114	0.04	0.09	0.63	0.993
16	Waste Rock	Metasediment	3.56	0.12	3.44	0.101	0.016
17	Waste Rock	Amphibolite	4.43	0.24	4.19	0.141	0.016
18	Waste Rock	Amphibolite	0.394	0.08	0.31	0.157	0.208
19	Waste Rock	Barren pegmatite	0.339	0.07	0.27	0.118	0.106
20	Waste Rock	Amphibolite	7.39	0.51	6.88	0.073	0.010
21	Waste Rock	Amphibolite	0.064	0.04	0.04	0.488	0.733
22	Waste Rock	Amphibolite	0.053	0.04	<0.04	0.099	0.072
23	Waste Rock	Metasediment	7.32	0.17	7.15	0.078	0.010
24	Waste Rock	Amphibolite	0.083	0.04	0.06	0.086	0.080
25	Waste Rock	Metasediment	0.125	0.04	0.08	0.068	0.072
26	Waste Rock	Amphibolite	0.103	0.04	0.08	0.197	0.254
27	Waste Rock	Amphibolite	0.293	0.04	0.27	0.228	0.242
28	Waste Rock	Amphibolite	0.649	0.16	0.49	0.042	0.014
29	Waste Rock	Amphibolite	0.301	0.04	0.27	0.179	0.242
30	Waste Rock	Amphibolite	0.096	0.04	0.07	0.28	0.400
31	Waste Rock	Metasediment	0.021	0.04	<0.04	0.046	0.010
32	Waste Rock	Amphibolite	0.011	0.04	<0.04	0.217	0.334
33	Waste Rock	Amphibolite	0.031	0.04	<0.04	0.354	0.501

Sample ID	Material type	Lithology	Bulk NP ($kgCaCO_3$/tonne)	AP ($kgCaCO_3$/tonne)	Bulk NNP ($kgCaCO_3$/tonne)	Bulk NPR
1	Waste Rock	Amphibolite	57.50	25.30	32.00	2.27
2	Waste Rock	Amphibolite	47.30	40.50	6.80	1.17
3	Waste Rock	Amphibolite	58.80	5.84	53.00	10.07
4	Waste Rock	Amphibolite	22.60	0.25	22.00	90.40
5	Waste Rock	Amphibolite	37.70	22.40	15.00	1.68
6	Waste Rock	Amphibolite	103.00	4.00	99.00	25.75
7	Waste Rock	Amphibolite	53.50	2.94	51.00	18.20
8	Waste Rock	Amphibolite	40.20	3.34	37.00	12.04
9	Waste Rock	Amphibolite	36.40	2.88	34.00	12.64
10	Waste Rock	Amphibolite	35.90	16.30	20.00	2.20
11	Waste Rock	Amphibolite	58.50	7.19	51.00	8.14
12	Waste Rock	Amphibolite	92.40	14.40	78.00	6.42
13	Waste Rock	Amphibolite	55.30	3.09	52.00	17.90
14	Waste Rock	Amphibolite	40.60	3.50	37.00	11.60
15	Waste Rock	Amphibolite	86.20	3.56	83.00	24.21
16	Waste Rock	Metasediment	63.40	111.00	-47.90	0.57
17	Waste Rock	Amphibolite	74.60	138.00	-63.70	0.54
18	Waste Rock	Amphibolite	47.50	12.30	35.00	3.86
19	Waste Rock	Barren pegmatite	33.40	10.60	23.00	3.15
20	Waste Rock	Amphibolite	121.00	231.00	-109.80	0.52
21	Waste Rock	Amphibolite	66.50	2.00	64.00	33.25
22	Waste Rock	Amphibolite	37.50	1.66	36.00	22.59
23	Waste Rock	Metasediment	101.00	229.00	-127.70	0.44
24	Waste Rock	Amphibolite	45.00	2.59	42.00	17.37
25	Waste Rock	Metasediment	36.60	3.91	33.00	9.36
26	Waste Rock	Amphibolite	52.80	3.22	50.00	16.40
27	Waste Rock	Amphibolite	51.80	9.16	43.00	5.66
28	Waste Rock	Amphibolite	25.00	20.30	4.70	1.23
29	Waste Rock	Amphibolite	37.40	9.41	28.00	3.97
30	Waste Rock	Amphibolite	37.40	3.00	34.00	12.47
31	Waste Rock	Metasediment	33.90	0.66	33.00	51.36
32	Waste Rock	Amphibolite	41.50	0.34	41.00	122.06
33	Waste Rock	Amphibolite	53.30	0.97	52.00	54.95

Sample ID	Material type	Lithology	Classification
1	Waste Rock	Amphibolite	NPAG
2	Waste Rock	Amphibolite	PAG
3	Waste Rock	Amphibolite	NPAG
4	Waste Rock	Amphibolite	NPAG
5	Waste Rock	Amphibolite	PAG
6	Waste Rock	Amphibolite	NPAG
7	Waste Rock	Amphibolite	NPAG
8	Waste Rock	Amphibolite	NPAG
9	Waste Rock	Amphibolite	NPAG
10	Waste Rock	Amphibolite	NPAG
11	Waste Rock	Amphibolite	NPAG
12	Waste Rock	Amphibolite	NPAG
13	Waste Rock	Amphibolite	NPAG
14	Waste Rock	Amphibolite	NPAG
15	Waste Rock	Amphibolite	NPAG
16	Waste Rock	Metasediment	PAG
17	Waste Rock	Amphibolite	PAG
18	Waste Rock	Amphibolite	NPAG
19	Waste Rock	Barren pegmatite	NPAG
20	Waste Rock	Amphibolite	PAG
21	Waste Rock	Amphibolite	NPAG
22	Waste Rock	Amphibolite	NPAG
23	Waste Rock	Metasediment	PAG
24	Waste Rock	Amphibolite	NPAG
25	Waste Rock	Metasediment	NPAG
26	Waste Rock	Amphibolite	NPAG
27	Waste Rock	Amphibolite	NPAG
28	Waste Rock	Amphibolite	PAG
29	Waste Rock	Amphibolite	NPAG
30	Waste Rock	Amphibolite	NPAG
31	Waste Rock	Metasediment	NPAG
32	Waste Rock	Amphibolite	NPAG
33	Waste Rock	Amphibolite	NPAG

Sample ID	Material type	Lithology	Sulfur total (%)	Sulfate (% as S)	Sulfide (%)	Carbon total (%)	Carbonate (% as C)
34	Waste Rock	Metasediment	0.044	0.04	<0.04	0.042	0.010
35	Waste Rock	Metasediment	0.042	0.04	<0.04	0.108	0.118
36	Waste Rock	Ultramafic	0.094	0.04	0.05	0.541	0.969
37	Waste Rock	Amphibolite	0.366	0.05	0.32	0.306	0.404
38	Waste Rock	Metasediment	0.017	0.04	<0.04	0.016	0.010
39	Waste Rock	Metasediment	0.675	0.1	0.58	0.032	0.026
40	Waste Rock	Metasediment	0.757	0.21	0.55	0.065	0.046
41	Waste Rock	Metasediment	0.503	0.11	0.39	0.027	0.024
42	Waste Rock	Metasediment	1.09	0.19	0.9	0.034	0.030
43	Waste Rock	Metasediment	1.01	0.12	0.89	0.042	0.034
44	Waste Rock	Metasediment	<0.005	0.04	<0.04	0.115	0.166
45	Waste Rock	Metasediment	0.007	0.04	<0.04	0.088	0.114
46	Waste Rock	Metasediment	0.008	0.04	<0.04	0.117	0.164
47	Waste Rock	Metasediment	0.349	0.07	0.28	0.025	0.010
48	Waste Rock	Metasediment	0.161	0.04	0.15	0.254	0.356
49	Waste Rock	Metasediment	<0.005	0.04	<0.04	0.025	0.010
50	Waste Rock	Metasediment	0.891	0.13	0.76	1.26	2.42
51	Waste Rock	Metasediment	0.454	0.07	0.38	0.019	0.010
52	Waste Rock	Metasediment	0.255	0.04	0.21	0.104	0.138
53	Waste Rock	Metasediment	1.14	0.2	0.94	0.118	0.160
54	Waste Rock	Metasediment	0.48	0.09	0.39	0.031	0.010
55	Waste Rock	Metasediment	0.239	0.04	0.21	0.202	0.324
56	Waste Rock	Amphibolite	0.357	0.09	0.27	0.495	0.809
57	Waste Rock	Metasediment	0.951	0.16	0.79	0.349	0.432
58	Waste Rock	Ultramafic	0.407	0.08	0.33	0.819	1.33

Sample ID	Material type	Lithology	Bulk NP ($kgCaCO_3$/tonne)	AP ($kgCaCO_3$/tonne)	Bulk NNP ($kgCaCO_3$/tonne)	Bulk NPR
34	Waste Rock	Metasediment	38.90	1.38	38.00	28.19
35	Waste Rock	Metasediment	35.90	1.31	35.00	27.40
36	Waste Rock	Ultramafic	62.20	2.94	59.00	21.16
37	Waste Rock	Amphibolite	44.00	11.40	33.00	3.86
38	Waste Rock	Metasediment	15.10	0.53	15.00	28.49
39	Waste Rock	Metasediment	18.60	21.10	-2.50	0.88
40	Waste Rock	Metasediment	18.90	23.70	-4.80	0.80
41	Waste Rock	Metasediment	14.70	15.70	-1.00	0.94
42	Waste Rock	Metasediment	16.20	34.20	-18.00	0.47
43	Waste Rock	Metasediment	20.30	31.70	-11.40	0.64
44	Waste Rock	Metasediment	17.90	1.25	17.00	14.32
45	Waste Rock	Metasediment	16.20	0.22	16.00	73.64
46	Waste Rock	Metasediment	19.40	0.25	19.00	77.60
47	Waste Rock	Metasediment	13.80	10.90	2.90	1.27
48	Waste Rock	Metasediment	49.20	5.03	44.00	9.78
49	Waste Rock	Metasediment	15.20	1.25	14.00	12.16
50	Waste Rock	Metasediment	16.70	27.80	-11.10	0.60
51	Waste Rock	Metasediment	12.70	14.20	-1.50	0.89
52	Waste Rock	Metasediment	21.20	7.97	13.00	2.66
53	Waste Rock	Metasediment	25.40	35.60	-10.20	0.71
54	Waste Rock	Metasediment	24.20	15.00	9.20	1.61
55	Waste Rock	Metasediment	32.00	7.47	25.00	4.28
56	Waste Rock	Amphibolite	52.80	11.20	42.00	4.71
57	Waste Rock	Metasediment	39.00	29.70	9.30	1.31
58	Waste Rock	Ultramafic	82.10	12.70	69.00	6.46

Sample ID	Material type	Lithology	Classification
34	Waste Rock	Metasediment	NPAG
35	Waste Rock	Metasediment	NPAG
36	Waste Rock	Ultramafic	NPAG
37	Waste Rock	Amphibolite	NPAG
38	Waste Rock	Metasediment	NPAG
39	Waste Rock	Metasediment	PAG
40	Waste Rock	Metasediment	PAG
41	Waste Rock	Metasediment	PAG
42	Waste Rock	Metasediment	PAG
43	Waste Rock	Metasediment	PAG
44	Waste Rock	Metasediment	NPAG
45	Waste Rock	Metasediment	NPAG
46	Waste Rock	Metasediment	NPAG
47	Waste Rock	Metasediment	PAG
48	Waste Rock	Metasediment	NPAG
49	Waste Rock	Metasediment	NPAG
50	Waste Rock	Metasediment	PAG
51	Waste Rock	Metasediment	PAG
52	Waste Rock	Metasediment	PAG
53	Waste Rock	Metasediment	PAG
54	Waste Rock	Metasediment	PAG
55	Waste Rock	Metasediment	NPAG
56	Waste Rock	Amphibolite	NPAG
57	Waste Rock	Metasediment	PAG
58	Waste Rock	Ultramafic	NPAG

Sample ID	Material type	Lithology	Sulfur total (%)	Sulfate (% as S)	Sulfide (%)	Carbon total (%)	Carbonate (% as C)
59	Waste Rock	Ultramafic	1.3	0.26	1.04	0.048	0.042
60	Waste Rock	Ultramafic	0.17	0.09	0.08	2.4	2.47
61	Waste Rock	Ultramafic	0.168	0.05	0.12	1.14	1.582
62	Waste Rock	Ultramafic	0.417	0.07	0.35	2.12	2.55
63	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.032	0.016
64	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.021	0.010
65	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.014	0.010
66	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.011	0.010
67	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.013	0.010
68	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.025	0.010
69	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.039	0.030
70	Waste Rock	Barren pegmatite	0.005	0.04	<0.04	0.03	0.010
71	Waste Rock	Barren pegmatite	<0.005	0.04	<0.04	0.01	0.010
72	Waste Rock	Barren pegmatite	0.005	0.04	<0.04	0.033	0.010
73	Waste Rock	Barren pegmatite	<0.005	<0.04	<0.04	0.02	0.010
74	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.013	0.010
75	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.03	0.016
76	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.034	0.016
77	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.025	0.010
78	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.034	0.012
79	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.024	0.010
80	Waste Rock	Barren pegmatite	0.03	<0.04	<0.04	0.021	0.010
81	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.014	0.010
82	Ore	Spodumene pegmatite	<0.005	<0.04	<0.04	0.057	0.052
83	Tailings	DMS Tailings	<0.005	<0.04	<0.04	0.019	0.016
84	Tailings	DMS Tailings	<0.005	<0.04	<0.04	0.015	0.016

Sample ID	Material type	Lithology	Bulk NP ($kgCaCO_3$/tonne)	AP ($kgCaCO_3$/tonne)	Bulk NNP ($kgCaCO_3$/tonne)	Bulk NPR
59	Waste Rock	Ultramafic	31.40	40.80	-9.40	0.77
60	Waste Rock	Ultramafic	118.00	5.31	113.00	22.22
61	Waste Rock	Ultramafic	86.30	5.25	81.00	16.44
62	Waste Rock	Ultramafic	116.00	13.00	102.00	8.92
63	Waste Rock	Barren pegmatite	12.60	1.25	11.00	10.08
64	Waste Rock	Barren pegmatite	12.50	1.25	11.00	10.00
65	Waste Rock	Barren pegmatite	8.80	1.25	7.60	7.04
66	Waste Rock	Barren pegmatite	7.80	1.25	6.60	6.24
67	Waste Rock	Barren pegmatite	8.20	1.25	7.00	6.56
68	Waste Rock	Barren pegmatite	16.50	1.25	15.00	13.20
69	Waste Rock	Barren pegmatite	10.30	1.25	9.00	8.24
70	Waste Rock	Barren pegmatite	8.50	0.16	8.30	53.13
71	Waste Rock	Barren pegmatite	10.60	1.25	9.40	8.48
72	Waste Rock	Barren pegmatite	18.90	0.16	19.00	118.13
73	Waste Rock	Barren pegmatite	7.50	1.25	6.20	6.00
74	Ore	Spodumene pegmatite	8.50	1.25	7.20	6.80
75	Ore	Spodumene pegmatite	10.20	1.25	9.00	8.16
76	Ore	Spodumene pegmatite	12.00	1.25	11.00	9.60
77	Ore	Spodumene pegmatite	11.30	1.25	10.00	9.04
78	Ore	Spodumene pegmatite	30.90	1.25	30.00	24.72
79	Ore	Spodumene pegmatite	9.50	1.25	8.20	7.60
80	Waste Rock	Barren pegmatite	8.70	0.94	7.80	9.26
81	Ore	Spodumene pegmatite	11.00	1.25	9.80	8.80
82	Ore	Spodumene pegmatite	13.40	1.25	12.00	10.72
83	Tailings	DMS Tailings	6.30	1.25	5.00	5.04
84	Tailings	DMS Tailings	6.00	1.25	4.80	4.80

Sample ID	Material type	Lithology	Classification
59	Waste Rock	Ultramafic	PAG
60	Waste Rock	Ultramafic	NPAG
61	Waste Rock	Ultramafic	NPAG
62	Waste Rock	Ultramafic	NPAG
63	Waste Rock	Barren pegmatite	NPAG
64	Waste Rock	Barren pegmatite	NPAG
65	Waste Rock	Barren pegmatite	NPAG
66	Waste Rock	Barren pegmatite	NPAG
67	Waste Rock	Barren pegmatite	NPAG
68	Waste Rock	Barren pegmatite	NPAG
69	Waste Rock	Barren pegmatite	NPAG
70	Waste Rock	Barren pegmatite	NPAG
71	Waste Rock	Barren pegmatite	NPAG
72	Waste Rock	Barren pegmatite	NPAG
73	Waste Rock	Barren pegmatite	NPAG
74	Ore	Spodumene pegmatite	NPAG
75	Ore	Spodumene pegmatite	NPAG
76	Ore	Spodumene pegmatite	NPAG
77	Ore	Spodumene pegmatite	NPAG
78	Ore	Spodumene pegmatite	NPAG
79	Ore	Spodumene pegmatite	NPAG
80	Waste Rock	Barren pegmatite	NPAG
81	Ore	Spodumene pegmatite	NPAG
82	Ore	Spodumene pegmatite	NPAG
83	Tailings	DMS Tailings	NPAG
84	Tailings	DMS Tailings	NPAG

Appendix D: Leaching Test Results and Regulations

		Component	Al (mg/kg)	Ag (mg/kg)	As (mg/kg)	B (mg/kg)	Ba (mg/kg)	Be (mg/kg)	Bi (mg/kg)	Ca (mg/kg)	Cd (mg/kg)	Co (mg/kg)
		Continental crust	84149.3	0.1	1.3	11.0	456.0	1.9	0.2	45742.6	0.1	26.6
		MELCCFP Criteria A for soil quality		0.5	5		240				0.9	30
Sample ID	Lithology	Material Type										
1	Amphibolite	Waste Rock	21000.00	<0.5	2.3	3	230	0.09	0.17	13000.00	0.03	28
2	Amphibolite	Waste Rock	9900.00	<0.5	33	12	46	0.43	0.19	3800.00	0.06	22
3	Amphibolite	Waste Rock	6700.00	<0.5	4	2	34	0.07	<0.09	9900.00	0.04	13
4	Amphibolite	Waste Rock	4500.00	<0.5	12	3	6.2	0.2	0.11	3500.00	<0.02	6
5	Amphibolite	Waste Rock	7100.00	<0.5	150	7	20	0.22	0.29	4100.00	0.07	20
6	Amphibolite	Waste Rock	6700.00	<0.5	1.2	2	6.7	0.05	<0.09	24000.00	0.04	9.1
7	Amphibolite	Waste Rock	8300.00	<0.5	3.4	6	11	0.15	<0.09	11000.00	0.02	9.3
8	Amphibolite	Waste Rock	13000.00	<0.5	0.6	7	10	0.07	<0.09	11000.00	0.03	10
9	Amphibolite	Waste Rock	17000.00	<0.5	1.2	3	6	0.06	<0.09	13000.00	0.02	6.3
10	Amphibolite	Waste Rock	7100.00	<0.5	12	3	9.8	0.15	<0.09	6700.00	0.07	15
11	Amphibolite	Waste Rock	8000.00	<0.5	11	69	20	0.37	<0.09	12000.00	0.04	12
12	Amphibolite	Waste Rock	16000.00	<0.5	3.4	21	15	0.1	<0.09	28000.00	0.11	20
13	Amphibolite	Waste Rock	12000.00	<0.5	15	25	14	2.3	<0.09	8700.00	0.02	14
14	Amphibolite	Waste Rock	6500.00	<0.5	11	2	7.3	0.42	0.09	6200.00	0.02	14
15	Amphibolite	Waste Rock	8900.00	<0.5	3	32	16	0.2	0.1	18000.00	0.05	12
16	Metasediment	Waste Rock	8500.00	2.2	7.7	5	73	0.2	2.5	5900.00	7.5	48
17	Amphibolite	Waste Rock	8200.00	1.1	26	3	58	0.14	0.17	8400.00	2.4	59
18	Amphibolite	Waste Rock	9900.00	<0.5	25	5	19	0.67	0.27	9600.00	0.09	19
19	barren pegmatite	Waste Rock	5500.00	<0.5	2.6	2	9	0.04	<0.09	7700.00	0.04	20
20	Amphibolite	Waste Rock	17000.00	<0.5	1.5	2	110	0.19	0.39	11000.00	0.14	21
21	Amphibolite	Waste Rock	8700.00	<0.5	15	3	62	0.09	0.1	14000.00	<0.02	8.8
22	Amphibolite	Waste Rock	9200.00	<0.5	46	2	7.4	0.58	<0.09	4700.00	0.3	11
23	Metasediment	Waste Rock	7800.00	<0.5	4	4	37	0.17	1.3	4900.00	0.15	26
24	Amphibolite	Waste Rock	7900.00	<0.5	4	2	120	0.1	<0.09	5600.00	<0.02	7.6
25	Metasediment	Waste Rock	6300.00	<0.5	16	30	69	0.11	0.11	2900.00	<0.02	11
26	Amphibolite	Waste Rock	8300.00	<0.5	1.3	37	20	0.09	<0.09	9100.00	0.02	9.4
27	Amphibolite	Waste Rock	7800.00	<0.5	8.3	10	17	0.32	<0.09	9400.00	0.07	17
28	Amphibolite	Waste Rock	8400.00	<0.5	88	6	19	1.5	0.8	7400.00	0.04	18
29	Amphibolite	Waste Rock	13000.00	<0.5	55	4	55	0.78	0.18	6600.00	0.23	20
30	Amphibolite	Waste Rock	7300.00	<0.5	6.2	6	11	0.07	<0.09	11000.00	0.06	12
31	Metasediment	Waste Rock	6800.00	<0.5	43	14	71	0.46	<0.09	3100.00	0.04	6.1
32	Amphibolite	Waste Rock	7300.00	<0.5	2.6	4	18	0.09	<0.09	9400.00	0.04	7.9
33	Amphibolite	Waste Rock	6500.00	<0.5	5.9	3	27	0.09	<0.09	8800.00	0.03	8.1
34	Metasediment	Waste Rock	15000.00	<0.5	49	20	150	1.9	0.1	5500.00	0.11	9.2
35	Metasediment	Waste Rock	12000.00	<0.5	3.8	4	160	0.14	<0.09	4400.00	<0.02	7.4
36	Ultramafic	Waste Rock	5900.00	<0.5	440	17	25	1.1	0.35	6300.00	0.04	35
37	Amphibolite	Waste Rock	8100.00	<0.5	3000	29	42	4	2.8	16000.00	0.22	22
38	Metasediment	Waste Rock	7700.00	<0.5	10	6	8.3	2.8	0.58	1600.00	0.05	4.6
39	Metasediment	Waste Rock	9600.00	<0.5	42	5	34	0.93	0.27	3100.00	0.26	12
40	Metasediment	Waste Rock	10000.00	<0.5	5	4	49	0.24	<0.09	6000.00	0.04	11
41	Metasediment	Waste Rock	7000.00	<0.5	4.5	6	28	0.4	0.12	1900.00	0.05	7.9
42	Metasediment	Waste Rock	6600.00	<0.5	3.4	4	25	0.21	<0.09	2000.00	0.2	8.7
43	Metasediment	Waste Rock	12000.00	<0.5	3.5	21	64	0.2	<0.09	4400.00	0.03	14
44	Metasediment	Waste Rock	3800.00	<0.5	3.3	3	57	0.25	<0.09	3300.00	0.03	4.9
45	Metasediment	Waste Rock	4900.00	<0.5	1.8	2	81	0.06	<0.09	3400.00	0.04	4.9
46	Metasediment	Waste Rock	7100.00	<0.5	3	1	130	0.08	<0.09	4500.00	0.03	6.9
47	Metasediment	Waste Rock	8600.00	<0.5	4	1	200	0.05	0.19	770.00	0.22	9.7
48	Metasediment	Waste Rock	16000.00	<0.5	26	2	2.8	1.3	<0.09	8400.00	0.67	26
49	Metasediment	Waste Rock	20000.00	<0.5	21	6	150	1	0.31	3900.00	0.03	9.7

	Component	Cr (mg/kg)	Cu (mg/kg)	Fe (mg/kg)	Hg (mg/kg)	K (mg/kg)	Li (mg/kg)	Mg (mg/kg)	Mn (mg/kg)	Mo (mg/kg)	Na (mg/kg)	Ni (mg/kg)
	Continental crust	135.0	27.0	52079.0	0.0	14942.6	16.0	28342.3	1291.2	0.8	22156.6	59.0
	MELCCFP Criteria A for soil quality	100	65		0.3				1300.00	8		50
Sample ID	Lithology	Material Type										
1	Amphibolite	Waste Rock	160	96	33000.00	<0.05	10000.00	280	10000.00	480.00	0.2	1700.00	110
2	Amphibolite	Waste Rock	92	66	25000.00	<0.05	1700.00	300	6800.00	240.00	0.3	570.00	71
3	Amphibolite	Waste Rock	30	89	16000.00	<0.05	800.00	73	3100.00	260.00	0.2	810.00	14
4	Amphibolite	Waste Rock	58	16	5700.00	<0.05	320.00	80	3700.00	92.00	<0.1	800.00	10
5	Amphibolite	Waste Rock	82	69	15000.00	<0.05	790.00	260	5900.00	160.00	0.1	410.00	89
6	Amphibolite	Waste Rock	44	65	9600.00	<0.05	170.00	49	2600.00	340.00	<0.1	860.00	25
7	Amphibolite	Waste Rock	37	73	11000.00	<0.05	450.00	57	4600.00	190.00	<0.1	1000.00	29
8	Amphibolite	Waste Rock	48	82	10000.00	<0.05	320.00	71	3600.00	160.00	<0.1	1200.00	37
9	Amphibolite	Waste Rock	29	59	6100.00	<0.05	73.00	8	2200.00	110.00	<0.1	1600.00	23
10	Amphibolite	Waste Rock	17	130	20000.00	<0.05	320.00	60	3900.00	180.00	0.2	840.00	9.5
11	Amphibolite	Waste Rock	61	81	12000.00	<0.05	470.00	130	4100.00	200.00	0.2	860.00	36
12	Amphibolite	Waste Rock	47	180	15000.00	<0.05	530.00	28	3400.00	300.00	0.2	1600.00	63
13	Amphibolite	Waste Rock	61	59	16000.00	<0.05	470.00	220	12000.00	230.00	<0.1	590.00	31
14	Amphibolite	Waste Rock	60	61	14000.00	<0.05	260.00	71	5400.00	230.00	<0.1	830.00	35
15	Amphibolite	Waste Rock	50	89	11000.00	<0.05	510.00	74	4700.00	260.00	<0.1	800.00	39
16	Metasediment	Waste Rock	68	150	39000.00	1.84	2200.00	250	4900.00	440.00	0.4	890.00	170
17	Amphibolite	Waste Rock	69	170	48000.00	0.33	2400.00	180	4500.00	410.00	0.2	750.00	170
18	Amphibolite	Waste Rock	63	110	15000.00	<0.05	590.00	180	5000.00	210.00	0.1	690.00	61
19	barren pegmatite	Waste Rock	55	67	7200.00	<0.05	210.00	32	1800.00	150.00	<0.1	730.00	77
20	Amphibolite	Waste Rock	56	85	61000.00	<0.05	2500.00	93	4000.00	250.00	0.3	1200.00	56
21	Amphibolite	Waste Rock	63	52	10000.00	<0.05	930.00	28	4300.00	260.00	0.2	940.00	29
22	Amphibolite	Waste Rock	170	32	14000.00	<0.05	230.00	270	9300.00	210.00	0.2	520.00	44
23	Metasediment	Waste Rock	58	130	66000.00	<0.05	1000.00	140	4600.00	230.00	0.3	630.00	81
24	Amphibolite	Waste Rock	31	27	15000.00	<0.05	1600.00	46	3900.00	160.00	0.2	880.00	10
25	Metasediment	Waste Rock	230	27	8800.00	<0.05	1600.00	61	6100.00	68.00	0.3	270.00	110
26	Amphibolite	Waste Rock	52	62	11000.00	<0.05	400.00	130	4600.00	160.00	<0.1	720.00	33
27	Amphibolite	Waste Rock	76	58	13000.00	<0.05	550.00	50	5100.00	290.00	0.1	770.00	52
28	Amphibolite	Waste Rock	35	150	20000.00	<0.05	710.00	120	6500.00	270.00	1.6	580.00	30
29	Amphibolite	Waste Rock	51	51	30000.00	<0.05	2600.00	280	13000.00	400.00	0.5	350.00	32
30	Amphibolite	Waste Rock	4.4	310	18000.00	<0.05	470.00	42	3400.00	240.00	0.7	800.00	7.1
31	Metasediment	Waste Rock	17	8.8	9500.00	<0.05	2800.00	300	2500.00	180.00	0.3	410.00	7.7
32	Amphibolite	Waste Rock	25	71	15000.00	<0.05	560.00	35	3800.00	200.00	0.1	1000.00	6.6
33	Amphibolite	Waste Rock	26	120	15000.00	<0.05	680.00	90	3000.00	190.00	0.2	780.00	7.4
34	Metasediment	Waste Rock	32	18	23000.00	<0.05	5400.00	650	4200.00	420.00	0.5	800.00	16
35	Metasediment	Waste Rock	52	16	18000.00	<0.05	5800.00	290	4700.00	280.00	0.4	840.00	14
36	Ultramafic	Waste Rock	600	32	11000.00	<0.05	770.00	120	14000.00	140.00	0.1	57.00	360
37	Amphibolite	Waste Rock	34	33	15000.00	<0.05	2200.00	480	5000.00	370.00	0.5	220.00	64
38	Metasediment	Waste Rock	16	8.4	15000.00	<0.05	680.00	330	3700.00	280.00	0.2	370.00	11
39	Metasediment	Waste Rock	50	41	17000.00	<0.05	1300.00	360	7600.00	260.00	0.5	370.00	37
40	Metasediment	Waste Rock	25	23	19000.00	<0.05	1200.00	370	3100.00	260.00	0.3	490.00	22
41	Metasediment	Waste Rock	13	20	9700.00	<0.05	1100.00	150	7400.00	140.00	0.4	410.00	13
42	Metasediment	Waste Rock	14	19	15000.00	<0.05	1300.00	120	4800.00	170.00	0.4	460.00	14
43	Metasediment	Waste Rock	31	27	22000.00	<0.05	2100.00	190	5100.00	220.00	0.2	590.00	23
44	Metasediment	Waste Rock	27	26	5400.00	<0.05	1200.00	130	1000.00	88.00	0.3	500.00	6.6
45	Metasediment	Waste Rock	38	26	8300.00	<0.05	1900.00	12	1400.00	110.00	0.3	550.00	8
46	Metasediment	Waste Rock	40	34	12000.00	<0.05	3000.00	15	1700.00	160.00	0.4	540.00	10
47	Metasediment	Waste Rock	21	24	17000.00	<0.05	4800.00	72	4900.00	180.00	0.8	330.00	15
48	Metasediment	Waste Rock	4.1	120	47000.00	<0.05	160.00	193	15000.00	540.00	0.4	310.00	12
49	Metasediment	Waste Rock	18	4.8	25000.00	<0.05	9300.00	950	9800.00	500.00	0.4	450.00	12

		Component	P (mg/kg)	Pb (mg/kg)	Sb (mg/kg)	Se (mg/kg)	Sn (mg/kg)	Sr (mg/kg)	Th (mg/kg)	Ti (mg/kg)	U (mg/kg)	V (mg/kg)	Zn (mg/kg)
		Continental crust	436.4	11.0	0.2	2.5	1.7	49.0	5.6	4195.3	1.3	138.0	71.0
		MELCCFP Criteria A for soil quality		40		3	5						150
Sample ID	Lithology	Material Type											
1	Amphibolite	Waste Rock	120.00	0.96	<0.8	<0.7	<5	17	0.22	1700.00	0.023	92	37
2	Amphibolite	Waste Rock	170.00	5.5	1.3	1	<5	6.4	0.48	380.00	0.36	44	40
3	Amphibolite	Waste Rock	200.00	0.19	<0.8	<0.7	<5	6.6	0.04	240.00	0.052	53	20
4	Amphibolite	Waste Rock	66.00	0.48	<0.8	<0.7	<5	4.1	0.06	100.00	0.2	13	6.1
5	Amphibolite	Waste Rock	150.00	1.3	12	<0.7	<5	5	0.56	170.00	0.068	25	35
6	Amphibolite	Waste Rock	150.00	0.18	<0.8	<0.7	<5	17	<0.02	440.00	0.048	29	11
7	Amphibolite	Waste Rock	110.00	0.53	<0.8	<0.7	<5	10	0.07	240.00	0.077	30	11
8	Amphibolite	Waste Rock	98.00	0.2	<0.8	<0.7	<5	21	0.05	340.00	0.02	28	11
9	Amphibolite	Waste Rock	82.00	0.14	<0.8	<0.7	<5	31	<0.02	320.00	0.013	17	7.4
10	Amphibolite	Waste Rock	310.00	0.79	1.3	<0.7	<5	4.1	0.05	260.00	0.092	37	24
11	Amphibolite	Waste Rock	92.00	0.75	2.3	<0.7	<5	8.9	0.12	330.00	0.031	28	13
12	Amphibolite	Waste Rock	160.00	0.96	<0.8	<0.7	<5	24	0.07	690.00	0.051	30	23
13	Amphibolite	Waste Rock	150.00	1.1	0.8	<0.7	<5	8.4	0.09	370.00	0.099	61	15
14	Amphibolite	Waste Rock	170.00	1.1	1	<0.7	<5	4	0.04	310.00	0.06	51	16
15	Amphibolite	Waste Rock	100.00	0.95	<0.8	<0.7	<5	11	0.06	350.00	0.14	33	25
16	Metasediment	Waste Rock	370.00	393	0.8	<0.7	<5	10	0.8	650.00	0.3	49	3100
17	Amphibolite	Waste Rock	490.00	71	2.6	<0.7	<5	13	0.45	970.00	0.12	55	750
18	Amphibolite	Waste Rock	100.00	5.7	3.5	<0.7	<5	8.7	0.21	300.00	0.095	34	33
19	barren pegmatite	Waste Rock	87.00	2.8	<0.8	<0.7	<5	10	0.03	410.00	0.011	24	18
20	Amphibolite	Waste Rock	250.00	2.7	<0.8	<0.7	<5	43	0.27	480.00	0.18	29	44
21	Amphibolite	Waste Rock	140.00	0.73	<0.8	<0.7	<5	16	0.03	240.00	0.13	26	13
22	Amphibolite	Waste Rock	470.00	8.6	1	<0.7	<5	5.7	0.05	290.00	0.39	34	82
23	Metasediment	Waste Rock	310.00	1.4	1.2	<1.0	<5	6.7	0.33	430.00	0.41	39	82
24	Amphibolite	Waste Rock	400.00	1.7	<0.8	<0.7	<5	14	0.05	310.00	0.35	32	29
25	Metasediment	Waste Rock	53.00	1.1	<0.8	<0.7	<5	7.6	0.07	160.00	0.48	16	12
26	Amphibolite	Waste Rock	77.00	0.92	<0.8	<0.7	<5	7.4	0.06	250.00	0.018	25	13
27	Amphibolite	Waste Rock	170.00	3.6	1.1	<0.7	<5	7	0.1	340.00	0.28	40	42
28	Amphibolite	Waste Rock	540.00	2.2	3.1	<0.7	<5	6.4	0.29	390.00	0.63	30	23
29	Amphibolite	Waste Rock	330.00	11	5.3	<0.7	<5	5.5	0.2	770.00	0.23	67	99
30	Amphibolite	Waste Rock	310.00	0.57	<0.8	<0.7	<5	7.2	0.04	360.00	0.075	60	24
31	Metasediment	Waste Rock	310.00	1.4	<0.8	<0.7	<5	5.9	1.5	370.00	0.31	34	25
32	Amphibolite	Waste Rock	200.00	0.2	<0.8	<0.7	<5	6.2	0.05	250.00	0.061	57	18
33	Amphibolite	Waste Rock	200.00	0.27	<0.8	<0.7	<5	5	0.04	240.00	0.066	70	15
34	Metasediment	Waste Rock	260.00	7.4	1.2	<0.7	8	11	5.2	640.00	0.88	40	53
35	Metasediment	Waste Rock	200.00	2.1	<0.8	<0.7	<5	8.7	0.21	620.00	0.65	33	32
36	Ultramafic	Waste Rock	23.00	0.49	62	<0.7	<5	4	0.46	88.00	0.63	18	15
37	Amphibolite	Waste Rock	1300.00	3.4	47	<0.7	26	11	4.1	410.00	1.1	28	32
38	Metasediment	Waste Rock	370.00	2.2	1	<0.7	9	3.9	0.69	210.00	1	29	20
39	Metasediment	Waste Rock	120.00	26	3.7	<0.7	<5	5.2	0.61	280.00	1	32	110
40	Metasediment	Waste Rock	250.00	2.7	2.4	<0.7	<5	8.8	0.25	310.00	0.55	44	29
41	Metasediment	Waste Rock	170.00	5.6	<0.8	<0.7	<5	7.7	0.07	130.00	0.32	19	20
42	Metasediment	Waste Rock	160.00	18	<0.8	<0.7	<5	6.7	0.08	190.00	0.32	21	61
43	Metasediment	Waste Rock	250.00	3	<0.8	<0.7	<5	12	0.13	330.00	0.47	55	26
44	Metasediment	Waste Rock	300.00	2.4	<0.8	<0.7	<5	8.6	0.09	180.00	0.78	27	9.8
45	Metasediment	Waste Rock	340.00	2.3	<0.8	<0.7	<5	10	0.07	290.00	0.56	38	14
46	Metasediment	Waste Rock	280.00	1.9	<0.8	<0.7	<5	14	0.1	410.00	0.65	46	18
47	Metasediment	Waste Rock	36.00	3.3	<0.8	<0.7	<5	1.6	0.13	530.00	0.94	26	91
48	Metasediment	Waste Rock	350.00	2.3	<0.8	<0.7	<5	5.3	0.05	370.00	0.27	150	140
49	Metasediment	Waste Rock	220.00	1.5	<0.8	<0.7	10	7.1	11	790.00	0.79	53	45

		Component	Al (mg/kg)	Ag (mg/kg)	As (mg/kg)	B (mg/kg)	Ba (mg/kg)	Be (mg/kg)	Bi (mg/kg)	Ca (mg/kg)	Cd (mg/kg)	Co (mg/kg)
		Continental crust	84149.3	0.1	1.3	11.0	456.0	1.9	0.2	45742.6	0.1	26.6
		MELCCFP Criteria A for soil quality		0.5	5		240				0.9	30
Sample ID	Lithology	Material Type										
50	Metasediment	Waste Rock	9500.00	<0.5	100	3	45	0.82	0.81	1600.00	0.94	25
51	Metasediment	Waste Rock	5200.00	<0.5	4.2	2	24	0.41	0.16	1100.00	0.03	8.1
52	Metasediment	Waste Rock	9300.00	<0.5	4.9	4	43	0.15	<0.09	6400.00	0.03	8.2
53	Metasediment	Waste Rock	9600.00	<0.5	5500	1	180	0.05	0.14	4400.00	0.05	9.4
54	Metasediment	Waste Rock	11000.00	<0.5	64	6	38	0.42	0.15	7200.00	0.05	14
55	Metasediment	Waste Rock	3500.00	<0.5	110	2	35	<0.02	0.12	4300.00	<0.02	15
56	Amphibolite	Waste Rock	10000.00	<0.5	13	16	130	0.11	0.2	14000.00	0.02	14
57	Metasediment	Waste Rock	4700.00	<0.5	0.9	1	120	0.05	0.18	8200.00	0.08	12
58	Ultramafic	Waste Rock	7900.00	<0.5	390	12	6.2	0.75	0.22	11000.00	<0.02	53
59	Ultramafic	Waste Rock	7300.00	<0.5	92	1	5.6	0.05	0.33	2400.00	0.02	29
60	Ultramafic	Waste Rock	8100.00	<0.5	440	8	17	1.8	0.72	16000.00	0.05	57
61	Ultramafic	Waste Rock	12000.00	<0.5	160	15	0.82	0.28	0.21	13000.00	<0.02	33
62	Ultramafic	Waste Rock	4700.00	<0.5	880	10	7.9	1.3	0.64	22000.00	0.03	82
63	barren pegmatite	Waste Rock	1800.00	<0.5	13	8	1.2	4.3	20	1400.00	0.09	0.38
64	barren pegmatite	Waste Rock	2100.00	<0.5	14	4	2.2	1.5	0.23	1300.00	0.09	0.39
65	barren pegmatite	Waste Rock	1700.00	<0.5	6.3	2	1.3	0.82	2.8	620.00	0.04	0.12
66	barren pegmatite	Waste Rock	1900.00	<0.5	7.4	2	1.7	0.94	3.4	660.00	0.07	0.38
67	barren pegmatite	Waste Rock	1700.00	<0.5	3.1	1	1.6	0.51	1.5	480.00	0.02	0.12
68	barren pegmatite	Waste Rock	3700.00	<0.5	8.5	4	2.3	0.78	18	990.00	0.03	0.3
69	barren pegmatite	Waste Rock	2000.00	<0.5	7.2	6	2.1	15.5	7.1	2000.00	0.18	0.36
70	barren pegmatite	Waste Rock	1600.00	<0.5	7.1	2	1.5	8.7	2.5	1400.00	0.26	2.1
71	barren pegmatite	Waste Rock	2300.00	<0.5	13	4	3.1	2.1	0.41	1200.00	0.1	0.27
72	barren pegmatite	Waste Rock	3800.00	<0.5	40	25	3.1	6.1	2.2	1600.00	0.12	1.2
73	barren pegmatite	Waste Rock	1700.00	<0.5	5.7	3	1.9	0.6	1.1	360.00	0.05	0.18
80	barren pegmatite	Waste Rock	2900.00	<0.5	190	6	2.7	4.9	4.1	1500.00	0.22	1.5
74	Spodumene pegmatite	Ore	1900.00	<0.5	17	4	0.47	0.83	1.3	750.00	0.08	0.1
75	Spodumene pegmatite	Ore	1800.00	<0.5	14	5	0.89	3	65	850.00	0.06	0.16
76	Spodumene pegmatite	Ore	2800.00	<0.5	3.8	5	4.5	5.1	3.7	1800.00	0.11	0.75
77	Spodumene pegmatite	Ore	2900.00	<0.5	5.1	6	1.3	6.8	0.64	2600.00	0.51	0.28
78	Spodumene pegmatite	Ore	2800.00	<0.5	5.7	6	2.9	3.6	3.2	2700.00	0.31	0.82
79	Spodumene pegmatite	Ore	1900.00	<0.5	8.3	2	1.5	1.1	0.78	650.00	0.05	0.16
81	Spodumene pegmatite	Ore	2300.00	<0.5	9	6	1.2	1.2	1	800.00	0.11	0.31
82	Spodumene pegmatite	Ore	3300.00	0.7	5.5	6	2.1	5	0.56	2400.00	0.09	1.1
83	DMS Tails	DMS Tailings	1400.00	<0.5	11	2	1.8	1.8	8.9	730.00	0.04	0.28
84	DMS Tails	DMS Tailings	1400.00	<0.5	7.9	2	1.6	1.3	3.3	590.00	0.03	0.3

		Component	Cr (mg/kg)	Cu (mg/kg)	Fe (mg/kg)	Hg (mg/kg)	K (mg/kg)	Li (mg/kg)	Mg (mg/kg)	Mn (mg/kg)	Mo (mg/kg)	Na (mg/kg)	Ni (mg/kg)
		Continental crust	135.0	27.0	52079.0	0.0	14942.6	16.0	28342.3	1291.2	0.8	22156.6	59.0
		MELCCFP Criteria A for soil quality	100	65		0.3				1300.00	8		50
Sample ID	Lithology	Material Type											
50	Metasediment	Waste Rock	27	160	19000.00	<0.05	2400.00	450	5400.00	290.00	1	270.00	40
51	Metasediment	Waste Rock	14	18	9200.00	<0.05	880.00	160	4100.00	140.00	0.4	420.00	11
52	Metasediment	Waste Rock	29	25	15000.00	<0.05	1400.00	230	4100.00	370.00	0.4	340.00	20
53	Metasediment	Waste Rock	7.2	21	23000.00	<0.05	5400.00	150	5200.00	320.00	0.4	510.00	7.9
54	Metasediment	Waste Rock	35	38	16000.00	<0.05	1600.00	140	2800.00	200.00	1	850.00	22
55	Metasediment	Waste Rock	190	33	6200.00	<0.05	360.00	25	5600.00	81.00	0.4	160.00	150
56	Amphibolite	Waste Rock	70	66	16000.00	<0.05	3900.00	150	5700.00	380.00	0.6	550.00	43
57	Metasediment	Waste Rock	48	95	15000.00	<0.05	1800.00	90	4200.00	140.00	0.6	410.00	35
58	Ultramafic	Waste Rock	580	23	17000.00	<0.05	480.00	99	26000.00	210.00	<0.1	110.00	540
59	Ultramafic	Waste Rock	260	230	18000.00	<0.05	190.00	75	11000.00	110.00	<0.1	320.00	190
60	Ultramafic	Waste Rock	900	41	26000.00	<0.05	2800.00	130	54000.00	470.00	<0.1	76.00	970
61	Ultramafic	Waste Rock	570	22	28000.00	<0.05	40.00	83	31000.00	340.00	0.8	85.00	390
62	Ultramafic	Waste Rock	670	63	25000.00	<0.05	390.00	22	30000.00	540.00	0.3	79.00	930
63	barren pegmatite	Waste Rock	6.9	2.5	1300.00	<0.05	1100.00	8	310.00	38.00	0.5	840.00	2.6
64	barren pegmatite	Waste Rock	6.6	1.4	900.00	<0.05	1700.00	62	360.00	92.00	0.5	380.00	3.5
65	barren pegmatite	Waste Rock	2.1	0.8	920.00	<0.05	1800.00	18	71.00	53.00	0.5	400.00	0.7
66	barren pegmatite	Waste Rock	2.5	1.3	1000.00	<0.05	1600.00	27	110.00	46.00	0.6	630.00	1.1
67	barren pegmatite	Waste Rock	1.9	0.7	1100.00	<0.05	1600.00	5	68.00	22.00	0.6	520.00	0.6
68	barren pegmatite	Waste Rock	150	1.2	2200.00	<0.05	3400.00	66	83.00	81.00	0.7	820.00	1.7
69	barren pegmatite	Waste Rock	2.8	4.1	1700.00	<0.05	500.00	46	350.00	120.00	1	1100.00	0.9
70	barren pegmatite	Waste Rock	3.3	92	1800.00	<0.05	630.00	24	220.00	74.00	1	910.00	1.2
71	barren pegmatite	Waste Rock	3.9	1.2	1800.00	<0.05	1200.00	33	450.00	110.00	0.4	740.00	0.4
72	barren pegmatite	Waste Rock	130	4.9	3900.00	<0.05	1300.00	41	910.00	97.00	0.6	1100.00	2.1
73	barren pegmatite	Waste Rock	3.5	1.1	1400.00	<0.05	1400.00	41	47.00	52.00	1.2	420.00	0.9
80	barren pegmatite	Waste Rock	5.1	7.6	3100.00	<0.05	1400.00	52	850.00	150.00	1.1	490.00	4.6
74	Spodumene pegmatite	Ore	2.4	0.6	1600.00	<0.05	910.00	120	44.00	150.00	0.8	570.00	0.4
75	Spodumene pegmatite	Ore	2.5	0.9	1500.00	<0.05	840.00	98	77.00	96.00	0.9	700.00	1.1
76	Spodumene pegmatite	Ore	4.5	1.7	2300.00	<0.05	1000.00	130	650.00	180.00	1	570.00	1.3
77	Spodumene pegmatite	Ore	6.1	1.1	2100.00	<0.05	880.00	300	190.00	530.00	1.6	490.00	1.4
78	Spodumene pegmatite	Ore	4	1.5	2000.00	<0.05	1300.00	106	360.00	290.00	0.5	580.00	0.4
79	Spodumene pegmatite	Ore	2.9	0.4	1200.00	<0.05	1600.00	57	130.00	71.00	0.8	450.00	0.6
81	Spodumene pegmatite	Ore	160	1	1900.00	<0.05	820.00	117	82.00	150.00	1.1	820.00	1.9
82	Spodumene pegmatite	Ore	4.1	4	1700.00	<0.05	1300.00	59	320.00	110.00	0.8	750.00	1
83	DMS Tails	DMS Tailings	79	1.3	1300.00	<0.05	1100.00	20	92.00	44.00	0.2	480.00	2
84	DMS Tails	DMS Tailings	82	1.5	1300.00	<0.05	1100.00	15	88.00	33.00	0.2	470.00	2.1

		Component	P (mg/kg)	Pb (mg/kg)	Sb (mg/kg)	Se (mg/kg)	Sn (mg/kg)	Sr (mg/kg)	Th (mg/kg)	Ti (mg/kg)	U (mg/kg)	V (mg/kg)	Zn (mg/kg)
		Continental crust	436.4	11.0	0.2	2.5	1.7	49.0	5.6	4195.3	1.3	138.0	71.0
		MELCCFP Criteria A for soil quality		40		3	5						150
Sample ID	Lithology	Material Type											
50	Metasediment	Waste Rock	84.00	6.2	12	1	<5	6.8	1.4	290.00	2	24	430
51	Metasediment	Waste Rock	200.00	5.5	<0.8	<0.7	<5	3.5	0.15	120.00	0.42	22	14
52	Metasediment	Waste Rock	200.00	5	<0.8	<0.7	<5	7.5	0.1	380.00	0.83	27	44
53	Metasediment	Waste Rock	360.00	1.3	<0.8	<0.7	<5	9.1	0.14	500.00	0.39	40	22
54	Metasediment	Waste Rock	320.00	4.1	2	<0.7	<5	15	0.32	330.00	0.92	36	31
55	Metasediment	Waste Rock	60.00	0.7	<0.8	<0.7	<5	2.4	0.02	81.00	0.26	11	6.1
56	Amphibolite	Waste Rock	110.00	2	<0.8	<0.7	<5	9.1	<0.02	770.00	0.39	43	33
57	Metasediment	Waste Rock	46.00	1.6	<0.8	<0.7	<5	7.8	0.29	200.00	0.65	27	25
58	Ultramafic	Waste Rock	150.00	1.4	14	<0.7	<5	10	0.51	61.00	0.52	19	12
59	Ultramafic	Waste Rock	140.00	1.3	<0.8	<0.8	<5	8.7	0.11	120.00	0.067	21	9.7
60	Ultramafic	Waste Rock	160.00	1.2	29	<0.7	<5	9.4	3.2	72.00	0.61	25	32
61	Ultramafic	Waste Rock	32.00	0.42	3.7	<0.7	<5	8.6	0.06	170.00	1	36	31
62	Ultramafic	Waste Rock	71.00	0.57	64	<0.7	<5	9.9	0.39	25.00	0.81	17	16
63	barren pegmatite	Waste Rock	350.00	1.7	1.3	<0.7	<5	3.1	1	6.20	2.1	1	4
64	barren pegmatite	Waste Rock	460.00	1.8	1.5	<0.7	<5	4.1	1.8	4.70	0.62	1	2.8
65	barren pegmatite	Waste Rock	210.00	2.1	1.1	<0.7	<5	2.9	1.7	2.00	0.26	1	1.5
66	barren pegmatite	Waste Rock	240.00	1.4	<0.8	<0.7	<5	2.5	1.7	3.90	1.2	1	1.8
67	barren pegmatite	Waste Rock	170.00	0.96	<0.8	<0.7	<5	3.2	1.5	2.30	0.17	1	<0.7
68	barren pegmatite	Waste Rock	220.00	8.8	3.4	<0.7	<5	3.5	2.8	13.00	1.4	1	4.1
69	barren pegmatite	Waste Rock	580.00	2	0.9	<0.7	<5	3	0.54	3.30	4.4	1	5
70	barren pegmatite	Waste Rock	450.00	2.9	1.4	<0.7	<5	3.2	0.66	2.60	1.9	1	31
71	barren pegmatite	Waste Rock	470.00	1.5	2.3	<0.7	<5	4.1	1	7.50	2	1	3.4
72	barren pegmatite	Waste Rock	310.00	11	2.2	<0.7	5	2.2	1.1	31.00	6.1	4	40
73	barren pegmatite	Waste Rock	110.00	1.1	<0.8	<0.7	<5	1.7	0.93	2.50	3.2	1	22
80	barren pegmatite	Waste Rock	570.00	3.9	2.1	<0.7	7	4.8	1.3	16.00	1.2	3	16
74	Spodumene pegmatite	Ore	300.00	1.4	4.3	<0.7	<5	2.3	1.2	3.30	1.5	1	3.5
75	Spodumene pegmatite	Ore	200.00	1.6	2.9	<0.7	<5	2.8	0.97	2.20	1.9	1	23
76	Spodumene pegmatite	Ore	540.00	2.1	<0.8	<0.7	6	6.7	1.2	1.80	0.8	1	5.1
77	Spodumene pegmatite	Ore	1100.00	1.2	1	<0.7	7	5	1.5	4.10	2.2	1	7.4
78	Spodumene pegmatite	Ore	880.00	1.8	1.1	<0.7	<5	4.5	1.3	6.40	1.1	1	4.6
79	Spodumene pegmatite	Ore	210.00	1.6	<0.8	<0.7	<5	3.6	1.4	1.90	1.5	1	2.8
81	Spodumene pegmatite	Ore	300.00	3.2	1.7	<0.7	<5	2	0.79	5.60	1.6	1	6.2
82	Spodumene pegmatite	Ore	570.00	1.9	<0.8	<0.7	10	3.2	1.2	12.00	4.4	2	11
83	DMS Tails	DMS Tailings	210.00	1.9	2.3	<0.1	<5	2.9	1.2	1.30	7.8	1	1.6
84	DMS Tails	DMS Tailings	180.00	1.5	1.4	<0.1	<5	2.4	1.1	0.92	1.5	1	1.6

	Component	Final pH	pH	Alkalinity (mgCaCO3/l)	Alkalinity (mgCaCO3/l)	Conductivity (µS/cm)	Cl^- (mg/l)	Ag (mg/l)	Al (mg/l)	As (mg/l)	B (mg/l)	Ba (mg/l)	Be (mg/l)
	MELCCFP Criteria						320	0.0000	0.280	0.340	28.000	0.10807	0.001
Sample ID	Lithology	Material Type											
1	Amphibolite	Waste Rock	9.45	8.4	22	<2	58	<20	<0.00005	0.933	0.001	0.007	0.00374	<0.000007
2	Amphibolite	Waste Rock	9.25	8.01	20	<2	60	<20	<0.00005	0.815	0.010	0.01	0.00119	<0.000007
3	Amphibolite	Waste Rock	9.51	8.31	25	<2	54	<20	<0.00005	1.03	0.001	0.003	0.00191	<0.000007
4	Amphibolite	Waste Rock	9.57	8.49	16	<2	41	<20	<0.00005	0.797	0.014	0.005	0.0002	0.000011
5	Amphibolite	Waste Rock	9.47	8.22	20	<2	59	<20	<0.00005	0.729	0.119	0.01	0.00073	<0.000007
6	Amphibolite	Waste Rock	9.51	7.76	22	<2	47	<20	<0.00005	0.976	0.001	<0.002	0.00027	<0.000007
7	Amphibolite	Waste Rock	9.53	8.49	23	<2	56	<20	<0.00005	0.849	0.007	0.005	0.00034	0.000007
8	Amphibolite	Waste Rock	9.57	8.42	21	<2	53	<20	<0.00005	1.1	0.001	0.005	0.00021	<0.000007
9	Amphibolite	Waste Rock	9.66	8.66	21	<2	51	<20	<0.00005	1.13	0.001	0.003	0.00017	0.000007
10	Amphibolite	Waste Rock	9.44	8.21	16	<2	51	<20	<0.00005	0.855	0.006	0.008	0.00036	<0.000007
11	Amphibolite	Waste Rock	9.66	8.54	21	<2	50	<20	<0.00005	0.954	0.014	0.012	0.00036	<0.000007
12	Amphibolite	Waste Rock	9.64	8.66	21	<2	52	<20	<0.00005	1.14	0.003	0.006	0.00027	<0.000007
13	Amphibolite	Waste Rock	9.59	8.07	22	<2	56	<20	<0.00005	0.758	0.023	0.011	0.00023	0.000016
14	Amphibolite	Waste Rock	9.61	8.32	21	<2	56	<20	<0.00005	0.858	0.028	0.005	0.00019	0.000007
15	Amphibolite	Waste Rock	9.62	8.44	22	<2	53	<20	<0.00005	1.03	0.003	0.01	0.00039	<0.000007
16	Metasediment	Waste Rock	9.1	7.8	21	<2	85	<20	<0.00005	0.662	0.001	0.004	0.004	<0.000007
17	Amphibolite	Waste Rock	8.42	7.88	22	<2	92	<20	<0.00005	0.601	0.001	0.003	0.00456	<0.000007
18	Amphibolite	Waste Rock	9.35	8.19	21	<2	57	<20	<0.00005	0.987	0.025	0.006	0.00057	0.000008
19	barren pegmatite	Waste Rock	9.47	7.91	21	<2	54	<20	<0.00005	1.14	0.001	0.003	0.00036	<0.000007
20	Amphibolite	Waste Rock	7.71	7.66	26	<2	196	<20	<0.00005	0.01	0.000	0.004	0.08432	<0.000007
21	Amphibolite	Waste Rock	9.57	8.23	24	<2	54	<20	<0.00005	0.88	0.027	0.006	0.00531	<0.000007
22	Amphibolite	Waste Rock	9.52	8.35	23	<2	54	<20	<0.00005	0.627	0.101	0.006	0.00021	<0.000007
23	Metasediment	Waste Rock	8.26	7.73	17	<2	131	<20	<0.00005	0.028	0.000	0.006	0.00494	<0.000007
24	Amphibolite	Waste Rock	9.53	8.19	22	<2	52	<20	<0.00005	1.15	0.003	0.003	0.01002	<0.000007
25	Metasediment	Waste Rock	9.32	8.44	20	<2	53	<20	<0.00005	0.542	0.024	0.062	0.00816	<0.000007
26	Amphibolite	Waste Rock	9.51	8.43	21	<2	50	<20	<0.00005	1.04	0.001	0.007	0.00056	<0.000007
27	Amphibolite	Waste Rock	9.33	8.07	23	<2	67	<20	<0.00005	0.712	0.010	0.01	0.00043	<0.000007
28	Amphibolite	Waste Rock	NA	8.05	21	<2	50	<20	<0.00005	0.53	0.043	<0.02	0.0008	<0.000007
29	Amphibolite	Waste Rock	NA	8.14	29	<2	64	<20	<0.00005	0.53	0.040	<0.02	0.0009	<0.000007
30	Amphibolite	Waste Rock	NA	8.91	22	<2	48	<20	<0.00005	0.69	0.002	<0.02	0.0008	<0.000007
31	Metasediment	Waste Rock	9.44	8.02	20	<2	52	<20	<0.00005	1.2	0.045	0.011	0.00148	0.000011
32	Amphibolite	Waste Rock	9.6	8.29	23	<2	52	<20	<0.00005	0.926	0.002	0.003	0.001	<0.000007
33	Amphibolite	Waste Rock	9.51	8.28	22	<2	53	<20	<0.00005	0.891	0.004	0.005	0.00122	<0.000007
34	Metasediment	Waste Rock	9.49	7.91	22	<2	50	<20	<0.00005	1.12	0.052	0.009	0.00134	0.000008
35	Metasediment	Waste Rock	9.57	7.88	23	<2	50	<20	<0.00005	1.05	0.010	0.005	0.00285	<0.000007
36	Ultramafic	Waste Rock	9.46	8.44	25	<2	55	<20	<0.00005	0.078	0.343	0.076	0.00259	<0.000007
37	Amphibolite	Waste Rock	9.24	7.87	25	<2	66	<20	<0.00005	0.799	0.819	0.094	0.00057	0.000013
38	Metasediment	Waste Rock	8.75	7.18	6	<2	27	<20	<0.00005	0.285	0.005	0.007	0.00064	0.00006
39	Metasediment	Waste Rock	9.14	7.62	17	<2	55	<20	<0.00005	0.672	0.039	0.005	0.00095	<0.000007
40	Metasediment	Waste Rock	9.23	7.76	18	<2	51	<20	<0.00005	0.838	0.009	0.009	0.00107	<0.000007
41	Metasediment	Waste Rock	9.26	7.68	16	<2	51	<20	<0.00005	0.686	0.002	0.009	0.00091	<0.000007
42	Metasediment	Waste Rock	9	7.66	18	<2	72	<20	<0.00005	0.6	0.001	0.006	0.00106	<0.000007
43	Metasediment	Waste Rock	8.98	7.78	21	<2	78	<20	<0.00005	0.738	0.001	0.011	0.00198	<0.000007
44	Metasediment	Waste Rock	9.12	7.84	21	<2	45	<20	<0.00005	0.929	0.004	0.002	0.00209	0.000042
45	Metasediment	Waste Rock	9.23	7.75	18	<2	45	<20	<0.00005	0.906	0.001	<0.002	0.00238	<0.000007
46	Metasediment	Waste Rock	9.29	7.82	21	<2	48	<20	<0.00005	0.956	0.002	0.002	0.00294	<0.000007
47	Metasediment	Waste Rock	9.1	7.67	17	<2	53	<20	<0.00005	0.703	0.002	0.002	0.00478	<0.000007
48	Metasediment	Waste Rock	NA	8.52	24	<2	52	<20	<0.00005	0.67	0.012	<0.02	0.0008	<0.000007

	Component	Bi (mg/l)	Ca (mg/l)	Cd (mg/l)	Co (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Hg (mg/l)	K (mg/l)	Li (mg/l)	Mg (mg/l)	Mn (mg/l)	Mo (mg/l)	Na (mg/l)
	MELCCFP Criteria			0.000	0.370	0.016	0.002	3.400	0.002		0.910		0.551	29.000	
Sample ID	Lithology	Material Type													
1	Amphibolite	Waste Rock	0.00002	6.11	<0.000003	0.000026	0.00025	0.0002	0.028	<0.00001	6.04	0.0504	0.575	0.00114	0.00011	0.79
2	Amphibolite	Waste Rock	<0.00001	7.1	<0.000003	0.000037	0.00028	0.0002	0.047	<0.00001	2.5	0.0421	0.955	0.00121	0.00058	1.7
3	Amphibolite	Waste Rock	<0.00001	7.89	<0.000003	0.000014	<0.00008	0.0002	0.016	<0.00001	1.33	0.0189	0.72	0.00109	0.00014	1.05
4	Amphibolite	Waste Rock	0.00004	4.99	<0.000003	0.000061	0.00048	0.0008	0.069	<0.00001	0.474	0.0252	1.18	0.00173	0.00025	1.19
5	Amphibolite	Waste Rock	<0.00001	7.84	<0.000003	0.000035	0.00037	0.0002	0.023	<0.00001	1.22	0.0852	1.04	0.00135	0.00013	0.91
6	Amphibolite	Waste Rock	<0.00001	8.02	<0.000003	0.000007	0.00024	<0.0002	<0.007	<0.00001	0.254	0.0118	0.696	0.00141	0.0002	0.77
7	Amphibolite	Waste Rock	<0.00001	7.9	<0.000003	0.000025	<0.00008	0.0003	0.011	<0.00001	0.868	0.0147	0.931	0.00074	0.00049	1.48
8	Amphibolite	Waste Rock	0.00002	7.55	<0.000003	0.000061	0.0003	0.0004	0.08	<0.00001	0.199	0.0134	0.947	0.00185	0.00014	1.5
9	Amphibolite	Waste Rock	0.00002	7.66	<0.000003	0.000042	0.00025	0.0003	0.055	<0.00001	0.355	0.0017	0.792	0.00141	0.0001	1.12
10	Amphibolite	Waste Rock	<0.00001	7.35	<0.000003	0.000034	0.00009	0.0003	0.066	<0.00001	0.408	0.0153	0.849	0.001	0.00031	1.07
11	Amphibolite	Waste Rock	<0.00001	7.28	<0.000003	0.000014	<0.00008	<0.0002	0.01	<0.00001	0.523	0.0283	0.847	0.00055	0.00012	0.91
12	Amphibolite	Waste Rock	0.00002	7.94	<0.000003	0.000035	0.00019	0.0004	0.026	<0.00001	0.692	0.0048	0.838	0.00142	0.00027	1.14
13	Amphibolite	Waste Rock	<0.00001	7.01	0.000003	0.000013	0.00008	0.0003	0.013	<0.00001	0.843	0.0302	0.659	0.00039	0.00017	2.04
14	Amphibolite	Waste Rock	<0.00001	7.09	<0.000003	0.000013	0.00008	<0.0002	0.01	<0.00001	0.197	0.0099	0.703	0.00051	0.00044	2.63
15	Amphibolite	Waste Rock	<0.00001	7.36	<0.000003	0.000008	<0.00008	<0.0002	<0.007	<0.00001	0.912	0.0103	0.8	0.00071	0.00016	1.22
16	Metasediment	Waste Rock	0.00001	11.1	0.000004	0.000037	<0.00008	0.0002	0.024	<0.00001	3.19	0.0555	0.789	0.00387	0.00079	1.55
17	Amphibolite	Waste Rock	<0.00001	11.6	<0.000003	0.000037	0.00013	<0.0002	0.024	<0.00001	4.82	0.0353	0.77	0.00222	0.00037	1.16
18	Amphibolite	Waste Rock	<0.00001	7.82	<0.000003	0.000034	0.00021	<0.0002	0.034	<0.00001	1.24	0.0238	0.876	0.00097	0.00072	1.29
19	barren pegmatite	Waste Rock	<0.00001	8.05	<0.000003	0.000044	0.0004	0.0007	0.034	<0.00001	0.192	0.0045	0.625	0.0017	0.00019	1.41
20	Amphibolite	Waste Rock	0.00002	26.7	<0.000003	0.000514	<0.00008	<0.0002	<0.007	<0.00001	10.5	0.0637	1.35	0.0358	0.00029	0.96
21	Amphibolite	Waste Rock	<0.00001	7.12	<0.000003	0.000011	0.00014	<0.0002	0.008	<0.00001	2.45	0.0108	0.823	0.00056	0.00017	0.84
22	Amphibolite	Waste Rock	<0.00001	7.3	<0.000003	0.000015	0.00026	<0.0002	0.013	<0.00001	0.369	0.0328	1.08	0.00043	0.00048	1.87
23	Metasediment	Waste Rock	<0.00001	17.8	<0.000003	0.000397	<0.00008	<0.0002	<0.007	<0.00001	2.7	0.0367	2.22	0.04418	0.00134	1.62
24	Amphibolite	Waste Rock	0.00001	6.1	<0.000003	0.000027	0.00011	0.0003	0.065	<0.00001	3.47	0.0089	0.489	0.00093	0.00031	1.5
25	Metasediment	Waste Rock	<0.00001	5.53	<0.000003	0.000024	0.00084	<0.0002	0.024	<0.00001	5.28	0.0308	0.84	0.00044	0.00054	0.54
26	Amphibolite	Waste Rock	<0.00001	7.38	<0.000003	0.000014	0.00022	<0.0002	0.037	<0.00001	0.586	0.0248	0.851	0.00079	0.00045	1
27	Amphibolite	Waste Rock	<0.00001	9.18	0.000008	0.000021	0.00018	<0.0002	0.016	<0.00001	0.693	0.0102	0.76	0.00098	0.00042	2.6
28	Amphibolite	Waste Rock	<0.00001	8	0.00005	0.00005	<0.00008	0.002	<0.007	<0.00001	0.94	0.046	0.79	0.0017	0.001	1.2
29	Amphibolite	Waste Rock	<0.00001	9.8	0.00004	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	2.2	0.08	0.84	0.0008	0.0007	1.7
30	Amphibolite	Waste Rock	<0.00001	7.8	0.00003	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	0.85	0.019	0.58	0.0007	<0.0004	1.3
31	Metasediment	Waste Rock	<0.00001	5.39	<0.000003	0.000034	<0.00008	<0.0002	0.051	<0.00001	5.09	0.109	0.394	0.00172	0.00037	1.25
32	Amphibolite	Waste Rock	<0.00001	7.62	<0.000003	0.000014	<0.00008	<0.0002	0.017	<0.00001	0.881	0.0084	0.822	0.00078	0.00038	1.17
33	Amphibolite	Waste Rock	<0.00001	7.89	<0.000003	0.000007	<0.00008	<0.0002	0.008	0.00011	1.14	0.0196	0.661	0.0008	0.00043	1.21
34	Metasediment	Waste Rock	<0.00001	5.67	<0.000003	0.000039	<0.00008	<0.0002	0.047	<0.00001	4.78	0.133	0.355	0.00153	0.00029	1.13
35	Metasediment	Waste Rock	<0.00001	5.34	<0.000003	0.000018	0.00011	0.0007	0.038	0.00002	6.01	0.0814	0.425	0.00123	0.00023	0.83
36	Ultramafic	Waste Rock	<0.00001	6.85	<0.000003	0.00002	0.00388	<0.0002	<0.007	<0.00001	0.66	0.019	2.42	0.0002	0.00032	0.81
37	Amphibolite	Waste Rock	<0.00001	10.5	<0.000003	0.000021	<0.00008	<0.0002	<0.007	<0.00001	2.22	0.0739	0.692	0.0014	0.0031	0.73
38	Metasediment	Waste Rock	<0.00001	2	<0.000003	0.000032	<0.00008	0.0003	0.042	<0.00001	1.39	0.0485	0.374	0.00352	0.00072	2.2
39	Metasediment	Waste Rock	<0.00001	7.49	<0.000003	0.00002	0.00012	<0.0002	0.02	<0.00001	1.96	0.0548	0.766	0.0012	0.00093	1.55
40	Metasediment	Waste Rock	<0.00001	7.32	<0.000003	0.000018	0.00008	<0.0002	0.021	<0.00001	1.62	0.0674	0.369	0.00107	0.00062	2.16
41	Metasediment	Waste Rock	<0.00001	6.43	<0.000003	0.000017	<0.00008	<0.0002	0.016	<0.00001	2.48	0.0278	0.532	0.00095	0.00068	2.1
42	Metasediment	Waste Rock	<0.00001	10.4	<0.000003	0.00002	<0.00008	0.0004	0.012	<0.00001	2.61	0.0283	0.923	0.00281	0.00085	1.73
43	Metasediment	Waste Rock	<0.00001	10.1	<0.000003	0.000012	<0.00008	0.0002	0.014	<0.00001	4.31	0.0399	0.725	0.00109	0.0009	2.07
44	Metasediment	Waste Rock	<0.00001	6.8	<0.000003	0.000018	0.00015	0.0003	0.015	<0.00001	2.3	0.0299	0.177	0.00114	0.00035	1.75
45	Metasediment	Waste Rock	<0.00001	6.38	<0.000003	0.000027	0.00023	0.0002	0.032	<0.00001	3.29	0.0027	0.164	0.00155	0.00034	1.51
46	Metasediment	Waste Rock	<0.00001	6.47	<0.000003	0.000018	0.00011	0.0002	0.028	<0.00001	4.48	0.0037	0.182	0.00134	0.00022	1.41
47	Metasediment	Waste Rock	<0.00001	6.26	<0.000003	0.000045	0.00008	<0.0002	0.051	<0.00001	4.81	0.0108	0.532	0.00185	0.00056	1.42
48	Metasediment	Waste Rock	<0.00001	7.9	< 0.00003	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	0.22	0.047	0.88	0.0004	0.0007	1.8

	Component	Ni (mg/l)	P (mg/l)	Pb (mg/l)	Sb (mg/l)	Se (mg/l)	Si (mg/l)	Sn (mg/l)	Sr (mg/l)	Th (mg/l)	Ti (mg/l)	U (mg/l)	V (mg/l)	Zn (mg/l)
	MELCCFP Criteria	0.067		0.004	1.100	0.062			40.000	0.047		0.320	0.110	0.017
Sample ID	Lithology	Material Type												
1	Amphibolite	Waste Rock	0.0002	0.012	<0.00009	0.0009	0.00008	2.04	<0.00006	0.0123	<0.000005	0.00196	<0.000002	0.00619	<0.002
2	Amphibolite	Waste Rock	0.0003	0.009	<0.00009	0.0051	0.00037	1.9	<0.00006	0.0172	<0.000005	0.00197	0.000008	0.00405	<0.002
3	Amphibolite	Waste Rock	0.0001	0.008	<0.00009	0.0009	0.00012	2.34	<0.00006	0.00823	<0.000005	0.0005	0.000006	0.00787	<0.002
4	Amphibolite	Waste Rock	0.0002	0.017	0.00021	0.0017	<0.00004	3.01	0.00007	0.00474	<0.000005	0.00202	0.000029	0.00423	<0.002
5	Amphibolite	Waste Rock	0.0003	0.013	<0.00009	0.0334	0.00014	2.08	<0.00006	0.0129	0.00003	0.00064	0.000003	0.00406	<0.002
6	Amphibolite	Waste Rock	<0.0001	0.012	<0.00009	0.0009	0.0001	2.06	<0.00006	0.00825	<0.000005	0.00007	0.000039	0.0057	<0.002
7	Amphibolite	Waste Rock	0.0002	0.008	<0.00009	0.0038	0.00034	2.36	<0.00006	0.0124	<0.000005	0.00026	0.00003	0.00662	<0.002
8	Amphibolite	Waste Rock	0.0003	0.011	<0.00009	0.0009	0.00014	2.58	<0.00006	0.00734	<0.000005	0.00306	0.00002	0.00507	<0.002
9	Amphibolite	Waste Rock	0.0003	0.014	<0.00009	0.0009	0.00007	2.86	<0.00006	0.00405	<0.000005	0.00209	0.000002	0.00578	<0.002
10	Amphibolite	Waste Rock	0.0002	0.021	<0.00009	0.0056	0.00027	2.18	<0.00006	0.00734	<0.000005	0.00217	0.000013	0.00483	<0.002
11	Amphibolite	Waste Rock	<0.0001	0.006	<0.00009	0.0099	0.00011	2.49	<0.00006	0.00882	<0.000005	0.00031	0.000002	0.00515	<0.002
12	Amphibolite	Waste Rock	0.0005	0.01	<0.00009	0.0012	0.00016	2.69	<0.00006	0.0105	<0.000005	0.00084	0.000023	0.00623	<0.002
13	Amphibolite	Waste Rock	0.0001	0.008	<0.00009	0.0062	0.00005	2.24	<0.00006	0.0296	0.000009	0.00069	0.000005	0.00867	<0.002
14	Amphibolite	Waste Rock	0.0001	0.006	<0.00009	0.0052	0.00008	2.59	<0.00006	0.00868	<0.000005	0.0004	0.000004	0.00968	<0.002
15	Amphibolite	Waste Rock	0.0001	0.005	<0.00009	0.0015	0.00019	2.39	<0.00006	0.00909	<0.000005	0.00019	0.000031	0.00599	<0.002
16	Metasediment	Waste Rock	0.0004	0.009	0.00074	0.0039	0.00028	1.33	<0.00006	0.0149	<0.000005	0.00095	0.000011	0.00061	<0.002
17	Amphibolite	Waste Rock	0.0005	0.006	<0.00009	0.0172	0.00005	1.35	<0.00006	0.0146	<0.000005	0.00089	0.000004	0.00072	<0.002
18	Amphibolite	Waste Rock	0.0002	0.006	<0.00009	0.0087	0.00031	2.6	<0.00006	0.0112	<0.000005	0.00106	0.000025	0.00688	<0.002
19	barren pegmatite	Waste Rock	0.0004	0.008	<0.00009	0.0009	0.0001	2.9	<0.00006	0.0097	<0.000005	0.00166	0.000004	0.00596	<0.002
20	Amphibolite	Waste Rock	0.0046	0.004	<0.00009	0.0009	0.00018	1.19	<0.00006	0.02	<0.000005	0.00005	0.000003	0.00002	<0.002
21	Amphibolite	Waste Rock	0.0001	0.009	<0.00009	0.0009	0.00009	2.57	<0.00006	0.0133	<0.000005	0.00028	0.00001	0.0049	<0.002
22	Amphibolite	Waste Rock	0.0002	0.02	<0.00009	0.0083	0.00005	2.28	<0.00006	0.015	<0.000005	0.00056	0.000008	0.00592	<0.002
23	Metasediment	Waste Rock	0.0036	0.003	<0.00009	0.0036	0.00024	1.28	<0.00006	0.0213	<0.000005	0.00008	0.00002	0.00005	<0.002
24	Amphibolite	Waste Rock	0.0002	0.024	<0.00009	0.0009	<0.00004	2.16	<0.00006	0.0133	<0.000005	0.00241	0.000057	0.0038	<0.002
25	Metasediment	Waste Rock	0.0002	0.011	<0.00009	0.0016	<0.00004	2.59	<0.00006	0.0125	0.000007	0.00138	0.000015	0.00338	<0.002
26	Amphibolite	Waste Rock	0.0002	0.007	<0.00009	0.0014	0.00006	2.52	<0.00006	0.00609	<0.000005	0.00051	0.000002	0.00482	<0.002
27	Amphibolite	Waste Rock	0.0002	0.012	<0.00009	0.0036	0.00059	2.39	<0.00006	0.017	<0.000005	0.00061	0.000041	0.00975	<0.002
28	Amphibolite	Waste Rock	<0.0001	0.019	<0.00009	0.033	0.0015	2.14	<0.00006	0.0135	<0.000005	0.0012	0.00004	0.00483	<0.002
29	Amphibolite	Waste Rock	<0.0001	0.015	<0.00009	0.072	0.0012	1.44	<0.00006	0.0363	<0.000005	0.0006	<0.000002	0.00422	<0.002
30	Amphibolite	Waste Rock	<0.0001	0.01	<0.00009	<0.0009	0.0008	2.15	<0.00006	0.0111	<0.000005	<0.00005	<0.000002	0.00588	<0.002
31	Metasediment	Waste Rock	0.0002	0.032	<0.00009	0.0061	<0.00004	1.98	<0.00006	0.0167	0.000127	0.00442	0.000073	0.00541	<0.002
32	Amphibolite	Waste Rock	<0.0001	0.009	<0.00009	0.0009	<0.00004	2.54	<0.00006	0.00682	<0.000005	0.00042	0.000011	0.00717	<0.002
33	Amphibolite	Waste Rock	0.0001	0.009	<0.00009	0.0017	0.00006	2.09	<0.00006	0.00754	<0.000005	0.00027	0.000008	0.00733	<0.002
34	Metasediment	Waste Rock	0.0003	0.019	<0.00009	0.0102	0.00006	1.87	<0.00006	0.00769	0.000192	0.0029	0.000052	0.00305	<0.002
35	Metasediment	Waste Rock	0.0001	0.022	<0.00009	0.0011	0.00007	2	<0.00006	0.00693	<0.000005	0.00287	0.000032	0.00357	<0.002
36	Ultramafic	Waste Rock	0.0003	0.008	<0.00009	0.144	0.00006	4.61	<0.00006	0.0142	0.000033	0.00009	<0.000002	0.00506	<0.002
37	Amphibolite	Waste Rock	0.0004	0.023	<0.00009	0.156	0.00029	1.53	<0.00006	0.0115	0.000195	0.00034	0.000088	0.00367	<0.002
38	Metasediment	Waste Rock	0.0001	0.012	<0.00009	0.0026	0.00006	1.33	0.00007	0.00734	0.000039	0.00238	0.000018	0.00125	<0.002
39	Metasediment	Waste Rock	0.0002	0.008	0.0001	0.0223	0.00023	1.81	<0.00006	0.0131	0.000021	0.00091	0.000003	0.00294	<0.002
40	Metasediment	Waste Rock	0.0001	0.006	<0.00009	0.0165	0.00005	1.65	<0.00006	0.012	<0.000005	0.00128	0.000049	0.0028	<0.002
41	Metasediment	Waste Rock	0.0002	0.007	<0.00009	0.0009	0.00005	1.89	<0.00006	0.014	<0.000005	0.00083	<0.000002	0.00229	<0.002
42	Metasediment	Waste Rock	0.0002	0.006	<0.00009	0.001	0.00008	1.43	<0.00006	0.0184	<0.000005	0.0008	<0.000002	0.00085	<0.002
43	Metasediment	Waste Rock	0.0002	0.007	<0.00009	0.0009	0.00006	1.44	<0.00006	0.0207	<0.000005	0.00071	<0.000002	0.00147	<0.002
44	Metasediment	Waste Rock	0.0002	0.024	<0.00009	0.0009	<0.00004	2.22	<0.00006	0.0102	<0.000005	0.00163	0.000237	0.00485	<0.002
45	Metasediment	Waste Rock	0.0002	0.03	<0.00009	0.0009	<0.00004	2.19	<0.00006	0.0116	<0.000005	0.00278	0.000273	0.00502	<0.002
46	Metasediment	Waste Rock	0.0001	0.021	<0.00009	0.0009	<0.00004	2.12	<0.00006	0.012	<0.000005	0.00228	0.000282	0.00505	<0.002
47	Metasediment	Waste Rock	0.0002	0.012	0.00013	0.0009	0.00036	1.7	<0.00006	0.00622	<0.000005	0.00402	0.000044	0.00192	<0.002
48	Metasediment	Waste Rock	<0.0001	0.003	<0.00009	<0.0009	<0.00004	1.48	<0.00006	0.0204	<0.000005	<0.00005	<0.00002	0.00996	<0.002

		Component	Final pH	pH	Alkalinity (mgCaCO3/l)	Alkalinity (mgCaCO3/l)	Conductivity (µS/cm)	Cl^- (mg/l)	Ag (mg/l)	Al (mg/l)	As (mg/l)	B (mg/l)	Ba (mg/l)	Be (mg/l)
		MELCCFP Criteria						320	0.0000	0.280	0.340	28.000	0.10807	0.001
Sample ID	Lithology	Material Type												
49	Metasediment	Waste Rock	9.1	7.82	21	<2	49	<20	<0.00005	0.895	0.019	0.01	0.00109	<0.000007
50	Metasediment	Waste Rock	8.97	7.73	22	<2	73	<20	<0.00005	0.788	0.062	0.004	0.0009	<0.000007
51	Metasediment	Waste Rock	8.89	7.73	13	<2	48	<20	<0.00005	0.641	0.009	0.003	0.00081	<0.000007
52	Metasediment	Waste Rock	9.25	8	22	<2	50	<20	<0.00005	0.874	0.002	0.005	0.00128	<0.000007
53	Metasediment	Waste Rock	9.35	7.84	21	<2	54	<20	<0.00005	0.768	0.870	0.002	0.00772	<0.000007
54	Metasediment	Waste Rock	NA	8.43	21	<2	50	<20	<0.00005	0.74	0.018	<0.02	0.0008	<0.000007
55	Metasediment	Waste Rock	9.32	7.88	21	<2	49	<20	<0.00005	0.261	0.081	0.002	0.00318	<0.000007
56	Amphibolite	Waste Rock	9.44	8.44	23	<2	50	<20	<0.00005	0.688	0.008	0.007	0.00304	<0.000007
57	Metasediment	Waste Rock	9.43	7.77	21	<2	51	<20	<0.00005	0.47	0.002	0.006	0.00563	<0.000007
58	Ultramafic	Waste Rock	9.53	8.25	26	<2	59	<20	<0.00005	0.042	0.300	0.027	0.00052	<0.000007
59	Ultramafic	Waste Rock	9.27	8.65	23	<2	52	<20	<0.00005	0.162	0.173	0.005	0.00029	<0.000007
60	Ultramafic	Waste Rock	9.53	9.15	32	<2	64	<20	<0.00005	0.013	0.241	0.016	0.00098	<0.000007
61	Ultramafic	Waste Rock	9.42	8.14	22	<2	49	<20	<0.00005	0.125	0.027	0.065	0.00022	<0.000007
62	Ultramafic	Waste Rock	9.47	9.01	42	<2	61	<20	<0.00005	0.01	1.170	0.012	0.00083	<0.000007
63	barren pegmatite	Waste Rock	8.83	7.99	16	<2	43	<20	<0.00005	0.675	0.057	0.02	0.00018	0.000187
64	barren pegmatite	Waste Rock	8.8	7.58	13	<2	37	<20	<0.00005	0.721	0.071	0.009	0.00051	0.00009
65	barren pegmatite	Waste Rock	8.55	7.64	9	<2	28	<20	<0.00005	0.442	0.044	0.006	0.00126	0.000066
66	barren pegmatite	Waste Rock	8.24	7.24	7	<2	24	<20	<0.00005	0.311	0.050	0.007	0.00022	0.000123
67	barren pegmatite	Waste Rock	7.23	7.05	4	<2	19	<20	<0.00005	0.164	0.009	0.005	0.00016	0.00008
68	barren pegmatite	Waste Rock	NA	7.74	11	<2	30	<20	<0.00005	0.4	0.066	<0.02	0.0008	0.00016
69	barren pegmatite	Waste Rock	9.3	7.5	16	<2	52	<20	<0.00005	0.754	0.030	0.016	0.00024	0.000546
70	barren pegmatite	Waste Rock	9	7.69	17	<2	46	<20	<0.00005	0.529	0.031	0.007	0.00025	0.000545
71	barren pegmatite	Waste Rock	NA	7.07	6	<2	21	<20	<0.00005	0.16	0.091	<0.02	0.0008	0.00007
72	barren pegmatite	Waste Rock	NA	8.15	17	<2	39	<20	<0.00005	0.89	0.016	0.05	0.0008	0.00017
73	barren pegmatite	Waste Rock	8.41	6.87	6	<2	22	<20	<0.00005	0.218	0.023	0.007	0.00038	0.000038
74	Spodumene pegmatite	Ore	8.01	7.04	5	<2	20	<20	<0.00005	0.131	0.128	0.009	0.00015	0.000032
75	Spodumene pegmatite	Ore	8.94	7.81	13	<2	32	<20	<0.00005	0.716	0.063	0.009	0.00016	0.000238
76	Spodumene pegmatite	Ore	9.15	7.78	21	<2	48	<20	<0.00005	0.803	0.014	0.011	0.00039	0.000122
77	Spodumene pegmatite	Ore	8.12	7.37	10	<2	27	<20	<0.00005	0.505	0.022	0.009	0.00028	0.00018
78	Spodumene pegmatite	Ore	NA	8.39	17	<2	42	21	<0.00005	0.54	0.033	<0.02	0.0008	0.00013
79	Spodumene pegmatite	Ore	7.82	7.08	8	<2	26	<20	<0.00005	0.419	0.020	0.004	0.00025	0.000095
80	barren pegmatite	Waste Rock	8.43	7.35	13	<2	36	<20	<0.00005	0.559	0.053	0.014	0.00033	0.000175
81	Spodumene pegmatite	Ore	7.78	7.27	8	<2	25	<20	<0.00005	0.19	0.069	<0.02	0.0008	<0.000007
82	Spodumene pegmatite	Ore	9.21	8.05	23	<2	49	<20	<0.00005	1.23	0.012	0.01	0.00024	0.000127
83	DMS Tails	DMS Tailings	8.17	6.46	4	<2	21	<20	<0.00005	0.12	0.016	<0.02	0.00028	<0.000007
84	DMS Tails	DMS Tailings	7.88	6.75	4	<2	16	<20	<0.00005	0.27	0.012	<0.02	0.00085	0.00008

		Component	Bi (mg/l)	Ca (mg/l)	Cd (mg/l)	Co (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Hg (mg/l)	K (mg/l)	Li (mg/l)	Mg (mg/l)	Mn (mg/l)	Mo (mg/l)	Na (mg/l)
		MELCCFP Criteria			0.000	0.370	0.016	0.002	3.400	0.002		0.910		0.551	29.000	
Sample ID	Lithology	Material Type														
49	Metasediment	Waste Rock	<0.00001	4.73	<0.000003	0.000025	<0.00008	0.0004	0.045	<0.00001	6.49	0.207	0.435	0.0015	0.00027	0.89
50	Metasediment	Waste Rock	<0.00001	8.93	<0.000003	0.000056	0.00008	<0.0002	0.011	<0.00001	4.48	0.08	0.587	0.00117	0.00169	1.56
51	Metasediment	Waste Rock	<0.00001	6.17	<0.000003	0.000018	<0.00008	<0.0002	0.014	<0.00001	1.66	0.0363	0.597	0.0025	0.00086	2.2
52	Metasediment	Waste Rock	<0.00001	7.49	<0.000003	0.000011	0.00008	<0.0002	0.019	<0.00001	2.84	0.0368	0.535	0.00138	0.0006	1.18
53	Metasediment	Waste Rock	0.00001	6.34	<0.000003	0.000011	<0.00008	<0.0002	0.027	<0.00001	5.94	0.0324	0.359	0.00172	0.00034	0.94
54	Metasediment	Waste Rock	<0.0001	7.3	< 0.00003	<0.00004	<0.00008	<0.0002	0.13	<0.00001	2.33	0.056	0.33	0.0017	0.0005	1.3
55	Metasediment	Waste Rock	<0.00001	7.33	<0.000003	0.000019	0.00141	<0.0002	0.008	<0.00001	0.824	0.0077	1.51	0.00049	0.00028	0.52
56	Amphibolite	Waste Rock	<0.00001	6.95	<0.000003	0.000013	<0.00008	0.0003	<0.007	<0.00001	3.81	0.0267	0.696	0.0008	0.00019	0.83
57	Metasediment	Waste Rock	<0.00001	7.14	<0.000003	0.000018	0.00015	<0.0002	0.019	<0.00001	3.31	0.0301	0.802	0.00084	0.00031	0.98
58	Ultramafic	Waste Rock	<0.00001	7.35	<0.000003	0.000016	0.00293	<0.0002	<0.007	<0.00001	0.455	0.0099	3.18	0.00018	0.00017	0.81
59	Ultramafic	Waste Rock	<0.00001	7.1	<0.000003	0.000022	0.00326	<0.0002	0.016	<0.00001	0.394	0.0141	2.19	0.00065	0.00019	0.79
60	Ultramafic	Waste Rock	<0.00001	6.46	<0.000003	0.000016	0.00261	<0.0002	<0.007	<0.00001	1.7	0.0295	4.85	0.00044	0.00034	0.31
61	Ultramafic	Waste Rock	<0.00001	7.46	<0.000003	0.000008	0.00037	<0.0002	<0.007	<0.00001	0.319	0.0025	1.8	0.00041	0.00028	0.49
62	Ultramafic	Waste Rock	<0.00001	7.93	<0.000003	0.00003	0.00278	<0.0002	<0.007	<0.00001	0.333	0.0018	3.6	0.00036	0.00061	0.18
63	barren pegmatite	Waste Rock	0.00133	5.86	<0.000003	0.000015	0.00017	0.0002	<0.007	<0.00001	2.49	0.009	0.114	0.00383	0.00126	2.3
64	barren pegmatite	Waste Rock	<0.00001	4.23	<0.000003	0.000008	<0.00008	<0.0002	<0.007	<0.00001	3.79	0.0629	0.139	0.00914	0.00042	1.01
65	barren pegmatite	Waste Rock	0.00022	3.44	<0.000003	0.00002	<0.00008	0.0002	<0.007	<0.00001	2.92	0.0242	0.082	0.01122	0.00078	0.91
66	barren pegmatite	Waste Rock	0.00006	2.26	<0.000003	0.000039	0.00009	0.0002	<0.007	<0.00001	2.26	0.0172	0.063	0.00675	0.00056	1.44
67	barren pegmatite	Waste Rock	0.00026	1.2	<0.000003	0.000039	0.00012	<0.0002	<0.007	<0.00001	2.8	0.0055	0.054	0.00566	0.00055	1.23
68	barren pegmatite	Waste Rock	0.0004	4.5	< 0.00003	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	1.86	0.045	0.05	0.0276	<0.0004	0.8
69	barren pegmatite	Waste Rock	0.0008	6.34	<0.000003	0.000016	<0.00008	0.0003	0.007	<0.00001	0.987	0.0394	0.164	0.00207	0.00073	2.82
70	barren pegmatite	Waste Rock	0.00016	7.09	0.000031	0.000083	<0.00008	0.0036	0.01	<0.00001	0.922	0.0186	0.249	0.00329	0.00088	2.26
71	barren pegmatite	Waste Rock	<0.00001	1.8	0.00003	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	1.26	0.024	0.13	0.0072	0.0006	2
72	barren pegmatite	Waste Rock	<0.00001	6.6	< 0.00003	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	1.21	0.018	0.14	0.0016	0.0006	1.4
73	barren pegmatite	Waste Rock	0.00006	2	<0.000003	0.000022	<0.00008	0.0002	<0.007	<0.00001	2.69	0.063	0.022	0.0198	0.00062	0.92
74	Spodumene pegmatite	Ore	<0.00001	1.3	<0.000003	0.000008	<0.00008	<0.0002	<0.007	<0.00001	2.4	0.169	0.031	0.04757	0.00052	0.9
75	Spodumene pegmatite	Ore	0.00619	5.48	<0.000003	0.000006	<0.00008	<0.0002	<0.007	<0.00001	1.18	0.141	0.072	0.02445	0.0003	1.41
76	Spodumene pegmatite	Ore	0.00057	6.01	<0.000003	0.000026	0.0003	<0.0002	0.012	<0.00001	3.12	0.159	0.278	0.00259	0.0009	1.75
77	Spodumene pegmatite	Ore	0.00018	3.34	<0.000003	0.000007	<0.00008	<0.0002	<0.007	<0.00001	1.81	0.366	0.098	0.06045	0.00042	0.93
78	Spodumene pegmatite	Ore	0.001	5.8	0.00007	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	1.9	0.131	0.28	0.005	0.0009	1.6
79	Spodumene pegmatite	Ore	0.00021	2.86	0.000003	0.00004	<0.00008	<0.0002	0.008	<0.00001	3.51	0.0598	0.103	0.01085	0.00035	0.87
80	barren pegmatite	Waste Rock	0.00079	4.32	<0.000003	0.000073	<0.00008	0.0004	0.017	<0.00001	3.48	0.0493	0.302	0.00948	0.00045	1.57
81	Spodumene pegmatite	Ore	<0.00001	2.3	< 0.00003	<0.00004	<0.00008	<0.0002	<0.007	<0.00001	1.58	0.223	0.05	0.0248	0.0009	1.7
82	Spodumene pegmatite	Ore	0.00015	5.23	0.000003	0.000031	<0.00008	0.0003	0.01	<0.00001	5.5	0.103	0.1	0.00281	0.00037	2.72
83	DMS Tails	DMS Tailings	0.00005	1.6	< 0.00003	0.00012	<0.00008	<0.0002	<0.007	0.00002	2.32	0.023	0.06	0.029	0.0006	1.5
84	DMS Tails	DMS Tailings	0.00037	1.2	< 0.00003	0.00006	<0.00008	<0.0002	<0.007	0.00001	1.92	0.018	0.08	0.0105	0.0035	1.3

		Component	Ni (mg/l)	P (mg/l)	Pb (mg/l)	Sb (mg/l)	Se (mg/l)	Si (mg/l)	Sn (mg/l)	Sr (mg/l)	Th (mg/l)	Ti (mg/l)	U (mg/l)	V (mg/l)	Zn (mg/l)
		MELCCFP Criteria	0.067		0.004	1.100	0.062			40.000	0.047		0.320	0.110	0.017
Sample ID	Lithology	Material Type													
49	Metasediment	Waste Rock	0.0002	0.013	<0.00009	0.0054	<0.00004	1.81	<0.00006	0.0108	0.000375	0.00317	0.000012	0.00372	<0.002
50	Metasediment	Waste Rock	0.0004	0.006	<0.00009	0.0733	0.00133	1.41	<0.00006	0.0074	0.000042	0.00098	0.000066	0.00188	<0.002
51	Metasediment	Waste Rock	0.0002	0.012	<0.00009	0.003	0.00021	1.73	<0.00006	0.00954	<0.000005	0.001	0.000003	0.00288	<0.002
52	Metasediment	Waste Rock	0.0002	0.012	<0.00009	0.0011	0.00004	2	<0.00006	0.0102	<0.000005	0.00112	0.000053	0.00279	<0.002
53	Metasediment	Waste Rock	0.0001	0.016	<0.00009	0.0009	<0.00004	1.7	<0.00006	0.00856	<0.000005	0.00178	0.000036	0.00337	<0.002
54	Metasediment	Waste Rock	<0.0001	0.025	<0.00009	0.021	<0.00004	1.9	<0.00006	0.00691	<0.000005	<0.00005	0.00005	0.00276	<0.002
55	Metasediment	Waste Rock	0.0003	0.007	<0.00009	0.0011	0.00005	3.29	<0.00006	0.00521	<0.000005	0.0002	<0.000002	0.00385	<0.002
56	Amphibolite	Waste Rock	0.0002	0.005	<0.00009	0.0009	0.00011	2.61	<0.00006	0.0103	<0.000005	0.0002	0.000017	0.00611	<0.002
57	Metasediment	Waste Rock	0.0002	0.009	<0.00009	<0.0009	0.00008	2.29	<0.00006	0.0151	0.000012	0.0007	<0.000002	0.00472	<0.002
58	Ultramafic	Waste Rock	0.0004	0.012	<0.00009	0.0818	0.00007	5.07	<0.00006	0.0188	0.000017	<0.00005	<0.000002	0.00432	<0.002
59	Ultramafic	Waste Rock	0.0003	0.009	<0.00009	0.0043	0.0002	3.98	<0.00006	0.0303	<0.000005	0.00027	<0.000002	0.00716	<0.002
60	Ultramafic	Waste Rock	0.0006	0.007	<0.00009	0.124	<0.00004	6.03	<0.00006	0.0112	0.000201	<0.00005	<0.000002	0.0027	<0.002
61	Ultramafic	Waste Rock	0.0002	0.005	<0.00009	0.01	<0.00004	2.49	<0.00006	0.0215	<0.000005	<0.00005	<0.000002	0.0034	<0.002
62	Ultramafic	Waste Rock	0.0009	0.01	<0.00009	0.38	0.0001	5.62	<0.00006	0.00811	0.000011	<0.00005	0.000012	0.00411	<0.002
63	barren pegmatite	Waste Rock	0.0002	0.045	<0.00009	0.0062	0.00009	2.62	<0.00006	0.00526	0.000136	0.00005	0.00343	0.00047	<0.002
64	barren pegmatite	Waste Rock	0.0002	0.092	<0.00009	0.006	<0.00004	2.09	0.00013	0.00378	0.000375	0.00016	0.000937	0.0001	<0.002
65	barren pegmatite	Waste Rock	0.0002	0.08	<0.00009	0.0051	<0.00004	1.55	0.00006	0.0048	0.000245	0.00007	0.000428	0.00011	<0.002
66	barren pegmatite	Waste Rock	0.0003	0.063	<0.00009	0.0042	<0.00004	1.22	0.0001	0.00281	0.000216	0.00008	0.000443	0.00016	<0.002
67	barren pegmatite	Waste Rock	0.0004	0.07	<0.00009	0.0018	<0.00004	1.12	<0.00006	0.00231	0.000277	0.00006	0.000073	0.00011	<0.002
68	barren pegmatite	Waste Rock	<0.0001	0.077	<0.00009	0.012	<0.00004	1.42	0.00008	0.00574	0.00018	<0.00005	0.0011	0.00011	<0.002
69	barren pegmatite	Waste Rock	0.0003	0.061	<0.00009	0.0039	0.00006	2.52	0.00011	0.00926	0.000057	0.00007	0.002184	0.00031	<0.002
70	barren pegmatite	Waste Rock	0.0003	0.052	<0.00009	0.0057	0.00077	2.35	0.00011	0.0103	0.00007	0.00006	0.001253	0.00077	<0.002
71	barren pegmatite	Waste Rock	<0.0001	0.1	<0.00009	0.013	0.0006	1.02	0.00011	0.00424	0.00011	<0.00005	0.00039	0.00019	<0.002
72	barren pegmatite	Waste Rock	<0.0001	0.025	<0.00009	<0.0009	<0.00004	1.52	0.00017	0.00529	0.0001	<0.00005	0.00069	0.00059	<0.002
73	barren pegmatite	Waste Rock	0.0004	0.029	<0.00009	0.006	<0.00004	1.26	0.00009	0.00358	0.000182	0.00021	0.000411	0.00006	<0.002
74	Spodumene pegmatite	Ore	0.0002	0.109	0.00011	0.0241	<0.00004	1.24	0.00016	0.00136	0.000419	0.00018	0.000071	0.00003	<0.002
75	Spodumene pegmatite	Ore	0.0002	0.05	<0.00009	0.0125	<0.00004	2.21	0.00006	0.00794	0.000157	0.0001	0.00107	0.00007	<0.002
76	Spodumene pegmatite	Ore	0.0003	0.07	<0.00009	0.0027	0.00005	2.28	0.00021	0.01	0.000156	0.00012	0.00034	0.00024	<0.002
77	Spodumene pegmatite	Ore	0.0002	0.203	<0.00009	0.005	<0.00004	1.5	0.00018	0.00568	0.000251	0.00017	0.000099	0.00004	<0.002
78	Spodumene pegmatite	Ore	<0.0001	0.091	<0.00009	<0.0009	0.0011	2.2	0.00011	0.0102	0.00016	<0.00005	0.00024	0.00029	<0.002
79	Spodumene pegmatite	Ore	0.0003	0.071	<0.00009	0.0024	0.00004	1.56	0.00012	0.00421	0.000242	0.00019	0.000198	0.00004	<0.002
80	barren pegmatite	Waste Rock	0.0004	0.069	<0.00009	0.0076	0.0001	1.78	0.00018	0.0056	0.00019	0.00027	0.000171	0.00059	<0.002
81	Spodumene pegmatite	Ore	<0.0001	0.068	<0.00009	0.012	<0.00004	1.16	0.00009	0.00362	0.00012	<0.00005	0.0001	0.00014	<0.002
82	Spodumene pegmatite	Ore	0.0002	0.039	<0.00009	0.0032	0.00009	2.62	0.00027	0.00302	0.000353	0.00032	0.007091	0.00093	<0.002
83	DMS Tails	DMS Tailings	<0.0001	0.044	0.00011	<0.0009	<0.00004	0.87	0.0001	0.00305	0.00053	<0.00005	0.000624	0.00011	<0.002
84	DMS Tails	DMS Tailings	<0.0001	0.043	0.00024	<0.0009	<0.00004	0.93	0.00014	0.0028	0.00041	<0.00005	0.000336	0.00017	<0.002

		Component	pH	Conductivity (µS/cm)	Alkalinity (mgCaCO3/l)	Acidity (mgCaCO3/l)	SO_4^{2-} (mg/l)
		MELCCFP Criteria					500
Sample ID	Lithology	Material Type					
1	Amphibolite	Waste Rock	9.1	278	82	<2	24
2	Amphibolite	Waste Rock	8.1	331	60	<2	41
3	Amphibolite	Waste Rock	8.2	185	52	<2	<20
4	Amphibolite	Waste Rock	9.6	158	71	<2	<20
5	Amphibolite	Waste Rock	8.0	333	55	<2	53
6	Amphibolite	Waste Rock	8.3	119	40	<2	<20
7	Amphibolite	Waste Rock	8.3	175	47	<2	<20
8	Amphibolite	Waste Rock	8.4	157	45	<2	<20
9	Amphibolite	Waste Rock	8.6	122	34	<2	<20
10	Amphibolite	Waste Rock	8.1	252	47	<2	35
11	Amphibolite	Waste Rock	8.7	199	60	<2	<20
12	Amphibolite	Waste Rock	8.1	188	39	<2	<20
13	Amphibolite	Waste Rock	8.2	198	53	<2	<20
14	Amphibolite	Waste Rock	8.5	233	54	<2	<20
15	Amphibolite	Waste Rock	8.7	162	44	<2	<20
16	Metasediment	Waste Rock	8.0	502	50	<2	75
17	Amphibolite	Waste Rock	8.0	573	56	<2	94
18	Amphibolite	Waste Rock	8.1	255	46	<2	32
19	barren pegmatite	Waste Rock	8.7	207	41	<2	<20
20	Amphibolite	Waste Rock	8.1	654	65	<2	160
21	Amphibolite	Waste Rock	8.6	141	45	<2	<20
22	Amphibolite	Waste Rock	8.2	210	55	<2	<20
23	Metasediment	Waste Rock	8.2	836	85	<2	240
24	Amphibolite	Waste Rock	8.4	179	60	<2	20
25	Metasediment	Waste Rock	8.8	185	57	<2	<20
26	Amphibolite	Waste Rock	8.6	145	43	<2	<20
27	Amphibolite	Waste Rock	8.1	333	56	<2	42
28	Amphibolite	Waste Rock	8.3	274	56	<2	NA
29	Amphibolite	Waste Rock	8.5	268	88	<2	NA
30	Amphibolite	Waste Rock	8.9	190	62	<2	NA
31	Metasediment	Waste Rock	8.5	234	89	<2	<20
32	Amphibolite	Waste Rock	8.5	114	47	<2	<20
33	Amphibolite	Waste Rock	8.4	162	60	<2	<20
34	Metasediment	Waste Rock	8.4	237	85	<2	<20
35	Metasediment	Waste Rock	8.8	211	89	<2	<20
36	Ultramafic	Waste Rock	8.5	353	132	<2	51
37	Amphibolite	Waste Rock	8.2	334	68	<2	41
38	Metasediment	Waste Rock	8.2	247	58	<2	22

		Component	Cl^- (mg/l)	Al (mg/l)	As (mg/l)	Ag (mg/l)	B (mg/l)	Ba (mg/l)	Be (mg/l)	Bi (mg/l)	Ca (mg/l)
		MELCCFP Criteria	320	0.280	0.340	0.0000	28.000	0.10807	0.001		
Sample ID	Lithology	Material Type									
1	Amphibolite	Waste Rock	<20	1.000	0.030	<0.00005	0.104	0.00562	0.00002	<0.00001	2.090
2	Amphibolite	Waste Rock	<20	0.331	0.082	0.0003	0.221	0.00441	<0.000007	<0.00001	12.900
3	Amphibolite	Waste Rock	<20	0.814	0.010	<0.00005	0.078	0.00137	<0.000007	<0.00001	7.370
4	Amphibolite	Waste Rock	<20	0.734	0.384	<0.00005	0.112	0.00081	0.00002	0.000	5.700
5	Amphibolite	Waste Rock	<20	0.248	1.020	0.0002	0.165	0.00443	<0.000007	<0.00001	16.300
6	Amphibolite	Waste Rock	<20	0.616	0.003	<0.00005	0.042	0.00033	0.00001	<0.00001	7.180
7	Amphibolite	Waste Rock	<20	0.309	0.032	<0.00005	0.092	0.00053	<0.000007	<0.00001	7.610
8	Amphibolite	Waste Rock	<20	0.638	0.007	<0.00005	0.135	0.00047	<0.000007	<0.00001	6.450
9	Amphibolite	Waste Rock	<20	0.779	0.019	<0.00005	0.065	0.00039	<0.000007	<0.00001	8.410
10	Amphibolite	Waste Rock	<20	0.210	0.014	<0.00005	0.115	0.00086	<0.000007	<0.00001	17.600
11	Amphibolite	Waste Rock	<20	0.513	0.079	<0.00005	0.288	0.00072	<0.000007	<0.00001	7.290
12	Amphibolite	Waste Rock	<20	0.451	0.024	<0.00005	0.280	0.00091	<0.000007	<0.00001	8.550
13	Amphibolite	Waste Rock	<20	0.297	0.228	<0.00005	0.183	0.00097	0.00001	<0.00001	6.520
14	Amphibolite	Waste Rock	24	0.397	0.280	<0.00005	0.110	0.00056	<0.000007	<0.00001	6.710
15	Amphibolite	Waste Rock	<20	0.425	0.030	<0.00005	0.174	0.00079	<0.000007	<0.00001	6.320
16	Metasediment	Waste Rock	<20	0.072	0.002	0.0003	0.085	0.01680	<0.000007	0.000	35.200
17	Amphibolite	Waste Rock	<20	0.137	0.005	0.0003	0.093	0.01580	<0.000007	<0.00001	44.300
18	Amphibolite	Waste Rock	<20	0.241	0.292	<0.00005	0.157	0.00202	0.00001	<0.00001	13.000
19	barren pegmatite	Waste Rock	<20	0.447	0.027	<0.00005	0.094	0.00054	<0.000007	<0.00001	7.380
20	Amphibolite	Waste Rock	<20	0.130	0.001	0.0001	0.067	0.05060	<0.000007	<0.00001	60.000
21	Amphibolite	Waste Rock	<20	0.535	0.609	<0.00005	0.118	0.00164	<0.000007	<0.00001	4.870
22	Amphibolite	Waste Rock	<20	0.260	1.220	<0.00005	0.120	0.00075	0.00001	<0.00001	8.190
23	Metasediment	Waste Rock	<20	0.040	0.003	<0.00005	0.128	0.01150	<0.000007	<0.00001	92.700
24	Amphibolite	Waste Rock	<20	1.070	0.031	<0.00005	0.063	0.00253	<0.000007	<0.00001	3.930
25	Metasediment	Waste Rock	<20	0.136	0.879	<0.00005	0.913	0.00701	<0.000007	0.000	8.580
26	Amphibolite	Waste Rock	<20	0.773	0.019	<0.00005	0.192	0.00065	<0.000007	<0.00001	4.720
27	Amphibolite	Waste Rock	20	0.159	0.026	0.0001	0.140	0.00140	<0.000007	<0.00001	15.400
28	Amphibolite	Waste Rock	<20	0.337	0.193	<0.00005	0.363	0.00291	0.00004	0.000	15.400
29	Amphibolite	Waste Rock	<20	0.378	0.158	0.0002	0.144	0.00344	0.00001	0.000	8.340
30	Amphibolite	Waste Rock	<20	0.757	0.013	<0.00005	0.154	0.00072	<0.000007	<0.00001	7.820
31	Metasediment	Waste Rock	<20	2.300	0.680	<0.00005	0.187	0.00757	0.00009	<0.00001	1.740
32	Amphibolite	Waste Rock	<20	0.777	0.022	<0.00005	0.076	0.00044	<0.000007	<0.00001	4.510
33	Amphibolite	Waste Rock	<20	0.753	0.018	<0.00005	0.112	0.00096	<0.000007	<0.00001	5.890
34	Metasediment	Waste Rock	<20	2.940	0.604	<0.00005	0.186	0.01180	0.00020	0.000	2.090
35	Metasediment	Waste Rock	<20	2.350	0.187	<0.00005	0.118	0.01410	0.00002	0.000	1.710
36	Ultramafic	Waste Rock	<20	0.007	63.800	<0.00005	0.623	0.00937	<0.000007	<0.00001	14.300
37	Amphibolite	Waste Rock	<20	0.308	1.130	0.0002	1.350	0.00535	0.00003	<0.00001	18.800
38	Metasediment	Waste Rock	<20	0.637	0.037	<0.00005	0.149	0.00110	0.00023	0.000	4.340

		Component	Cd (mg/l)	Co (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Hg (mg/l)	K (mg/l)	Li (mg/l)
		MELCCFP Criteria	0.0002	0.370	0.016	0.002	3.400	0.002		0.910
Sample ID	Lithology	Material Type								
1	Amphibolite	Waste Rock	0.000006	0.000	0.00805	0.002	0.224	<0.00001	62.500	1.360
2	Amphibolite	Waste Rock	0.000004	0.000	0.00196	0.001	0.083	<0.00001	21.900	0.771
3	Amphibolite	Waste Rock	<0.000003	0.000	0.00031	0.001	0.009	<0.00001	11.600	0.482
4	Amphibolite	Waste Rock	<0.000003	0.000	0.02446	0.001	0.258	<0.00001	3.280	0.690
5	Amphibolite	Waste Rock	<0.000003	0.000	0.00367	0.001	0.032	<0.00001	18.800	2.470
6	Amphibolite	Waste Rock	<0.000003	0.000	0.00118	0.001	<0.007	<0.00001	1.580	0.464
7	Amphibolite	Waste Rock	<0.000003	0.000	0.00105	0.001	0.010	<0.00001	6.130	0.298
8	Amphibolite	Waste Rock	<0.000003	0.000	0.00224	0.002	0.057	<0.00001	3.020	0.395
9	Amphibolite	Waste Rock	<0.000003	0.000	0.00492	0.001	0.035	<0.00001	0.530	0.068
10	Amphibolite	Waste Rock	<0.000003	0.000	0.00027	0.001	0.043	<0.00001	3.270	0.340
11	Amphibolite	Waste Rock	0.000004	0.000	0.00164	0.000	0.007	<0.00001	6.160	1.030
12	Amphibolite	Waste Rock	<0.000003	0.000	0.00144	0.001	<0.007	<0.00001	9.510	0.146
13	Amphibolite	Waste Rock	<0.000003	0.000	0.00437	0.001	0.031	<0.00001	9.310	0.457
14	Amphibolite	Waste Rock	<0.000003	0.000	0.00257	0.000	0.008	<0.00001	1.800	0.116
15	Amphibolite	Waste Rock	<0.000003	0.000	0.00222	0.001	<0.007	<0.00001	8.050	0.247
16	Metasediment	Waste Rock	0.000315	0.000	<0.00008	0.001	0.012	<0.00001	25.800	1.300
17	Amphibolite	Waste Rock	0.000247	0.000	0.00011	0.001	0.013	<0.00001	41.500	1.100
18	Amphibolite	Waste Rock	0.000007	0.000	0.00179	0.001	0.027	<0.00001	11.100	0.487
19	barren pegmatite	Waste Rock	<0.000003	0.000	0.00262	0.003	0.022	<0.00001	2.440	0.152
20	Amphibolite	Waste Rock	0.000025	0.001	<0.00008	0.001	0.009	<0.00001	44.000	0.592
21	Amphibolite	Waste Rock	0.000004	0.000	0.00938	0.001	0.008	<0.00001	13.300	0.192
22	Amphibolite	Waste Rock	0.000007	0.000	0.01168	0.001	0.093	0.00003	3.810	0.684
23	Metasediment	Waste Rock	0.000028	0.001	<0.00008	0.001	0.012	0.00002	12.900	0.467
24	Amphibolite	Waste Rock	<0.000003	0.000	0.00069	0.001	0.159	<0.00001	11.000	0.075
25	Metasediment	Waste Rock	<0.000003	0.000	0.12200	0.002	0.162	<0.00001	20.000	0.178
26	Amphibolite	Waste Rock	<0.000003	0.000	0.00342	0.000	0.013	<0.00001	6.770	0.636
27	Amphibolite	Waste Rock	0.000007	0.000	0.00146	0.001	0.017	<0.00001	6.370	0.116
28	Amphibolite	Waste Rock	0.000005	0.000	0.00207	0.002	0.100	0.00013	16.800	1.590
29	Amphibolite	Waste Rock	0.000006	0.000	0.00217	0.000	0.116	0.00006	29.000	1.700
30	Amphibolite	Waste Rock	<0.000003	0.000	0.00065	0.004	0.032	<0.00001	8.180	0.415
31	Metasediment	Waste Rock	0.000006	0.001	0.00191	0.001	0.790	<0.00001	37.900	2.280
32	Amphibolite	Waste Rock	<0.000003	0.000	0.00041	0.001	0.015	<0.00001	6.010	0.223
33	Amphibolite	Waste Rock	<0.000003	0.000	0.00027	0.001	0.008	<0.00001	7.760	0.366
34	Metasediment	Waste Rock	0.000020	0.001	0.00063	0.002	1.810	<0.00001	40.300	3.310
35	Metasediment	Waste Rock	0.000010	0.001	0.00326	0.002	1.440	<0.00001	45.300	1.710
36	Ultramafic	Waste Rock	<0.000003	0.001	0.02574	0.000	0.012	<0.00001	5.220	0.348
37	Amphibolite	Waste Rock	0.000017	0.000	0.00053	0.001	0.009	<0.00001	31.100	1.700
38	Metasediment	Waste Rock	0.000011	0.000	0.00048	0.001	0.287	<0.00001	11.900	0.739

		Component	Mg (mg/l)	Mn (mg/l)	Mo (mg/l)	Na (mg/l)	Ni (mg/l)	P (mg/l)	Pb (mg/l)	Sb (mg/l)
		MELCCFP Criteria		0.551	29.000		0.067		0.004	1.100
Sample ID	Lithology	Material Type								
1	Amphibolite	Waste Rock	0.611	0.008	0.001	9.220	0.0008	0.046	<0.00009	0.003
2	Amphibolite	Waste Rock	5.900	0.004	0.004	25.800	0.0006	0.039	<0.00009	0.076
3	Amphibolite	Waste Rock	2.420	0.002	0.003	16.800	0.0002	0.009	<0.00009	0.008
4	Amphibolite	Waste Rock	2.750	0.015	0.001	20.600	0.0008	0.105	<0.00009	0.028
5	Amphibolite	Waste Rock	8.760	0.004	0.001	15.000	0.0016	0.032	<0.00009	0.589
6	Amphibolite	Waste Rock	1.940	0.002	0.001	11.600	0.0001	0.007	<0.00009	0.003
7	Amphibolite	Waste Rock	2.300	0.002	0.001	20.100	0.0002	0.029	<0.00009	0.061
8	Amphibolite	Waste Rock	1.830	0.001	0.001	19.200	0.0003	0.033	<0.00009	0.009
9	Amphibolite	Waste Rock	2.070	0.001	0.001	12.300	0.0002	0.029	<0.00009	0.004
10	Amphibolite	Waste Rock	6.490	0.005	0.002	18.200	0.0003	0.039	<0.00009	0.076
11	Amphibolite	Waste Rock	2.080	0.001	0.001	24.900	0.0002	0.009	<0.00009	0.269
12	Amphibolite	Waste Rock	2.150	0.001	0.002	17.100	0.0002	<0.003	<0.00009	0.042
13	Amphibolite	Waste Rock	2.460	0.001	0.001	22.100	0.0003	0.008	<0.00009	0.165
14	Amphibolite	Waste Rock	2.720	0.001	0.001	34.700	0.0003	0.011	<0.00009	0.265
15	Amphibolite	Waste Rock	1.990	0.001	0.001	16.900	0.0002	0.004	<0.00009	0.043
16	Metasediment	Waste Rock	7.750	0.049	0.003	31.300	0.0003	0.007	0.0026	0.032
17	Amphibolite	Waste Rock	9.590	0.041	0.003	24.700	0.0006	0.007	0.0001	0.146
18	Amphibolite	Waste Rock	4.330	0.007	0.012	21.300	0.0004	0.013	<0.00009	0.391
19	barren pegmatite	Waste Rock	2.280	0.002	0.001	29.000	0.0004	0.011	0.0001	0.008
20	Amphibolite	Waste Rock	16.200	0.027	0.005	18.200	0.0015	0.006	<0.00009	0.004
21	Amphibolite	Waste Rock	1.860	0.001	0.001	13.100	0.0003	0.014	<0.00009	0.010
22	Amphibolite	Waste Rock	3.740	0.003	0.005	25.200	0.0009	0.047	0.0002	0.199
23	Metasediment	Waste Rock	29.200	0.128	0.013	35.400	0.0038	<0.003	<0.00009	0.040
24	Amphibolite	Waste Rock	0.918	0.002	0.002	23.000	0.0003	0.082	<0.00009	0.003
25	Metasediment	Waste Rock	7.120	0.002	0.003	4.800	0.0029	0.028	<0.00009	0.067
26	Amphibolite	Waste Rock	1.400	0.001	0.002	15.800	0.0002	0.011	<0.00009	0.037
27	Amphibolite	Waste Rock	5.250	0.005	0.006	40.300	0.0005	0.019	<0.00009	0.029
28	Amphibolite	Waste Rock	7.860	0.004	0.014	23.900	0.0004	0.044	0.0001	0.236
29	Amphibolite	Waste Rock	6.350	0.003	0.007	24.600	0.0003	0.033	0.0001	0.550
30	Amphibolite	Waste Rock	3.080	0.002	0.004	26.700	<0.0001	0.022	<0.00009	0.007
31	Metasediment	Waste Rock	0.586	0.017	0.005	13.000	0.0009	0.092	0.0004	0.099
32	Amphibolite	Waste Rock	1.520	0.001	0.001	13.000	<0.0001	0.019	<0.00009	0.013
33	Amphibolite	Waste Rock	2.080	0.002	0.002	18.400	0.0002	0.009	<0.00009	0.034
34	Metasediment	Waste Rock	0.766	0.034	0.004	12.800	0.0021	0.095	0.0023	0.186
35	Metasediment	Waste Rock	0.752	0.026	0.004	11.300	0.0019	0.114	0.0007	0.014
36	Ultramafic	Waste Rock	35.500	0.001	0.001	5.860	0.0728	0.017	<0.00009	9.760
37	Amphibolite	Waste Rock	6.660	0.008	0.023	13.700	0.0014	0.012	<0.00009	3.070
38	Metasediment	Waste Rock	2.070	0.008	0.005	37.600	0.0020	0.030	<0.00009	0.039

		Component	Se (mg/l)	Si (mg/l)	Sn (mg/l)	Sr (mg/l)	Th (mg/l)	U (mg/l)	V (mg/l)	Ti (mg/l)	Zn (mg/l)
		MELCCFP Criteria	0.062			40.000	0.047	0.320	0.110		0.017
Sample ID	Lithology	Material Type									
1	Amphibolite	Waste Rock	0.00041	3.810	0.00008	0.004	0.00001	0.00005	0.117	0.0194	<0.002
2	Amphibolite	Waste Rock	0.00453	2.980	0.00008	0.041	0.00004	0.00053	0.009	0.0037	<0.002
3	Amphibolite	Waste Rock	0.00124	2.810	0.00006	0.010	0.00001	0.00005	0.036	0.0006	<0.002
4	Amphibolite	Waste Rock	0.00050	9.560	<0.00006	0.005	0.00002	0.00079	0.094	0.0070	<0.002
5	Amphibolite	Waste Rock	0.00115	3.420	<0.00006	0.028	0.00023	0.00008	0.015	0.0009	<0.002
6	Amphibolite	Waste Rock	0.00038	3.460	<0.00006	0.013	<0.000005	0.00020	0.037	0.0001	<0.002
7	Amphibolite	Waste Rock	0.00110	5.020	0.00007	0.011	0.00002	0.00044	0.054	0.0004	<0.002
8	Amphibolite	Waste Rock	0.00085	3.980	<0.00006	0.008	0.00001	0.00003	0.075	0.0018	<0.002
9	Amphibolite	Waste Rock	0.00274	4.640	<0.00006	0.006	<0.000005	0.00002	0.091	0.0018	<0.002
10	Amphibolite	Waste Rock	0.00313	3.570	<0.00006	0.017	0.00001	0.00042	0.014	0.0014	<0.002
11	Amphibolite	Waste Rock	0.00051	4.600	0.00007	0.011	0.00002	0.00003	0.052	0.0004	<0.002
12	Amphibolite	Waste Rock	0.00104	4.130	0.00007	0.016	0.00001	0.00060	0.041	0.0003	<0.002
13	Amphibolite	Waste Rock	0.00079	3.700	0.00008	0.021	0.00006	0.00008	0.048	0.0012	<0.002
14	Amphibolite	Waste Rock	0.00172	3.980	0.00010	0.012	0.00002	0.00008	0.055	0.0004	<0.002
15	Amphibolite	Waste Rock	0.00168	4.050	<0.00006	0.010	0.00002	0.00069	0.043	0.0002	<0.002
16	Metasediment	Waste Rock	0.00064	4.020	0.00018	0.086	0.00002	0.00015	0.002	0.0006	0.036
17	Amphibolite	Waste Rock	0.00022	3.260	<0.00006	0.080	0.00001	0.00009	0.003	0.0004	0.013
18	Amphibolite	Waste Rock	0.00326	3.770	0.00007	0.022	0.00004	0.00055	0.024	0.0008	<0.002
19	barren pegmatite	Waste Rock	0.00123	5.160	0.00014	0.012	0.00001	0.00003	0.058	0.0006	<0.002
20	Amphibolite	Waste Rock	0.00039	3.030	<0.00006	0.105	0.00001	0.00032	0.001	0.0003	0.002
21	Amphibolite	Waste Rock	0.00059	5.100	0.00009	0.009	0.00001	0.00011	0.067	0.0002	<0.002
22	Amphibolite	Waste Rock	0.00097	4.890	0.00012	0.021	0.00005	0.00053	0.044	0.0032	<0.002
23	Metasediment	Waste Rock	0.00196	4.660	0.00008	0.137	0.00002	0.00443	0.001	0.0005	0.002
24	Amphibolite	Waste Rock	0.00053	3.200	0.00008	0.012	0.00001	0.00142	0.044	0.0085	<0.002
25	Metasediment	Waste Rock	0.00077	13.300	0.00007	0.016	0.00003	0.00027	0.047	0.0041	<0.002
26	Amphibolite	Waste Rock	0.00038	3.700	<0.00006	0.005	0.00002	0.00001	0.051	0.0004	<0.002
27	Amphibolite	Waste Rock	0.00298	4.420	<0.00006	0.034	0.00002	0.00147	0.023	0.0007	<0.002
28	Amphibolite	Waste Rock	0.00251	3.250	0.00011	0.024	0.00004	0.00432	0.021	0.0040	<0.002
29	Amphibolite	Waste Rock	0.00206	2.420	<0.00006	0.038	0.00006	0.00016	0.012	0.0060	<0.002
30	Amphibolite	Waste Rock	0.00111	2.180	0.00006	0.012	0.00001	0.00050	0.037	0.0014	<0.002
31	Metasediment	Waste Rock	0.00018	3.580	0.00052	0.012	0.00066	0.00168	0.070	0.0894	0.003
32	Amphibolite	Waste Rock	0.00069	3.920	<0.00006	0.004	0.00001	0.00007	0.076	0.0006	<0.002
33	Amphibolite	Waste Rock	0.00111	2.680	0.00007	0.008	0.00002	0.00007	0.034	0.0003	<0.002
34	Metasediment	Waste Rock	0.00083	4.670	0.00055	0.005	0.00105	0.00278	0.033	0.1440	0.007
35	Metasediment	Waste Rock	0.00077	4.670	0.00009	0.004	0.00004	0.00198	0.064	0.1120	0.005
36	Ultramafic	Waste Rock	0.00065	24.100	0.00007	0.028	0.00016	0.00054	0.036	0.0007	<0.002
37	Amphibolite	Waste Rock	0.00143	2.750	0.00012	0.031	0.00182	0.00277	0.009	0.0007	<0.002
38	Metasediment	Waste Rock	0.00026	3.490	0.00032	0.014	0.00019	0.00384	0.011	0.0177	<0.002

		Component	pH	Conductivity (µS/cm)	Alkalinity (mgCaCO3/l)	Acidity (mgCaCO3/l)	SO_4^{2-} (mg/l)
		MELCCFP Criteria					500
Sample ID	Lithology	Material Type					
39	Metasediment	Waste Rock	7.9	260	65	<2	43
40	Metasediment	Waste Rock	8.1	218	75	<2	20
41	Metasediment	Waste Rock	8.0	232	65	<2	36
42	Metasediment	Waste Rock	8.0	429	69	<2	92
43	Metasediment	Waste Rock	8.0	341	71	<2	78
44	Metasediment	Waste Rock	8.5	176	83	<2	<20
45	Metasediment	Waste Rock	8.4	173	76	<2	<20
46	Metasediment	Waste Rock	8.5	183	85	<2	<20
47	Metasediment	Waste Rock	8.0	145	50	<2	31
48	Metasediment	Waste Rock	8.3	201	73	<2	NA
49	Metasediment	Waste Rock	8.9	212	96	<2	<20
50	Metasediment	Waste Rock	8.1	417	74	<2	61
51	Metasediment	Waste Rock	8.0	167	58	<2	46
52	Metasediment	Waste Rock	8.1	253	86	<2	25
53	Metasediment	Waste Rock	8.1	278	83	<2	25
54	Metasediment	Waste Rock	8.4	277	74	<2	NA
55	Metasediment	Waste Rock	8.4	149	47	<2	<20
56	Amphibolite	Waste Rock	8.1	183	62	<2	<20
57	Metasediment	Waste Rock	7.8	200	47	<2	22
58	Ultramafic	Waste Rock	8.1	281	119	<2	37
59	Ultramafic	Waste Rock	8.0	255	76	<2	36
60	Ultramafic	Waste Rock	8.6	437	191	<2	30
61	Ultramafic	Waste Rock	8.4	219	101	<2	<20
62	Ultramafic	Waste Rock	8.1	521	153	<2	58
63	barren pegmatite	Waste Rock	9.2	286	104	<2	<20
64	barren pegmatite	Waste Rock	8.3	125	59	<2	<20
65	barren pegmatite	Waste Rock	9.7	266	90	<2	<20
66	barren pegmatite	Waste Rock	9.2	117	73	<2	<20
67	barren pegmatite	Waste Rock	9.7	267	82	<2	<20
68	barren pegmatite	Waste Rock	9.2	234	97	<2	NA
69	barren pegmatite	Waste Rock	8.7	249	93	<2	<20
70	barren pegmatite	Waste Rock	9.3	117	86	<2	<20
71	barren pegmatite	Waste Rock	9.3	224	80	<2	NA
72	barren pegmatite	Waste Rock	9.3	224	104	<2	NA
73	barren pegmatite	Waste Rock	9.2	117	79	<2	<20
74	Spodumene pegmatite	Ore	9.6	156	96	<2	<20
75	Spodumene pegmatite	Ore	9.8	155	110	<2	<20
76	Spodumene pegmatite	Ore	8.2	240	82	<2	<20
77	Spodumene pegmatite	Ore	8.7	179	83	<2	<20
78	Spodumene pegmatite	Ore	8.6	247	92	<2	NA
79	Spodumene pegmatite	Ore	9.6	285	93	<2	<20
80	barren pegmatite	Waste Rock	7.9	145	71	<2	26
81	Spodumene pegmatite	Ore	9.3	171	77	<2	NA
82	Spodumene pegmatite	Ore	8.5	214	108	<2	<20
83	DMS Tails	DMS Tailings	9.2	65	179	<2	<20
84	DMS Tails	DMS Tailings	8.8	61	176	<2	<20

		Component	Cl^- (mg/l)	Al (mg/l)	As (mg/l)	Ag (mg/l)	B (mg/l)	Ba (mg/l)	Be (mg/l)	Bi (mg/l)	Ca (mg/l)
		MELCCFP Criteria	320	0.280	0.340	0.0000	28.000	0.10807	0.001		
Sample ID	Lithology	Material Type									
39	Metasediment	Waste Rock	<20	0.413	0.146	0.0004	0.107	0.00474	0.00005	0.000	9.260
40	Metasediment	Waste Rock	<20	1.030	0.078	<0.00005	0.139	0.00189	<0.000007	<0.00001	4.990
41	Metasediment	Waste Rock	<20	0.598	0.024	0.0001	0.158	0.00288	0.00001	<0.00001	6.700
42	Metasediment	Waste Rock	<20	0.262	0.007	0.0002	0.151	0.00471	0.00003	0.000	19.500
43	Metasediment	Waste Rock	<20	0.367	0.007	0.0001	0.286	0.00498	0.00006	0.000	16.300
44	Metasediment	Waste Rock	<20	2.590	0.125	<0.00005	0.051	0.00564	0.00012	0.000	1.490
45	Metasediment	Waste Rock	<20	2.370	0.036	<0.00005	0.034	0.00309	0.00003	0.000	1.810
46	Metasediment	Waste Rock	<20	2.920	0.058	<0.00005	0.037	0.00284	0.00001	<0.00001	1.700
47	Metasediment	Waste Rock	<20	0.913	0.017	0.0001	0.039	0.00579	<0.000007	0.000	3.440
48	Metasediment	Waste Rock	<20	0.320	0.019	<0.00005	0.056	0.00061	0.00002	<0.00001	12.800
49	Metasediment	Waste Rock	<20	2.070	0.268	<0.00005	0.166	0.00497	0.00007	0.000	1.030
50	Metasediment	Waste Rock	<20	0.266	0.087	0.0005	0.073	0.00561	<0.000007	<0.00001	15.200
51	Metasediment	Waste Rock	<20	0.852	0.038	0.0002	0.075	0.00270	0.00003	0.000	5.640
52	Metasediment	Waste Rock	<20	0.363	0.008	0.0001	0.113	0.00437	<0.000007	<0.00001	11.600
53	Metasediment	Waste Rock	<20	0.561	5.470	<0.00005	0.055	0.01003	0.00005	<0.00001	7.600
54	Metasediment	Waste Rock	<20	1.240	0.059	<0.00005	0.288	0.00605	0.00003	0.000	7.810
55	Metasediment	Waste Rock	<20	0.034	3.990	<0.00005	0.041	0.00302	<0.000007	<0.00001	8.790
56	Amphibolite	Waste Rock	<20	0.330	0.199	<0.00005	0.123	0.00336	<0.000007	<0.00001	4.200
57	Metasediment	Waste Rock	<20	0.064	0.008	0.0001	0.126	0.00651	0.00004	<0.00001	9.170
58	Ultramafic	Waste Rock	<20	0.007	18.000	<0.00005	0.222	0.00229	<0.000007	<0.00001	13.000
59	Ultramafic	Waste Rock	<20	0.047	3.770	0.0001	0.039	0.00230	0.00005	<0.00001	14.800
60	Ultramafic	Waste Rock	<20	0.004	40.300	<0.00005	0.164	0.00806	0.00009	0.000	12.200
61	Ultramafic	Waste Rock	<20	0.016	1.600	<0.00005	1.150	0.00083	0.00009	<0.00001	9.320
62	Ultramafic	Waste Rock	23	0.005	49.400	<0.00005	0.232	0.00997	0.00003	<0.00001	21.400
63	barren pegmatite	Waste Rock	<20	1.030	0.923	<0.00005	0.653	0.00100	0.00154	0.002	0.600
64	barren pegmatite	Waste Rock	<20	3.620	1.830	<0.00005	0.261	0.00387	0.00210	0.000	1.040
65	barren pegmatite	Waste Rock	<20	0.789	0.723	<0.00005	0.190	0.00074	0.00030	0.001	0.510
66	barren pegmatite	Waste Rock	<20	0.771	1.080	<0.00005	0.274	0.00051	0.00039	0.000	0.180
67	barren pegmatite	Waste Rock	22	0.570	0.265	<0.00005	0.170	0.00061	0.00017	0.001	0.210
68	barren pegmatite	Waste Rock	<20	1.920	0.742	<0.00005	0.244	0.00113	0.00022	0.002	1.880
69	barren pegmatite	Waste Rock	30	1.910	0.850	<0.00005	0.472	0.00178	0.01460	0.004	0.900
70	barren pegmatite	Waste Rock	30	0.717	0.611	0.0003	0.253	0.00074	0.00383	0.001	0.700
71	barren pegmatite	Waste Rock	21	5.820	3.730	0.0001	0.471	0.00213	0.00199	0.000	0.480
72	barren pegmatite	Waste Rock	<20	7.390	0.569	<0.00005	1.260	0.00156	0.00429	0.001	1.330
73	barren pegmatite	Waste Rock	<20	1.610	0.499	<0.00005	0.221	0.00089	0.00022	0.001	0.210
74	Spodumene pegmatite	Ore	21	2.330	3.300	<0.00005	0.331	0.00083	0.00058	0.000	0.300
75	Spodumene pegmatite	Ore	20	0.830	1.370	0.0001	0.300	0.00046	0.00173	0.010	0.380
76	Spodumene pegmatite	Ore	30	1.280	0.350	<0.00005	0.296	0.00221	0.00285	0.000	1.470
77	Spodumene pegmatite	Ore	29	1.610	0.441	<0.00005	0.224	0.00086	0.00429	0.000	0.850
78	Spodumene pegmatite	Ore	21	2.590	0.981	<0.00005	0.393	0.00179	0.00236	0.001	1.510
79	Spodumene pegmatite	Ore	<20	1.250	0.431	<0.00005	0.191	0.00111	0.00078	0.000	0.500
80	barren pegmatite	Waste Rock	<20	0.751	0.650	0.0003	0.444	0.00220	0.00094	0.000	2.900
81	Spodumene pegmatite	Ore	<20	5.960	1.560	0.0001	0.328	0.00107	0.00107	0.001	0.480
82	Spodumene pegmatite	Ore	<20	5.480	0.132	<0.00005	0.187	0.00299	0.00794	0.000	1.160
83	DMS Tails	DMS Tailings	<20	0.610	0.954	<0.0005	0.170	0.00224	0.00041	0.002	1.200
84	DMS Tails	DMS Tailings	20	0.560	0.869	<0.0005	0.130	0.00159	0.00073	0.002	1.100

		Component	Cd (mg/l)	Co (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Hg (mg/l)	K (mg/l)	Li (mg/l)
		MELCCFP Criteria	0.0002	0.370	0.016	0.002	3.400	0.002		0.910
Sample ID	Lithology	Material Type								
39	Metasediment	Waste Rock	0.000067	0.000	0.00230	0.001	0.143	<0.00001	24.100	1.200
40	Metasediment	Waste Rock	<0.000003	0.000	0.00064	0.001	0.123	<0.00001	14.500	0.884
41	Metasediment	Waste Rock	<0.000003	0.000	0.00088	0.001	0.105	<0.00001	31.800	0.335
42	Metasediment	Waste Rock	0.000046	0.000	0.00034	0.000	0.023	<0.00001	30.300	0.443
43	Metasediment	Waste Rock	0.000033	0.000	0.00056	0.000	0.022	<0.00001	35.500	0.408
44	Metasediment	Waste Rock	0.000003	0.000	0.00406	0.002	0.254	<0.00001	12.500	0.533
45	Metasediment	Waste Rock	<0.000003	0.000	0.00307	0.002	0.153	<0.00001	17.300	0.015
46	Metasediment	Waste Rock	0.000004	0.000	0.00251	0.001	0.142	<0.00001	27.300	0.023
47	Metasediment	Waste Rock	0.000009	0.000	0.00123	0.001	0.414	<0.00001	33.300	0.141
48	Metasediment	Waste Rock	0.000003	0.000	0.00011	0.000	0.053	<0.00001	2.210	0.362
49	Metasediment	Waste Rock	0.000006	0.001	0.00206	0.001	0.996	<0.00001	44.800	3.380
50	Metasediment	Waste Rock	0.000106	0.000	0.00023	0.003	0.034	<0.00001	46.400	1.550
51	Metasediment	Waste Rock	0.000003	0.000	0.00167	0.001	0.297	<0.00001	16.000	0.705
52	Metasediment	Waste Rock	0.000005	0.000	0.00090	0.000	0.014	<0.00001	32.100	0.432
53	Metasediment	Waste Rock	<0.000003	0.000	0.00049	0.000	0.033	<0.00001	45.200	0.474
54	Metasediment	Waste Rock	0.000022	0.000	0.00222	0.002	0.221	0.00007	36.300	1.960
55	Metasediment	Waste Rock	0.000003	0.000	0.01934	0.001	0.009	<0.00001	5.690	0.052
56	Amphibolite	Waste Rock	0.000021	0.000	0.00267	0.001	0.016	<0.00001	31.800	0.353
57	Metasediment	Waste Rock	0.000142	0.000	0.00247	0.002	<0.007	<0.00001	19.300	0.372
58	Ultramafic	Waste Rock	<0.000003	0.001	0.03949	0.000	<0.007	<0.00001	4.350	0.083
59	Ultramafic	Waste Rock	<0.000003	0.000	0.01177	0.003	0.024	<0.00001	5.540	0.160
60	Ultramafic	Waste Rock	0.000026	0.000	0.00038	0.001	<0.007	<0.00001	14.300	0.281
61	Ultramafic	Waste Rock	0.000035	0.000	0.00269	0.001	<0.007	<0.00001	1.430	0.024
62	Ultramafic	Waste Rock	0.000039	0.002	0.00087	0.002	0.016	<0.00001	2.690	0.029
63	barren pegmatite	Waste Rock	0.000010	0.000	0.00726	0.002	0.064	<0.00001	16.200	0.129
64	barren pegmatite	Waste Rock	<0.000003	0.000	0.00393	0.001	0.120	<0.00001	49.100	1.250
65	barren pegmatite	Waste Rock	0.000003	0.000	0.00786	0.002	0.040	<0.00001	43.800	0.310
66	barren pegmatite	Waste Rock	0.000004	0.000	0.00783	0.001	0.045	<0.00001	27.000	0.450
67	barren pegmatite	Waste Rock	0.000004	0.000	0.00814	0.002	0.038	<0.00001	37.900	0.088
68	barren pegmatite	Waste Rock	0.000005	0.000	0.00102	0.001	0.575	<0.00001	42.000	1.690
69	barren pegmatite	Waste Rock	<0.000003	0.000	0.01460	0.003	0.170	<0.00001	4.590	0.642
70	barren pegmatite	Waste Rock	0.000058	0.001	0.01360	0.044	0.142	<0.00001	7.880	0.264
71	barren pegmatite	Waste Rock	0.000017	0.000	0.00454	0.002	0.188	0.00013	16.600	0.871
72	barren pegmatite	Waste Rock	0.000058	0.002	0.00260	0.002	0.732	<0.00001	16.300	0.456
73	barren pegmatite	Waste Rock	<0.000003	0.000	0.00554	0.002	0.060	<0.00001	38.900	1.370
74	Spodumene pegmatite	Ore	0.000010	0.000	0.00227	0.001	0.070	<0.00001	20.600	4.890
75	Spodumene pegmatite	Ore	0.000004	0.000	0.00190	0.001	0.031	<0.00001	9.710	2.900
76	Spodumene pegmatite	Ore	0.000060	0.000	0.00117	0.001	0.090	<0.00001	19.400	3.380
77	Spodumene pegmatite	Ore	<0.000003	0.000	0.00134	0.001	0.060	<0.00001	11.600	11.600
78	Spodumene pegmatite	Ore	0.000021	0.000	0.00265	0.002	0.140	0.00012	19.900	4.090
79	Spodumene pegmatite	Ore	0.000009	0.000	0.00524	0.001	0.588	<0.00001	36.400	1.400
80	barren pegmatite	Waste Rock	0.000015	0.000	0.00100	0.002	0.140	<0.00001	33.800	0.955
81	Spodumene pegmatite	Ore	0.000027	0.000	0.00512	0.001	0.170	0.00007	7.340	5.370
82	Spodumene pegmatite	Ore	<0.000003	0.000	0.00105	0.002	0.370	<0.00001	25.800	1.220
83	DMS Tails	DMS Tailings	<0.00003	0.000	0.00320	<0.002	<0.07	<0.00001	19.900	0.277
84	DMS Tails	DMS Tailings	<0.00003	0.000	0.00230	<0.002	<0.07	<0.00001	18.500	0.362

		Component	Mg (mg/l)	Mn (mg/l)	Mo (mg/l)	Na (mg/l)	Ni (mg/l)	P (mg/l)	Pb (mg/l)	Sb (mg/l)
		MELCCFP Criteria		0.551	29.000		0.067		0.004	1.100
Sample ID	Lithology	Material Type								
39	Metasediment	Waste Rock	5.300	0.007	0.008	23.100	0.0009	0.032	0.0005	0.265
40	Metasediment	Waste Rock	1.230	0.003	0.003	41.800	0.0011	0.012	<0.00009	0.219
41	Metasediment	Waste Rock	3.420	0.003	0.003	27.700	0.0004	0.006	<0.00009	0.010
42	Metasediment	Waste Rock	7.780	0.012	0.003	28.400	0.0002	0.011	<0.00009	0.014
43	Metasediment	Waste Rock	5.010	0.006	0.002	26.700	0.0003	0.013	<0.00009	0.009
44	Metasediment	Waste Rock	0.262	0.005	0.002	39.200	0.0007	0.112	0.0003	0.009
45	Metasediment	Waste Rock	0.301	0.002	0.002	31.700	0.0004	0.091	0.0001	0.002
46	Metasediment	Waste Rock	0.306	0.002	0.002	28.000	0.0002	0.044	<0.00009	0.001
47	Metasediment	Waste Rock	2.140	0.007	0.006	31.800	0.0006	0.025	0.0004	0.003
48	Metasediment	Waste Rock	10.700	0.005	0.003	19.000	0.0002	0.016	<0.00009	0.044
49	Metasediment	Waste Rock	0.833	0.020	0.004	11.400	0.0008	0.029	0.0002	0.063
50	Metasediment	Waste Rock	4.510	0.013	0.016	23.600	0.0005	0.005	<0.00009	0.761
51	Metasediment	Waste Rock	3.020	0.007	0.007	49.600	0.0011	0.032	0.0006	0.035
52	Metasediment	Waste Rock	4.080	0.006	0.005	28.400	0.0009	<0.003	<0.00009	0.022
53	Metasediment	Waste Rock	2.290	0.003	0.002	21.200	0.0002	0.037	<0.00009	0.005
54	Metasediment	Waste Rock	2.190	0.006	0.005	30.000	0.0005	0.049	0.0003	0.233
55	Metasediment	Waste Rock	6.820	0.001	0.003	15.500	0.0009	0.008	<0.00009	0.040
56	Amphibolite	Waste Rock	1.550	0.001	0.002	13.900	0.0002	0.015	<0.00009	0.004
57	Metasediment	Waste Rock	3.700	0.002	0.002	14.900	0.0003	0.038	<0.00009	0.002
58	Ultramafic	Waste Rock	34.400	0.001	0.002	11.400	0.0185	0.012	<0.00009	3.030
59	Ultramafic	Waste Rock	16.200	0.002	0.001	13.400	0.0031	0.034	<0.00009	0.097
60	Ultramafic	Waste Rock	42.100	0.001	0.003	3.440	0.0577	0.024	<0.00009	15.300
61	Ultramafic	Waste Rock	17.400	0.001	0.003	4.150	0.0020	0.013	<0.00009	0.900
62	Ultramafic	Waste Rock	41.400	0.003	0.004	3.040	0.1130	0.027	<0.00009	28.800
63	barren pegmatite	Waste Rock	0.150	0.004	0.006	49.700	0.0007	0.408	0.0005	0.232
64	barren pegmatite	Waste Rock	0.290	0.031	0.003	20.300	0.0007	1.150	0.0007	0.247
65	barren pegmatite	Waste Rock	0.055	0.005	0.003	20.300	0.0003	0.709	0.0007	0.154
66	barren pegmatite	Waste Rock	0.060	0.005	0.003	30.900	0.0003	0.455	0.0004	0.193
67	barren pegmatite	Waste Rock	0.034	0.003	0.004	26.400	0.0004	0.509	0.0003	0.052
68	barren pegmatite	Waste Rock	0.934	0.013	0.002	23.500	0.0004	0.231	0.0006	0.317
69	barren pegmatite	Waste Rock	0.200	0.025	0.007	68.000	0.0004	0.770	0.0007	0.117
70	barren pegmatite	Waste Rock	0.145	0.005	0.007	67.200	0.0003	0.418	0.0011	0.188
71	barren pegmatite	Waste Rock	0.173	0.017	0.005	46.300	0.0004	1.840	0.0011	0.375
72	barren pegmatite	Waste Rock	0.480	0.027	0.002	46.400	0.0016	0.399	0.0080	0.144
73	barren pegmatite	Waste Rock	0.040	0.011	0.009	21.000	0.0001	0.350	0.0003	0.124
74	Spodumene pegmatite	Ore	0.280	0.028	0.001	33.600	0.0007	1.700	0.0004	0.683
75	Spodumene pegmatite	Ore	0.212	0.006	0.002	49.900	0.0003	0.429	0.0003	0.452
76	Spodumene pegmatite	Ore	0.300	0.019	0.003	41.100	0.0003	0.620	0.0005	0.077
77	Spodumene pegmatite	Ore	0.130	0.034	0.002	20.300	0.0003	1.100	<0.00009	0.140
78	Spodumene pegmatite	Ore	0.254	0.029	0.004	41.200	0.0003	1.490	0.0006	0.144
79	Spodumene pegmatite	Ore	0.332	0.018	0.002	26.900	0.0005	0.849	0.0005	0.122
80	barren pegmatite	Waste Rock	0.917	0.009	0.003	36.100	0.0007	0.141	0.0004	0.208
81	Spodumene pegmatite	Ore	0.092	0.057	0.004	36.100	0.0001	1.630	0.0008	0.264
82	Spodumene pegmatite	Ore	0.220	0.059	0.002	44.100	0.0003	0.280	0.0006	0.056
83	DMS Tails	DMS Tailings	0.660	0.005	0.002	27.600	<0.001	0.507	0.0008	0.141
84	DMS Tails	DMS Tailings	0.120	0.008	0.003	27.000	<0.001	0.444	0.0009	0.135

		Component	Se (mg/l)	Si (mg/l)	Sn (mg/l)	Sr (mg/l)	Th (mg/l)	U (mg/l)	V (mg/l)	Ti (mg/l)	Zn (mg/l)
		MELCCFP Criteria	0.062			40.000	0.047	0.320	0.110		0.017
Sample ID	Lithology	Material Type									
39	Metasediment	Waste Rock	0.00214	2.760	0.00008	0.028	0.00014	0.00130	0.010	0.0066	0.002
40	Metasediment	Waste Rock	0.00045	2.110	<0.00006	0.014	0.00001	0.00538	0.020	0.0078	<0.002
41	Metasediment	Waste Rock	0.00031	3.150	<0.00006	0.023	<0.000005	0.00026	0.012	0.0062	<0.002
42	Metasediment	Waste Rock	0.00080	2.460	0.00007	0.056	0.00002	0.00041	0.003	0.0012	<0.002
43	Metasediment	Waste Rock	0.00062	2.150	<0.00006	0.051	0.00006	0.00064	0.006	0.0017	<0.002
44	Metasediment	Waste Rock	0.00023	3.680	<0.00006	0.005	0.00006	0.01080	0.113	0.0189	<0.002
45	Metasediment	Waste Rock	0.00018	2.810	<0.00006	0.006	0.00001	0.00461	0.103	0.0141	<0.002
46	Metasediment	Waste Rock	0.00026	1.950	<0.00006	0.005	0.00001	0.00578	0.094	0.0122	<0.002
47	Metasediment	Waste Rock	0.00243	2.270	<0.00006	0.006	0.00001	0.00426	0.014	0.0287	0.004
48	Metasediment	Waste Rock	0.00099	1.500	0.00007	0.035	0.00002	0.00025	0.008	0.0011	<0.002
49	Metasediment	Waste Rock	0.00008	3.070	0.00047	0.003	0.00157	0.00132	0.046	0.0626	<0.002
50	Metasediment	Waste Rock	0.00882	2.520	<0.00006	0.026	0.00027	0.00871	0.004	0.0021	0.004
51	Metasediment	Waste Rock	0.00220	3.450	0.00017	0.015	0.00002	0.00116	0.023	0.0165	<0.002
52	Metasediment	Waste Rock	0.00017	2.460	<0.00006	0.027	<0.000005	0.00776	0.005	0.0007	<0.002
53	Metasediment	Waste Rock	<0.00004	2.440	<0.00006	0.020	0.00001	0.00135	0.022	0.0020	<0.002
54	Metasediment	Waste Rock	0.00091	2.340	0.00008	0.014	0.00003	0.00761	0.021	0.0165	0.002
55	Metasediment	Waste Rock	0.00017	15.400	<0.00006	0.012	<0.000005	0.00038	0.036	0.0002	<0.002
56	Amphibolite	Waste Rock	0.00023	4.570	<0.00006	0.009	0.00001	0.00042	0.056	0.0006	<0.002
57	Metasediment	Waste Rock	0.00284	8.980	<0.00006	0.025	0.00001	0.00056	0.029	0.0027	<0.002
58	Ultramafic	Waste Rock	0.00035	14.800	<0.00006	0.050	0.00006	0.00027	0.006	0.0001	<0.002
59	Ultramafic	Waste Rock	0.00178	7.610	<0.00006	0.082	0.00001	0.00968	0.012	0.0004	<0.002
60	Ultramafic	Waste Rock	0.00123	16.200	<0.00006	0.028	0.00106	0.00060	0.005	0.0007	<0.002
61	Ultramafic	Waste Rock	0.00073	7.980	<0.00006	0.044	0.00002	0.00008	0.008	0.0007	<0.002
62	Ultramafic	Waste Rock	0.00193	23.300	<0.00006	0.031	0.00006	0.00124	0.007	0.0010	<0.002
63	barren pegmatite	Waste Rock	0.00058	7.120	0.00025	0.001	0.00096	0.06200	0.008	0.0005	<0.002
64	barren pegmatite	Waste Rock	0.00034	12.700	0.00487	0.002	0.00442	0.02310	0.004	0.0046	0.004
65	barren pegmatite	Waste Rock	0.00018	8.670	0.00019	0.001	0.00215	0.00475	0.003	0.0003	<0.002
66	barren pegmatite	Waste Rock	0.00026	6.510	0.00055	0.001	0.00135	0.02690	0.004	0.0005	<0.002
67	barren pegmatite	Waste Rock	0.00005	10.400	0.00011	0.001	0.00174	0.00096	0.004	0.0002	<0.002
68	barren pegmatite	Waste Rock	0.00044	4.940	0.00047	0.003	0.00225	0.02450	0.138	0.0079	0.003
69	barren pegmatite	Waste Rock	0.00029	11.800	0.00105	0.002	0.00037	0.06940	0.007	0.0022	<0.002
70	barren pegmatite	Waste Rock	0.00218	7.110	0.00067	0.001	0.00055	0.02710	0.010	0.0006	0.005
71	barren pegmatite	Waste Rock	0.00071	7.000	0.00125	0.002	0.00102	0.04640	0.020	0.0022	0.003
72	barren pegmatite	Waste Rock	0.00256	4.520	0.00200	0.002	0.00179	0.08170	0.044	0.0072	0.032
73	barren pegmatite	Waste Rock	0.00004	8.900	0.00107	0.001	0.00118	0.08050	0.003	0.0015	<0.002
74	Spodumene pegmatite	Ore	<0.00004	12.600	0.00277	0.001	0.00186	0.01990	0.002	0.0033	<0.002
75	Spodumene pegmatite	Ore	0.00023	10.500	0.00042	0.001	0.00060	0.03260	0.003	0.0004	<0.002
76	Spodumene pegmatite	Ore	0.00017	5.830	0.00226	0.003	0.00095	0.01320	0.003	0.0018	<0.002
77	Spodumene pegmatite	Ore	<0.00004	7.370	0.00208	0.002	0.00100	0.04600	0.001	0.0020	<0.002
78	Spodumene pegmatite	Ore	0.00059	6.150	0.00142	0.004	0.00141	0.01130	0.011	0.0017	0.003
79	Spodumene pegmatite	Ore	0.00007	7.540	0.00093	0.001	0.00179	0.05560	0.003	0.0148	<0.002
80	barren pegmatite	Waste Rock	0.00067	3.350	0.00102	0.005	0.00137	0.01950	0.006	0.0021	<0.002
81	Spodumene pegmatite	Ore	0.00026	7.250	0.00240	0.001	0.00113	0.05790	0.010	0.0036	0.005
82	Spodumene pegmatite	Ore	0.00031	10.900	0.01001	0.002	0.00197	0.11100	0.010	0.0127	0.011
83	DMS Tails	DMS Tailings	<0.00004	14.100	0.00023	0.004	0.00250	0.00911	0.003	0.0010	<0.02
84	DMS Tails	DMS Tailings	<0.00004	10.300	0.00025	0.003	0.00309	0.01920	0.002	0.0009	<0.02

		Component	pH	Alkalinity (mgCaCO3/l)	Alkalinity (mgCaCO3/l)	Conductivity (µS/cm)	F^- (mg/l)	SO_4^{2-} (mg/l)	Cl^- (mg/l)	Br^- (mg/l)
		Directive 019 criteria					150			
Sample ID	**Lithology**	**Material Type**								
1	Amphibolite	Waste Rock	5.28	2200	1040	5540	0.06	<20.0	<20.0	<30.0
2	Amphibolite	Waste Rock	5.07	1780	1470	5090	0.06	<20.0	<20.0	<30.0
3	Amphibolite	Waste Rock	5.73	2720	496	6190	0.06	<20.0	<20.0	<30.0
4	Amphibolite	Waste Rock	5	1600	1640	4880	0.06	<20.0	<20.0	<30.0
5	Amphibolite	Waste Rock	5.11	1830	1440	5160	0.58	<20.0	<20.0	<30.0
6	Amphibolite	Waste Rock	7.14	3270	813	6660	0.06	<20.0	<20.0	<30.0
7	Amphibolite	Waste Rock	5.69	2680	1370	5990	0.06	<20.0	<20.0	<30.0
8	Amphibolite	Waste Rock	5.05	1660	2390	4820	0.12	<20.0	<20.0	<30.0
9	Amphibolite	Waste Rock	5.05	1770	1510	5010	0.06	<20.0	<20.0	<30.0
10	Amphibolite	Waste Rock	5.03	1660	1560	4970	0.06	<20.0	<20.0	<30.0
11	Amphibolite	Waste Rock	5.79	2800	1270	5920	0.06	<20.0	<20.0	<30.0
12	Amphibolite	Waste Rock	6.96	3250	911	6540	0.06	<20.0	<20.0	<30.0
13	Amphibolite	Waste Rock	5.65	2620	1240	5880	0.06	<20.0	<20.0	<30.0
14	Amphibolite	Waste Rock	5.37	2300	1720	5310	0.06	<20.0	<20.0	<30.0
15	Amphibolite	Waste Rock	7.11	3240	746	6590	0.06	<20.0	<20.0	<30.0
16	Metasediment	Waste Rock	5.22	2070	2000	5100	0.24	<20.0	<20.0	<30.0
17	Amphibolite	Waste Rock	5.16	1910	2150	5070	0.06	<20.0	<20.0	<30.0
18	Amphibolite	Waste Rock	5.23	2030	1850	5110	0.06	<20.0	<20.0	<30.0
19	barren pegmatite	Waste Rock	5.28	2180	1780	5290	0.06	<20.0	<20.0	<30.0
20	Amphibolite	Waste Rock	5.1	1770	2240	4930	0.06	<32.0	<20.0	<30.0
21	Amphibolite	Waste Rock	6.47	3000	1020	6260	0.06	<20.0	<20.0	<30.0
22	Amphibolite	Waste Rock	5.09	1850	1420	5090	0.32	<20.0	<20.0	<30.0
23	Metasediment	Waste Rock	5.04	1670	2450	4760	0.06	<26.0	<20.0	<30.0
24	Amphibolite	Waste Rock	5.07	1820	2330	4790	0.06	<20.0	<20.0	<30.0
25	Metasediment	Waste Rock	5.08	1800	2170	4680	0.06	<20.0	<20.0	<30.0
26	Amphibolite	Waste Rock	5.29	2140	1800	5330	0.06	<20.0	<20.0	<30.0
27	Amphibolite	Waste Rock	5.33	2220	1660	5380	0.06	<20.0	<20.0	<30.0
28	Amphibolite	Waste Rock	4.99	1650	1770	4830	4.88	<20.0	<20.0	<30.0
29	Amphibolite	Waste Rock	5.26	2230	1080	5470	0.14	<20.0	<20.0	<30.0
30	Amphibolite	Waste Rock	5.41	2530	821	5770	0.06	<20.0	<20.0	<30.0
31	Metasediment	Waste Rock	5.04	1650	2400	4790	2.41	<20.0	<20.0	<30.0
32	Amphibolite	Waste Rock	5.48	2420	1480	5690	0.06	<20.0	<20.0	<30.0
33	Amphibolite	Waste Rock	6.18	3010	1070	6130	0.06	<20.0	<20.0	<30.0
34	Metasediment	Waste Rock	5.05	1720	2340	4710	4.19	<20.0	<20.0	<30.0
35	Metasediment	Waste Rock	5.11	1820	2070	4950	0.06	<20.0	<20.0	<30.0
36	Ultramafic	Waste Rock	5.35	2290	1760	5470	0.27	<20.0	<20.0	<30.0
37	Amphibolite	Waste Rock	5.61	2610	1530	5890	2.4	<20.0	<20.0	<30.0
38	Metasediment	Waste Rock	4.96	1640	1700	4910	0.37	<20.0	<20.0	<30.0
39	Metasediment	Waste Rock	4.98	1670	1720	4950	1.24	<20.0	<20.0	<30.0
40	Metasediment	Waste Rock	5.02	1550	1970	5050	0.51	<20.0	<20.0	<30.0
41	Metasediment	Waste Rock	4.97	1780	1640	4970	0.06	<20.0	<20.0	<30.0
42	Metasediment	Waste Rock	4.99	1480	1790	4970	0.06	<20.0	<20.0	<30.0
43	Metasediment	Waste Rock	4.99	1680	1660	4970	0.06	<20.0	<20.0	<30.0
44	Metasediment	Waste Rock	5.09	1880	1380	5280	0.06	<20.0	<20.0	<30.0
45	Metasediment	Waste Rock	5.04	4650	4620	5190	0.06	<20.0	<20.0	<30.0
46	Metasediment	Waste Rock	5.13	1960	1340	5380	0.06	<20.0	<20.0	<30.0

		Component	NO_2^- (mg/l as N)	NO_3^- (as N)	$NO_3^- + NO_2^-$ (mg/l as N)	Total Reactive Phosphorous (o-phosphate as P)	Hg (mg/l)	Al (mg/l)	As (mg/l)	Ag (mg/l)
		Directive 019 criteria	100		1000		0.1		5	
Sample ID	**Lithology**	**Material Type**								
1	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.46	<0.002	<0.0005
2	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.1	0.015	<0.0005
3	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.09	<0.002	<0.0005
4	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.84	0.011	<0.0005
5	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.31	0.173	<0.0005
6	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	<0.01	<0.002	<0.0005
7	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.07	0.002	<0.0005
8	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.12	<0.002	<0.0005
9	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.99	<0.002	<0.0005
10	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.9	0.008	<0.0005
11	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.09	0.008	<0.0005
12	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	<0.01	<0.002	<0.0005
13	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.15	0.013	<0.0005
14	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.37	0.007	<0.0005
15	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	<0.01	0.013	<0.0005
16	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.82	0.002	<0.0005
17	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.56	0.008	<0.0005
18	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.72	0.015	<0.0005
19	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.51	<0.002	<0.0005
20	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.7	<0.002	<0.0005
21	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	<0.01	0.129	<0.0005
22	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.17	0.053	<0.0005
23	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.77	0.002	<0.0005
24	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.91	0.003	<0.0005
25	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.04	<0.00001	0.62	0.179	<0.0005
26	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.64	<0.002	<0.0005
27	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.4	0.005	<0.0005
28	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	4.05	0.04	<0.0005
29	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.53	0.049	<0.0005
30	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.3	0.002	<0.0005
31	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	2.93	0.047	<0.0005
32	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.21	0.003	<0.0005
33	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	<0.01	<0.002	<0.0005
34	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	4.24	0.04	<0.0005
35	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.83	0.008	<0.0005
36	Ultramafic	Waste Rock	<3.0	<6.0	<6.0	<0.09	<0.00001	0.19	5.8	<0.0005
37	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.77	0.995	<0.0005
38	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.21	0.005	<0.0005
39	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	2.18	0.023	<0.0005
40	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.72	0.007	<0.0005
41	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.19	0.003	<0.0005
42	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.15	0.003	<0.0005
43	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.38	0.002	<0.0005
44	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.8	0.007	<0.0005
45	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.81	0.004	<0.0005
46	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.75	0.004	<0.0005

		Component	Ba (mg/l)	B (mg/l)	Be (mg/l)	Bi (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
		Directive 019 criteria	100	500				0.5	5			
Sample ID	**Lithology**	**Material Type**										
1	Amphibolite	Waste Rock	0.261	<0.02	<0.00007	0.00002	235	0.00029	0.0085	0.00457	<0.002	5.89
2	Amphibolite	Waste Rock	0.0868	0.02	0.00051	0.00001	75.9	0.00015	0.0148	0.015	<0.002	6.79
3	Amphibolite	Waste Rock	0.333	<0.02	<0.00007	<0.00001	464	0.00033	<0.0008	0.00442	<0.002	11.2
4	Amphibolite	Waste Rock	0.0273	<0.02	0.00016	0.00002	12.5	<0.00003	0.0109	0.00689	0.005	1.85
5	Amphibolite	Waste Rock	0.0435	<0.02	0.00054	0.00002	110	0.00015	0.0141	0.0276	0.007	2.43
6	Amphibolite	Waste Rock	0.0201	<0.02	<0.00007	0.00001	690	0.00039	<0.0008	0.00379	<0.002	0.15
7	Amphibolite	Waste Rock	0.0172	<0.02	<0.00007	0.00002	451	0.00011	<0.0008	0.0132	0.012	1.66
8	Amphibolite	Waste Rock	0.0124	<0.02	<0.00007	<0.00001	55.5	0.0001	0.0067	0.0171	0.046	2.34
9	Amphibolite	Waste Rock	0.00645	<0.02	<0.00007	0.00001	61.6	<0.00003	0.0068	0.00295	0.013	2.23
10	Amphibolite	Waste Rock	0.0477	<0.02	0.00007	<0.00001	46.3	<0.00003	0.0031	0.00793	0.012	3.85
11	Amphibolite	Waste Rock	0.0251	<0.02	0.00026	<0.00001	500	0.00014	0.0008	0.00496	<0.002	3.31
12	Amphibolite	Waste Rock	0.0164	<0.02	<0.00007	<0.00001	661	0.00027	<0.0008	0.00318	<0.002	0.55
13	Amphibolite	Waste Rock	0.0227	0.02	0.00139	0.00002	432	0.00022	0.0011	0.00962	<0.002	2.03
14	Amphibolite	Waste Rock	0.0129	<0.02	0.00024	0.00003	309	0.00015	0.0044	0.0105	0.007	3.32
15	Amphibolite	Waste Rock	0.0232	<0.02	<0.00007	0.00001	668	0.00031	<0.0008	0.00396	<0.002	0.23
16	Metasediment	Waste Rock	0.256	<0.02	0.00021	0.00007	191	0.0019	0.0061	0.0122	<0.002	14.3
17	Amphibolite	Waste Rock	0.275	<0.02	<0.00007	0.00002	145	0.00042	0.004	0.0165	<0.002	29.5
18	Amphibolite	Waste Rock	0.0436	<0.02	0.00115	<0.00001	209	0.00033	0.0057	0.0195	0.021	1.99
19	barren pegmatite	Waste Rock	0.0168	<0.02	<0.00007	<0.00001	255	0.00025	0.0063	0.00455	0.005	1.74
20	Amphibolite	Waste Rock	0.744	<0.02	<0.00007	0.00002	76.6	0.00008	0.0088	0.0247	<0.002	52.9
21	Amphibolite	Waste Rock	0.455	<0.02	<0.00007	0.00002	571	0.00023	<0.0008	0.00487	<0.002	5.9
22	Amphibolite	Waste Rock	0.0165	<0.02	0.00138	<0.00001	94.5	0.00015	0.0268	0.02442	0.003	2.22
23	Metasediment	Waste Rock	0.132	<0.02	0.00045	0.00002	37.6	0.00025	0.0081	0.04246	<0.002	32.1
24	Amphibolite	Waste Rock	0.673	<0.02	<0.00007	<0.00001	80.4	0.00017	0.0059	0.00273	<0.002	4.79
25	Metasediment	Waste Rock	0.195	0.07	0.00009	0.00004	82.4	<0.00003	0.0459	0.00863	<0.002	2.26
26	Amphibolite	Waste Rock	0.0704	0.02	0.00007	<0.00001	256	0.00009	0.0072	0.00373	<0.002	3.52
27	Amphibolite	Waste Rock	0.0238	<0.02	0.00023	0.00002	289	0.00008	0.0066	0.02698	0.012	3.46
28	Amphibolite	Waste Rock	0.0607	0.04	0.00513	0.00006	47.3	0.00048	0.0097	0.0239	0.004	2.83
29	Amphibolite	Waste Rock	0.102	<0.02	0.00252	<0.00001	244	0.00032	0.005	0.0199	<0.002	3.25
30	Amphibolite	Waste Rock	0.0906	<0.02	0.00015	0.00003	367	0.00061	0.0019	0.0036	0.009	4.68
31	Metasediment	Waste Rock	0.118	0.03	0.00106	<0.00001	47.6	0.00012	0.0154	0.00872	<0.002	5.97
32	Amphibolite	Waste Rock	0.16	<0.02	<0.00007	0.00002	365	0.00023	0.0012	0.00395	0.004	9.14
33	Amphibolite	Waste Rock	0.293	<0.02	<0.00007	0.00002	565	0.00022	<0.0008	0.00468	<0.002	7.43
34	Metasediment	Waste Rock	0.117	0.03	0.00135	0.00002	47.8	0.00024	0.0061	0.0111	<0.002	8.05
35	Metasediment	Waste Rock	0.26	<0.02	0.00009	<0.00001	109	0.00031	0.0071	0.00508	<0.002	5.39
36	Ultramafic	Waste Rock	0.0543	0.06	0.00287	0.00002	210	0.0004	0.0422	0.0483	<0.002	7.02
37	Amphibolite	Waste Rock	0.0345	0.13	0.00567	0.00003	429	0.00101	0.0019	0.03	0.016	1.68
38	Metasediment	Waste Rock	0.0305	<0.02	0.00751	0.0001	14	0.00078	0.0055	0.00843	0.044	1.84
39	Metasediment	Waste Rock	0.0547	<0.02	0.002	0.00006	33.4	0.00061	0.0122	0.0173	<0.002	2.13
40	Metasediment	Waste Rock	0.0769	<0.02	0.00058	0.00002	69.3	0.00048	0.0139	0.012	<0.002	4.35
41	Metasediment	Waste Rock	0.0595	<0.02	0.00063	0.00005	30.2	0.00043	0.0139	0.00735	<0.002	2.29
42	Metasediment	Waste Rock	0.0845	<0.02	0.00034	0.00003	45.5	0.00059	0.0084	0.00979	<0.002	3.31
43	Metasediment	Waste Rock	0.217	0.03	0.00031	0.00005	43.9	0.00034	0.0832	0.0119	<0.002	5.5
44	Metasediment	Waste Rock	0.19	<0.02	0.00033	0.00004	139	0.0004	0.0131	0.00455	<0.002	2.21
45	Metasediment	Waste Rock	0.288	<0.02	0.00016	0.00006	100	0.00044	0.0142	0.00268	<0.002	3.06
46	Metasediment	Waste Rock	0.483	<0.02	0.00014	0.00004	170	0.00046	0.0146	0.00309	<0.002	5.3

		Component	K (mg/l)	Li (mg/l)	Mg (mg/l)	Mn (mg/l)	Mo (mg/l)	Na (mg/l)	Ni (mg/l)	P (mg/l)	Pb (mg/l)	Sb (mg/l)
		Directive 019 criteria									5	
Sample ID	**Lithology**	**Material Type**										
1	Amphibolite	Waste Rock	15.2	0.092	2.73	2.54	0.0004	1360	0.02	<0.003	0.00092	<0.009
2	Amphibolite	Waste Rock	6.45	0.098	3.48	0.591	<0.0004	1400	0.054	<0.003	0.00955	<0.009
3	Amphibolite	Waste Rock	11.8	0.095	4.01	5.91	0.0009	1440	0.004	0.037	0.0001	<0.009
4	Amphibolite	Waste Rock	2.78	0.061	3.16	0.166	<0.0004	1450	0.009	<0.003	0.00028	<0.009
5	Amphibolite	Waste Rock	3.27	0.165	3.7	0.739	<0.0004	1300	0.312	0.006	0.00076	0.054
6	Amphibolite	Waste Rock	1.15	0.018	4.08	6.86	0.0011	1420	0.009	<0.003	<0.00009	<0.009
7	Amphibolite	Waste Rock	2.04	0.025	3.81	2.79	0.0006	1270	0.028	<0.003	0.00021	<0.009
8	Amphibolite	Waste Rock	1.19	0.027	2.24	0.288	<0.0004	1260	0.032	<0.003	0.00013	<0.009
9	Amphibolite	Waste Rock	0.89	0.004	1.82	0.214	<0.0004	1290	0.009	<0.003	0.00018	<0.009
10	Amphibolite	Waste Rock	1.75	0.033	2.46	0.264	0.0014	1290	0.009	<0.003	0.0003	<0.009
11	Amphibolite	Waste Rock	1.74	0.043	2.69	2.83	<0.0004	1460	0.026	<0.003	0.00022	0.02
12	Amphibolite	Waste Rock	1.68	0.008	2.73	4	<0.0004	1430	0.012	<0.003	<0.00009	<0.009
13	Amphibolite	Waste Rock	2.22	0.07	5.18	3.03	<0.0004	1430	0.021	<0.003	0.00013	<0.009
14	Amphibolite	Waste Rock	1.03	0.025	2.89	1.92	<0.0004	1300	0.019	<0.003	0.00101	<0.009
15	Amphibolite	Waste Rock	2	0.019	3.61	4.16	0.0013	1240	0.015	<0.003	0.00012	<0.009
16	Metasediment	Waste Rock	13.1	0.124	1.91	2.37	<0.0004	1290	0.11	<0.003	0.96	<0.009
17	Amphibolite	Waste Rock	21.7	0.129	1.57	1.92	0.0017	1290	0.201	<0.003	0.0772	0.022
18	Amphibolite	Waste Rock	3.28	0.058	3.27	0.893	0.0005	1390	0.049	<0.003	0.00172	0.013
19	barren pegmatite	Waste Rock	0.93	0.011	1.65	1.95	0.0006	1400	0.02	<0.003	0.00012	<0.009
20	Amphibolite	Waste Rock	25.6	0.176	1.63	0.466	<0.0004	1410	0.058	<0.003	0.00105	<0.009
21	Amphibolite	Waste Rock	13.3	0.037	5.95	6.73	<0.0004	1280	0.145	<0.003	<0.00009	<0.009
22	Amphibolite	Waste Rock	1.71	0.099	5.59	0.377	<0.0004	1270	0.066	<0.003	0.00634	<0.009
23	Metasediment	Waste Rock	8.78	0.085	3.69	0.61	<0.0004	1290	0.127	<0.003	0.00448	<0.009
24	Amphibolite	Waste Rock	14.7	0.038	1.66	0.817	0.001	1300	0.004	<0.003	0.00179	<0.009
25	Metasediment	Waste Rock	8.12	0.053	3.2	0.23	0.0032	1280	0.244	<0.003	0.00122	<0.009
26	Amphibolite	Waste Rock	2.01	0.052	2.9	1.13	<0.0004	1410	0.013	<0.003	0.00031	<0.009
27	Amphibolite	Waste Rock	2.08	0.021	3.09	1.48	<0.0004	1290	0.054	<0.003	0.00147	<0.009
28	Amphibolite	Waste Rock	3.23	0.103	4.54	0.476	0.0007	1250	0.053	0.07	0.00151	0.014
29	Amphibolite	Waste Rock	6.74	0.182	5.97	1.87	<0.0004	1510	0.087	0.006	0.0139	0.052
30	Amphibolite	Waste Rock	3.44	0.046	3.02	3.28	0.0005	1280	0.005	0.04	0.00055	<0.009
31	Metasediment	Waste Rock	10.6	0.231	2.21	0.568	0.0041	1270	0.016	<0.003	0.00105	0.01
32	Amphibolite	Waste Rock	6.9	0.035	3.57	3.4	0.0005	1310	0.003	<0.003	0.00011	<0.009
33	Amphibolite	Waste Rock	12.5	0.101	5.01	6.17	0.0014	1340	0.003	<0.003	0.00022	<0.009
34	Metasediment	Waste Rock	10.1	0.306	2.08	0.62	0.0023	1310	0.022	<0.003	0.00876	0.016
35	Metasediment	Waste Rock	16.3	0.181	2.09	1.28	0.0012	1280	0.01	<0.003	0.00194	<0.009
36	Ultramafic	Waste Rock	2.71	0.038	49.2	2.07	0.0012	1280	6.62	<0.003	0.00096	1.1
37	Amphibolite	Waste Rock	4.38	0.122	2.51	3.95	0.0025	1420	0.23	<0.003	0.00054	0.205
38	Metasediment	Waste Rock	3.59	0.135	2.91	0.287	0.0006	1380	0.007	0.01	0.00454	<0.009
39	Metasediment	Waste Rock	4.17	0.111	3.54	0.414	0.0006	1310	0.07	0.05	0.141	0.02
40	Metasediment	Waste Rock	4.36	0.123	1.47	0.637	0.0015	1290	0.02	0.06	0.00111	0.011
41	Metasediment	Waste Rock	5.33	0.064	3.42	0.476	0.0018	1310	0.012	0.07	0.00773	<0.009
42	Metasediment	Waste Rock	7.49	0.07	2.62	0.914	0.0006	1330	0.021	0.05	0.0364	<0.009
43	Metasediment	Waste Rock	13	0.103	2.3	0.428	0.0009	1270	0.026	0.06	0.00132	<0.009
44	Metasediment	Waste Rock	7.99	0.1	0.64	1.16	0.0029	1280	0.005	0.08	0.00486	<0.009
45	Metasediment	Waste Rock	13.2	0.007	0.63	1.31	0.0032	1330	0.005	0.08	0.00402	<0.009
46	Metasediment	Waste Rock	19.3	0.013	1	2.51	0.0035	1280	0.005	0.06	0.00151	<0.009

		Component	Se (mg/l)	Si (mg/l)	Sn (mg/l)	Sr (mg/l)	Ti (mg/l)	Th (mg/l)	U (mg/l)	V (mg/l)	Zn (mg/l)
		Directive 019 criteria	1						2		
Sample ID	**Lithology**	**Material Type**									
1	Amphibolite	Waste Rock	<0.0004	2.27	<0.00006	0.0956	0.0017	0.00007	0.000054	0.0015	0.03
2	Amphibolite	Waste Rock	0.0017	2.86	<0.00006	0.0815	0.0006	0.00033	0.00116	0.00034	0.04
3	Amphibolite	Waste Rock	0.0013	1.48	<0.00006	0.17	<0.0005	0.00013	0.000084	0.00033	0.03
4	Amphibolite	Waste Rock	0.0011	2.42	<0.00006	0.0161	0.001	0.00012	0.00157	0.00119	0.02
5	Amphibolite	Waste Rock	<0.0004	2.8	<0.00006	0.082	<0.0005	0.00065	0.000167	0.00055	0.03
6	Amphibolite	Waste Rock	0.001	1.38	<0.00006	0.231	<0.0005	<0.00005	0.000166	0.00011	<0.02
7	Amphibolite	Waste Rock	<0.0004	2	0.00008	0.132	<0.0005	<0.00005	0.00081	0.00008	<0.02
8	Amphibolite	Waste Rock	<0.0004	3.02	<0.00006	0.0337	0.0006	<0.00005	0.00006	0.00088	0.03
9	Amphibolite	Waste Rock	0.0007	2.89	<0.00006	0.021	0.0007	<0.00005	0.00004	0.0015	<0.02
10	Amphibolite	Waste Rock	0.0018	2.74	<0.00006	0.0294	<0.0005	<0.00005	0.000348	0.00057	0.02
11	Amphibolite	Waste Rock	0.0007	1.59	<0.00006	0.15	<0.0005	0.00006	0.000051	0.00035	<0.02
12	Amphibolite	Waste Rock	0.0005	1.32	0.00007	0.171	<0.0005	<0.00005	0.000091	0.00006	0.02
13	Amphibolite	Waste Rock	0.001	2.49	<0.00006	0.193	<0.0005	0.00006	0.000101	0.00028	<0.02
14	Amphibolite	Waste Rock	0.0025	1.98	0.00016	0.0906	0.0007	<0.00005	0.0001	0.00045	0.02
15	Amphibolite	Waste Rock	0.0011	1.66	0.00008	0.18	<0.0005	<0.00005	0.000082	0.00011	<0.02
16	Metasediment	Waste Rock	0.0016	1.82	<0.00006	0.0793	<0.0005	0.00077	0.000495	0.0001	1.26
17	Amphibolite	Waste Rock	0.0011	1.57	<0.00006	0.0886	<0.0005	0.00023	0.000118	0.00004	0.22
18	Amphibolite	Waste Rock	0.0006	2.69	<0.00006	0.0792	<0.0005	0.00022	0.00101	0.00047	0.03
19	barren pegmatite	Waste Rock	<0.0004	1.82	0.00009	0.104	<0.0005	<0.00005	0.000094	0.00082	0.03
20	Amphibolite	Waste Rock	<0.0004	2.42	<0.00006	0.0451	<0.0005	<0.00005	0.000338	<0.00001	0.03
21	Amphibolite	Waste Rock	0.0017	1.36	0.00015	0.259	<0.0005	0.00012	0.000066	0.00001	0.02
22	Amphibolite	Waste Rock	0.001	3.34	0.00007	0.074	<0.0005	0.00011	0.00171	0.00039	0.03
23	Metasediment	Waste Rock	0.0014	2.57	<0.00006	0.0529	<0.0005	0.0002	0.00563	0.00004	0.06
24	Amphibolite	Waste Rock	0.0018	1.79	<0.00006	0.0776	0.0009	0.00007	0.00148	0.00191	0.03
25	Metasediment	Waste Rock	0.0015	1.93	<0.00006	0.054	<0.0005	0.00017	0.0031	0.00086	0.02
26	Amphibolite	Waste Rock	<0.0004	2.34	0.00008	0.0673	<0.0005	<0.00005	0.00002	0.00063	<0.02
27	Amphibolite	Waste Rock	<0.0004	2.36	0.00014	0.113	<0.0005	<0.00005	0.00236	0.0004	0.03
28	Amphibolite	Waste Rock	0.0064	3.72	0.00041	0.0571	0.0059	0.00091	0.01096	0.00063	<0.02
29	Amphibolite	Waste Rock	0.0008	4.07	<0.00006	0.2	0.0006	0.00035	0.000969	0.00018	0.03
30	Amphibolite	Waste Rock	0.0056	1.88	0.00009	0.165	0.0052	0.00014	0.000219	0.00008	0.02
31	Metasediment	Waste Rock	0.0018	3.6	<0.00006	0.144	0.0015	0.00088	0.00481	0.00362	0.03
32	Amphibolite	Waste Rock	0.0008	1.57	<0.00006	0.146	<0.0005	0.00008	0.000096	0.00046	0.02
33	Amphibolite	Waste Rock	0.0027	1.29	0.00018	0.176	<0.0005	0.00018	0.000041	0.00004	0.02
34	Metasediment	Waste Rock	0.0028	4.2	<0.00006	0.0532	0.0017	0.00207	0.00429	0.00202	0.04
35	Metasediment	Waste Rock	0.0023	2.43	<0.00006	0.0491	0.0016	0.00009	0.0028	0.00178	0.03
36	Ultramafic	Waste Rock	0.0009	2.78	0.00007	0.113	<0.0005	0.00053	0.000651	0.00059	0.02
37	Amphibolite	Waste Rock	<0.0004	2.21	<0.00006	0.256	<0.0005	0.0019	0.00387	0.00032	0.03
38	Metasediment	Waste Rock	<0.0004	2.79	0.00011	0.0744	<0.0005	0.00038	0.006076	0.00011	<0.02
39	Metasediment	Waste Rock	0.0045	2.63	0.00011	0.0556	0.0049	0.0004	0.00514	0.00054	0.06
40	Metasediment	Waste Rock	0.0062	2.39	0.00013	0.0635	0.0055	0.0002	0.00375	0.00093	<0.02
41	Metasediment	Waste Rock	0.0057	2.65	0.00013	0.0796	0.0056	0.00007	0.00194	0.00041	<0.02
42	Metasediment	Waste Rock	0.0051	2.04	<0.00006	0.0689	0.0047	0.00011	0.00215	0.00012	0.05
43	Metasediment	Waste Rock	0.0037	2.57	0.00031	0.0776	0.005	0.0002	0.00175	0.00016	0.02
44	Metasediment	Waste Rock	0.0046	1.45	0.00008	0.107	0.0078	0.00017	0.00558	0.00261	<0.02
45	Metasediment	Waste Rock	0.0052	1.46	0.00049	0.0962	0.0055	0.00017	0.00338	0.00408	<0.02
46	Metasediment	Waste Rock	0.005	1.66	0.00017	0.139	0.0065	0.0002	0.00378	0.00393	<0.02

		Component	pH	Alkalinity (mgCaCO3/l)	Alkalinity (mgCaCO3/l)	Conductivity (µS/cm)	F^- (mg/l)	SO_4^{2-} (mg/l)	Cl^- (mg/l)	Br^- (mg/l)
		Directive 019 criteria					150			
Sample ID	**Lithology**	**Material Type**								
47	Metasediment	Waste Rock	4.97	1540	1680	4940	0.06	<20.0	<20.0	<30.0
48	Metasediment	Waste Rock	5.55	2640	677	5890	0.06	<20.0	<20.0	<30.0
49	Metasediment	Waste Rock	4.98	1620	1870	5040	3.67	<20.0	<20.0	<30.0
50	Metasediment	Waste Rock	5.01	1620	1660	5060	0.32	<20.0	<20.0	<30.0
51	Metasediment	Waste Rock	4.96	1520	1710	4950	0.06	<20.0	<20.0	<30.0
52	Metasediment	Waste Rock	5.11	1890	1390	5340	0.06	<20.0	<20.0	<30.0
53	Metasediment	Waste Rock	5.1	1830	1390	5350	0.23	<20.0	<20.0	<30.0
54	Metasediment	Waste Rock	4.97	1630	1750	4800	2.51	<20.0	<20.0	<30.0
55	Metasediment	Waste Rock	5.29	2270	964	5740	0.12	<20.0	<20.0	<30.0
56	Amphibolite	Waste Rock	5.7	2910	283	6600	0.06	<20.0	<20.0	<30.0
57	Metasediment	Waste Rock	5.76	2800	552	6440	0.06	<20.0	<20.0	<30.0
58	Ultramafic	Waste Rock	5.58	2640	703	6200	0.06	<20.0	<20.0	<30.0
59	Ultramafic	Waste Rock	5.03	1690	1580	5120	0.06	<20.0	<20.0	<30.0
60	Ultramafic	Waste Rock	5.56	2570	654	6190	0.12	<20.0	<20.0	<30.0
61	Ultramafic	Waste Rock	5.77	2820	529	6450	0.06	<20.0	<20.0	<30.0
62	Ultramafic	Waste Rock	6.56	3160	176	6790	0.16	<20.0	<20.0	<30.0
63	barren pegmatite	Waste Rock	4.97	1520	1720	5000	0.06	<20.0	<20.0	<30.0
64	barren pegmatite	Waste Rock	4.95	1540	1850	4910	0.25	<20.0	<20.0	<30.0
65	barren pegmatite	Waste Rock	4.94	1520	1710	4920	0.1	<20.0	<20.0	<30.0
66	barren pegmatite	Waste Rock	4.94	1480	1780	4900	0.08	<20.0	<20.0	<30.0
67	barren pegmatite	Waste Rock	4.94	1450	1870	4880	0.06	<20.0	<20.0	<30.0
68	barren pegmatite	Waste Rock	4.94	1540	1760	4720	0.33	<20.0	<20.0	<30.0
69	barren pegmatite	Waste Rock	4.98	1620	1680	5000	0.18	<20.0	<20.0	<30.0
70	barren pegmatite	Waste Rock	4.97	1570	1760	4870	0.18	<20.0	<20.0	<30.0
71	barren pegmatite	Waste Rock	4.94	1480	1780	4640	0.11	<20.0	<20.0	<30.0
72	barren pegmatite	Waste Rock	4.96	1620	1790	4720	0.73	<20.0	<20.0	<30.0
73	barren pegmatite	Ore	4.94	1470	1760	4900	0.13	<20.0	<20.0	<30.0
74	Spodumene pegmatite	Ore	4.94	1460	1790	4870	0.21	<20.0	<20.0	<30.0
75	Spodumene pegmatite	Ore	4.95	1490	1800	4950	0.07	<20.0	<20.0	<30.0
76	Spodumene pegmatite	Ore	4.97	1560	1700	4980	0.15	<20.0	<20.0	<30.0
77	Spodumene pegmatite	Ore	4.95	1570	1830	4960	0.33	<20.0	<20.0	<30.0
78	Spodumene pegmatite	Ore	4.98	1560	1670	4810	0.34	<20.0	<20.0	<30.0
79	Spodumene pegmatite	Ore	4.94	1530	1760	4890	0.11	<20.0	<20.0	<30.0
80	barren pegmatite	Ore	4.95	1570	1710	4880	0.12	<20.0	<20.0	<30.0
81	Spodumene pegmatite	Ore	4.93	1180	1740	4660	0.22	<20.0	<20.0	<30.0
81_DUP	Spodumene pegmatite	Ore	4.93	1170	1420	4710	0.23	<20.0	<20.0	<30.0
82	Spodumene pegmatite	Ore	5.01	1640	1600	5150	0.4	<20.0	<20.0	<30.0
83	DMS Tails	Tailings	4.91	1280	1650	4500	0.1	<20.0	<20.0	<30.0
84	DMS Tails	Tailings	4.91	1300	1660	4630	0.16	<20.0	<20.0	<30.0

		Component	NO_2^- (mg/l as N)	NO_3^- (as N)	$NO_3^- + NO_2^-$ (mg/l as N)	Total Reactive Phosphorous (o-phosphate as P)	Hg (mg/l)	Al (mg/l)	As (mg/l)	Ag (mg/l)
		Directive 019 criteria	100		1000		0.1		5	
Sample ID	**Lithology**	**Material Type**								
47	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.93	0.002	<0.0005
48	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.24	0.009	<0.0005
49	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	4.39	0.029	<0.0005
50	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.52	0.075	<0.0005
51	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.01	0.009	<0.0005
52	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.99	0.004	<0.0005
53	Metasediment	Waste Rock	<3.0	<6.0	<6.0	0.06	<0.00001	0.69	0.611	<0.0005
54	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	3.18	0.04	<0.0005
55	Metasediment	Waste Rock	<3.0	<6.0	<6.0	0.06	<0.00001	0.25	1.72	<0.0005
56	Amphibolite	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.03	0.02	<0.0005
57	Metasediment	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.04	0.004	<0.0005
58	Ultramafic	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.09	1.02	<0.0005
59	Ultramafic	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	1.01	0.074	<0.0005
60	Ultramafic	Waste Rock	<3.0	<6.0	<6.0	0.04	<0.00001	0.09	7.58	<0.0005
61	Ultramafic	Waste Rock	<3.0	<6.0	<6.0	<0.03	<0.00001	0.05	1.76	<0.0005
62	Ultramafic	Waste Rock	<3.0	<6.0	<6.0	0.05	<0.00001	<0.01	4.43	<0.0005
63	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.07	<0.00001	0.69	0.068	<0.0005
64	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.24	<0.00001	0.81	0.091	<0.0005
65	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.46	<0.00001	0.44	0.045	<0.0005
66	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.13	<0.00001	0.57	0.063	<0.0005
67	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.08	<0.00001	0.46	0.013	<0.0005
68	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.44	<0.00001	0.48	0.091	<0.0005
69	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.14	<0.00001	0.53	0.036	<0.0005
70	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.13	<0.00001	0.48	0.029	<0.0005
71	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.22	<0.00001	0.55	0.11	<0.0005
72	barren pegmatite	Waste Rock	<3.0	<6.0	<6.0	0.03	<0.00001	1.39	0.034	<0.0005
73	barren pegmatite	Ore	<3.0	<6.0	<6.0	0.07	<0.00001	0.66	0.031	<0.0005
74	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.62	<0.00001	0.59	0.167	<0.0005
75	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.08	<0.00001	0.56	0.069	<0.0005
76	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.3	<0.00001	0.53	0.019	<0.0005
77	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	1.07	<0.00001	0.54	0.042	<0.0005
78	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.45	<0.00001	0.51	0.053	<0.0005
79	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.4	<0.00001	0.46	0.031	<0.0005
80	barren pegmatite	Ore	<3.0	<6.0	<6.0	0.07	<0.00001	0.69	0.102	<0.0005
81	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.27	<0.00001	0.66	0.084	<0.0005
81_DUP	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.27	<0.00001	0.67	0.091	<0.0005
82	Spodumene pegmatite	Ore	<3.0	<6.0	<6.0	0.03	<0.00001	1.65	0.01	<0.0005
83	DMS Tails	Tailings	<3.0	<6.0	<6.0	0.08	<0.00001	0.71	0.022	<0.0005
84	DMS Tails	Tailings	<3.0	<6.0	<6.0	0.06	<0.00001	0.71	0.021	<0.0005

		Component	Ba (mg/l)	B (mg/l)	Be (mg/l)	Bi (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)
		Directive 019 criteria	100	500				0.5	5			
Sample ID	**Lithology**	**Material Type**										
47	Metasediment	Waste Rock	0.313	<0.02	0.00019	0.00003	18.3	0.00063	0.0274	0.0175	<0.002	5.5
48	Metasediment	Waste Rock	0.0119	<0.02	0.00129	0.00002	416	0.00063	0.0015	0.0138	<0.002	1.57
49	Metasediment	Waste Rock	0.117	0.02	0.00148	0.00005	29.4	0.00054	0.0096	0.0111	<0.002	6.25
50	Metasediment	Waste Rock	0.0822	<0.02	0.00125	0.00025	59.4	0.00108	0.0065	0.0813	0.026	2.46
51	Metasediment	Waste Rock	0.0577	<0.02	0.00116	0.00006	20.1	0.00036	0.0073	0.017	0.003	1.74
52	Metasediment	Waste Rock	0.16	<0.02	0.0002	0.00002	161	0.00065	0.013	0.00617	<0.002	4.52
53	Metasediment	Waste Rock	0.5	<0.02	0.00008	0.00004	141	0.00076	0.0054	0.00443	<0.002	4.77
54	Metasediment	Waste Rock	0.0731	0.02	0.00143	0.00013	39.4	0.00054	0.0111	0.0162	<0.002	3.25
55	Metasediment	Waste Rock	0.291	<0.02	0.0001	0.00007	295	0.00051	0.0388	0.0101	<0.002	2.35
56	Amphibolite	Waste Rock	0.263	<0.02	0.00009	0.00007	519	0.00053	0.0015	0.00328	<0.002	3.45
57	Metasediment	Waste Rock	0.178	<0.02	0.00011	0.00004	481	0.00067	0.0023	0.00346	<0.002	3.39
58	Ultramafic	Waste Rock	0.0653	0.04	0.00071	0.00019	389	0.00044	0.0087	0.0282	<0.002	1.81
59	Ultramafic	Waste Rock	0.0179	<0.02	0.00021	0.00004	58.9	0.00031	0.122	0.0392	0.026	2.72
60	Ultramafic	Waste Rock	0.022	<0.02	0.00173	0.00005	279	0.00047	0.0211	0.0534	<0.002	7.31
61	Ultramafic	Waste Rock	0.00888	0.06	0.00051	0.00007	416	0.00048	0.0057	0.0114	<0.002	2.73
62	Ultramafic	Waste Rock	0.0332	<0.02	0.00085	0.00006	549	0.00042	0.0014	0.0463	<0.002	<0.07
63	barren pegmatite	Waste Rock	0.006	0.02	0.00706	0.04465	33.5	0.0009	0.0083	0.00309	0.009	0.11
64	barren pegmatite	Waste Rock	0.00557	<0.02	0.00282	0.00014	12.5	0.0004	0.0036	0.00225	0.003	0.31
65	barren pegmatite	Waste Rock	0.00551	<0.02	0.00169	0.00596	6.9	0.00041	0.0045	0.00107	0.003	0.13
66	barren pegmatite	Waste Rock	0.00386	<0.02	0.00157	0.00263	5.5	0.00033	0.0054	0.0035	0.003	0.07
67	barren pegmatite	Waste Rock	0.00394	<0.02	0.00096	0.00655	3	0.00035	0.0061	0.00087	0.003	<0.07
68	barren pegmatite	Waste Rock	0.0035	<0.02	0.0018	0.0206	11.6	0.00047	0.0033	0.00042	<0.002	0.07
69	barren pegmatite	Waste Rock	0.0159	<0.02	0.01325	0.02216	43.2	0.00058	0.0048	0.00284	0.014	0.12
70	barren pegmatite	Waste Rock	0.00546	<0.02	0.00807	0.00337	30.1	0.00415	0.0048	0.0126	1.84	0.21
71	barren pegmatite	Waste Rock	0.00623	<0.02	0.00458	0.00029	8	0.00047	0.0044	0.00147	0.002	0.16
72	barren pegmatite	Waste Rock	0.00577	0.09	0.00947	0.0121	34.1	0.00049	0.0058	0.00422	0.003	0.75
73	barren pegmatite	Ore	0.0117	<0.02	0.0022	0.00836	5.2	0.00037	0.005	0.00233	0.006	0.09
74	Spodumene pegmatite	Ore	0.00173	<0.02	0.00153	0.00114	4.2	0.00041	0.0036	0.00079	<0.002	0.14
75	Spodumene pegmatite	Ore	0.00182	<0.02	0.00536	0.321	15.4	0.00044	0.0036	0.00073	<0.002	<0.07
76	Spodumene pegmatite	Ore	0.00941	<0.02	0.00857	0.00972	30.2	0.0005	0.0047	0.00438	0.004	0.29
77	Spodumene pegmatite	Ore	0.00297	<0.02	0.01066	0.00024	13.9	0.00061	0.0082	0.00472	0.007	0.21
78	Spodumene pegmatite	Ore	0.00852	<0.02	0.00782	0.00577	42.6	0.00078	0.0065	0.0109	0.007	0.08
79	Spodumene pegmatite	Ore	0.00345	<0.02	0.00248	0.0021	7.8	0.0004	0.0042	0.00353	0.003	0.12
80	barren pegmatite	Ore	0.00697	<0.02	0.00779	0.00888	13.5	0.00142	0.0047	0.0161	0.047	0.34
81	Spodumene pegmatite	Ore	0.00283	<0.02	0.00204	0.00342	7.5	0.00048	0.0052	0.00054	<0.002	0.19
81_DUP	Spodumene pegmatite	Ore	0.00273	<0.02	0.00219	0.00449	5	0.00038	0.0059	0.00056	<0.002	0.17
82	Spodumene pegmatite	Ore	0.00997	<0.02	0.00674	0.00115	59	0.0006	0.0053	0.00634	0.014	0.44
83	DMS Tails	Tailings	0.00417	<0.02	0.00154	0.00122	5	0.00005	0.0024	0.000466	0.003	0.12
84	DMS Tails	Tailings	0.00687	<0.02	0.00149	0.00528	8.4	0.00005	0.0026	0.000553	0.003	0.12

		Component	K (mg/l)	Li (mg/l)	Mg (mg/l)	Mn (mg/l)	Mo (mg/l)	Na (mg/l)	Ni (mg/l)	P (mg/l)	Pb (mg/l)	Sb (mg/l)
		Directive 019 criteria									5	
Sample ID	**Lithology**	**Material Type**										
47	Metasediment	Waste Rock	12.8	0.029	1.98	0.345	0.004	1280	0.039	0.06	0.00802	<0.009
48	Metasediment	Waste Rock	1.24	0.152	7.36	1.85	0.0005	1250	0.01	0.05	0.00048	<0.009
49	Metasediment	Waste Rock	12	0.446	4.34	0.479	0.0017	1290	0.017	0.07	0.00082	<0.009
50	Metasediment	Waste Rock	7.19	0.15	2.07	0.328	0.0007	1290	0.168	0.05	0.0242	0.091
51	Metasediment	Waste Rock	3.97	0.072	2.08	0.47	0.0011	1310	0.02	0.04	0.0102	<0.009
52	Metasediment	Waste Rock	9.07	0.096	2.46	2.65	0.0039	1320	0.015	0.06	0.00804	<0.009
53	Metasediment	Waste Rock	19.6	0.086	1.59	2.7	0.0025	1300	0.005	0.06	0.00221	<0.009
54	Metasediment	Waste Rock	5.84	0.144	2.04	0.408	0.001	1280	0.051	0.05	0.00525	0.012
55	Metasediment	Waste Rock	5.14	0.045	5.27	2.42	0.0014	1330	1.72	0.07	0.00238	0.015
56	Amphibolite	Waste Rock	10.9	0.055	3.76	6.57	0.0005	1270	0.025	0.04	0.00101	<0.009
57	Metasediment	Waste Rock	6.03	0.046	3.03	4.06	0.0012	1290	0.01	0.05	0.00217	<0.009
58	Ultramafic	Waste Rock	3.69	0.036	40.4	2.72	0.0006	1300	2.46	0.04	0.00124	0.267
59	Ultramafic	Waste Rock	1.52	0.049	17.2	0.698	<0.0004	1320	0.293	0.03	0.00202	<0.009
60	Ultramafic	Waste Rock	3.39	0.057	95.7	2.69	0.0005	1340	9.97	0.05	0.00052	2.27
61	Ultramafic	Waste Rock	0.93	0.022	33	3.06	0.0007	1290	2.65	0.03	0.00037	0.25
62	Ultramafic	Waste Rock	1.46	0.012	20.9	4.64	0.0014	1270	7.15	0.05	0.00015	4.06
63	barren pegmatite	Waste Rock	4.65	0.017	0.28	0.27	0.0032	1310	0.003	0.11	0.00533	0.011
64	barren pegmatite	Waste Rock	6.53	0.126	0.29	0.559	0.0013	1280	0.003	0.24	0.00368	0.015
65	barren pegmatite	Waste Rock	4.16	0.078	0.11	0.532	0.001	1280	0.003	0.45	0.00331	<0.009
66	barren pegmatite	Waste Rock	4.13	0.022	0.13	0.0754	0.0018	1280	0.003	0.13	0.00146	<0.009
67	barren pegmatite	Waste Rock	3.88	0.007	0.11	0.0359	0.0019	1270	0.003	0.11	0.00214	<0.009
68	barren pegmatite	Waste Rock	3.92	0.151	0.11	0.828	0.0022	1310	0.003	0.48	0.00349	0.016
69	barren pegmatite	Waste Rock	2.3	0.051	0.39	0.245	0.0013	1310	0.005	0.15	0.00439	<0.009
70	barren pegmatite	Waste Rock	1.88	0.026	0.4	0.202	0.0021	1280	0.006	0.15	0.00756	0.009
71	barren pegmatite	Waste Rock	3.1	0.037	0.42	0.157	0.0024	1270	0.003	0.24	0.00139	0.015
72	barren pegmatite	Waste Rock	2.56	0.032	0.6	0.179	0.0012	1250	0.005	0.07	0.0231	0.01
73	barren pegmatite	Ore	4.24	0.116	0.05	0.24	0.0016	1260	0.004	0.08	0.00323	0.009
74	Spodumene pegmatite	Ore	2.91	0.318	0.06	1.15	0.0012	1290	0.003	0.54	0.00083	0.029
75	Spodumene pegmatite	Ore	2.05	0.141	0.13	0.544	0.0036	1300	0.001	0.11	0.00302	0.023
76	Spodumene pegmatite	Ore	4.41	0.258	0.81	0.967	0.0017	1280	0.004	0.32	0.00429	<0.009
77	Spodumene pegmatite	Ore	2.72	0.698	0.28	3.09	0.0041	1300	0.005	1.05	0.00103	0.01
78	Spodumene pegmatite	Ore	4.24	0.256	0.88	1.29	0.0033	1270	0.004	0.5	0.00234	<0.009
79	Spodumene pegmatite	Ore	4.29	0.167	0.23	0.719	0.0013	1250	0.002	0.44	0.00226	<0.009
80	barren pegmatite	Ore	4.94	0.074	0.76	0.318	0.0017	1280	0.026	0.07	0.0176	<0.009
81	Spodumene pegmatite	Ore	2.82	0.297	0.17	0.683	0.0017	1270	0.002	0.32	0.00137	0.011
81_DUP	Spodumene pegmatite	Ore	2.92	0.298	0.15	0.717	0.0022	1280	0.003	0.27	0.00194	0.012
82	Spodumene pegmatite	Ore	10.4	0.174	0.42	0.602	0.0013	1250	0.003	0.05	0.00735	<0.009
83	DMS Tails	Tailings	4.01	0.03	0.1	0.0884	<0.0004	1430	<0.001	0.067	0.00155	<0.009
84	DMS Tails	Tailings	3.23	0.028	0.14	0.0869	<0.0004	1440	<0.001	0.037	0.00207	<0.009

		Component	Se (mg/l)	Si (mg/l)	Sn (mg/l)	Sr (mg/l)	Ti (mg/l)	Th (mg/l)	U (mg/l)	V (mg/l)	Zn (mg/l)
		Directive 019 criteria	1						2		
Sample ID	**Lithology**	**Material Type**									
47	Metasediment	Waste Rock	0.0046	2.22	0.00009	0.0174	0.0061	0.00011	0.00382	0.00095	0.03
48	Metasediment	Waste Rock	0.0064	3.39	0.00048	0.232	0.0061	0.00017	0.00193	0.00031	<0.02
49	Metasediment	Waste Rock	0.0049	5.08	0.00018	0.0629	0.0073	0.0043	0.00555	0.00147	<0.02
50	Metasediment	Waste Rock	0.0036	2.34	0.00014	0.0399	0.0046	0.00085	0.0159	0.00032	0.29
51	Metasediment	Waste Rock	0.003	1.88	0.00022	0.0445	0.0042	0.0001	0.00298	0.00062	<0.02
52	Metasediment	Waste Rock	0.0048	2.24	0.00014	0.0999	0.0058	0.00024	0.00375	0.00056	0.02
53	Metasediment	Waste Rock	0.0031	1.51	<0.00006	0.0817	0.0037	0.00019	0.00127	0.00252	<0.02
54	Metasediment	Waste Rock	0.0056	3.3	0.0001	0.0476	0.0052	0.00036	0.00856	0.00064	0.02
55	Metasediment	Waste Rock	0.0047	2.07	<0.00006	0.103	0.0047	0.00012	0.00209	0.00081	<0.02
56	Amphibolite	Waste Rock	0.0042	1.43	0.00011	0.192	0.0038	0.00019	0.000695	0.00003	<0.02
57	Metasediment	Waste Rock	0.0044	1.24	0.00013	0.25	0.0038	0.00061	0.00187	0.00024	<0.02
58	Ultramafic	Waste Rock	0.0029	4.01	0.00011	0.243	0.0041	0.00058	0.00107	0.00034	<0.02
59	Ultramafic	Waste Rock	0.0038	6.72	0.00022	0.157	0.0038	0.00053	0.00021	0.00012	<0.02
60	Ultramafic	Waste Rock	0.0045	4.04	0.0002	0.134	0.0036	0.00179	0.000695	0.00038	<0.02
61	Ultramafic	Waste Rock	0.0039	2.91	<0.00006	0.22	0.0044	0.00007	0.000333	0.00036	<0.02
62	Ultramafic	Waste Rock	0.0035	4.53	0.00016	0.218	0.0041	0.00059	0.00156	0.00035	<0.02
63	barren pegmatite	Waste Rock	0.0039	1.16	0.00009	0.0305	0.0041	0.0016	0.0167	0.00063	<0.02
64	barren pegmatite	Waste Rock	0.0037	1.45	0.00014	0.0227	0.0042	0.00247	0.00669	0.00016	<0.02
65	barren pegmatite	Waste Rock	0.0047	0.8	0.00034	0.0175	0.0044	0.00168	0.00283	0.00024	<0.02
66	barren pegmatite	Waste Rock	0.0044	0.85	0.00009	0.0149	0.0039	0.00143	0.00826	0.00022	<0.02
67	barren pegmatite	Waste Rock	0.0038	0.75	0.00013	0.0118	0.0047	0.0014	0.000886	0.00013	<0.02
68	barren pegmatite	Waste Rock	0.0061	0.75	0.00032	0.0216	0.0054	0.00143	0.0075	0.00016	<0.02
69	barren pegmatite	Waste Rock	0.004	1.07	0.00013	0.0506	0.004	0.00057	0.0193	0.00019	<0.02
70	barren pegmatite	Waste Rock	0.0052	0.81	0.00024	0.0314	0.0048	0.00064	0.0105	0.0004	0.07
71	barren pegmatite	Waste Rock	0.0055	0.93	0.00025	0.0337	0.0054	0.00089	0.0153	0.00021	<0.02
72	barren pegmatite	Waste Rock	0.006	1.39	0.00026	0.0343	0.0049	0.00072	0.0446	0.00054	0.03
73	barren pegmatite	Ore	0.005	0.93	0.00016	0.0187	0.0038	0.00095	0.124	0.00001	<0.02
74	Spodumene pegmatite	Ore	0.0048	0.94	0.0002	0.0126	0.0039	0.00147	0.0129	0.0001	<0.02
75	Spodumene pegmatite	Ore	0.0042	0.83	0.00009	0.026	0.004	0.00081	0.0102	0.00013	<0.02
76	Spodumene pegmatite	Ore	0.0043	1.54	0.00013	0.0564	0.0039	0.00091	0.00442	0.00017	<0.02
77	Spodumene pegmatite	Ore	0.0036	1.3	0.00015	0.0478	0.0033	0.00145	0.0414	0.00022	<0.02
78	Spodumene pegmatite	Ore	0.007	1.38	0.00011	0.058	0.0052	0.00122	0.00838	0.00035	<0.02
79	Spodumene pegmatite	Ore	0.0055	0.93	0.00031	0.02	0.0047	0.0013	0.019	0.00006	<0.02
80	barren pegmatite	Ore	0.0037	1.39	0.00018	0.0321	0.0037	0.00117	0.00775	0.00032	0.04
81	Spodumene pegmatite	Ore	0.0048	1.04	0.00015	0.028	0.0045	0.00112	0.0217	0.00018	<0.02
81_DUP	Spodumene pegmatite	Ore	0.0047	1.02	0.00021	0.0226	0.0046	0.00104	0.0229	0.00021	<0.02
82	Spodumene pegmatite	Ore	0.0046	3.14	0.00025	0.0418	0.0048	0.00289	0.033	0.00039	<0.02
83	DMS Tails	Tailings	0.0028	0.84	<0.00006	0.00872	<0.0005	0.0017	0.00367	0.00006	<0.02
84	DMS Tails	Tailings	0.0024	0.78	<0.00006	0.0098	<0.0005	0.0012	0.00331	0.00009	<0.02

Appendix E: Kinetic Testing - Laboratory Analysis Results

pH

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	8.80	7.75	7.22	7.53	7.04	6.9	6.89	7.27	7.14	7.05	6.96	7	7.03
CV5-WR-HCT-5	8.33	8.02	7.25	7.59	7.35	7.1	6.89	7.3	7.28	7.46	7.25	7.25	7.31
CV5-WR-HCT-5 (DUP)	8.32	7.84	7.17	7.47	7.36	6.98	6.92	7.35	7.35	7.18	7.15	7.15	7.16
CV5-WR-HCT-14	8.12	8.63	8.65	8.75	8.51	7.81	8.49	8.79	8.16	8.84	8.1	7.86	8.26
CV5-WR-HCT-22	7.65	7.44	7.22	7.4	7.18	6.98	7.01	7.29	7.07	7.12	7.19	6.97	7.16
CV5-WR-HCT-33	8.36	8.57	8.53	7.86	7.61	7.14	7.29	7.2	7.49	7.33	7.29	7.34	7.59
CV5-WR-HCT-36	8.49	7.94	7.72	7.87	7.74	7.51	7.26	7.46	7.38	7.57	7.64	7.34	7.39
CV5-WR-HCT-39	7.34	7.3	7.22	7.22	7.02	6.82	6.97	7.16	6.89	6.94	6.97	6.72	6.74
CV5-WR-HCT-50	7.37	7.48	7.58	7.67	7.46	7.32	7.34	7.18	7.54	7.51	7.53	7.44	7.51
CV5-WR-HCT-56	8.82	7.95	8.82	8.62	7.27	7.81	7.35	7.42	7.74	8	8.04	7.65	7.45
CV5-WR-HCT-59	7.31	7.12	7.11	7.08	6.8	6.88	6.69	6.84	6.86	7.02	7.05	6.85	6.89
CV5-WR-HCT-62	8.56	7.67	7.92	7.76	7.64	7.54	7.38	7.48	7.57	7.39	7.69	7.4	7.4
CV5-WR-HCT-64	8.31	7.4	7.48	7.4	7.31	7.04	7.19	7.22	7.26	7.19	7.16	7.17	7.19
CV5-WR-HCT-69	9.09	8.17	8.22	7.83	7.66	7.55	7.41	7.83	7.54	7.57	7.77	7.61	7.62
CV5-WR-HCT-74	7.90	7.59	7.53	7.4	7.19	7.07	6.99	7.01	7.09	7.03	7.09	6.96	7.11
CV5-WR-HCT-76	8.67	8.03	8	7.88	7.52	7.43	7.05	7.31	7.36	7.33	7.46	7.22	7.4
CV5-DMS-HCT-83	7.34	6.84	6.79	7.01	6.66	6.59	6.49	6.92	6.7	6.72	6.58	6.42	6.69
CV5-DMS-HCT-84	7.37	6.86	6.89	7.01	6.95	6.58	6.71	6.86	6.67	6.55	6.53	6.47	6.7

Conductivity (µS/cm)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	45	50	46	59	40	45	36	39	36	38	43	29	28
CV5-WR-HCT-5	36	40	37	65	38	45	34	33	28	31	28	22	24
CV5-WR-HCT-5 (DUP)	33	36	38	42	31	35	25	27	22	23	25	20	19
CV5-WR-HCT-14	86	81	59	63	46	55	44	48	41	39	39	38	39
CV5-WR-HCT-22	28	31	30	33	20	26	18	18	16	17	18	14	15
CV5-WR-HCT-33	40	37	30	33	22	26	15	20	18	26	24	20	26
CV5-WR-HCT-36	37	80	62	64	47	49	29	34	25	27	27	24	26
CV5-WR-HCT-39	33	59	59	60	34	45	34	38	20	29	28	26	27
CV5-WR-HCT-50	114	164	108	88	59	60	57	55	47	62	64	58	54
CV5-WR-HCT-56	45	39	38	44	31	34	26	29	27	30	31	27	26
CV5-WR-HCT-59	27	27	23	29	25	23	20	20	22	23	24	20	20
CV5-WR-HCT-62	53	65	60	57	37	37	30	33	29	32	31	31	30
CV5-WR-HCT-64	53	47	28	34	19	16	18	16	17	17	18	15	16
CV5-WR-HCT-69	114	58	36	42	27	27	23	24	24	26	26	22	20
CV5-WR-HCT-74	154	94	29	27	14	15	11	12	13	11	15	8	11
CV5-WR-HCT-76	117	74	41	43	32	29	28	24	24	24	23	17	20
CV5-DMS-HCT-83	28	14	8	11	5	5	3	5	3	4	4	2	5
CV5-DMS-HCT-84	30	16	8	12	4	5	9	5	3	5	3	3	6

13	14	15	16	17	18	19	20	21	22	23	24	25	26
7	6.78	6.54	7	6.85	7.13	6.82	6.8	6.66	6.79	6.7	6.82	6.74	6.6
7.18	7.02	6.76	7.19	7.14	7.33	7.39	7.11	6.9	7.01	6.96	7.01	6.82	6.72
7.08	6.9	6.75	7.11	7.02	7.13	6.84	7.16	6.83	6.98	6.8	6.97	6.75	6.72
7.7	7.79	7.9	7.55	7.89	7.97	7.51	7.83	7.37	7.72	7.58	7.51	7.43	7.45
6.96	6.92	6.72	7.11	7.02	7.24	7.14	7.04	6.93	6.91	6.86	6.97	6.88	6.77
7.39	7.25	7.51	7.45	7.24	7.51	7.21	7.28	7.21	7.27	7.08	7.17	7.14	7.22
7.35	7.29	7.49	7.56	7.36	7.53	7.34	7.24	7.19	7.24	7.15	7.27	7.54	7.2
6.61	6.61	6.4	6.94	6.75	7.02	6.71	6.83	6.62	6.7	6.64	6.82	6.89	6.47
7.31	7.36	7.37	7.26	7.12	7.2	7.09	6.96	6.98	6.98	6.66	7.23	7.62	6.44
7.31	7.45	7.26	7.56	7.46	7.61	7.25	7.49	7.04	7.27	7.26	7.33	7.2	7.1
6.7	6.8	7	6.93	6.86	6.92	6.82	6.77	6.64	6.56	6.62	6.64	6.15	6.77
7.42	7.39	7.38	7.67	7.35	7.74	7.55	7.91	8.03	7.43	7.24	7.38	7.07	7.3
7.1	7.2	6.63	7.23	7.14	7.22	6.93	6.81	6.84	6.98	6.82	7.15	7.03	7.06
7.43	7.26	7.28	7.49	7.39	7.46	7.34	7.5	7.51	7.27	7.32	7.36	7.4	7.34
6.97	6.88	6.87	7	6.89	6.98	6.81	6.85	6.83	6.79	6.63	6.86	6.99	6.84
7.24	7.24	7.55	7.4	7.28	7.46	7.04	7.06	7.02	7.26	7.05	7.34	7.26	7.11
6.55	6.39	6.32	6.65	6.42	6.77	6.4	6.59	6.52	6.39	6.32	6.49	6.62	6.74
6.55	6.41	6.25	6.23	6.39	6.4	6.52	6.38	6.28	6.5	6.42	6.3	6.62	6.51

13	14	15	16	17	18	19	20	21	22	23	24	25	26
26	24	38	34	29	28	24	25	26	24	24	14	27	27
23	20	24	27	23	24	19	20	21	19	19	21	19	17
18	16	24	24	18	20	17	17	16	16	15	16	15	14
32	39	32	26	34	33	33	32	32	31	29	29	31	27
13	11	14	15	12	15	12	14	14	11	11	12	11	9
18	18	18	23	18	20	16	19	20	14	12	15	29	15
24	22	20	32	23	27	21	23	23	20	19	21	49	18
23	23	29	30	23	23	23	21	21	23	21	19	29	18
50	58	48	51	43	52	49	35	56	34	33	50	34	21
18	28	30	25	26	28	29	25	25	25	24	23	30	26
17	21	29	24	14	14	12	13	13	11	11	12	13	13
30	24	31	31	25	28	27	25	26	25	25	24	27	25
14	6	6	15	13	14	13	10	11	8	9	13	10	14
15	15	18	20	17	16	17	15	18	20	14	15	16	20
9	8	8	6	7	8	7	6	6	7	4	7	8	8
18	17	15	14	15	17	14	15	17	13	13	18	29	16
4	4	2	2	3	4	2	2	2	2	2	2	5	3
4	5	3	2	3	2	2	2	2	2	2	2	5	2

27	28	29	30	31	32	33	34	35	36	37	38	39	40
6.81	6.81	6.8	6.6	6.95	6.89	6.81	6.54	6.79	6.72	6.75	6.6	6.76	6.59
7	7.03	7	6.75	7.08	7.03	7	6.75	7.02	7.03	7.03	6.78	6.97	6.97
6.89	7.03	6.93	6.83	6.97	6.89	6.83	6.57	6.98	6.96	6.9	6.76	6.87	6.81
7.49	7.59	7.65	7.4	7.3	7.64	7.51	7.42	7.71	7.58	8.87	7.47	7.71	7.85
6.92	6.93	6.91	6.79	6.68	6.86	6.91	6.76	6.98	7.07	7.05	6.89	6.95	6.78
7.32	7.34	7.26	7.19	7.18	7.21	7.23	7.08	7.19	7.29	7.22	7.1	7.19	7.25
7.18	7.23	7.17	7.11	7.14	7.08	7.17	7.02	7.25	7.27	7.17	7.1	6.94	7.05
6.49	6.64	6.6	6.54	6.39	6.56	6.55	6.37	6.73	6.74	6.57	6.74	6.48	6.48
6.54	6.41	6.47	6.51	6.3	6.56	6.95	6.59	6.92	6.76	6.96	6.97	6.84	7
7.14	7.4	7.35	7.66	7.04	7.22	7.19	6.93	7.19	7.11	7.84	6.99	7.54	7.46
6.4	6.57	6.53	6.54	6.38	6.6	6.56	6.49	6.74	6.8	7	6.56	6.65	6.75
7.18	7.29	7.43	7.26	7.04	7.22	7.04	7.17	7.17	7.35	8.29	7.12	7.76	7.39
6.61	6.83	6.81	6.88	6.65	6.89	6.9	6.99	7.11	7.12	7.11	6.91	7	6.98
7.16	7.13	7.03	7.01	6.9	7.18	7.26	7.16	7.12	7.2	7.43	6.97	7.24	6.99
6.82	6.78	6.6	6.59	6.44	6.72	6.6	6.55	6.73	6.91	6.76	6.6	6.64	6.83
7.13	7.07	7.13	7.02	6.89	7.04	7.12	7.15	7.18	7.21	7.22	7.04	7.12	7.22
6.39	6.3	6.28	6.8	6.29	6.28	6.07	6.1	6.47	6.22	6.13	6.09	6.38	6.24
6.27	6.36	6.27	6.01	6.25	6.22	6.43	6.25	6.39	6.21	6.19	6.29	6.4	6.15

27	28	29	30	31	32	33	34	35	36	37	38	39	40
26	23	24	31	28	32	25	31	34	40	32	33	36	32
17	17	17	24	21	18	17	21	22	23	20	20	23	18
14	14	14	17	14	20	13	19	18	18	16	16	16	14
26	26	27	29	27	28	28	32	33	32	30	29	30	26
9	9	9	11	10	12	10	12	13	13	13	12	12	8
15	13	14	15	15	14	18	17	18	15	14	18	13	12
19	18	17	18	17	17	17	17	20	19	15	20	13	13
18	18	16	20	19	18	19	22	23	27	22	26	23	22
22	31	35	40	37	41	54	37	58	34	51	56	50	43
26	27	28	25	25	26	24	32	29	30	29	31	55	33
11	11	17	14	13	13	12	13	15	15	14	14	18	18
21	22	24	23	24	21	22	28	23	28	21	26	39	30
8	5	5	9	9	14	13	12	12	12	10	11	11	6
14	11	9	13	13	14	13	13	14	14	14	12	13	13
5	4	4	5	5	8	5	5	6	5	5	5	3	6
13	10	13	12	13	11	12	17	18	16	12	16	13	16
2	2	2	3	3	2	2	2	2	2	3	2	2	3
3	2	2	2	2	2	2	2	2	2	2	4	2	2

Alkalinity concentration ($mgCaCO_3/l$)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	15	8	6	7	4	7	4	7	5	4	4	3	4
CV5-WR-HCT-5	12	9	7	8	7	7	5	7	7	6	6	5	7
CV5-WR-HCT-5 (DUP)	14	8	6	8	7	7	4	7	6	5	5	4	5
CV5-WR-HCT-14	22	24	23	23	21	21	17	21	20	14	14	14	16
CV5-WR-HCT-22	11	7	6	8	6	6	4	6	6	4	4	4	4
CV5-WR-HCT-33	15	14	11	12	10	9	7	8	8	9	9	8	10
CV5-WR-HCT-36	17	26	21	15	17	14	9	12	9	8	7	7	9
CV5-WR-HCT-39	8	7	7	9	4	5	5	7	4	3	3	2	3
CV5-WR-HCT-50	14	21	23	21	15	13	13	13	17	16	15	13	13
CV5-WR-HCT-56	17	13	12	15	11	18	10	13	10	10	10	8	9
CV5-WR-HCT-59	9	7	5	7	4	3	2	4	3	4	3	3	3
CV5-WR-HCT-62	16	14	21	13	14	12	11	12	11	12	10	10	12
CV5-WR-HCT-64	13	12	12	13	10	7	7	8	8	8	7	7	7
CV5-WR-HCT-69	29	29	20	22	13	12	10	11	11	13	10	10	10
CV5-WR-HCT-74	11	17	12	10	7	6	5	5	5	5	5	3	4
CV5-WR-HCT-76	22	24	22	18	16	14	11	12	11	10	9	7	9
CV5-DMS-HCT-83	6	3	2	4	2	2	2	3	2	2	2	2	2
CV5-DMS-HCT-84	6	4	3	4	2	2	2	2	2	2	2	2	2

Acidity concentration ($mgCaCO_3/l$)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	2	2	4	8	3	5	4	2	5	5	7	2	6
CV5-WR-HCT-5	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-5 (DUP)	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-14	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-22	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-33	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-36	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-39	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-50	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-56	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-59	2	2	2	4	4	2	3	2	2	2	2	3	3
CV5-WR-HCT-62	2	2	2	3	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-64	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-69	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-74	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-76	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-DMS-HCT-83	2	2	2	3	2	2	2	2	3	2	2	3	4
CV5-DMS-HCT-84	2	2	2	4	2	2	2	2	3	2	4	3	5

13	14	15	16	17	18	19	20	21	22	23	24	25	26
3	3	4	3	3	4	3	3	3	2	3	4	3	2
6	4	6	5	4	6	4	4	5	4	5	5	4	3
5	3	7	4	4	4	4	4	4	3	4	4	3	2
15	16	24	9	13	16	14	13	13	15	13	13	12	12
4	3	5	4	4	6	3	5	6	10	4	4	4	3
7	6	11	8	7	8	6	7	9	6	5	6	12	7
7	7	11	10	7	10	7	8	8	6	6	7	23	6
2	2	4	2	2	3	2	2	2	2	2	3	4	2
11	13	18	12	6	6	8	4	7	4	4	8	7	2
7	8	9	9	9	8	6	6	7	6	6	7	6	6
2	2	4	3	3	3	2	2	2	5	2	2	2	2
9	8	12	11	8	11	10	8	8	8	9	10	9	8
6	3	4	6	6	6	4	4	5	4	4	6	5	7
8	7	10	9	7	16	8	7	11	7	7	7	8	9
4	3	4	4	3	3	3	3	4	2	2	3	4	3
8	7	8	6	6	12	5	7	7	7	6	8	16	8
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2

13	14	15	16	17	18	19	20	21	22	23	24	25	26
2	2	10	2	3	3	3	2	3	2	3	2	3	3
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	3	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	6	2	2	2	2	2	2	2	2
2	2	3	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	4	8	2	4	6	6	7	5	8	6
2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	2	2	2	3	3	2	2	3	2	4	3
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	3	5
2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	2	2	2	2	3	2	2	2	2	3	2	2
3	3	3	2	2	2	2	2	3	2	2	2	2	2

27	28	29	30	31	32	33	34	35	36	37	38	39	40
2	2	2	3	3	3	2	2	3	3	3	2	3	2
3	4	4	4	4	5	3	3	5	4	5	3	4	3
3	3	3	3	3	3	3	3	4	4	3	2	3	3
12	12	11	11	10	12	13	12	13	13	12	12	12	10
4	4	3	3	3	4	4	3	6	5	5	5	4	2
6	6	6	6	5	6	7	6	8	6	6	8	5	4
7	7	6	5	4	6	6	5	7	6	5	8	4	4
3	2	2	2	2	2	2	2	3	3	2	4	2	2
2	3	2	3	2	2	5	3	7	3	3	7	4	3
6	7	6	5	5	6	6	6	7	6	6	7	15	8
3	2	2	2	4	2	2	2	3	3	2	2	2	2
7	7	8	7	7	7	6	9	7	9	6	9	14	10
3	3	2	5	4	6	4	5	5	6	4	5	5	3
6	6	4	7	5	5	6	5	6	7	6	6	6	5
2	3	2	3	2	2	2	2	3	3	2	2	2	2
6	6	5	6	6	6	5	8	6	6	5	8	5	7
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2

27	28	29	30	31	32	33	34	35	36	37	38	39	40
2	2	2	3	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	4	2	2	2	2	2	3	2	2	2
6	7	9	7	9	7	6	2	6	2	2	4	6	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	3	3	2	2	2	3	6	2	3	3	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	3	3	3	2	2	3	2	2	3	2
2	2	2	2	3	2	3	2	2	4	2	2	3	2

Calcium concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	5.08	3.71	3.43	3.96	4.04	4.5	3.57	4.54	4.55	4.43	5.37	3.2	3.21
CV5-WR-HCT-5	4.25	3.78	3.72	4.44	4.32	4.56	3.64	4.09	3.96	3.85	3.96	2.99	3.05
CV5-WR-HCT-5 (DUP)	4.23	3.35	3.28	3.42	3.94	4.13	2.81	3.67	3.08	2.92	3.48	2.4	2.4
CV5-WR-HCT-14	6.75	7.08	6.23	6.41	6.79	7.34	6.55	7.17	6.82	6.29	6.24	6.08	6.21
CV5-WR-HCT-22	3.56	2.86	2.43	2.35	2.39	2.56	1.92	2.29	2	2.02	2.2	1.69	1.79
CV5-WR-HCT-33	4.93	4.08	3.13	3.12	3.41	3.27	2.35	3.11	3.02	3.07	3.26	3.21	3.82
CV5-WR-HCT-36	3.81	6.98	5.74	5.22	5.54	4.9	3.87	4.6	3.68	3.57	3.91	3.33	3.56
CV5-WR-HCT-39	2.14	4.5	4.72	4.66	4.07	4.14	4.02	4.53	3.71	3.4	3.26	2.78	3.4
CV5-WR-HCT-50	8.57	15.9	12.8	9.36	9.84	8.73	9.27	9.1	11.1	9.72	10.4	9.2	8.55
CV5-WR-HCT-56	5.04	4.11	3.69	4.06	3.93	4.76	3.99	4.18	4.15	3.95	4.45	3.64	4.16
CV5-WR-HCT-59	2.62	2.39	2.23	2.24	2.66	2.59	2.33	2.35	2.46	2.36	2.67	2.22	2.34
CV5-WR-HCT-62	5.58	4.8	5	4.58	4.38	4.5	3.76	4.48	3.99	4.48	4.34	3.87	3.91
CV5-WR-HCT-64	2.08	2.08	1.96	2.12	2.53	2.1	2.3	2.27	2.61	2.6	2.69	2.22	2.43
CV5-WR-HCT-69	3.63	3.76	4.18	4.33	4.71	4.4	4.06	4.17	4.18	4.53	4.37	3.72	3.69
CV5-WR-HCT-74	1.04	0.87	0.72	1.08	1.31	1.51	1.42	1.62	1.78	1.64	1.62	1.09	1.4
CV5-WR-HCT-76	4.45	4.11	3.29	3.6	4.27	4.08	3.67	3.86	3.79	3.63	3.3	2.53	2.92
CV5-DMS-HCT-83	2.72	1.33	0.76	0.6	0.59	0.54	0.49	0.86	0.52	0.53	0.54	0.37	0.46
CV5-DMS-HCT-84	2.71	1.42	0.81	0.61	0.61	0.61	0.51	0.79	0.53	0.49	0.57	0.43	0.44

Magnesium concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.545	0.642	0.635	0.774	0.78	0.87	0.665	0.79	0.72	0.639	0.946	0.556	0.505
CV5-WR-HCT-5	0.346	0.577	0.601	1.08	0.846	0.987	0.729	0.835	0.676	0.628	0.736	0.529	0.463
CV5-WR-HCT-5 (DUP)	0.308	0.514	0.64	0.605	0.619	0.708	0.501	0.564	0.469	0.433	0.571	0.414	0.321
CV5-WR-HCT-14	0.7	0.903	0.668	0.607	0.618	0.688	0.559	0.601	0.522	0.416	0.442	0.453	0.417
CV5-WR-HCT-22	0.237	0.368	0.367	0.359	0.33	0.368	0.29	0.33	0.312	0.302	0.398	0.336	0.305
CV5-WR-HCT-33	0.319	0.335	0.266	0.312	0.292	0.309	0.204	0.288	0.254	0.276	0.283	0.261	0.287
CV5-WR-HCT-36	1.48	5.73	3.8	2.71	2.45	2.28	1.3	1.7	1.1	1.01	0.958	0.944	0.863
CV5-WR-HCT-39	0.241	0.604	0.776	0.747	0.619	0.686	0.631	0.744	0.57	0.491	0.513	0.46	0.49
CV5-WR-HCT-50	1.37	2.78	1.8	0.963	0.832	0.743	0.674	0.581	0.662	0.507	0.504	0.433	0.351
CV5-WR-HCT-56	0.363	0.398	0.373	0.422	0.34	0.492	0.489	0.447	0.398	0.444	0.532	0.444	0.416
CV5-WR-HCT-59	0.49	0.714	0.725	0.689	0.769	0.827	0.654	0.691	0.707	0.639	0.726	0.687	0.658
CV5-WR-HCT-62	1.49	2.91	3.35	2.18	1.81	1.88	1.26	1.65	1.15	1.43	1.25	1.3	1.46
CV5-WR-HCT-64	0.151	0.219	0.207	0.179	0.209	0.187	0.182	0.173	0.184	0.168	0.177	0.149	0.152
CV5-WR-HCT-69	0.212	0.217	0.235	0.234	0.21	0.203	0.164	0.169	0.148	0.161	0.142	0.121	0.124
CV5-WR-HCT-74	0.048	0.057	0.036	0.047	0.048	0.062	0.057	0.055	0.058	0.048	0.047	0.034	0.039
CV5-WR-HCT-76	0.313	0.29	0.245	0.233	0.27	0.269	0.234	0.234	0.222	0.211	0.196	0.18	0.178
CV5-DMS-HCT-83	0.141	0.075	0.052	0.041	0.037	0.036	0.029	0.053	0.029	0.026	0.03	0.021	0.024
CV5-DMS-HCT-84	0.133	0.079	0.05	0.037	0.036	0.037	0.032	0.046	0.03	0.027	0.027	0.026	0.024

13	14	15	16	17	18	19	20	21	22	23	24	25	26
3.03	3.24	4.41	3.25	3.56	3.85	3.24	3.2	3.27	3.29	3.33	2.97	3.72	3.64
2.76	2.9	3.38	2.93	3.34	3.78	3.04	2.71	2.93	2.99	2.76	2.77	2.81	2.8
2.01	2.36	3.1	2.37	2.58	2.71	2.52	2.23	2.33	2.36	2.1	2.36	2.28	2.17
4.87	6.68	6.35	5.89	6.1	5.92	5.64	6.27	5.65	5.66	5.73	5.8	5.59	5.15
1.29	1.56	1.86	1.67	1.72	2.24	1.95	2.11	2.15	1.65	1.71	1.64	1.57	1.45
2.72	2.79	3.27	3.38	3.23	3.8	3.11	3.44	3.18	2.49	2.29	2.5	5.04	2.81
3	3.22	3.32	3.83	3.32	3.96	3.24	3.36	2.94	2.99	2.84	3.07	7.91	2.7
2.98	2.9	3.78	3.05	3.02	3.2	3.22	2.77	2.62	2.84	2.78	2.38	4.06	2.49
8.72	10	9.19	8.54	6.88	8.68	9.01	5.73	8.91	5.48	5.66	7.6	5.65	3.62
3.89	4.2	4.08	3.77	4.09	4.33	4.4	3.62	3.74	3.86	3.94	3.84	4.25	4.36
2.14	2.86	3.44	2.12	1.85	1.9	1.64	1.69	1.67	1.48	1.39	1.41	1.57	1.4
3.89	3.59	4.43	4.07	3.61	4.24	3.91	3.43	3.48	3.62	3.13	3.23	3.34	3.2
2.09	1.13	1	1.7	2.22	2.55	1.45	1.67	1.79	1.32	1.4	2.05	1.93	1.97
2.47	2.88	3.6	3.37	3.18	3.15	3.18	2.88	2.91	2.6	2.46	2.66	3.02	2.91
1.21	1.31	1.36	1.13	1.21	1.22	0.96	1.15	1.08	0.97	0.84	0.91	1.22	0.92
2.73	2.7	2.5	2.22	2.44	2.96	1.96	2.52	2.87	2.16	1.99	2.91	5.48	2.04
0.43	0.35	0.49	0.38	0.43	0.74	0.48	0.43	0.43	0.41	0.35	0.45	0.92	0.39
0.4	0.37	0.49	0.35	0.42	0.29	0.55	0.31	0.44	0.44	0.38	0.52	0.96	0.46

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.374	0.404	1.02	0.501	0.589	0.6	0.615	0.476	0.447	0.425	0.425	0.38	0.407	0.388
0.356	0.363	0.624	0.393	0.449	0.471	0.415	0.345	0.328	0.313	0.285	0.259	0.269	0.235
0.235	0.278	0.531	0.317	0.365	0.351	0.373	0.284	0.253	0.256	0.229	0.238	0.223	0.199
0.274	0.422	0.386	0.313	0.328	0.304	0.316	0.332	0.284	0.292	0.265	0.271	0.252	0.225
0.205	0.267	0.374	0.271	0.307	0.339	0.311	0.313	0.296	0.24	0.245	0.244	0.261	0.197
0.171	0.189	0.196	0.184	0.19	0.203	0.186	0.18	0.16	0.119	0.108	0.121	0.177	0.117
0.615	0.751	0.685	0.933	0.845	1.02	0.734	0.816	0.713	0.648	0.641	0.74	1.04	0.512
0.401	0.42	0.555	0.386	0.445	0.463	0.53	0.42	0.379	0.404	0.394	0.351	0.567	0.324
0.303	0.339	0.275	0.232	0.192	0.258	0.287	0.155	0.249	0.146	0.135	0.211	0.125	0.079
0.402	0.461	0.774	0.405	0.493	0.503	0.623	0.427	0.391	0.395	0.374	0.361	0.358	0.328
0.503	0.53	0.837	0.427	0.478	0.47	0.421	0.413	0.384	0.321	0.298	0.302	0.365	0.301
0.875	0.834	1.23	1.16	0.861	1.14	1.18	0.901	0.958	0.943	0.805	0.934	0.872	0.792
0.109	0.074	0.075	0.103	0.127	0.129	0.092	0.098	0.095	0.081	0.076	0.097	0.094	0.081
0.072	0.087	0.097	0.082	0.08	0.074	0.076	0.063	0.06	0.054	0.055	0.04	0.066	0.051
0.031	0.033	0.032	0.025	0.028	0.03	0.027	0.026	0.024	0.023	0.018	0.017	0.038	0.022
0.14	0.153	0.138	0.118	0.136	0.162	0.123	0.149	0.157	0.126	0.115	0.156	0.209	0.108
0.019	0.018	0.023	0.017	0.02	0.031	0.023	0.023	0.019	0.019	0.017	0.023	0.04	0.019
0.02	0.018	0.024	0.016	0.022	0.013	0.028	0.014	0.021	0.022	0.017	0.025	0.055	0.037

27	28	29	30	31	32	33	34	35	36	37	38	39	40
3.85	3.65	2.84	4.36	4.19	3.72	3.81	4.01	4.56	5.38	4.36	4.84	5.23	5.24
2.82	3.04	2.48	2.55	3.06	2.67	2.7	2.79	3.25	3.42	2.93	3.23	3.58	3.11
2.32	2.52	2.02	3.19	2.05	2.6	2.05	2.09	2.47	2.3	2.3	2.56	2.51	2.45
5.65	5.29	4.71	5.41	4.86	5	5.23	5.37	5.71	5.21	5.33	5.21	5.31	5.06
1.62	1.6	1.28	1.66	1.34	1.68	1.6	1.6	1.94	1.9	1.81	1.87	1.88	1.32
2.88	2.61	2.36	2.78	2.4	2.4	2.82	2.53	3.07	2.44	2.3	2.99	2.45	2.33
2.99	2.74	2.27	2.76	2.4	2.35	2.48	2.1	2.66	2.6	2.01	2.73	1.86	2.05
2.81	2.71	1.72	2.76	2.36	2.21	2.29	2.42	2.84	3.24	2.65	3.32	3.1	2.97
3.77	5.45	5.12	7.19	5.88	6.25	7.45	4.95	8.93	4.92	6.84	8.04	6.83	6.08
4.51	4.8	4.04	4.49	4	3.79	3.72	4.29	4.46	4.54	4.28	4.7	8.52	5.98
1.5	1.51	1.8	2.1	1.39	1.41	1.47	1.56	1.74	1.86	1.8	1.79	2.32	2.22
2.97	3.26	2.98	3.63	2.92	2.86	2.43	3.52	2.97	3.5	2.83	3.11	5.79	4.34
1.37	1	0.88	1.91	1.28	1.99	1.91	1.92	1.98	1.95	1.85	1.85	1.93	2.44
2.46	2.24	1.61	2.86	2.5	2.43	2.42	2.46	2.46	2.48	2.55	2.25	2.6	1.3
0.89	0.85	0.66	0.87	0.66	0.68	0.9	0.81	0.93	0.69	0.73	0.71	0.75	0.69
2.26	1.86	1.78	2.3	2.32	1.84	2.27	2.89	2.99	2.04	2.22	2.68	2.51	2.93
0.39	0.35	0.36	0.38	0.35	0.33	0.32	0.32	0.42	0.37	0.33	0.59	0.43	0.41
0.31	0.39	0.3	0.39	0.36	0.33	0.33	0.34	0.38	0.39	0.31	0.82	0.44	0.37

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.399	0.348	0.274	0.429	0.384	0.334	0.301	0.284	0.303	0.38	0.295	0.298	0.303	0.29
0.248	0.237	0.195	0.227	0.24	0.196	0.188	0.181	0.192	0.203	0.187	0.193	0.196	0.17
0.216	0.191	0.173	0.263	0.181	0.184	0.151	0.144	0.159	0.15	0.155	0.163	0.155	0.153
0.236	0.196	0.193	0.24	0.211	0.22	0.222	0.212	0.236	0.226	0.229	0.225	0.213	0.203
0.228	0.223	0.204	0.259	0.208	0.231	0.213	0.19	0.235	0.236	0.221	0.241	0.228	0.177
0.137	0.122	0.106	0.141	0.121	0.115	0.128	0.104	0.117	0.113	0.103	0.109	0.094	0.096
0.655	0.509	0.475	0.604	0.519	0.501	0.546	0.463	0.583	0.525	0.508	0.631	0.395	0.438
0.361	0.339	0.228	0.379	0.317	0.305	0.301	0.307	0.341	0.441	0.324	0.372	0.333	0.338
0.08	0.112	0.116	0.161	0.122	0.122	0.139	0.081	0.145	0.082	0.114	0.13	0.098	0.086
0.343	0.331	0.282	0.329	0.287	0.255	0.221	0.224	0.21	0.247	0.206	0.22	0.344	0.229
0.32	0.27	0.311	0.398	0.292	0.323	0.306	0.313	0.336	0.357	0.353	0.348	0.449	0.391
0.775	0.846	0.797	0.985	0.799	0.739	0.667	0.969	0.717	0.958	0.733	0.844	0.908	1.05
0.067	0.048	0.047	0.084	0.056	0.071	0.063	0.059	0.06	0.061	0.06	0.057	0.057	0.032
0.043	0.039	0.03	0.048	0.04	0.036	0.036	0.033	0.033	0.035	0.038	0.032	0.034	0.042
0.017	0.016	0.014	0.018	0.013	0.011	0.018	0.013	0.015	0.012	0.012	0.015	0.013	0.013
0.116	0.1	0.104	0.127	0.12	0.093	0.109	0.121	0.124	0.093	0.105	0.109	0.098	0.112
0.02	0.014	0.014	0.017	0.015	0.011	0.014	0.013	0.015	0.014	0.011	0.027	0.016	0.014
0.014	0.017	0.012	0.021	0.014	0.011	0.016	0.012	0.016	0.014	0.01	0.033	0.019	0.015

Sulfate concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	3	8	9	10	11	9	8	8	9	10	12	7	6
CV5-WR-HCT-5	3	6	8	13	10	8	7	6	6	6	6	4	3
CV5-WR-HCT-5 (DUP)	2	5	8	7	7	7	5	4	4	4	6	3	3
CV5-WR-HCT-14	2	6	4	4	4	3	3	4	3	4	4	3	2
CV5-WR-HCT-22	2	3	4	4	3	2	2	2	3	3	3	2	2
CV5-WR-HCT-33	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-36	2	3	3	3	3	3	2	2	2	2	2	2	2
CV5-WR-HCT-39	5	16	18	14	11	10	10	10	8	8	7	7	7
CV5-WR-HCT-50	37	53	31	16	15	13	14	12	14	11	11	10	8
CV5-WR-HCT-56	2	2	2	2	2	2	2	2	3	3	3	4	3
CV5-WR-HCT-59	3	4	5	5	5	5	5	4	5	4	4	4	4
CV5-WR-HCT-62	2	3	3	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-64	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-69	7	3	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-74	2	2	2	2	2	2	2	2	2	2	2	2	2
CV5-WR-HCT-76	6	5	2	2	2	2	2	2	2	2	2	2	2
CV5-DMS-HCT-83	3	2	2	2	2	2	2	2	2	2	2	2	2
CV5-DMS-HCT-84	3	2	2	2	2	2	2	2	2	2	2	2	2

13	14	15	16	17	18	19	20	21	22	23	24	25	26
7	6	10	7	7	7	6	6	6	6	6	6	9	8
4	3	4	4	4	4	4	3	3	4	3	4	4	4
3	3	4	3	3	3	4	3	2	3	3	3	3	3
3	2	3	2	0	2	3	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	6	9	7	6	6	7	6	5	6	6	5	7	5
10	10	8	8	8	11	11	7	11	7	8	9	7	5
4	4	6	3	4	5	7	4	4	5	5	4	5	5
4	4	5	3	2	2	3	2	3	2	2	2	3	3
3	2	2	2	2	2	3	2	3	2	2	3	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2

27	28	29	30	31	32	33	34	35	36	37	38	39	40
8	7	7	9	9	8	8	10	10	13	9	12	12	11
4	3	3	3	4	3	3	5	4	4	4	4	5	3
3	3	2	4	3	2	2	3	3	3	3	3	4	3
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	3	5	2	2	2
6	5	4	6	6	5	5	6	6	8	6	6	7	6
5	8	10	13	12	12	12	9	14	9	11	12	10	8
6	5	5	5	5	5	4	6	6	7	6	7	9	7
4	2	4	4	3	3	2	3	3	3	3	3	4	3
4	2	2	3	3	2	2	4	3	4	4	3	4	3
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	0.03
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2

Aluminum concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.172	0.061	0.049	0.044	0.033	0.016	0.036	0.035	0.044	0.041	0.04	0.057	0.033
CV5-WR-HCT-5	0.118	0.042	0.029	0.02	0.02	0.012	0.021	0.018	0.024	0.028	0.027	0.05	0.023
CV5-WR-HCT-5 (DUP)	0.154	0.04	0.031	0.025	0.029	0.021	0.026	0.027	0.033	0.04	0.033	0.041	0.026
CV5-WR-HCT-14	0.131	0.115	0.142	0.109	0.098	0.122	0.122	0.119	0.134	0.127	0.101	0.124	0.123
CV5-WR-HCT-22	0.09	0.04	0.029	0.028	0.024	0.02	0.031	0.027	0.033	0.039	0.038	0.057	0.026
CV5-WR-HCT-33	0.165	0.06	0.053	0.038	0.061	0.06	0.047	0.041	0.051	0.02	0.051	0.033	0.064
CV5-WR-HCT-36	0.023	0.006	0.004	0.003	0.003	0.001	0.004	0.003	0.004	0.003	0.004	0.022	0.004
CV5-WR-HCT-39	0.084	0.063	0.051	0.033	0.038	0.01	0.031	0.037	0.033	0.034	0.027	0.05	0.03
CV5-WR-HCT-50	0.087	0.095	0.086	0.085	0.072	0.046	0.064	0.061	0.09	0.095	0.092	0.031	0.054
CV5-WR-HCT-56	0.161	0.064	0.061	0.04	0.046	0.063	0.037	0.044	0.054	0.041	0.04	0.056	0.048
CV5-WR-HCT-59	0.038	0.012	0.01	0.007	0.007	0.001	0.01	0.007	0.008	0.007	0.007	0.023	0.006
CV5-WR-HCT-62	0.01	0.002	0.002	0.002	0.001	0.001	0.003	0.002	0.002	0.001	0.002	0.006	0.001
CV5-WR-HCT-64	0.193	0.051	0.052	0.035	0.034	0.016	0.029	0.028	0.034	0.036	0.03	0.025	0.032
CV5-WR-HCT-69	0.257	0.176	0.156	0.132	0.125	0.131	0.128	0.135	0.146	0.184	0.16	0.061	0.094
CV5-WR-HCT-74	0.135	0.096	0.069	0.05	0.044	0.038	0.034	0.037	0.039	0.037	0.034	0.026	0.032
CV5-WR-HCT-76	0.189	0.079	0.104	0.071	0.067	0.036	0.048	0.055	0.052	0.057	0.047	0.207	0.043
CV5-DMS-HCT-83	0.068	0.045	0.046	0.035	0.033	0.01	0.031	0.029	0.031	0.034	0.031	0.009	0.023
CV5-DMS-HCT-84	0.076	0.047	0.048	0.038	0.042	0.009	0.031	0.026	0.031	0.034	0.029	0.013	0.024

Arsenic concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.0027	0.0036	0.0064	0.0043	0.0052	0.0053	0.0054	0.0083	0.0067	0.0066	0.0067	0.0054	0.0057
CV5-WR-HCT-5	0.0461	0.324	0.545	0.506	0.582	0.512	0.422	0.453	0.449	0.521	0.536	0.411	0.406
CV5-WR-HCT-5 (DUP)	0.0373	0.233	0.325	0.333	0.383	0.366	0.28	0.315	0.293	0.281	0.337	0.249	0.212
CV5-WR-HCT-14	0.0115	0.0817	0.106	0.106	0.111	0.113	0.0957	0.0897	0.0913	0.0801	0.073	0.0716	0.0733
CV5-WR-HCT-22	0.0195	0.18	0.281	0.308	0.343	0.293	0.247	0.278	0.272	0.283	0.349	0.289	0.27
CV5-WR-HCT-33	0.0041	0.0041	0.0085	0.005	0.0054	0.0045	0.0039	0.0051	0.005	0.0073	0.0106	0.0053	0.0053
CV5-WR-HCT-36	0.195	19.6	14.6	10.9	10.6	8.22	5.15	6.28	4.03	4.17	3.79	2.95	3.04
CV5-WR-HCT-39	0.0095	0.0479	0.0661	0.0549	0.0538	0.0588	0.0487	0.0499	0.0515	0.0391	0.0395	0.033	0.0342
CV5-WR-HCT-50	0.0207	0.0386	0.0332	0.0271	0.0289	0.0254	0.0252	0.0223	0.0282	0.026	0.0273	0.0242	0.0217
CV5-WR-HCT-56	0.0023	0.0049	0.0095	0.012	0.0145	0.017	0.0183	0.0215	0.0199	0.0236	0.0249	0.018	0.0207
CV5-WR-HCT-59	0.0432	0.306	0.501	0.603	0.836	0.854	0.729	0.837	0.906	0.886	0.947	0.854	0.931
CV5-WR-HCT-62	0.185	6.15	8.41	5.37	4.82	4.27	3.16	3.73	2.57	3.34	2.53	2.53	2.6
CV5-WR-HCT-64	0.34	0.526	0.306	0.135	0.113	0.0399	0.0515	0.0454	0.0432	0.0354	0.0327	0.0261	0.026
CV5-WR-HCT-69	0.21	0.236	0.136	0.0813	0.0588	0.0425	0.034	0.028	0.0257	0.0217	0.0212	0.0168	0.0118
CV5-WR-HCT-74	0.933	1.39	0.494	0.198	0.119	0.0895	0.0599	0.0545	0.0458	0.0447	0.0379	0.0302	0.0292
CV5-WR-HCT-76	0.0315	0.0813	0.0794	0.0499	0.0471	0.0248	0.023	0.022	0.0149	0.0147	0.0112	0.0115	0.0092
CV5-DMS-HCT-83	0.106	0.0909	0.0719	0.0495	0.0449	0.0153	0.0119	0.0289	0.023	0.0221	0.0186	0.0158	0.0143
CV5-DMS-HCT-84	0.0887	0.0448	0.0308	0.0197	0.0188	0.0046	0.0278	0.0154	0.0104	0.0093	0.0085	0.0076	0.0069

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.029	0.028	0.03	0.031	0.033	0.03	0.031	0.028	0.028	0.028	0.03	0.023	0.03	0.025
0.021	0.023	0.019	0.017	0.021	0.026	0.029	0.023	0.023	0.028	0.028	0.015	0.023	0.023
0.026	0.027	0.029	0.023	0.027	0.031	0.036	0.022	0.024	0.03	0.028	0.022	0.03	0.024
0.083	0.137	0.113	0.121	0.117	0.096	0.103	0.102	0.085	0.103	0.101	0.1	0.092	0.081
0.026	0.034	0.039	0.017	0.027	0.029	0.233	0.022	0.029	0.021	0.024	0.021	0.023	0.023
0.055	0.057	0.069	0.058	0.07	0.067	0.068	0.066	0.059	0.063	0.074	0.055	0.103	0.063
0.005	0.003	0.004	0.003	0.003	0.002	0.005	0.002	0.004	0.003	0.003	0.002	0.008	0.005
0.028	0.024	0.043	0.036	0.04	0.054	0.13	0.026	0.021	0.044	0.047	0.021	0.07	0.022
0.079	0.077	0.057	0.061	0.038	0.046	0.044	0.024	0.055	0.032	0.024	0.043	0.038	0.009
0.044	0.044	0.037	0.034	0.038	0.039	0.041	0.037	0.036	0.033	0.038	0.033	0.038	0.036
0.008	0.019	0.017	0.014	0.009	0.008	0.009	0.007	0.005	0.018	0.011	0.005	0.006	0.005
0.002	0.001	0.002	0.001	0.002	0.003	0.003	0.001	0.001	0.002	0.001	0.001	0.002	0.003
0.032	0.036	0.085	0.034	0.031	0.034	0.042	0.03	0.027	0.03	0.027	0.026	0.029	0.025
0.065	0.096	0.093	0.098	0.105	0.093	0.101	0.097	0.101	0.083	0.065	0.078	0.092	0.109
0.027	0.033	0.028	0.03	0.032	0.027	0.024	0.027	0.029	0.027	0.02	0.021	0.059	0.026
0.039	0.048	0.049	0.05	0.058	0.038	0.115	0.048	0.037	0.082	0.059	0.042	0.097	0.031
0.025	0.019	0.023	0.021	0.025	0.042	0.023	0.024	0.021	0.018	0.016	0.019	0.026	0.016
0.022	0.019	0.031	0.018	0.024	0.01	0.024	0.01	0.021	0.017	0.018	0.02	0.029	0.014

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.0051	0.004	0.0049	0.0044	0.0049	0.0076	0.0053	0.0053	0.0045	0.0051	0.0057	0.0053	0.0088	0.0041
0.359	0.273	0.379	0.323	0.357	0.467	0.31	0.278	0.254	0.271	0.248	0.247	0.203	0.207
0.228	0.185	0.317	0.234	0.25	0.3	0.242	0.208	0.168	0.186	0.168	0.177	0.142	0.153
0.0589	0.0729	0.0677	0.0683	0.0593	0.0549	0.0525	0.0566	0.043	0.0521	0.0437	0.0456	0.0409	0.0377
0.238	0.215	0.342	0.298	0.286	0.318	0.263	0.242	0.207	0.192	0.195	0.182	0.161	0.15
0.0057	0.0044	0.0056	0.0044	0.0055	0.0057	0.0053	0.0054	0.0069	0.0043	0.0038	0.004	0.007	0.0046
2.7	2.57	2.42	3.42	2.75	3.45	2.07	2.57	2	1.72	1.64	2.2	1.7	1.21
0.0349	0.0285	0.0391	0.0335	0.0366	0.0428	0.0379	0.0345	0.0312	0.033	0.0316	0.0315	0.0481	0.0238
0.0235	0.0222	0.0206	0.0214	0.0128	0.0127	0.0133	0.0095	0.012	0.0079	0.0064	0.0104	0.0092	0.0035
0.0223	0.0174	0.0276	0.0199	0.022	0.027	0.0261	0.0235	0.0187	0.0189	0.0189	0.018	0.0187	0.0168
0.803	0.658	1.07	0.704	0.75	0.681	0.489	0.527	0.405	0.34	0.337	0.372	0.356	0.341
1.74	1.16	2.07	2.12	1.25	1.79	1.37	1.16	1.09	1.09	0.925	1.11	0.844	0.869
0.0212	0.0141	0.0152	0.0176	0.0183	0.0191	0.0136	0.0134	0.0113	0.0096	0.0091	0.0104	0.01	0.0097
0.0096	0.0092	0.0136	0.0107	0.0104	0.011	0.0108	0.0091	0.0072	0.0071	0.0055	0.0063	0.0061	0.0063
0.0222	0.0255	0.027	0.021	0.0201	0.0203	0.018	0.0207	0.0149	0.0122	0.0123	0.0132	0.0158	0.0123
0.0098	0.0077	0.0068	0.0061	0.0062	0.008	0.0069	0.0057	0.0051	0.0055	0.0043	0.005	0.0049	0.0029
0.0124	0.0081	0.0109	0.0082	0.0094	0.0132	0.007	0.0079	0.007	0.0068	0.0064	0.007	0.0071	0.0056
0.0067	0.0052	0.0063	0.0057	0.0059	0.0031	0.007	0.0035	0.0063	0.0057	0.0048	0.0053	0.0053	0.004

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.022	0.026	0.017	0.025	0.023	0.023	0.022	0.022	0.023	0.025	0.025	0.026	0.028	0.027
0.019	0.029	0.021	0.027	0.021	0.021	0.018	0.02	0.024	0.028	0.025	0.029	0.035	0.033
0.02	0.032	0.023	0.024	0.022	0.017	0.019	0.019	0.024	0.025	0.025	0.034	0.03	0.032
0.08	0.091	0.083	0.093	0.085	0.086	0.132	0.096	0.106	0.094	0.099	0.096	0.09	0.104
0.019	0.042	0.03	0.023	0.023	0.028	0.018	0.016	0.022	0.02	0.02	0.026	0.026	0.031
0.058	0.068	0.055	0.064	0.05	0.062	0.055	0.056	0.053	0.066	0.056	0.053	0.068	0.067
0.003	0.003	0.003	0.002	0.003	0.004	0.002	0.002	0.001	0.003	0.002	0.002	0.004	0.003
0.018	0.028	0.019	0.021	0.02	0.02	0.013	0.012	0.013	0.035	0.015	0.015	0.027	0.017
0.005	0.006	0.006	0.008	0.007	0.007	0.025	0.006	0.017	0.007	0.014	0.016	0.022	0.011
0.034	0.042	0.034	0.038	0.034	0.035	0.032	0.036	0.037	0.036	0.039	0.042	0.119	0.064
0.004	0.006	0.009	0.008	0.004	0.004	0.006	0.003	0.005	0.004	0.004	0.004	0.025	0.01
0.001	0.002	0.002	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.004	0.002
0.023	0.025	0.029	0.024	0.023	0.026	0.023	0.024	0.027	0.028	0.029	0.029	0.079	0.131
0.077	0.054	0.052	0.061	0.063	0.075	0.073	0.073	0.064	0.067	0.08	0.071	0.125	0.049
0.017	0.021	0.017	0.014	0.017	0.016	0.017	0.017	0.018	0.019	0.019	0.021	0.024	0.018
0.032	0.073	0.077	0.041	0.035	0.039	0.029	0.028	0.029	0.04	0.042	0.031	0.039	0.032
0.012	0.014	0.01	0.014	0.012	0.014	0.011	0.012	0.016	0.011	0.015	0.019	0.01	0.013
0.009	0.014	0.009	0.013	0.013	0.012	0.011	0.011	0.016	0.011	0.013	0.02	0.01	0.012

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.0041	0.0042	0.0039	0.0038	0.004	0.0044	0.0035	0.0031	0.0043	0.0094	0.0034	0.0036	0.0033	0.0029
0.201	0.211	0.203	0.152	0.212	0.193	0.173	0.173	0.178	0.187	0.157	0.169	0.178	0.154
0.144	0.156	0.151	0.204	0.144	0.156	0.115	0.114	0.12	0.126	0.111	0.124	0.123	0.113
0.0383	0.0349	0.0377	0.0371	0.0353	0.0391	0.0382	0.0392	0.0414	0.0396	0.036	0.0374	0.0356	0.0318
0.156	0.157	0.171	0.18	0.153	0.156	0.146	0.135	0.133	0.119	0.114	0.129	0.132	0.0968
0.0042	0.0042	0.0041	0.0041	0.0038	0.0043	0.0052	0.0037	0.004	0.0041	0.0036	0.0039	0.0044	0.004
1.67	1.42	1.44	1.19	1.26	1.35	1.39	1.13	1.58	1.19	0.951	1.61	0.973	0.863
0.0244	0.0251	0.0201	0.0217	0.0218	0.0222	0.0215	0.0193	0.0232	0.0239	0.0185	0.0254	0.0219	0.0195
0.0029	0.0031	0.0035	0.0035	0.0027	0.0032	0.0054	0.0027	0.0046	0.0052	0.004	0.0049	0.0039	0.0029
0.0168	0.0176	0.0169	0.0159	0.0149	0.0153	0.0134	0.0137	0.0128	0.0157	0.0116	0.0124	0.0284	0.0146
0.333	0.234	0.268	0.319	0.313	0.34	0.297	0.266	0.277	0.251	0.242	0.238	0.373	0.328
0.745	0.849	0.805	0.735	0.709	0.658	0.569	0.941	0.652	0.728	0.58	0.654	0.709	0.803
0.0077	0.0064	0.0064	0.0075	0.0074	0.0081	0.0072	0.0072	0.0069	0.0061	0.0058	0.0079	0.0067	0.0042
0.0059	0.0035	0.0032	0.0053	0.0051	0.0051	0.0047	0.0041	0.0042	0.0038	0.0038	0.0039	0.0041	0.0053
0.0103	0.011	0.01	0.0103	0.0101	0.0102	0.011	0.0109	0.0099	0.009	0.0097	0.0093	0.0097	0.0082
0.004	0.0029	0.0037	0.0031	0.0028	0.0026	0.0025	0.0029	0.0035	0.0027	0.0035	0.0025	0.0028	0.0026
0.005	0.005	0.0053	0.0046	0.0046	0.0045	0.0042	0.0044	0.0046	0.0032	0.004	0.0056	0.0036	0.0035
0.0035	0.0035	0.003	0.0031	0.0034	0.0034	0.0031	0.0029	0.0033	0.0029	0.0029	0.0049	0.0024	0.0025

Berylium concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.000007	0.000007	0.000009	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
CV5-WR-HCT-5	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000007
CV5-WR-HCT-5 (DUP)	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000007
CV5-WR-HCT-14	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000007
CV5-WR-HCT-22	0.000007	0.000007	0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000009	0.000007
CV5-WR-HCT-33	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.00001	0.000007
CV5-WR-HCT-36	0.000007	0.000007	0.000009	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000014	0.000007
CV5-WR-HCT-39	0.000007	0.000007	0.000011	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000013	0.000007
CV5-WR-HCT-50	0.000007	0.000007	0.00001	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000016	0.000007	0.00001	0.000007
CV5-WR-HCT-56	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
CV5-WR-HCT-59	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000007
CV5-WR-HCT-62	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
CV5-WR-HCT-64	0.000026	0.00002	0.000029	0.000013	0.000018	0.000007	0.000007	0.000013	0.000012	0.000013	0.000014	0.000025	0.000014
CV5-WR-HCT-69	0.000437	0.000366	0.000332	0.000217	0.00025	0.000194	0.000133	0.000204	0.000179	0.000189	0.000129	0.000424	0.000145
CV5-WR-HCT-74	0.000031	0.000036	0.000028	0.000013	0.000012	0.000011	0.000007	0.000007	0.000009	0.000007	0.000007	0.000268	0.000007
CV5-WR-HCT-76	0.000091	0.000148	0.000112	0.000061	0.000091	0.000054	0.000059	0.000058	0.000068	0.000058	0.000056	0.000527	0.000054
CV5-DMS-HCT-83	0.000068	0.000028	0.000025	0.000016	0.000013	0.000014	0.000011	0.000007	0.00001	0.000008	0.000013	0.000018	0.000009
CV5-DMS-HCT-84	0.000035	0.000027	0.000027	0.000007	0.000018	0.000025	0.000007	0.000009	0.000009	0.000007	0.000007	0.000034	0.000007

Cadmium concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.000003	0.000003	0.000003	0.000012	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-5	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000038	0.000003	0.000003
CV5-WR-HCT-5 (DUP)	0.000004	0.000003	0.000003	0.000017	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-14	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-22	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000003	0.000003
CV5-WR-HCT-33	0.000003	0.000003	0.000003	0.000013	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003	0.000003
CV5-WR-HCT-36	0.000006	0.000003	0.000004	0.000011	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-39	0.000003	0.000003	0.000005	0.000019	0.000003	0.000005	0.000005	0.000006	0.000008	0.000005	0.000015	0.000003	0.000009
CV5-WR-HCT-50	0.000005	0.000018	0.000029	0.000024	0.000012	0.000027	0.000019	0.00002	0.000027	0.00003	0.000041	0.000007	0.00003
CV5-WR-HCT-56	0.000003	0.000003	0.000003	0.000012	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-59	0.000003	0.000003	0.000003	0.000016	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-62	0.000003	0.000003	0.000003	0.00002	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-64	0.000003	0.000004	0.000003	0.000017	0.000003	0.000004	0.000003	0.000004	0.000003	0.000003	0.000005	0.000003	0.000003
CV5-WR-HCT-69	0.000003	0.000003	0.000003	0.000014	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-WR-HCT-74	0.000004	0.000003	0.000003	0.000021	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005
CV5-WR-HCT-76	0.000003	0.000003	0.000004	0.000028	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
CV5-DMS-HCT-83	0.000005	0.000003	0.000003	0.000018	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000004	0.000003	0.000003
CV5-DMS-HCT-84	0.000004	0.000003	0.000003	0.000016	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000009	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000013	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000009	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000009	0.000007	0.000007	0.000007	0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000018	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000013	0.000008
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000013	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000026	0.000007	0.000007
0.000016	0.000022	0.000114	0.000024	0.000007	0.00001	0.000011	0.000015	0.000015	0.000011	0.000008	0.000007	0.000009	0.000015
0.000155	0.000178	0.00009	0.000133	0.000135	0.000081	0.00009	0.000079	0.000095	0.000078	0.000089	0.000066	0.000079	0.000083
0.000007	0.000007	0.000007	0.000008	0.000007	0.000007	0.000007	0.000012	0.000007	0.000007	0.000031	0.000013	0.000016	0.000007
0.000032	0.000064	0.000044	0.000057	0.0001	0.000057	0.000233	0.000049	0.000102	0.000138	0.000083	0.000089	0.000123	0.000057
0.000007	0.000009	0.000007	0.000009	0.000015	0.00001	0.000009	0.000012	0.000007	0.000008	0.000007	0.000007	0.000034	0.00001
0.000008	0.000007	0.000007	0.000015	0.00001	0.000011	0.000009	0.00001	0.000007	0.000008	0.000007	0.000007	0.000043	0.000013

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.000003	0.000003	0.000005	0.000007	0.000003	0.000003	0.000003	0.000007	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000005	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000005	0.000006	0.000006	0.000006	0.000007	0.000004	0.000004	0.000003	0.000007	0.000007	0.00001	0.000003	0.000015	0.000009
0.00002	0.000035	0.000028	0.000021	0.000022	0.00003	0.000038	0.000023	0.000028	0.000022	0.000027	0.000029	0.000055	0.000021
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000039	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000004	0.000013	0.000003	0.000003
0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000008	0.000003	0.000006	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000007	0.000003

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.000007	0.000007	0.000007	0.000011	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.00001	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000012	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000011	0.000012	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.00001	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000008	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000011	0.000007	0.000007	0.000007	0.000007	0.000007
0.000008	0.000007	0.000011	0.000013	0.000011	0.000007	0.000007	0.000007	0.000007	0.000007	0.000011	0.000009	0.000026	0.000365
0.000057	0.000072	0.000108	0.000154	0.00009	0.000076	0.000071	0.000075	0.000069	0.000079	0.000102	0.000082	0.000281	0.000012
0.000007	0.000007	0.000007	0.000017	0.000007	0.000008	0.00001	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
0.000027	0.000208	0.000106	0.000085	0.000059	0.000051	0.000042	0.000032	0.000103	0.000067	0.000051	0.000044	0.00004	0.000042
0.000008	0.000007	0.000009	0.000007	0.000007	0.000007	0.000009	0.000007	0.000007	0.000007	0.000008	0.000013	0.000009	0.000007
0.000007	0.000009	0.000009	0.000011	0.00001	0.00001	0.00001	0.000007	0.000009	0.000009	0.000014	0.000007	0.00001	0.000007

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.000006	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000008	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004
0.000003	0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000007	0.000003	0.000013	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000006	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000016	0.000003	0.000003	0.000004	0.000004	0.000005	0.000003	0.000023	0.000003	0.000009	0.000009
0.000013	0.000009	0.000003	0.00001	0.000006	0.000005	0.000005	0.000004	0.000004	0.000005	0.000003	0.000006	0.000007	0.000012
0.000027	0.000042	0.000047	0.000049	0.000038	0.000044	0.000032	0.000028	0.000039	0.000021	0.000035	0.000041	0.000033	0.000032
0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003	0.000006	0.000003	0.000003	0.000004	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000007	0.000003	0.000005
0.000003	0.000003	0.000004	0.000013	0.000003	0.000003	0.000003	0.000004	0.000003	0.000003	0.000004	0.000006	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000004	0.000004	0.000007	0.000003	0.000006
0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000006	0.000003	0.000003	0.000003
0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000005	0.000003	0.000003	0.000003	0.000003	0.000003
0.000003	0.000003	0.000004	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003

Chromium concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.00009	0.00017	0.00008	0.00013	0.00008	0.00008	0.00008	0.00008	0.00008	0.0001	0.00008	0.00013	0.00008
CV5-WR-HCT-5	0.00017	0.00038	0.00009	0.00008	0.00008	0.00008	0.00012	0.00008	0.00008	0.00015	0.00008	0.00039	0.0017
CV5-WR-HCT-5 (DUP)	0.00025	0.00008	0.00008	0.0001	0.00008	0.00052	0.00008	0.0001	0.00008	0.00009	0.00008	0.0003	0.00008
CV5-WR-HCT-14	0.00008	0.00012	0.00008	0.00008	0.00008	0.00016	0.00008	0.00008	0.00008	0.00008	0.00008	0.00024	0.00008
CV5-WR-HCT-22	0.0001	0.00017	0.00009	0.00011	0.00008	0.00008	0.0001	0.00014	0.00008	0.00017	0.00012	0.00044	0.00011
CV5-WR-HCT-33	0.00008	0.00016	0.00008	0.00008	0.00008	0.0003	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
CV5-WR-HCT-36	0.00376	0.00029	0.00012	0.00015	0.00008	0.00008	0.00015	0.00013	0.00017	0.00025	0.00013	0.00104	0.0002
CV5-WR-HCT-39	0.00012	0.0001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00016	0.00008
CV5-WR-HCT-50	0.00008	0.00093	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.0001	0.00008	0.00008	0.00008
CV5-WR-HCT-56	0.00008	0.00011	0.00008	0.00018	0.00008	0.00008	0.00008	0.00008	0.00008	0.00012	0.00008	0.00016	0.00008
CV5-WR-HCT-59	0.0005	0.00025	0.00018	0.00025	0.0001	0.00008	0.00017	0.00011	0.00012	0.00014	0.00008	0.00086	0.00023
CV5-WR-HCT-62	0.00047	0.00009	0.00008	0.00011	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00012	0.00008
CV5-WR-HCT-64	0.00011	0.00021	0.00008	0.00013	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
CV5-WR-HCT-69	0.00013	0.00015	0.00008	0.00013	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00012	0.00008
CV5-WR-HCT-74	0.00009	0.00014	0.00008	0.00016	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00015
CV5-WR-HCT-76	0.00008	0.00022	0.00008	0.00018	0.00008	0.00008	0.0001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
CV5-DMS-HCT-83	0.00019	0.0001	0.00008	0.00012	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
CV5-DMS-HCT-84	0.00014085	0.00011508	0.00007712	0.0000947	0.00007784	0.00007376	0.00007696	0.00007808	0.00007568	0.0000969	0.0000768	0.00007688	0.00007624

Copper concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.0009	0.0004	0.0002	0.0002	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0002
CV5-WR-HCT-5	0.0006	0.0004	0.0002	0.0003	0.0005	0.0017	0.0002	0.0002	0.0002	0.0002	0.0007	0.0002	0.0005
CV5-WR-HCT-5 (DUP)	0.0014	0.0003	0.0002	0.0002	0.0003	0.0004	0.001	0.0003	0.0004	0.0014	0.0002	0.0002	0.0002
CV5-WR-HCT-14	0.0005	0.0002	0.0002	0.0002	0.0004	0.0003	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002
CV5-WR-HCT-22	0.0004	0.0004	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0006	0.0002	0.0004
CV5-WR-HCT-33	0.0009	0.0007	0.0006	0.0004	0.0006	0.0004	0.0003	0.0003	0.0003	0.0002	0.0003	0.0002	0.0004
CV5-WR-HCT-36	0.0004	0.0002	0.0002	0.0002	0.0004	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0013
CV5-WR-HCT-39	0.0002	0.0004	0.0002	0.0002	0.0004	0.0002	0.0003	0.0002	0.0003	0.0002	0.0006	0.0002	0.0002
CV5-WR-HCT-50	0.0004	0.0003	0.0002	0.0002	0.0003	0.0046	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002
CV5-WR-HCT-56	0.0005	0.0002	0.0004	0.0002	0.0003	0.0003	0.0002	0.0002	0.0002	0.0007	0.0002	0.0002	0.0002
CV5-WR-HCT-59	0.0006	0.0002	0.0004	0.0002	0.0003	0.0055	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0005
CV5-WR-HCT-62	0.0005	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
CV5-WR-HCT-64	0.0028	0.0009	0.0003	0.0003	0.0003	0.0005	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
CV5-WR-HCT-69	0.0089	0.0035	0.0013	0.0008	0.0009	0.0006	0.0005	0.0005	0.0004	0.0005	0.0004	0.0002	0.0004
CV5-WR-HCT-74	0.0022	0.0015	0.0006	0.0005	0.0003	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
CV5-WR-HCT-76	0.0021	0.0011	0.0007	0.0005	0.0005	0.0004	0.0011	0.0003	0.0002	0.0002	0.0006	0.0002	0.0002
CV5-DMS-HCT-83	0.0017	0.001	0.0005	0.0004	0.0006	0.0008	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002
CV5-DMS-HCT-84	0.0019	0.001	0.0008	0.0004	0.001	0.0004	0.0002	0.0002	0.0004	0.0002	0.0002	0.0002	0.0002

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.00158	0.00008	0.00008	0.00012	0.00008	0.00011	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00022	0.00008
0.00008	0.00008	0.00008	0.00011	0.0001	0.00011	0.00011	0.00008	0.00008	0.00008	0.00008	0.00008	0.00023	0.00008
0.00065	0.00008	0.00008	0.00012	0.00008	0.00014	0.00012	0.00008	0.00008	0.00008	0.00008	0.00008	0.00021	0.00008
0.00014	0.00008	0.00008	0.00009	0.00008	0.00012	0.00008	0.00008	0.00014	0.00008	0.00008	0.00008	0.00013	0.00008
0.00034	0.00026	0.00011	0.00016	0.0001	0.00015	0.00008	0.00008	0.00008	0.00008	0.00013	0.00008	0.0002	0.00008
0.00008	0.00008	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00014	0.00008
0.00058	0.00037	0.00014	0.00043	0.00008	0.00017	0.00019	0.00009	0.00008	0.00012	0.00013	0.00008	0.00049	0.0001
0.00026	0.00008	0.00008	0.00011	0.00009	0.00014	0.00012	0.00008	0.00008	0.00008	0.0001	0.00008	0.00028	0.00008
0.0001	0.00008	0.00008	0.0001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00015	0.00008
0.00055	0.00008	0.00008	0.00009	0.00008	0.00008	0.00036	0.00008	0.00008	0.00008	0.00008	0.00008	0.00014	0.00008
0.00008	0.00041	0.00032	0.00047	0.00019	0.00012	0.00015	0.00008	0.00008	0.00014	0.00012	0.00008	0.0002	0.00008
0.00011	0.00012	0.00013	0.0001	0.00008	0.00014	0.0001	0.00008	0.00008	0.00009	0.00009	0.00008	0.00021	0.00008
0.00008	0.00008	0.00016	0.00012	0.00008	0.0001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00024	0.00008
0.00008	0.00016	0.00008	0.00011	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.0002	0.00008
0.00018	0.00008	0.00008	0.00011	0.00008	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00027	0.00008
0.00059	0.0005	0.00008	0.00008	0.00008	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00025	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00019	0.00008
0.00007672	0.0000919	0.00007584	0.00010582	0.00007504	0.00007712	0.00007576	0.00007792	0.00015424	0.000078	0.00007712	0.0000788	0.00020349	0.00007752

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.0011	0.0003	0.001	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	0.0002	0.0012	0.0007	0.0011	0.0002
0.0002	0.0002	0.0005	0.0002	0.0002	0.0002	0.0003	0.0004	0.0002	0.0004	0.0005	0.0004	0.0005	0.0002
0.0026	0.0003	0.0002	0.0002	0.0002	0.0012	0.0005	0.0002	0.0003	0.0007	0.0005	0.0003	0.0003	0.0002
0.0002	0.0004	0.0003	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0006	0.0016	0.0003	0.0015	0.0002
0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0009	0.0011	0.0002	0.0018	0.0002
0.0005	0.0004	0.0004	0.0003	0.0004	0.0006	0.0005	0.0004	0.0005	0.0007	0.0015	0.0008	0.0012	0.0005
0.0011	0.0012	0.0002	0.0008	0.0002	0.0002	0.0002	0.0002	0.0003	0.0004	0.0002	0.0002	0.002	0.0002
0.0003	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0007	0.0012	0.0006	0.0012	0.0002
0.0003	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0002	0.0002	0.0006	0.0004	0.0002	0.0015	0.0002
0.0032	0.0005	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0005	0.0004	0.0002	0.0007	0.0002
0.0002	0.0006	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0008	0.0005	0.0011	0.0002	0.0002
0.0003	0.0008	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0002	0.0002
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0004	0.0006	0.0014	0.0022	0.0002
0.0009	0.0006	0.0003	0.0003	0.0003	0.0004	0.0004	0.0002	0.0006	0.0003	0.0006	0.0002	0.0004	0.0002
0.0016	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0002	0.0002	0.0002	0.0022	0.0002
0.0015	0.0008	0.0004	0.0003	0.0002	0.0002	0.0004	0.0002	0.0002	0.0003	0.001	0.0004	0.0022	0.0002
0.001	0.0007	0.0002	0.0002	0.0002	0.0002	0.0004	0.0002	0.0003	0.0003	0.0002	0.0006	0.0069	0.0002
0.0002	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0008	0.0027	0.0002	0.0003	0.0002

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.0001	0.00008	0.00027	0.00008	0.00008	0.00009
0.00008	0.00011	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00016	0.00012	0.00008	0.00008	0.00012	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00009
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00015	0.00013	0.0001	0.00008	0.0001	0.00008	0.00008	0.00008	0.00008	0.00017	0.00008	0.00008	0.00008	0.00012
0.00008	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.0001	0.00011	0.00023	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00009	0.00047	0.00012
0.00008	0.00014	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00017	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00008	0.00008	0.00009	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
0.00007864	0.00007856	0.00008128	0.0000792	0.00008048	0.00008048	0.00007568	0.00007944	0.00007912	0.00007536	0.00007936	0.00007968	0.000076	0.00007736

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002	0.002
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0002	0.0005	0.0002	0.002	0.0023
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002	0.002
0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0004	0.0002	0.0003	0.0002	0.002	0.002
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0008	0.0002	0.0002	0.0003	0.0003	0.002	0.002
0.0004	0.0005	0.0006	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0007	0.0009	0.002	0.002
0.0005	0.0002	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002	0.002
0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0004	0.0002	0.002	0.002
0.0005	0.0002	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0003	0.0002	0.0004	0.0003	0.002	0.002
0.0013	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0002	0.002	0.002
0.0008	0.0002	0.0002	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0012	0.0004	0.002	0.002
0.0005	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002	0.002
0.0002	0.0002	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002	0.002
0.0008	0.0002	0.0002	0.0002	0.0002	0.0002	0.0006	0.0002	0.0003	0.0002	0.0003	0.0003	0.002	0.002
0.0019	0.0002	0.0002	0.0002	0.0004	0.0002	0.0002	0.0002	0.001	0.0002	0.0002	0.0002	0.002	0.002
0.0002	0.0005	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002	0.002
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0003	0.002	0.002
0.0002	0.0002	0.0003	0.0002	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.002	0.002

Lithium concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.0302	0.0463	0.0472	0.0435	0.0432	0.0363	0.0281	0.027	0.0275	0.0228	0.0312	0.0253	0.0165
CV5-WR-HCT-5	0.103	0.17	0.103	0.2	0.109	0.0783	0.058	0.0461	0.0411	0.0362	0.0401	0.0305	0.0203
CV5-WR-HCT-5 (DUP)	0.109	0.137	0.119	0.0979	0.0806	0.0695	0.0441	0.0398	0.0341	0.0306	0.0382	0.0277	0.0156
CV5-WR-HCT-14	0.0161	0.0166	0.0123	0.0103	0.0103	0.0095	0.0086	0.0078	0.0081	0.007	0.0065	0.0077	0.0064
CV5-WR-HCT-22	0.0148	0.0229	0.023	0.0202	0.0189	0.0166	0.0139	0.0145	0.0152	0.0141	0.0187	0.016	0.0116
CV5-WR-HCT-33	0.0167	0.0262	0.0219	0.02	0.0173	0.0141	0.0103	0.0121	0.0115	0.0125	0.0112	0.0115	0.0093
CV5-WR-HCT-36	0.0232	0.0365	0.0235	0.016	0.0146	0.0105	0.007	0.0079	0.0062	0.0058	0.0067	0.0062	0.0053
CV5-WR-HCT-39	0.0459	0.0769	0.0654	0.0597	0.0507	0.0405	0.0405	0.0346	0.0301	0.0249	0.0225	0.0238	0.019
CV5-WR-HCT-50	0.189	0.221	0.111	0.0591	0.0464	0.0338	0.0298	0.0229	0.0283	0.0225	0.0204	0.0208	0.0138
CV5-WR-HCT-56	0.0269	0.0391	0.0394	0.0286	0.0204	0.0206	0.0158	0.0136	0.013	0.0133	0.0124	0.0115	0.008
CV5-WR-HCT-59	0.006	0.0072	0.0068	0.0059	0.0065	0.006	0.0046	0.0048	0.0056	0.0051	0.0051	0.006	0.0045
CV5-WR-HCT-62	0.0019	0.0017	0.0023	0.0018	0.0014	0.0013	0.0017	0.0011	0.0009	0.0012	0.001	0.0012	0.001
CV5-WR-HCT-64	0.153	0.206	0.0942	0.0496	0.0368	0.0208	0.0173	0.0131	0.0136	0.0105	0.0095	0.009	0.0068
CV5-WR-HCT-69	0.134	0.099	0.0406	0.0215	0.0171	0.0128	0.0102	0.009	0.0095	0.0095	0.0073	0.0078	0.006
CV5-WR-HCT-74	0.867	0.918	0.272	0.142	0.0846	0.0593	0.0424	0.0391	0.0384	0.0309	0.0262	0.0277	0.0196
CV5-WR-HCT-76	0.484	0.312	0.124	0.0755	0.0586	0.0382	0.0293	0.0245	0.0251	0.0245	0.0187	0.0197	0.0155
CV5-DMS-HCT-83	0.0802	0.0424	0.0236	0.0138	0.0103	0.0069	0.005	0.0053	0.0034	0.0029	0.0026	0.0027	0.0019
CV5-DMS-HCT-84	0.0799	0.0466	0.0226	0.0135	0.0103	0.0072	0.0057	0.0054	0.0035	0.0029	0.0024	0.0028	0.002

Nickel concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.0002	0.0004	0.0002	0.0003	0.0005	0.0005	0.0004	0.0004	0.0003	0.0002	0.0003	0.0002	0.01
CV5-WR-HCT-5	0.0006	0.0018	0.0021	0.0033	0.0028	0.0053	0.0025	0.0046	0.0021	0.0017	0.0016	0.0015	0.0081
CV5-WR-HCT-5 (DUP)	0.0009	0.0016	0.0017	0.0021	0.0023	0.0039	0.002	0.0025	0.0017	0.0012	0.0012	0.001	0.0012
CV5-WR-HCT-14	0.0003	0.0006	0.0003	0.0003	0.0006	0.0003	0.0003	0.0004	0.0003	0.0002	0.0002	0.0003	0.0002
CV5-WR-HCT-22	0.0002	0.0005	0.0005	0.0006	0.0007	0.001	0.0005	0.0008	0.0006	0.0005	0.0004	0.0006	0.0025
CV5-WR-HCT-33	0.0002	0.0002	0.0002	0.0003	0.0002	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002
CV5-WR-HCT-36	0.0021	0.188	0.118	0.0862	0.086	0.0676	0.0308	0.0494	0.0212	0.0183	0.0147	0.0123	0.0166
CV5-WR-HCT-39	0.0003	0.0009	0.0009	0.001	0.0008	0.0008	0.0007	0.0009	0.0005	0.0004	0.0004	0.0003	0.0005
CV5-WR-HCT-50	0.0087	0.0091	0.0069	0.0027	0.0021	0.0014	0.0019	0.0018	0.0018	0.0017	0.0013	0.001	0.0013
CV5-WR-HCT-56	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0002
CV5-WR-HCT-59	0.0029	0.0022	0.003	0.0039	0.0051	0.0074	0.0047	0.006	0.0055	0.0046	0.0067	0.0041	0.0063
CV5-WR-HCT-62	0.0032	0.0524	0.0833	0.0637	0.0498	0.0514	0.0276	0.0448	0.0179	0.0314	0.0239	0.0204	0.0319
CV5-WR-HCT-64	0.0005	0.0007	0.0002	0.0003	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
CV5-WR-HCT-69	0.0005	0.0004	0.0002	0.0022	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0011
CV5-WR-HCT-74	0.0002	0.0004	0.0002	0.0004	0.0002	0.0004	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0005
CV5-WR-HCT-76	0.0001	0.0002	0.0001	0.0002	0.0006	0.0002	0.0001	0.0005	0.0001	0.0001	0.0001	0.0005	0.0001
CV5-DMS-HCT-83	0.0007	0.0003	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0003	0.0001	0.0001	0.0001	0.0001
CV5-DMS-HCT-84	0.0008	0.0004	0.0002	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.0133	0.0138	0.0268	0.015	0.0164	0.0133	0.0153	0.0135	0.0134	0.0117	0.0114	0.0103	0.0091	0.0089
0.0174	0.0157	0.03	0.0172	0.02	0.0196	0.0172	0.0151	0.0151	0.0126	0.0127	0.0119	0.01	0.0094
0.013	0.013	0.0283	0.0149	0.0167	0.0151	0.0163	0.012	0.0123	0.0104	0.01	0.0103	0.0086	0.0081
0.0043	0.0061	0.0054	0.0051	0.0052	0.0049	0.0048	0.0057	0.0055	0.0052	0.0047	0.0049	0.0043	0.0037
0.0088	0.0102	0.0151	0.0106	0.0115	0.0108	0.0092	0.0096	0.0096	0.0075	0.0076	0.0072	0.006	0.0055
0.0062	0.0061	0.006	0.0064	0.0065	0.0064	0.0057	0.0059	0.0058	0.0043	0.0034	0.0044	0.0041	0.0034
0.0042	0.0043	0.0044	0.0047	0.0044	0.0044	0.0037	0.004	0.0039	0.0036	0.0031	0.0035	0.0034	0.002
0.0171	0.0164	0.022	0.016	0.018	0.0164	0.0173	0.015	0.0148	0.0137	0.0137	0.0125	0.0152	0.009
0.0133	0.0147	0.0116	0.0113	0.0089	0.0133	0.0181	0.0092	0.0207	0.0101	0.0093	0.0202	0.0097	0.0051
0.008	0.0081	0.0154	0.0068	0.0078	0.0072	0.008	0.0061	0.0059	0.0054	0.005	0.0048	0.0041	0.004
0.0036	0.0029	0.0045	0.0029	0.0035	0.0031	0.0025	0.0029	0.0029	0.0028	0.0019	0.0021	0.0022	0.0019
0.0006	0.0005	0.0008	0.0008	0.0007	0.0006	0.0007	0.0007	0.0007	0.0005	0.0005	0.0006	0.0006	0.0005
0.0051	0.0036	0.004	0.0045	0.0049	0.0044	0.0035	0.0039	0.004	0.0041	0.003	0.0032	0.0028	0.0023
0.004	0.0045	0.0048	0.0044	0.0042	0.0032	0.0037	0.0035	0.0037	0.0035	0.0028	0.0028	0.0028	0.0025
0.0158	0.0162	0.0161	0.0138	0.0145	0.0128	0.0107	0.0122	0.0127	0.0106	0.009	0.0091	0.0122	0.0075
0.0126	0.0128	0.0121	0.0114	0.0129	0.0126	0.0114	0.0122	0.0128	0.0104	0.0097	0.0111	0.0116	0.0066
0.0015	0.0013	0.0015	0.0012	0.0013	0.0014	0.0012	0.0012	0.0013	0.0014	0.0009	0.0011	0.0017	0.0006
0.0015	0.0014	0.0015	0.0012	0.0013	0.0009	0.0013	0.001	0.0014	0.0014	0.001	0.0013	0.0019	0.0006

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.0021	0.0002	0.0003	0.0002	0.0004	0.0003	0.0004	0.0003	0.0003	0.0002	0.0002	0.0001	0.0003	0.0003
0.0011	0.0011	0.0009	0.0011	0.001	0.0012	0.001	0.0012	0.001	0.001	0.001	0.0013	0.0013	0.0011
0.0201	0.0008	0.0006	0.0008	0.0009	0.0008	0.0007	0.001	0.0009	0.0007	0.0007	0.0009	0.0009	0.0007
0.001	0.0003	0.0002	0.0001	0.0001	0.0002	0.0003	0.0002	0.0003	0.0002	0.0002	0.0003	0.0002	0.0001
0.0014	0.0007	0.0004	0.0003	0.0003	0.0004	0.0004	0.0006	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004
0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001
0.0142	0.0113	0.0091	0.0127	0.0127	0.0152	0.0094	0.0118	0.0123	0.0092	0.0099	0.0129	0.0263	0.0081
0.0018	0.0004	0.0004	0.0003	0.0003	0.0004	0.0005	0.0003	0.0003	0.0003	0.0004	0.0001	0.0011	0.0004
0.001	0.0118	0.0011	0.0009	0.0008	0.0011	0.0019	0.0007	0.001	0.001	0.001	0.0012	0.0021	0.0008
0.0212	0.0003	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002
0.0057	0.0045	0.0024	0.0023	0.0032	0.003	0.0029	0.0032	0.0036	0.0036	0.0033	0.0059	0.0041	0.0044
0.0139	0.0084	0.0072	0.019	0.0095	0.0117	0.008	0.0092	0.011	0.008	0.0065	0.0146	0.0083	0.008
0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001
0.0015	0.0006	0.0001	0.0005	0.0001	0.0002	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001
0.0017	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0111	0.0001	0.0001	0.0001	0.0001	0.0001
0.0015	0.0011	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0001	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0002	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.0083	0.0099	0.0071	0.0111	0.0094	0.0084	0.0071	0.0063	0.0067	0.0081	0.0124	0.0072	0.0064	0.0064
0.0096	0.0105	0.0077	0.0099	0.0109	0.01	0.0081	0.0084	0.0082	0.0097	0.0195	0.0091	0.0091	0.0076
0.0081	0.0086	0.0063	0.0115	0.0084	0.0072	0.0063	0.0062	0.007	0.0072	0.0076	0.007	0.0071	0.0067
0.0038	0.0036	0.003	0.0045	0.004	0.0044	0.0045	0.0041	0.0044	0.0043	0.0046	0.0045	0.004	0.0034
0.0056	0.0067	0.0054	0.0074	0.0063	0.0064	0.0058	0.0053	0.006	0.0064	0.0058	0.0053	0.0054	0.0042
0.0036	0.0038	0.0029	0.0044	0.0041	0.0036	0.0044	0.0031	0.0039	0.0038	0.0065	0.0038	0.0029	0.0031
0.0024	0.0026	0.0019	0.0029	0.0027	0.0027	0.0029	0.0022	0.0026	0.0027		0.0026	0.0018	0.002
0.0088	0.011	0.0078	0.0113	0.0104	0.0092	0.0086	0.0076	0.008	0.0097	0.0082	0.0093	0.0077	0.0072
0.0042	0.0069	0.0066	0.0106	0.009	0.0109	0.0167	0.0076	0.0145	0.0069	0.012	0.0152	0.0118	0.0078
0.0037	0.0046	0.0033	0.005	0.0039	0.0035	0.0031	0.0029	0.0026	0.0032	0.0029	0.0029	0.0048	0.0029
0.0017	0.0016	0.0016	0.0021	0.0019	0.0021	0.0019	0.0018	0.0019	0.0022	0.0021	0.0018	0.0025	0.0022
0.0004	0.0005	0.0004	0.0019	0.0005	0.0005	0.0004	0.0005	0.0004	0.0005	0.0004	0.0004	0.0004	0.0005
0.002	0.002	0.0017	0.0029	0.0022	0.0021	0.002	0.0018	0.0019	0.0021	0.002	0.0017	0.0022	0.0018
0.0019	0.0021	0.0014	0.0022	0.0021	0.002	0.0019	0.0018	0.0017	0.0018	0.0038	0.0014	0.0019	0.0016
0.0067	0.0082	0.006	0.0079	0.0073	0.0068	0.0074	0.0071	0.0078	0.0065	0.0077	0.0073	0.0067	0.0068
0.0068	0.0081	0.0068	0.0082	0.0081	0.007	0.0073	0.0074	0.0073	0.0078	0.0098	0.0069	0.0068	0.0066
0.0005	0.0007	0.0005	0.0007	0.0006	0.0007	0.0006	0.0005	0.0006	0.0025	0.0006	0.0003	0.0006	0.0007
0.0005	0.0008	0.0006	0.0011	0.0007	0.0006	0.0006	0.0005	0.0006	0.0008	0.0007	0.0005	0.0006	0.0006

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.0002	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0006	0.0004	0.0002	0.0004	0.0004	0.0007	0.0005
0.0013	0.0011	0.0013	0.0007	0.0012	0.0015	0.0014	0.0017	0.0015	0.001	0.0013	0.0014	0.0015	0.0012
0.0009	0.0007	0.0009	0.0012	0.0008	0.0012	0.0009	0.001	0.001	0.0007	0.0009	0.0008	0.0009	0.0008
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0003	0.0001	0.0004	0.0001	0.0003	0.0003
0.0003	0.0005	0.0005	0.0004	0.0003	0.0006	0.0003	0.0004	0.0005	0.0004	0.0005	0.0007	0.0006	0.0006
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0006	0.0002
0.0101	0.0062	0.0075	0.0075	0.007	0.0072	0.0091	0.0109	0.0134	0.0069	0.0078	0.0122	0.0067	0.0067
0.0004	0.0004	0.0005	0.0004	0.0003	0.0006	0.0003	0.0005	0.0004	0.0004	0.0005	0.0006	0.0005	0.0005
0.0009	0.0018	0.002	0.002	0.0017	0.0022	0.0014	0.0014	0.0018	0.0012	0.002	0.0019	0.0015	0.0016
0.0001	0.0001	0.0002	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002	0.0002	0.0003	0.0003	0.0004	0.0003
0.0043	0.0045	0.0043	0.0037	0.0031	0.0047	0.0051	0.0068	0.0071	0.0079	0.0082	0.0079	0.0116	0.0076
0.008	0.0076	0.0086	0.0075	0.0075	0.0104	0.0104	0.0175	0.0111	0.0085	0.0101	0.0091	0.0089	0.0065
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0003	0.0002	0.0002	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0003	0.0001	0.0001	0.0002
0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0003	0.0001	0.0001	0.0002
0.0001	0.0001	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0001	0.0001	0.0002
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	0.0002	0.0002

Lead concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-5	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00026	0.00009	0.00009
CV5-WR-HCT-5 (DUP)	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-14	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-22	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-33	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00011	0.00009	0.00009
CV5-WR-HCT-36	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-39	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00014	0.00009
CV5-WR-HCT-50	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-56	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-59	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-62	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-64	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-69	0.00011	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-74	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-WR-HCT-76	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00013	0.00009	0.00009	0.00009	0.00009
CV5-DMS-HCT-83	0.00014	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
CV5-DMS-HCT-84	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009

Antimony concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.003	0.0109	0.0081	0.0099	0.0079	0.0136	0.0083	0.0118	0.0055	0.0055	0.0066	0.006	0.0052
CV5-WR-HCT-5	0.03	0.243	0.232	0.23	0.173	0.244	0.156	0.21	0.121	0.134	0.134	0.1	0.0872
CV5-WR-HCT-5 (DUP)	0.0177	0.141	0.12	0.135	0.118	0.149	0.0826	0.118	0.0802	0.0746	0.0841	0.0709	0.0541
CV5-WR-HCT-14	0.0046	0.0559	0.0357	0.0409	0.0329	0.0335	0.0246	0.0234	0.0174	0.0148	0.0147	0.0141	0.0134
CV5-WR-HCT-22	0.0034	0.0234	0.0224	0.0278	0.026	0.0272	0.0193	0.023	0.0171	0.0174	0.0209	0.0198	0.0155
CV5-WR-HCT-33	0.003	0.0142	0.0105	0.0111	0.0083	0.0091	0.0055	0.008	0.0055	0.0068	0.0079	0.0049	0.0042
CV5-WR-HCT-36	0.161	3.53	1.95	1.87	1.72	1.68	1.09	1.44	0.839	0.957	0.95	0.831	0.85
CV5-WR-HCT-39	0.0051	0.0898	0.0903	0.0813	0.0545	0.063	0.0563	0.0593	0.0372	0.0333	0.035	0.0293	0.0255
CV5-WR-HCT-50	0.0443	0.592	0.371	0.26	0.201	0.179	0.153	0.132	0.127	0.113	0.104	0.0867	0.074
CV5-WR-HCT-56	0.0009	0.0014	0.0012	0.0015	0.0009	0.0019	0.0009	0.0015	0.0009	0.0009	0.0009	0.0009	0.0009
CV5-WR-HCT-59	0.0023	0.0125	0.0135	0.016	0.0162	0.0209	0.0134	0.0163	0.0151	0.0161	0.0167	0.0152	0.0148
CV5-WR-HCT-62	0.059	3.14	3.86	3.5	2.89	2.94	2.24	2.7	1.75	2.46	1.95	2.01	1.97
CV5-WR-HCT-64	0.0082	0.0546	0.0315	0.0198	0.0126	0.0099	0.0077	0.0072	0.0062	0.0056	0.0057	0.0045	0.0042
CV5-WR-HCT-69	0.02	0.0572	0.0236	0.0178	0.0123	0.0157	0.0137	0.0082	0.0067	0.0062	0.0059	0.0053	0.0042
CV5-WR-HCT-74	0.0427	0.224	0.112	0.0805	0.0494	0.0489	0.0381	0.0427	0.0428	0.0366	0.0326	0.0294	0.0284
CV5-WR-HCT-76	0.0039	0.0188	0.0131	0.0096	0.0069	0.0204	0.0053	0.0054	0.0038	0.0042	0.0031	0.0031	0.0028
CV5-DMS-HCT-83	0.0083	0.0117	0.0082	0.0086	0.0062	0.0078	0.0037	0.0112	0.0035	0.0041	0.0037	0.0034	0.0029
CV5-DMS-HCT-84	0.0066	0.0099	0.006	0.0064	0.005	0.006	0.0051	0.0095	0.0029	0.003	0.0026	0.0027	0.0021

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.00009	0.00009	0.00026	0.00034	0.00009	0.00009	0.00009	0.00043	0.00009	0.00009	0.00009	0.00009	0.00009	0.00042
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00035	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00013	0.00009	0.00009	0.00009	0.00009	0.00009	0.00022	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00011	0.00009	0.00009	0.00011	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00011	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00079	0.00009	0.0001	0.00009
0.00009	0.00009	0.00014	0.00012	0.00011	0.00014	0.00025	0.00009	0.00009	0.00018	0.00019	0.00009	0.00036	0.00009
0.00009	0.00009	0.00012	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00014	0.00023
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00024	0.00014	0.00009	0.00009	0.00009	0.00009	0.00012	0.0001	0.00022	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.0001	0.00009
0.00012	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00014	0.00009	0.00009	0.00009	0.00009	0.00011	0.00009	0.00009	0.00009	0.00012	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00018	0.00009	0.00009	0.00009	0.00009	0.00009	0.00024	0.00012
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00048	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00053	0.00011	0.00009	0.0001	0.00009

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.0047	0.0037	0.0075	0.005	0.0049	0.0069	0.0047	0.0045	0.004	0.0037	0.0039	0.0053	0.0044	0.003
0.0853	0.0587	0.0903	0.0872	0.0818	0.11	0.0571	0.0663	0.0586	0.0571	0.0558	0.084	0.055	0.0407
0.0469	0.0366	0.0729	0.0555	0.0493	0.0531	0.0368	0.0502	0.0363	0.0301	0.031	0.0417	0.0286	0.0268
0.0114	0.014	0.0117	0.0129	0.0099	0.01	0.0075	0.0102	0.0075	0.0071	0.0073	0.0064	0.0073	0.0052
0.0132	0.011	0.0199	0.0181	0.0134	0.0149	0.0117	0.0109	0.0098	0.0085	0.0092	0.008	0.008	0.0062
0.0037	0.0032	0.0035	0.0035	0.0032	0.0032	0.0027	0.003	0.0024	0.0018	0.0018	0.0021	0.0034	0.0015
0.832	0.79	0.854	1.15	0.826	1.05	0.657	0.92	0.646	0.576	0.629	0.682	0.641	0.413
0.0274	0.0235	0.03	0.0229	0.0235	0.0289	0.0217	0.0252	0.0236	0.0167	0.0175	0.0215	0.0239	0.0131
0.0769	0.0703	0.0698	0.0641	0.0824	0.082	0.0721	0.0455	0.0582	0.0314	0.0286	0.043	0.031	0.0135
0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0139	0.0083	0.0165	0.0112	0.0119	0.0141	0.0076	0.0091	0.0074	0.0057	0.0063	0.006	0.007	0.0057
1.45	1.14	1.98	1.67	1.07	1.31	1.15	1.03	0.847	0.861	0.853	0.757	0.81	0.633
0.0037	0.0023	0.0019	0.0037	0.0034	0.0033	0.0034	0.0026	0.0022	0.0018	0.0021	0.002	0.0024	0.0017
0.0038	0.0036	0.0051	0.0038	0.0035	0.0034	0.003	0.0032	0.0033	0.0023	0.0025	0.002	0.0025	0.002
0.0238	0.0253	0.026	0.0242	0.022	0.0216	0.018	0.0187	0.0169	0.0136	0.0144	0.0137	0.0177	0.0119
0.003	0.0024	0.0018	0.0019	0.002	0.0025	0.0019	0.002	0.0017	0.0018	0.0015	0.0017	0.0017	0.0011
0.0029	0.002	0.0031	0.0036	0.0024	0.0038	0.002	0.0023	0.0021	0.002	0.0021	0.0025	0.0027	0
0.0022	0.0018	0.0022	0.002	0.0022	0.0009	0.0024	0.0011	0.0021	0.0022	0.002	0.0025	0.0024	0.0016

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.00015	0.00009	0.00009	0.00009	0.00013	0.00009	0.00014	0.00009	0.00009	0.00009	0.00012	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00057	0.00009	0.00009	0.00009
0.00009	0.00009	0.00023	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00021
0.00009	0.00009	0.00009	0.00009	0.00018	0.00009	0.00009	0.00009	0.00256	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.0001	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00017	0.00056	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00036	0.00009	0.00009	0.00047	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00031	0.00009	0.00009	0.00009	0.00011	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.0001	0.00009	0.00009	0.00009	0.00017	0.00009	0.00009	0.0001	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00016	0.00009	0.00014	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00067	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00018	0.0005	0.00024
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00018	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00013	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00026	0.00012	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00014
0.00009	0.00029	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.0001	0.00009	0.00009	0.00009	0.00009

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.0035	0.0029	0.0032	0.0027	0.0036	0.0043	0.0032	0.0028	0.0031	0.0034	0.0029	0.0027	0.0025	0.0024
0.0553	0.0454	0.0463	0.0246	0.0486	0.0474	0.0448	0.0443	0.045	0.0396	0.0432	0.0431	0.0437	0.0344
0.0339	0.0238	0.0263	0.0435	0.0247	0.0407	0.0242	0.0244	0.0239	0.0212	0.0254	0.025	0.0226	0.0198
0.0066	0.0039	0.0043	0.0053	0.0046	0.0059	0.0054	0.0047	0.0046	0.0041	0.0047	0.0046	0.0044	0.0032
0.0084	0.0059	0.0071	0.0081	0.0067	0.007	0.0067	0.0058	0.0057	0.0056	0.0057	0.006	0.0059	0.0041
0.0015	0.001	0.0013	0.0013	0.0014	0.001	0.0027	0.0013	0.0018	0.001	0.0012	0.0018	0.0012	0.0011
0.695	0.518	0.584	0.518	0.519	0.485	0.571	0.401	0.514	0.519	0.392	0.599	0.369	0.382
0.015	0.0122	0.0134	0.0124	0.0133	0.0115	0.0153	0.0129	0.0154	0.0118	0.0129	0.0166	0.0114	0.0106
0.0129	0.0118	0.0139	0.0163	0.0164	0.0172	0.0282	0.0155	0.0233	0.0119	0.0194	0.024	0.0192	0.015
0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0066	0.0044	0.0052	0.0051	0.0054	0.0063	0.0056	0.0052	0.0049	0.0048	0.0052	0.005	0.0064	0.0056
0.751	0.627	0.711	0.631	0.604	0.537	0.524	0.703	0.489	0.706	0.503	0.56	0.578	0.757
0.002	0.0012	0.0018	0.0019	0.0017	0.0016	0.0016	0.0015	0.0013	0.0013	0.0015	0.0019	0.0014	0.0019
0.0025	0.0013	0.0014	0.0026	0.0023	0.0018	0.0017	0.0017	0.0015	0.0015	0.0016	0.0015	0.0017	0.0011
0.0123	0.0109	0.0106	0.0105	0.0108	0.0102	0.0122	0.0113	0.0104	0.0088	0.0104	0.0108	0.0104	0.0086
0.0016	0.0009	0.001	0.0013	0.0012	0.0009	0.001	0.0012	0.0014	0.0009	0.0012	0.0011	0.001	0.0011
0.002	0.0023	0.0024	0.0016	0.0019	0.0019	0.0016	0.0016	0.0015	0.0014	0.0018	0.0036	0.0015	0.0014
0.0017	0.0015	0.0019	0.0014	0.0018	0.0015	0.0015	0.0013	0.0014	0.0013	0.0014	0.0034	0.0012	0.0011

Vanadium concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.00085	0.00066	0.00055	0.00045	0.00047	0.00039	0.00037	0.00046	0.00046	0.00045	0.00041	0.0005	0.00042
CV5-WR-HCT-5	0.001	0.00143	0.00131	0.00101	0.00112	0.00095	0.00078	0.00091	0.00085	0.00102	0.001	0.00099	0.00088
CV5-WR-HCT-5 (DUP)	0.00115	0.00114	0.00111	0.00097	0.00104	0.00094	0.00078	0.00087	0.00081	0.00082	0.00095	0.00081	0.00058
CV5-WR-HCT-14	0.00219	0.00591	0.00644	0.00582	0.00606	0.00577	0.00525	0.00526	0.00496	0.0047	0.00403	0.00443	0.0043
CV5-WR-HCT-22	0.00105	0.00193	0.00199	0.00194	0.00201	0.00171	0.00148	0.00169	0.00158	0.00178	0.00198	0.00184	0.00164
CV5-WR-HCT-33	0.00196	0.00202	0.00174	0.00159	0.00181	0.00142	0.00109	0.00127	0.00128	0.00072	0.00122	0.00126	0.00122
CV5-WR-HCT-36	0.00121	0.00213	0.00136	0.00104	0.00105	0.00086	0.00058	0.00064	0.00054	0.00052	0.00044	0.00041	0.00042
CV5-WR-HCT-39	0.00036	0.00078	0.00078	0.0006	0.00066	0.00061	0.00057	0.00063	0.00059	0.00055	0.00051	0.00054	0.00048
CV5-WR-HCT-50	0.00015	0.00042	0.00034	0.00036	0.00033	0.0003	0.00031	0.0003	0.00036	0.00043	0.00039	0.00032	0.00029
CV5-WR-HCT-56	0.00141	0.00136	0.0013	0.00104	0.00109	0.00102	0.00084	0.001	0.00087	0.00094	0.00081	0.0008	0.00074
CV5-WR-HCT-59	0.00061	0.001	0.00096	0.00087	0.00104	0.00093	0.00078	0.00085	0.00091	0.00094	0.00093	0.00093	0.00088
CV5-WR-HCT-62	0.00042	0.0009	0.00092	0.00069	0.00064	0.00055	0.00046	0.00052	0.00043	0.00047	0.00037	0.00041	0.00038
CV5-WR-HCT-64	0.00021	0.00028	0.00019	0.0001	0.00009	0.00008	0.00005	0.00005	0.00006	0.00012	0.00006	0.00005	0.00004
CV5-WR-HCT-69	0.00143	0.00089	0.00058	0.00042	0.00037	0.00031	0.00024	0.00028	0.00025	0.00026	0.00026	0.0002	0.00013
CV5-WR-HCT-74	0.00017	0.00021	0.00016	0.0001	0.00005	0.00005	0.00003	0.00004	0.00003	0.00005	0.00002	0.00002	0.00003
CV5-WR-HCT-76	0.00029	0.00042	0.00036	0.00028	0.00025	0.00016	0.00015	0.00017	0.00011	0.00014	0.00012	0.00009	0.00009
CV5-DMS-HCT-83	0.00026	0.00018	0.00008	0.00007	0.00006	0.00005	0.00002	0.00004	0.00006	0.00004	0.00004	0.00004	0.00003
CV5-DMS-HCT-84	0.00028	0.00012	0.00008	0.00007	0.00006	0.00006	0.00003	0.00004	0.00003	0.00005	0.00005	0.00004	0.00003

Zinc concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-5	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.002
CV5-WR-HCT-5 (DUP)	0.002	0.002	0.002	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-22	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-33	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-36	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-39	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
CV5-WR-HCT-50	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.004	0.003	0.004	0.002	0.005
CV5-WR-HCT-56	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-59	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.003
CV5-WR-HCT-62	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-WR-HCT-64	0.002	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.003
CV5-WR-HCT-69	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.008
CV5-WR-HCT-74	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.005
CV5-WR-HCT-76	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-DMS-HCT-83	0.002	0.014	0.007	0.004	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CV5-DMS-HCT-84	0.002	0.008	0.006	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.00039	0.00032	0.00037	0.00036	0.0004	0.00059	0.00042	0.00044	0.0004	0.00037	0.00039	0.00041	0.00044	0.0003
0.00074	0.00066	0.00076	0.00073	0.00079	0.00105	0.00073	0.00072	0.00065	0.0007	0.00061	0.00058	0.00061	0.00048
0.00058	0.00055	0.00074	0.00064	0.00066	0.00094	0.00073	0.00063	0.00055	0.00055	0.00052	0.00057	0.00051	0.00044
0.00319	0.0042	0.00381	0.004	0.00355	0.00326	0.00329	0.00345	0.00282	0.00334	0.00285	0.00299	0.00262	0.00233
0.00129	0.00128	0.00173	0.00165	0.0017	0.00197	0.00175	0.00161	0.0015	0.00136	0.00138	0.00125	0.00121	0.00111
0.00093	0.00095	0.00099	0.00086	0.00098	0.00099	0.00094	0.00084	0.00074	0.00067	0.00064	0.00066	0.00085	0.00061
0.00033	0.00033	0.00032	0.0004	0.00035	0.0004	0.00031	0.00036	0.00029	0.00024	0.00023	0.00027	0.00041	0.00016
0.00045	0.00039	0.00047	0.00044	0.00048	0.0006	0.00052	0.00049	0.0004	0.00047	0.00043	0.00045	0.00084	0.00033
0.0003	0.00032	0.00025	0.00028	0.00015	0.00018	0.00016	0.0001	0.00017	0.00011	0.00008	0.00013	0.0002	0.00004
0.00066	0.00065	0.00085	0.00066	0.00069	0.00079	0.00073	0.00062	0.00054	0.00053	0.0005	0.00052	0.00049	0.00043
0.00074	0.00064	0.00081	0.00068	0.00074	0.00075	0.00058	0.00063	0.00053	0.0005	0.00042	0.00048	0.00052	0.00039
0.00039	0.00027	0.0004	0.00036	0.00033	0.00037	0.00032	0.0003	0.00026	0.00027	0.00022	0.00025	0.00029	0.00022
0.00003	0.00003	0.00007	0.00005	0.00004	0.00005	0.00003	0.00003	0.00002	0.00002	0.00003	0.00002	0.0001	0.00001
0.00009	0.00011	0.00015	0.00015	0.00014	0.00017	0.00013	0.00011	0.00011	0.0001	0.00007	0.00009	0.00015	0.00009
0.00002	0.00003	0.00001	0.00007	0.00003	0.00007	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00011	0.00001
0.00008	0.00008	0.00008	0.0001	0.00008	0.0001	0.00008	0.00007	0.00008	0.00007	0.00006	0.00007	0.00017	0.00001
0.00003	0.00003	0.00004	0.00004	0.00002	0.00006	0.00002	0.00005	0.00003	0.00002	0.00001	0.00002	0.0001	0.00001
0.00003	0.00003	0.00002	0.00004	0.00004	0.00005	0.00003	0.00002	0.00004	0.00002	0.00001	0.00002	0.0001	0.00001

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.002
0.004	0.005	0.005	0.004	0.005	0.006	0.007	0.005	0.005	0.005	0.007	0.006	0.017	0.006
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.005	0.002	0.003
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.003	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.012	0.002
0.004	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.005	0.005	0.004	0.003	0.002	0.004	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.0003	0.00035	0.00022	0.00029	0.0003	0.00034	0.00029	0.00028	0.0003	0.0003	0.00025	0.00031	0.00028	0.00025
0.00052	0.00056	0.00053	0.00045	0.00056	0.00051	0.00045	0.00041	0.00052	0.00049	0.00039	0.00045	0.0005	0.00044
0.00044	0.00049	0.00045	0.00057	0.00042	0.00045	0.00039	0.00039	0.00042	0.00038	0.00039	0.00041	0.0004	0.0004
0.00243	0.00227	0.00228	0.00243	0.00235	0.00236	0.00236	0.00247	0.00289	0.00252	0.00235	0.00258	0.00239	0.00225
0.00111	0.00123	0.0011	0.00121	0.00115	0.0011	0.00103	0.00104	0.00114	0.00101	0.00091	0.00108	0.00114	0.00087
0.00063	0.00068	0.0006	0.00063	0.0006	0.00065	0.00058	0.00061	0.00065	0.00068	0.00051	0.00058	0.0006	0.00061
0.0002	0.00021	0.00021	0.00017	0.00018	0.0002	0.00017	0.00017	0.00018	0.00017	0.0001	0.00016	0.00014	0.00012
0.00033	0.00039	0.0003	0.00031	0.00033	0.00032	0.00026	0.00027	0.00033	0.00033	0.00024	0.00033	0.00032	0.00029
0.00003	0.00004	0.00003	0.00007	0.00004	0.00004	0.00008	0.00004	0.00007	0.00003	0.00003	0.00006	0.00007	0.00004
0.00038	0.00043	0.00044	0.00037	0.00036	0.00035	0.00031	0.00034	0.00032	0.00033	0.00027	0.00031	0.00071	0.00039
0.00038	0.00031	0.00028	0.00032	0.00032	0.00039	0.00034	0.00034	0.00038	0.00035	0.00031	0.00034	0.00062	0.00049
0.00018	0.00022	0.00018	0.00018	0.00017	0.00014	0.00013	0.00014	0.00015	0.00017	0.00012	0.00015	0.00021	0.00019
0.00002	0.00003	0.00001	0.00002	0.00002	0.00003	0.00002	0.00003	0.00004	0.00001	0.00001	0.00002	0.00003	0.00006
0.00009	0.00006	0.00005	0.00008	0.00007	0.00008	0.00007	0.00008	0.00007	0.00006	0.00007	0.00007	0.00008	0.00003
0.00003	0.00004	0.00001	0.00003	0.00001	0.00002	0.00001	0.00002	0.00002	0.00001	0.00001	0.00002	0.00001	0.00001
0.00006	0.00008	0.00005	0.00008	0.00005	0.00005	0.00004	0.00005	0.00006	0.00004	0.00002	0.00006	0.00005	0.00005
0.00002	0.00003	0.00002	0.00003	0.00003	0.00003	0.00002	0.00002	0.00003	0.00001	0.00001	0.00002	0.00002	0.00001
0.00001	0.00003	0.00002	0.00002	0.00002	0.00002	0.00001	0.00001	0.00003	0.00002	0.00001	0.00001	0.00002	0.00001

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.008	0.014	0.017	0.015	0.011	0.013	0.007	0.007	0.007	0.007	0.011	0.008	0.008	0.008
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.002	0.002	0.002	0.002	0.002	0.002
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

Chloride concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	4	7	4	3	1	1	1	1	1	1	4		
CV5-WR-HCT-5	3	3	1	1	1	1	1	1	1	1	1		
CV5-WR-HCT-5 (DUP)	2	2	3	1	1	1	1	1	1	1	1		
CV5-WR-HCT-14	22	10	3	1	1	1	1	1	1	1	1		
CV5-WR-HCT-22	2	3	3	1	1	1	1	1	1	1	1		
CV5-WR-HCT-33	2	1	1	1	1	1	1	1	1	1	1		
CV5-WR-HCT-36	1	7	1	1	1	1	1	1	1	1	1		
CV5-WR-HCT-39	2	2	1	1	1	1	1	1	1	1	1		
CV5-WR-HCT-50	8	5	1	1	1	1	1	1	1	1	1		
CV5-WR-HCT-56	3	4	2	1	1	1	1	1	1	1	1		
CV5-WR-HCT-59	1	3	1	1	1	1	1	1	1	1	1		
CV5-WR-HCT-62	7	10	5	1	1	1	1	1	1	1	1		
CV5-WR-HCT-64	10	6	2	1	1	1	1	1	1	1	1		
CV5-WR-HCT-69	22	6	1	1	1	1	1	1	1	1	1		
CV5-WR-HCT-74	44	26	2	1	1	1	1	1	1	1	1		
CV5-WR-HCT-76	27	11	1	1	1	1	1	1	1	1	1		
CV5-DMS-HCT-83	3	1	1	1	1	1	1	1	1	1	1		
CV5-DMS-HCT-84	3	1	1	1	1	1	1	1	1	1	1		

Nitrite concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-5	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-5 (DUP)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03
CV5-WR-HCT-14	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-22	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-33	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-36	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-39	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-50	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-56	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-59	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-62	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-64	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-69	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-74	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-WR-HCT-76	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-DMS-HCT-83	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
CV5-DMS-HCT-84	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		

13	14	15	16	17	18	19	20	21	22	23	24	25	26
		3	1		1		2					1	
		1	1		1		1					1	
		1	1		1		1					1	
		1	1		1		1					1	
		1	1		1		1					2	
		1	1		1		1					1	
		1	1		1		1					1	
		1	1		1		1					1	
		1	1		4		2					7	
		1	1		1		1					7	
		1	1		1		1					1	
		1	1		1		1					4	
		1	1		1		1					19	
		1	1		1		1					1	
		1	1		1		1					1	
		1	1		1		1					1	
		1	1		1		1					1	
		1	1		1		1					1	

13	14	15	16	17	18	19	20	21	22	23	24	25	26
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
0.04	0.03	0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	
		0.03	0.03		0.03		0.03					0.03	

27	28	29	30	31	32	33	34	35	36	37	38	39	40
			1					1					1
			1					1					1
			1					1					1
			1					1					1
			1					1					1
			1					1					1
			1					1					1
			1					1					1
			2					4					3
			1					1					1
			1					1					1
			1					1					1
			1					1					1
			1					1					2
			1					1					1
			1					1					1
			1					1					1
			1					1					1

27	28	29	30	31	32	33	34	35	36	37	38	39	40
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03
			0.03					0.03					0.03

Nitrate concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-5	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-5 (DUP)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06		
CV5-WR-HCT-14	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-22	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-33	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-36	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-39	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-50	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-56	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-59	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-62	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-64	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-69	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-74	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-WR-HCT-76	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-DMS-HCT-83	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
CV5-DMS-HCT-84	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		

Bromide concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-5 (DUP)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-14	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-22	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-33	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-36	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-39	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-50	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-56	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-59	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-62	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-64	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-69	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-74	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-WR-HCT-76	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-DMS-HCT-83	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
CV5-DMS-HCT-84	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		

13	14	15	16	17	18	19	20	21	22	23	24	25	26
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	
		0.06	0.06		0.06		0.06					0.06	

13	14	15	16	17	18	19	20	21	22	23	24	25	26
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	
		0.3	0.3		0.3		0.3					0.3	

27	28	29	30	31	32	33	34	35	36	37	38	39	40
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.03
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06
			0.06					0.06					0.06

27	28	29	30	31	32	33	34	35	36	37	38	39	40
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.06
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3
			0.3					0.3					0.3

Total reactive phosphorous concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-WR-HCT-5	0.03	0.05	0.16	0.11	0.14	0.12	0.09	0.11	0.13	0.08	0.08	0.06	0.06
CV5-WR-HCT-5 (DUP)	0.03	0.03	0.07	0.08	0.12	0.08	0.04	0.08	0.08	0.03	0.05	0	0
CV5-WR-HCT-14	0.03	0.03	0.05	0.04	0.07	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.03
CV5-WR-HCT-22	0.03	0.03	0.12	0.08	0.11	0.08	0.06	0.07	0.1	0.04	0.08	0.04	0.07
CV5-WR-HCT-33	0.05	0.03	0.09	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-WR-HCT-36	0.05	6.36	4.3	3.22	3.07	2.23	1.64	1.97	1.33	1.37	1.22	1.08	1
CV5-WR-HCT-39	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-WR-HCT-50	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-WR-HCT-56	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-WR-HCT-59	0.03	0.04	0.12	0.16	0.19	0.26	0.15	0.21	0.26	0.18	0.21	0.22	0.22
CV5-WR-HCT-62	0.03	1.58	2.03	1.51	1.3	1.15	0.84	1	0.76	0.96	0.73	0.89	0.78
CV5-WR-HCT-64	0.21	0.14	0.13	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-WR-HCT-69	0.21	0.1	0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-WR-HCT-74	0.34	0.68	0.44	0.2	0.12	0.08	0.06	0.06	0.08	0.04	0.04	0.03	0.04
CV5-WR-HCT-76	0.13	0.04	0.09	0.04	0.06	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.03
CV5-DMS-HCT-83	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
CV5-DMS-HCT-84	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Fluorure concentration (mg/l)

Week #	0	1	2	3	4	5	6	7	8	9	10	11	12
CV5-WR-HCT-2	0.0002	0.0004	0.0002	0.0003	0.0005	0.0005	0.0004	0.0004	0.0003	0.0002	0.0003	0.0002	0.01
CV5-WR-HCT-5	0.0006	0.0018	0.0021	0.0033	0.0028	0.0053	0.0025	0.0046	0.0021	0.0017	0.0016	0.0015	0.0081
CV5-WR-HCT-5 (DUP)	0.0009	0.0016	0.0017	0.0021	0.0023	0.0039	0.002	0.0025	0.0017	0.0012	0.0012	0.001	0.0012
CV5-WR-HCT-14	0.0003	0.0006	0.0003	0.0003	0.0006	0.0003	0.0003	0.0004	0.0003	0.0002	0.0002	0.0003	0.0002
CV5-WR-HCT-22	0.0002	0.0005	0.0005	0.0006	0.0007	0.001	0.0005	0.0008	0.0006	0.0005	0.0004	0.0006	0.0025
CV5-WR-HCT-33	0.0002	0.0002	0.0002	0.0003	0.0002	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002
CV5-WR-HCT-36	0.0021	0.188	0.118	0.0862	0.086	0.0676	0.0308	0.0494	0.0212	0.0183	0.0147	0.0123	0.0166
CV5-WR-HCT-39	0.0003	0.0009	0.0009	0.001	0.0008	0.0008	0.0007	0.0009	0.0005	0.0004	0.0004	0.0003	0.0005
CV5-WR-HCT-50	0.0087	0.0091	0.0069	0.0027	0.0021	0.0014	0.0019	0.0018	0.0018	0.0017	0.0013	0.001	0.0013
CV5-WR-HCT-56	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0002
CV5-WR-HCT-59	0.0029	0.0022	0.003	0.0039	0.0051	0.0074	0.0047	0.006	0.0055	0.0046	0.0067	0.0041	0.0063
CV5-WR-HCT-62	0.0032	0.0524	0.0833	0.0637	0.0498	0.0514	0.0276	0.0448	0.0179	0.0314	0.0239	0.0204	0.0319
CV5-WR-HCT-64	0.0005	0.0007	0.0002	0.0003	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
CV5-WR-HCT-69	0.0005	0.0004	0.0002	0.0022	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0011
CV5-WR-HCT-74	0.0002	0.0004	0.0002	0.0004	0.0002	0.0004	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0005
CV5-WR-HCT-76	0.0001	0.0002	0.0001	0.0002	0.0006	0.0002	0.0001	0.0005	0.0001	0.0001	0.0001	0.0005	0.0001
CV5-DMS-HCT-83	0.0007	0.0003	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0003	0.0001	0.0001	0.0001	0.0001
CV5-DMS-HCT-84	0.0008	0.0004	0.0002	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.06	0.06	0.08	0.08	0.06	0.12	0.07	0.04	0.05	0.07	0.05	0.05	0.08	0.09
0	0	0.06	0.06	0.06	0.06	0.04	0.03	0.03	0.03	0.04	0.04	0.05	0.03
0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.56	0.03	0.03	0.03	0.03
0.06	0.09	0.09	0.09	0.05	0.09	0.03	0.04	0.05	0.03	0.04	0.05	0.06	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.24	0.03
0.91	0.91	0.81	1.21	0.95	1.21	0.8	0.81	0.8	0.03	0.54	0.75	1.17	0.42
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.4	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.28	0.03	0.03	0.22	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.21	0.21	0.35	0.2	0.21	0.19	0.13	0.13	0.11	0.08	0.07	0.07	0.12	0.06
0.54	0.34	0.65	0.68	0.37	0.56	0.45	0.24	0.32	0.03	0.25	0.31	0.28	0.2
0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.26	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.28	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.0021	0.0002	0.0003	0.0002	0.0004	0.0003	0.0004	0.0003	0.0003	0.0002	0.0002	0.0001	0.0003	0.0003
0.0011	0.0011	0.0009	0.0011	0.001	0.0012	0.001	0.0012	0.001	0.001	0.001	0.0013	0.0013	0.0011
0.0201	0.0008	0.0006	0.0008	0.0009	0.0008	0.0007	0.001	0.0009	0.0007	0.0007	0.0009	0.0009	0.0007
0.001	0.0003	0.0002	0.0001	0.0001	0.0002	0.0003	0.0002	0.0003	0.0002	0.0002	0.0003	0.0002	0.0001
0.0014	0.0007	0.0004	0.0003	0.0003	0.0004	0.0004	0.0006	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004
0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001
0.0142	0.0113	0.0091	0.0127	0.0127	0.0152	0.0094	0.0118	0.0123	0.0092	0.0099	0.0129	0.0263	0.0081
0.0018	0.0004	0.0004	0.0003	0.0003	0.0004	0.0005	0.0003	0.0003	0.0003	0.0004	0.0001	0.0011	0.0004
0.001	0.0118	0.0011	0.0009	0.0008	0.0011	0.0019	0.0007	0.001	0.001	0.001	0.0012	0.0021	0.0008
0.0212	0.0003	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002
0.0057	0.0045	0.0024	0.0023	0.0032	0.003	0.0029	0.0032	0.0036	0.0036	0.0033	0.0059	0.0041	0.0044
0.0139	0.0084	0.0072	0.019	0.0095	0.0117	0.008	0.0092	0.011	0.008	0.0065	0.0146	0.0083	0.008
0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001
0.0015	0.0006	0.0001	0.0005	0.0001	0.0002	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001
0.0017	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0111	0.0001	0.0001	0.0001	0.0001	0.0001
0.0015	0.0011	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0001	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0002	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.08	0.05	0.04	0.03	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.03
0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.05	0.05	0.08	0.05	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.62	0.37	0.42	0.38	0.33	0.34	0.42	0.33	0.44	0.33	0.32	0.5	0.25	0.2
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.03
0.11	0.06	0.09	0.06	0.05	0.06	0.07	0.06	0.04	0.03	0.06	0.03	0.15	0.05
0.26	0.2	0.24	0.17	0.15	0.13	0.15	0.27	0.14	0.16	0.18	0.15	0.21	0.19
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.3
0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

27	28	29	30	31	32	33	34	35	36	37	38	39	40
0.0002	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0006	0.0004	0.0002	0.0004	0.0004	0.0007	0.0005
0.0013	0.0011	0.0013	0.0007	0.0012	0.0015	0.0014	0.0017	0.0015	0.001	0.0013	0.0014	0.0015	0.0012
0.0009	0.0007	0.0009	0.0012	0.0008	0.0012	0.0009	0.001	0.001	0.0007	0.0009	0.0008	0.0009	0.0008
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0003	0.0001	0.0004	0.0001	0.0003	0.0003
0.0003	0.0005	0.0005	0.0004	0.0003	0.0006	0.0003	0.0004	0.0005	0.0004	0.0005	0.0007	0.0006	0.0006
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0006	0.0002
0.0101	0.0062	0.0075	0.0075	0.007	0.0072	0.0091	0.0109	0.0134	0.0069	0.0078	0.0122	0.0067	0.0067
0.0004	0.0004	0.0005	0.0004	0.0003	0.0006	0.0003	0.0005	0.0004	0.0004	0.0005	0.0006	0.0005	0.0005
0.0009	0.0018	0.002	0.002	0.0017	0.0022	0.0014	0.0014	0.0018	0.0012	0.002	0.0019	0.0015	0.0016
0.0001	0.0001	0.0002	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002	0.0002	0.0003	0.0003	0.0004	0.0003
0.0043	0.0045	0.0043	0.0037	0.0031	0.0047	0.0051	0.0068	0.0071	0.0079	0.0082	0.0079	0.0116	0.0076
0.008	0.0076	0.0086	0.0075	0.0075	0.0104	0.0104	0.0175	0.0111	0.0085	0.0101	0.0091	0.0089	0.0065
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0003	0.0002	0.0002	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0003	0.0001	0.0001	0.0002
0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0003	0.0001	0.0001	0.0002
0.0001	0.0001	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0001	0.0001	0.0002
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	0.0002	0.0002