



RAPPORT DE TRAVAUX DE FORAGE  
PROJET AUTHIER – SAYONA MINING LTD



TRAVAUX RÉALISÉS EN SEPTEMBRE ET OCTOBRE 2016

CANTON LA MOTTE

SNRC 32D08

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## SUMMARY

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Sayona Mining Ltd (The company, Sayona) acquired 100% of the Authier project in July 2016 for CAD\$4 millions from Glen Eagle Ressources Inc. The Company's primary strategy is to focus on completing the studies required to commence the development of the project. Authier is a near-term development project and cash-flow generation opportunity.

Studies include :

- A Drilling program and a resources definition.
- Goes from inferred/indicated resources to measured resources.
- A metallurgical study at SGS Lakefield to provide new data for process engineering studies.
- Preparation of a Pre-Feasibility Study.

The Authier project is situated 45 kilometers North-West of the Val-d'Or city in Abitibi-Témiscamingue. Val-d'Or is located approximately 466 kilometers North-East of Montreal. The project is easily accessible by national route and then rural roads network deserve the sector.

The deposit is hosted in a spodumene bearing pegmatite intrusion. The deposit drilled to date is 825 meters long, striking East-West, dipping at 40 degrees to the North.

A total of 3982 meters have been drilled in 19 holes. All the diamond drill holes have intercepted spodumene mineralisation with best drilling intercepts, including :

- *Hole 09 – 38 meters at 1.10% Li<sub>2</sub>O including, 23 meters 1.35% Li<sub>2</sub>O*
- *Hole 11 – 46 meters at 1.26% Li<sub>2</sub>O including, 24 meters 1.62% Li<sub>2</sub>O*
- *Hole 12 – 47 meters 1.05% Li<sub>2</sub>O including, 24 meters 1.31 Li<sub>2</sub>O*
- *Hole 13 – 24 meters at 1.25% Li<sub>2</sub>O*
- *Hole 14 – 45 meters at 1.08% Li<sub>2</sub>O including, 18 meters at 1.34% Li<sub>2</sub>O and 18 meters at 1.34% Li<sub>2</sub>O*
- *Hole 15 – 20 meters at 1.32% Li<sub>2</sub>O*
- *Hole 16 – 28 meters at 1.2% Li<sub>2</sub>O including, 18 meters at 1.39% Li<sub>2</sub>O*
- *Hole 17 – 45 meters at 1.28% Li<sub>2</sub>O including, 23 meters at 1.77% Li<sub>2</sub>O*

The hole AL-16-016 confirms mineralization in the «gap zone». This zone was define as non-mineralise by historical drilling. Also, new shallow spodumen bearing pegmatite was discovered with the hole AL-16-010A.

Following those results, other drill holes are to be planned to confirm shallow resources and defining the depth limit of the mineralised body.

## SOMMAIRE

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Sayona Mining LTD. (La Compagnie, Sayona) a acquis 100% du projet Authier en juillet 2016 de Glen Eagle Resources Inc. pour la somme de 4 millions de dollars canadien. La stratégie de la compagnie est basée sur la possibilité de développer le projet à court terme en complétant les études requises pour l'amener éventuellement à l'étape de l'exploitation. De cette façon, le projet pourrait développer des retombées économiques autant pour les actionnaires que pour la population active du secteur.

Les travaux comprennent :

- Une campagne de forage et une évaluation des ressources minérales.
- Une étude métallurgique effectuée par SGS Lakefield Laboratory.
- La préparation d'une étude de préfaisabilité effectuée par SGS Canada Inc.

Le projet Authier est situé à 45 km au Nord-Ouest de Val-d'Or en Abitibi-Témiscamingue. La ville de Val-d'Or est située à environ 466 km au Nord-Est de Montréal. Le projet est facilement accessible par les routes nationales et le secteur est desservi par un réseau de chemins ruraux.

Le dépôt est localisé dans une intrusion pegmatitique à spodumène. Le gîte connu à ce jour est de 825 mètres de longueur avec une épaisseur variant de 4 à 55 mètres pour une épaisseur moyenne de 25 mètres. La direction de l'intrusif est Est-Ouest et pend de 40 degrés vers le Nord.

Dix-neuf (19) sondages pour un total de 3982 mètres ont été forés. Tous les sondages ont interceptés la zone typique minéralisée, les meilleures interceptions sont :

- *Sondage 09 – 38 m @ 1.10% Li<sub>2</sub>O incluant, 23 m @ 1.35% Li<sub>2</sub>O*
- *Sondage 11 – 46 m @ 1.26% Li<sub>2</sub>O incluant, 24 m @ 1.62% Li<sub>2</sub>O*
- *Sondage 12 – 47 m @ 1.05% Li<sub>2</sub>O incluant, 24 m @ 1.31 Li<sub>2</sub>O*
- *Sondage 13 – 24 m @ 1.25% Li<sub>2</sub>O*
- *Sondage 14 – 45 m @ 1.08% Li<sub>2</sub>O incluant, 18 m @ 1.34% Li<sub>2</sub>O*
- *Sondage 15 – 20 m @ 1.32% Li<sub>2</sub>O*
- *Sondage 16 – 28 m @ 1.2% Li<sub>2</sub>O incluant, 18 m @ 1.39% Li<sub>2</sub>O*
- *Sondage 17 – 45 m @ 1.28% Li<sub>2</sub>O incluant, 23 m @ 1.77% Li<sub>2</sub>O*

Le sondage AL-16-016 a intercepté une zone minéralisée dans la «gap zone». Cette zone était considérée non minéralisée par les sondages historiques. Une nouvelle intrusion minéralisée a été découverte avec le sondage AL-16-010A

Suite à ces résultats et ces découvertes, des sondages additionnels sont à prévoir pour confirmer les ressources en surface et pour déterminer la limite en profondeur du gîte minéralisé.

## I. INTRODUCTION

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Le projet Authier est localisé en Abitibi-Témiscamingue, au Québec, dans le centre géographique d'un triangle formé par les villes de Rouyn-Noranda, Amos et Val-d'Or. Il chevauche deux cantons, celui de Preissac et de La Motte. Il est bordé à l'Ouest par le lac Preissac, à l'Est par les lacs Malartic et La Motte. De moins grande superficie, le Lac Cadillac se situe au Sud du groupe de titres miniers.

Situé dans la Sous-Province de l'Abitibi, plus précisément dans un environnement géologique unique, celui du batholite Preissac-La Corne, connu pour sa métallogénie propice aux pegmatites à potentiel de lithium (Jébrak, Marcoux, 2008). L'environnement géologique est aussi reconnu pour ses coulées de laves ultramafiques (formation La Motte-Vassan), hôte du gisement de nickel-cuivre Marbridge (1962-1968).

En juillet 2016, Sayona a acquis de Glen Eagle Resources inc., le groupe de claims formant le projet Authier. Le projet est constitué de 19 claims couvrant une superficie de 695.7 hectare (3.4 km Est-Ouest et 3.1 km Nord-Sud). D'autres titres miniers ont été ajoutés par des ententes avec d'autres entreprises afin de consolider la position de Sayona dans ce secteur.

Sayona Mining LTD a mené une campagne de sondage au cours des mois de septembre et octobre 2016. Ces sondages visaient à déterminer un potentiel minéral exploitable en lithium. Le présent rapport fait état des résultats obtenus lors de ces travaux ainsi que certaines recommandations afin de jeter les bases des prochaines campagnes d'exploration pour le projet Authier.

Toutes les activités liées à la géologie et à la supervision du programme de forage étaient sous la supervision directe du Dr. Gustavo Delendatti, Géo. chargé de projet. Matthew Thomas, géo. de Sayona Mining Ltd était en charge de la description de la carotte et fut accompagné de façon sporadique par Gustavo Delendatti. La logistique et la préparation de terrain ont été effectuées par Services forestier et d'exploration GFE Inc. sous la supervision d'Olivier Lemieux et de Philippe Brien. Les travaux se sont déroulés sur une période d'environ 80 jours, sur un horaire de 5 jours de travail suivi de 2 jours de congé, entre le 1 septembre et le 20 novembre 2016.

## II. HISTORIQUE

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Au fil des années, plusieurs compagnies d'exploration ont exécuté des travaux d'exploration sur la propriété Authier. La découverte du gîte de la future mine Marbridge, au début des années 1950, suscite un engouement pour le secteur. Le projet devient alors assujéti à l'exploration et à la recherche de minéralisation de type sulfure de nickel-cuivre. C'est un peu plus tard, à la fin des années 60, que la recherche du lithium commence avec la découverte d'une intrusion de pegmatite granitique à spodumène.

De 1956 à 1965, peu de travaux d'exploration sont effectués et les données se font rares.

En 1956, des tests de potentiel de résistivité électrique ont été effectués par Kepp Scientific Inc. dans la portion centrale de la propriété Authier. En 1958, East Sullivan Mine Ltd a mené des levés de « magnétisme et de polarisation » suivi de 6 sondages situés dans le Sud-Ouest de la propriété. En 1963, Space Age Metals Corp. a complété des levés magnétiques et électromagnétiques à la recherche de sulfures dans la zone où l'intrusion principale pegmatitique affleure. On ne parle toujours pas de silicates alumineux à cette époque. En 1965, Delta Mining Corp. Ltd a effectué des levés magnétiques additionnels dans le secteur du projet.

De 1966 jusqu'à 1969, des travaux d'exploration sont effectués sous la direction et la supervision de M. George H. Dumont, ingénieur consultant. Le programme d'exploration incluait des levés magnétiques et électromagnétiques et 23 sondages au diamant pour un total de 2 611.37 mètres. Originellement conçu pour la recherche de sulfure magmatique, le programme démontre et définit l'existence d'un dyke de pegmatite à spodumène (Silicate alumineux) qui aujourd'hui abrite le gîte Authier.

En 1969, le ministère de l'Environnement et des Ressources Naturelles du Québec a exécuté une série de test de flottation sur deux échantillons de carotte issus de la campagne de 1969. Les échantillons étaient composés de demi-carottes issues des sondages AL-14 et AL-19. Les résultats ont prouvés que la concentration par flottation était susceptible de produire un concentré de spodumène commercial donnant une teneur entre 5.13% et 5.81% de  $\text{Li}_2\text{O}$  avec un taux de récupération variant entre 66.86% et 82.25%

En 1978, la Société Minière Louvem Inc. a complété deux forages au diamant sur l'extension Ouest du dyke de pegmatite. Les sondages AL-24 et AL-25 pour un total de 190.5 mètres.

En 1980, SOQUEM a complété six forages au diamant, les sondages 80-26 à 80-31, totalisant 619.96 mètres dans la portion central du dyke de pegmatite à spodumène. Au même moment, 224 échantillons de carottes provenant de forages antérieurs (1967 à 1980) ont été ré-analysés pour déterminer leur teneur en  $\text{Li}_2\text{O}$ .

En 1991, Ressources Raymor Ltd a conduit un essai métallurgique à petite échelle sur de la roche issue du dyke de pegmatite minéralisée en spodumène sur la propriété. Dix-huit (18.3) kg de matériel à 1.66%  $\text{Li}_2\text{O}$  a été analysé par le Centre de Recherche Minérale (CRM maintenant appelé COREM). Les résultats de l'analyse: un concentré à 6.3%  $\text{Li}_2\text{O}$  avec un taux récupération de 72.6%.

En 1993, Ressources Raymor Ltd a exécuté une campagne de forage additionnelle comprenant 33 sondages pour un total de 3699.66 mètres. L'objectif de cette campagne était de confirmer et de détailler le dyke de pegmatite à spodumène. Par la suite, Ressource Raymor Ltd effectua un programme de cartographie et de rainurage du dyke. Un total de 30 tonnes d'échantillons en vrac ont été extraits lors du programme qui s'est terminé en 1996. Des tests de concentration métallurgique ont par la suite été effectués par le CRM sur deux échantillons. Un échantillon de 18.049 kg avec une teneur avoisinant 1.32%  $\text{Li}_2\text{O}$  et un autre de 12.238 kg avoisinant 1.10%  $\text{Li}_2\text{O}$ . Les résultats des tests de concentration métallurgique ont donné une teneur de 5.61%  $\text{Li}_2\text{O}$  avec un taux de récupération de 60.8% et 5.16%  $\text{Li}_2\text{O}$  avec un taux de récupération de 58.3% respectivement.

En 1999, Ressources Raymor et SOQUEM effectuent une étude de préfaisabilité sur le projet Authier. Des tests métallurgiques additionnels sont alors effectués et démontrent la difficulté de générer un concentré de spodumène de qualité. L'analyse de l'étude économique de l'époque conclue que le projet n'est pas économiquement viable.

Il y aura, à partir de 1999, une diminution de l'intérêt porté à ce projet pour les années à venir. Ce n'est qu'en 2010, avec l'acquisition du projet par Glen Eagle Ressources, que les travaux d'exploration reprennent.

En 2010, Glen Eagle complète un programme de prospection, d'échantillonnage géochimique ainsi que des levés géophysique sur la totalité du projet. Ces travaux confirment plusieurs occurrences de pegmatite sur la propriété ayant la même signature que la pegmatite à spodumène d'Authier. Parallèlement, Glen Eagle exécute une campagne de forage totalisant 1905.0 mètres pour un total de 18 sondages.

De 2011 à 2012, Glen Eagle complète des programmes de forage totalisant 7085 mètres ainsi que des tests de métallurgie effectuée par SGS Lakefield Laboratory.

En 2013, Glen Eagle Ressources, en collaboration avec SGS Canada Inc., publie une étude de préfaisabilité sur la propriété. Les ressources sont alors estimées avec une teneur de coupure de 0.5%  $\text{Li}_2\text{O}$ , à 2 244 000 tonnes à 0.95%  $\text{Li}_2\text{O}$  mesuré, 5 431 000 tonnes à 0.97%  $\text{Li}_2\text{O}$  indiqué et 1 552 000 tonnes à 0.96%  $\text{Li}_2\text{O}$  inféré. L'étude recommande de continuer l'exploration afin de trouver des extensions possible au gîte.

C'est en juillet 2016 que Sayona Mining Ltd acquière 100% de la propriété Authier de Glen Eagle Ressources avec un claim sous option appartenant à RNC Minerals.

### III. LOCALISATION ET ACCÈS

Le projet Authier est situé au centre de la région administrative de l'Abitibi-Témiscamingue de part et d'autre des cantons de La Motte et de Preissac (figure 3.1). Il chevauche le territoire de deux (2) municipalités : Preissac et La Motte dans la MRC (municipalité régionale de comté) de l'Abitibi. Les trois villes centre, sont situés à environ 58 km à l'Ouest (Rouyn-Noranda), 30 km au Nord (Amos) et 42 km au Sud-Est (Val-d'Or). Les limites des titres miniers sont toutes situées à l'intérieur du feuillet SNRC 32D08 (figure 1.1).

<b>Région administrative</b>	Abitibi-Témiscamingue (08)
<b>Cantons</b>	La Motte / Preissac
<b>Fuseau</b>	17
<b>MRC</b>	Abitibi
<b>Feuillet SNRC</b>	32D08
<b>Estant</b>	E 707 300
<b>Nordant</b>	N 2 360 300

Tableau 2.1 : Localisation de la propriété Authier

Le secteur du projet est facilement accessible puisqu'il se situe dans une zone rurale habitée. Trois routes provinciales asphaltées nous permettent d'accéder au territoire en tout temps : la route 117 au sud, la route 109 pour la partie Est et la route 395 à l'extrême Ouest. À partir de ces routes, plusieurs chemins municipaux et forestiers (gravier) nous permettent d'accéder à presque tout le territoire couvert par les titres miniers. Parmi ces options, le chemin le plus facilement accessible est la jonction entre le chemin Preissac et la route 109 dans la municipalité de La Motte (voir figure 2.3). Le secteur est donc très facilement accessible par voie terrestre en toute saison.

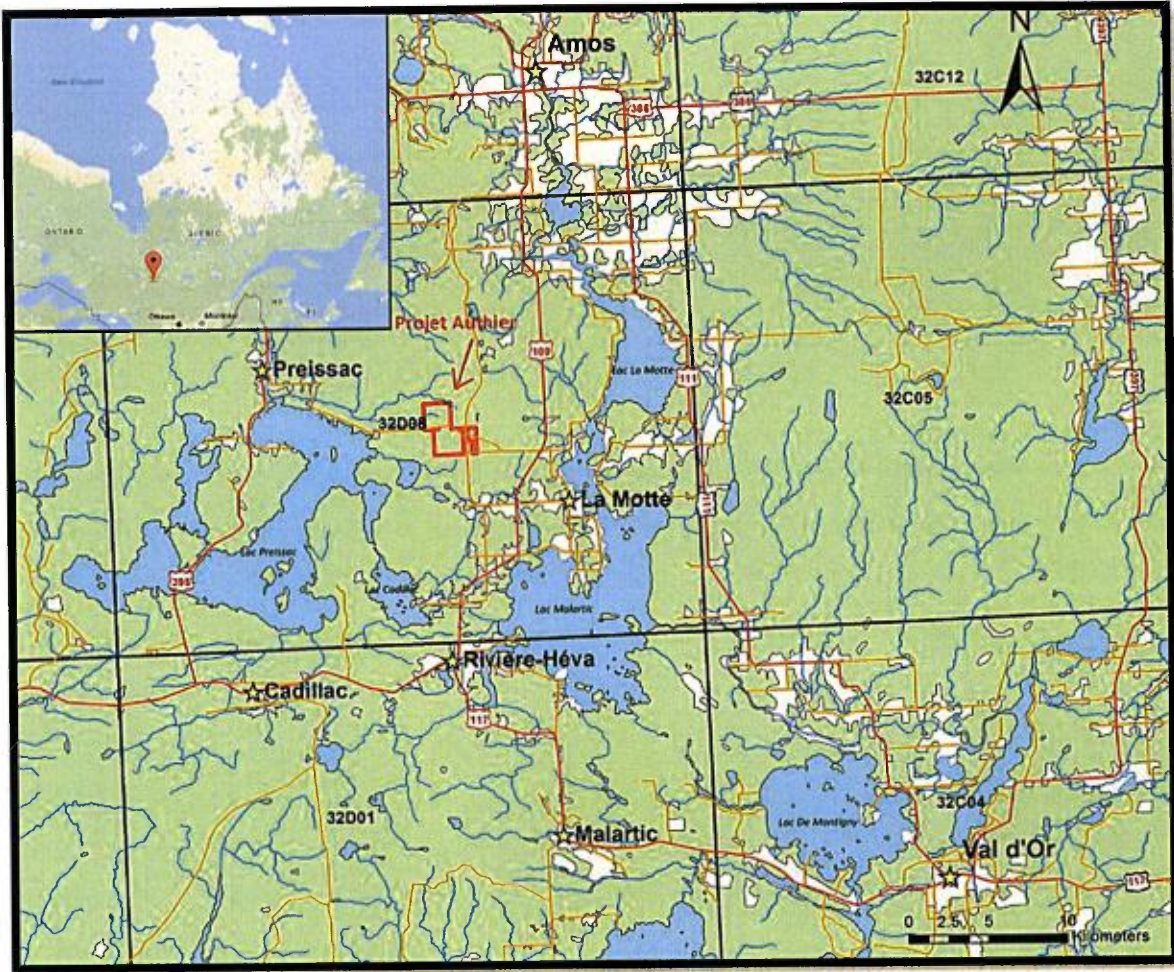


Figure 2. 1: Localisation générale du projet Authier

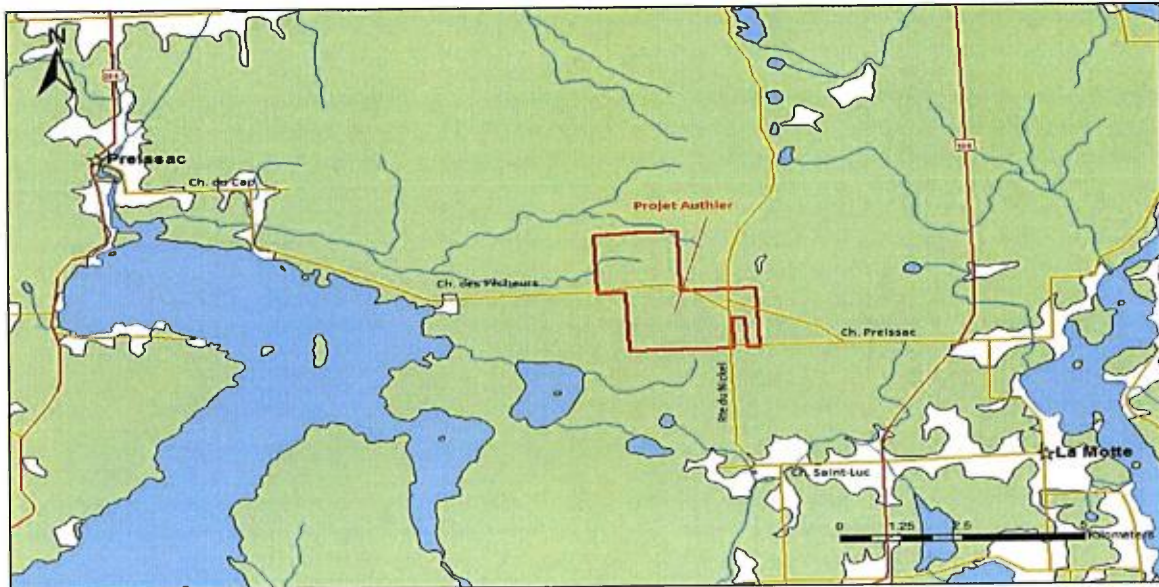


Figure 2. 2 : Carte des accès du projet Authier

#### **IV. TITRES MINIERS**

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Tel que mentionné précédemment, les titres miniers sont tous situés dans le feuillet SNRC 32D08. Un total de 19 titres miniers sont présents sur le projet Authier. Il s'agit de claims désignés sur carte (CDC). Les claims sont majoritairement de type rang/lot d'une superficie avoisinant les 43 hectares; sauf quelque uns qui ont une superficie correspondant à la moitié, soit 21 hectares. Sayona Mining Ltd possède la totalité des claims, 696 hectares (tableau 2).

Les travaux sont situés sur trois (3) titres miniers. La répartition des sondages par titres minier est la suivante :

CDC 2183455 24.3% des mètres forés

CDC 2194819 60.4% des mètres forés

CDC 2116146 15.3% des mètres forés

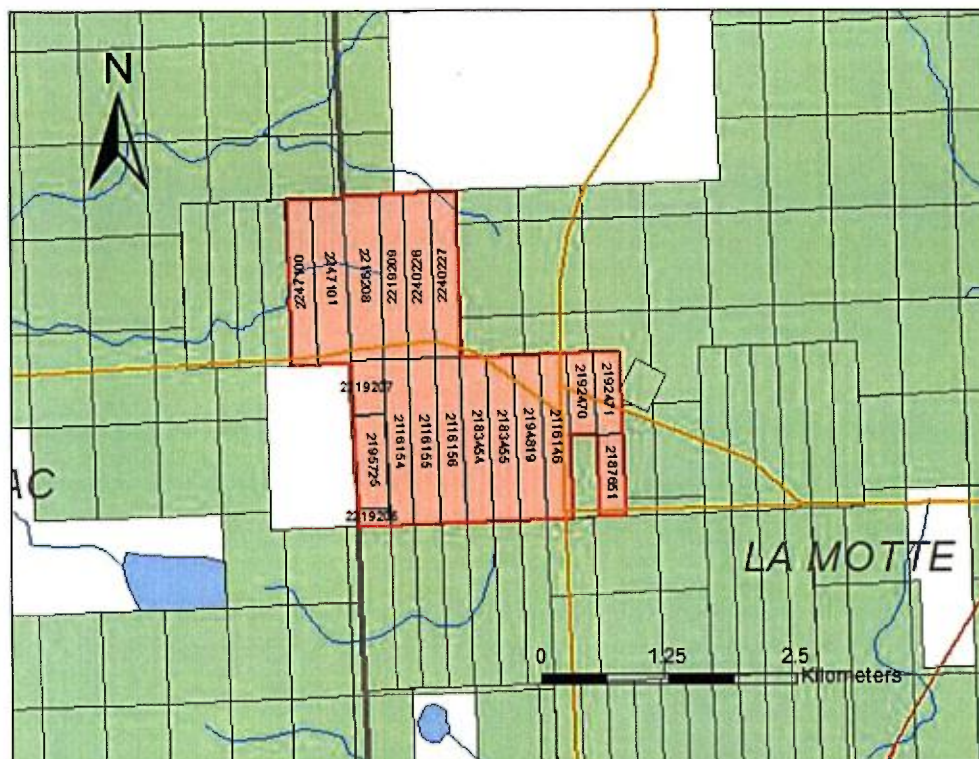


Figure 3. 1: Carte des titres miniers à l'étude.<sup>1</sup>

Type de titre	No de titre	Détenteur	Superficie (Ha)	Type de titre	No de titre	Détenteur	Superficie
CDC	2116146	Sayona	42.81	CDC	2195725	Sayona	29.03
CDC	2116154	Sayona	42.88	CDC	2219206	Sayona	5.51
CDC	2116155	Sayona	42.87	CDC	2219207	Sayona	17.06
CDC	2116156	Sayona	42.86	CDC	2219208	Sayona	55.96
CDC	2183454	Sayona	42.85	CDC	2219209	Sayona	42.71
CDC	2183455	Sayona	42.84	CDC	2240226	Sayona	42.71
CDC	2187651	Sayona	21.39	CDC	2240227	Sayona	42.71
CDC	2192470	Sayona	21.08	CDC	2247100	Sayona	42.75
CDC	2192471	Sayona	21.39	CDC	2247101	Sayona	53.47
CDC	2194819	Sayona	42.82				

Tableau 3.1 : Liste des titres miniers Projet Authier (1 décembre 2016)

<sup>1</sup> Cartes des titres miniers 1 :50 000 à l'annexe 1 de ce rapport

## V. CONTEXTE GÉOLOGIQUE

### 5.1 Géologie régionale

Le projet Authier se situe dans la sous-province de l'Abitibi, dans la partie méridionale de la province du Supérieur. Il est localisé dans la partie Sud-Est de la ceinture Archéenne de roches vertes de l'Abitibi. Le métamorphisme régional passe des schistes verts à celui des amphibolites au contact des masses intrusives syn-tardi-cinématique ou à l'approche du front de Grenville (Jolly, 1978). Deux (2) environnements plutoniques d'âge Archéen se distinguent dans cette région, le pluton de La Motte et celui de Preissac qui font partie du batholite Preissac-La Corne connu pour ses pegmatites à Li-Mo-Be (Jébrak, Marcoux, 2008). Les roches volcaniques de la région font toutes partie du Groupe de Malartic (2714 ± 2 Ma Pilote et al. 1998). Les unités sédimentaires du secteur font partie de la Formation de Caste (<2691 Ma) du Groupe de Kewagama. Le secteur à l'étude se situe au centre de deux failles régionales importantes, celle de Cadillac/Larder Lake au Sud et celle de Porcupine-Destor-Manneville au Nord.

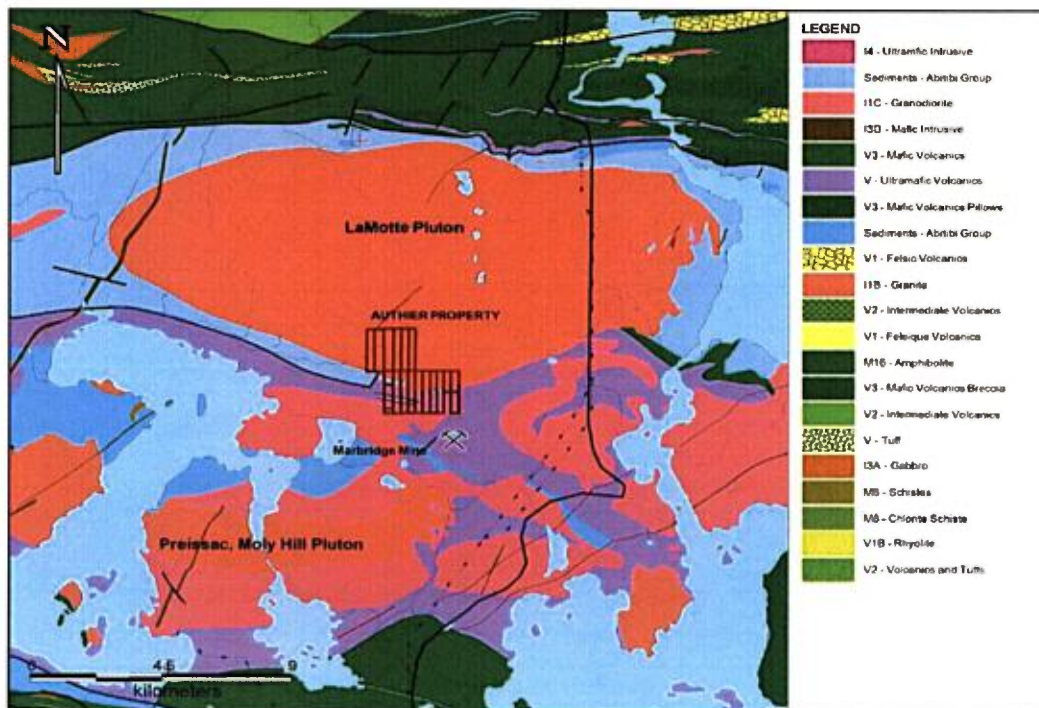


Figure 5. 1: Géologie régionale projet Authier

Source : Ni-43-101 Technical Report, SGS Canada Inc.

## 5.2 Géologie Local

Le secteur à l'étude se situe au contact des komatiites, des basaltes et des basaltes magnésien du groupe La Motte-Vassan et des roches granitiques du batholite de La Motte (2647 Ma). On retrouve entre ces deux (2) unités principales les roches sédimentaires (wacke) de la Formation de Caste ainsi qu'une intrusion granitique possiblement liée au batholite La Motte. Tous les contacts géologiques sont principalement orientés Est-Ouest sauf pour les dykes tardifs de diabase à olivine d'âge protérozoïque (1141 ± 1 Ma) qui semblent être Nord-Sud localement. La minéralisation en lithium est issue d'une intrusion de pegmatite à spodumène interprétée comme étant génétiquement liée au monzogranite peralumineux tardif du pluton de La Motte.

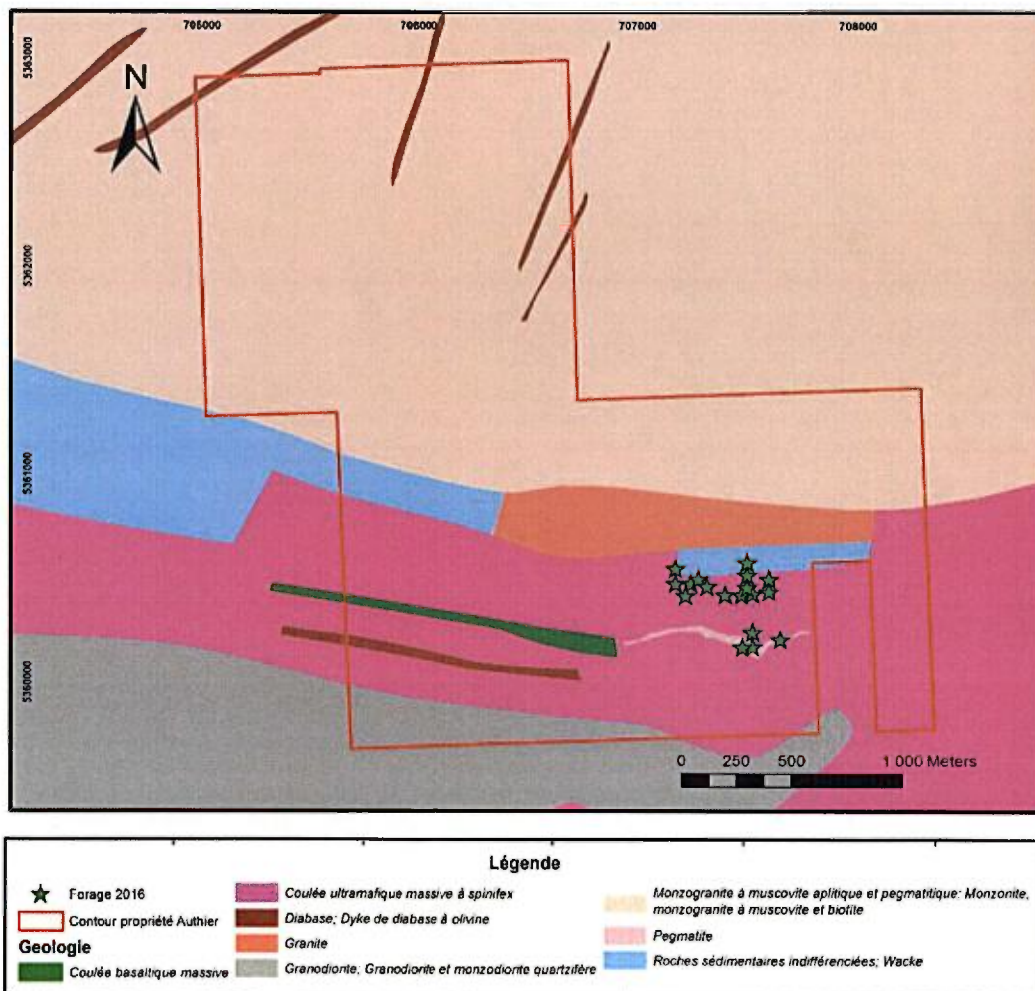


Figure 5. 2: Géologie locale du projet Authier

(Données numériques courtoisie de RNC Minerals)

### 5.3 Minéralisation

Le dépôt est localisé dans une intrusion pegmatitique à spodumène. Le gîte connu à ce jour est de 825 mètres en longueur avec une épaisseur moyenne de 25 mètres, variant de 4 à 55 mètres. La direction de l'intrusif est Est-Ouest et pend de 40 degré vers le Nord. Les observations récentes suggèrent que la pegmatite principale est un seul dyke composé de deux phases intrusives. La zone de transition qui se situe au contact avec la roche hôte et la zone de pegmatite principale caractérisée par sa forte minéralisation de spodumène.

#### Intrusion principale pegmatitique :

Cette zone est caractérisée par sa forte minéralisation en spodumène ( $\text{LiAlSi}_2\text{O}_6$ ) et sa couleur blanche due aux feldspaths. Les cristaux de spodumène sont généralement à l'échelle centimétrique, mais peuvent être aussi retrouvés à grain fin dans les zones aplatiques. La pegmatite peut présenter une altération en chlorite, en biotite et aussi en tourmaline par endroit. Les principaux minéraux identifiés dans la zone sont : le spodumène, quartz, feldspath (albite principalement), muscovite, biotite, tourmaline ainsi que des pyroxènes.



*Figure 5. 3: Pegmatite à spodumène, sondage AL-16-017*

### Pegmatite transitoire :

La pegmatite transitoire est un mélange de minéraux entre la roche encaissante et l'intrusion pegmatitique à spodumène. Il s'agit de la zone aux épontes de la zone minéralisée. Les minéraux généralement présent sont: quartz, feldspath, muscovite biotite et magnétite. La couleur de la zone est blanc-gris à noir et la grosseur du grain est variable.

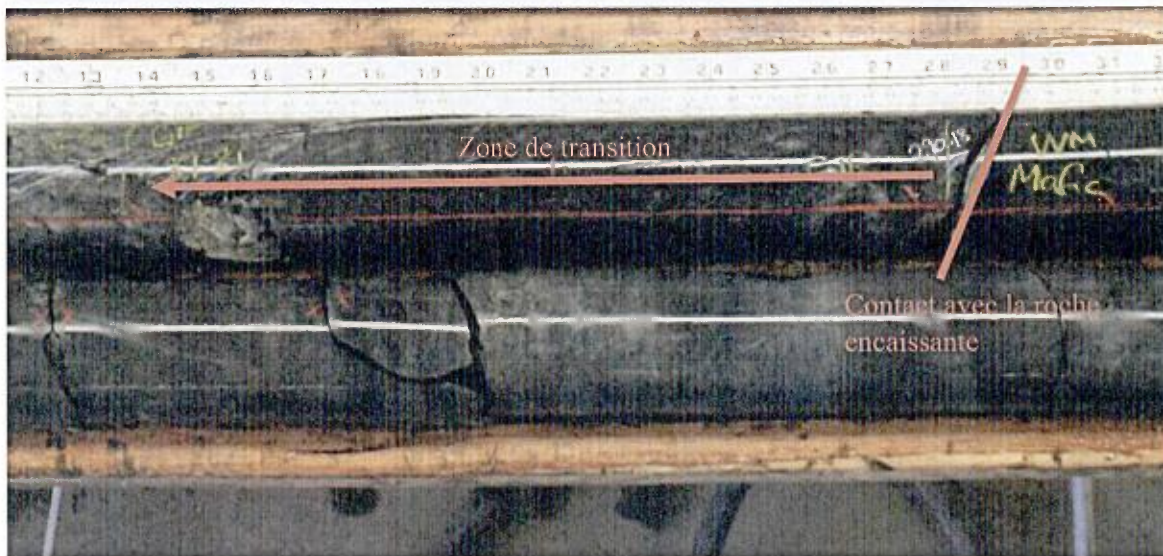


Figure 5. 4: Contact pegmatite et roche encaissante, sondage AL-16-010A

## **VI. CAMPAGNE DE FORAGE**

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Les sondages ont débutés le 6 septembre 2016 et se sont terminés le 26 octobre 2016. Dix-neuf sondages orientés de grosseur HQ ont été complétés pour un total de 3982.0 m (Tableau 6.1). Un sondage prévu n'a pas été terminé : AL-16-10 a été abandonné à 15 m dans le roc en raison d'un bris du tubage, un autre forage a été recommencé au même endroit, l'AL-16-10A. La préparation de tous les sites de forage a été préalablement assurée par Services GFE. Le journal détaillé des sondages est inséré en annexe III de ce rapport.

### **6.1 Logistique**

Sayona Mining Limited a retenu les services de Forage M. Rouillier d'Amos comme entrepreneur en forage au diamant. Deux foreuses de type Muskeg ont été utilisées. Ces foreuses sur chenille ont l'avantage de se déplacer par elle-même et ne nécessitent donc pas un tracteur pour les déplacer, ce qui minimise l'impact sur l'environnement. Il s'agissait de forages orientés, la grosseur des tubages utilisés étaient de type HQ (63.5mm). Tous les tubages ont été laissés en place, sauf pour le sondage AL-16-010 qui a subi un bris lors du forage. Le matériel suivant n'a donc pas pu être récupéré : le taillant, Head assy, inner tube 10', outer tube ord. 10', reaming shell 6 pouce.

Le programme de forage était sous la supervision directe du Dr. Gustavo Delendatti (géologue senior) consultant indépendant à l'emploi de Sayona Mining Ltd. Mr Matthew Thomas, géo. de Sayona Mining Ltd était en charge de la description de la carotte et fut accompagné de façon sporadique par Gustavo Delendatti. Les services techniques ont été assurés par Services forestiers et d'exploration GFE Inc., de La Motte. M. Olivier Lemieux (tech. Forestier) et M. Philippe Brien (tech. Géologie) étaient les responsables de la supervision et de l'exécution de ceux-ci. Les installations pour la description et le traitement de carottes (carothèque) étaient situées à même les installations de Services GFE à La Motte. L'entreposage des carottes s'est fait au même endroit.

Tous les échantillons de carottes qui ont fait l'objet d'analyses ont été envoyés à SGS Lakefield Laboratory, Ontario. Les certificats de laboratoire sont inclus à l'annexe II du présent rapport.

Forage planifié	No de trou	Status	Cible	Coord. UTM NAD 83 Zone 17		Élévation	Azimuth	Inclinaison	Longueur (m)	Date début	Date fin
				Est	Nord						
PL001	AL-16-001	Terminer	PL001	707525	5360175	328.80	180.00	-45.00	87.00	06-09-2016	09-09-2016
PL002	AL-16-002	Terminer	PL002	707525	5360245	331.00	180.00	-45.00	111.00	11-09-2016	13-09-2016
PL028	AL-16-003	Terminer	PL028	707600	5360500	331.00	180.00	-55.00	267.00	12-09-2016	20-09-2016
PL004	AL-16-004	Terminer	PL004	707525	5360430	333.39	180.00	-55.00	246.00	13-09-2016	19-09-2016
PL029	AL-16-005	Terminer	PL029	707500	5360520	334.84	180.00	-55.00	294.00	19-09-2016	25-09-2016
PL005	AL-16-006	Terminer	PL005	707650	5360210	330.01	180.00	-45.00	105.00	21-09-2016	23-09-2016
PL035	AL-16-007	Terminer	PL035	707479	5360174	330.00	180.00	-45.00	88.00	25-09-2016	27-09-2016
PL008	AL-16-008	Terminer	PL008	707475	5360425	333.00	180.00	-60.00	231.00	26-09-2016	29-09-2016
PL040	AL-16-009	Terminer	PL040	707245	5360478	330.00	180.00	-60.00	249.00	27-09-2016	04-10-2016
PL039	AL-16-010	Interrompu	PL039	707500	5360580	338.45	180.00	-55.00	15.00	29-09-2016	30-10-2016
PL039	AL-16-010A	Terminer	PL039	707500	5360578	338.45	180.00	-55.00	339.00	02-10-2016	06-10-2016
PL019	AL-16-011	Terminer	PL019	707220	5360420	330.00	180.00	-65.00	204.00	04-10-2016	07-10-2016
PL038	AL-16-012	Terminer	PL038	707500	5360460	332.93	180.00	-55.00	240.00	06-10-2016	12-10-2016
PL043	AL-16-013	Terminer	PL043	707175	5360478	330.00	180.00	-60.00	234.00	10-10-2016	14-10-2016
PL046	AL-16-014	Terminer	PL046	707600	5360440	330.00	180.00	-55.00	237.00	12-10-2016	14-10-2016
PL030	AL-16-015	Terminer	PL030	707175	5360550	330.00	180.00	-60.00	279.00	14-10-2016	19-10-2016
PL044	AL-16-016	Terminer	PL044	707400	5360425	331.47	180.00	-60.00	252.00	15-10-2016	18-10-2016
PL041	AL-16-017	Terminer	PL041	707280	5360500	330.00	180.00	-60.00	240.00	19-10-2016	23-10-2016
PL021	AL-16-018	Terminer	PL021	707318	5360465	330.00	170.00	-55.00	264.00	20-10-2016	26-10-2016

Tableau 6.1 : Tableau sommaire des forages sur la propriété Authier

## 6.2 Méthodologie et instrumentation

### 6.2.1 Orientation tridimensionnelle

La campagne de forage du projet Authier était de type forage orienté. L'instrument utilisé pour l'orientation du carottage était le Reflex Act III. L'opération relative à l'orientation à ce stade se fait en deux étapes, la calibration de l'appareil avec le carottier avant d'être inséré dans le sondage et l'orientation du carottier lorsqu'il est complété et retiré du sondage. Cette opération était effectuée à même la foreuse par les foreurs. Une vérification des méthodes se faisait quotidiennement avec le technicien et une orientation finale s'effectue à la carothèque ultérieurement. Le but de cette étape est d'obtenir une orientation tridimensionnelle du sondage pour la collecte de données géotechniques ultérieures.

Des tests de déviations ont été effectués à tous cinquante (50) mètres dans chaque trou. Un premier test était effectué, de préférence, à l'intérieur des premiers trente (30) mètres. Des tests à prise multiple « Multi-Shot » ont aussi été exécutés sur certains trous. L'instrument utilisé pour la mesure de déviation était le Reflex Ez-trac. Les résultats des mesures se trouvent à l'annexe IV du présent rapport.

### 6.2.2 Traitement du carottage

Les procédures de contrôle des échantillons des carottes de forage débutent dès qu'un tube carottier a été complété et que les tiges sont retirées du sondage. Le carottage est retiré du tube carottier, orienté et placé dans des boîtes de carottes. La capacité de chaque boîte de calibre HQ (63.5 mm) est de 3 mètres. Des blocs de bois indiquent la longueur forée en mètre à la fin de chaque tube carottier de 3 mètres. Sur chaque boîte de carottes remplie, le numéro du sondage et le numéro séquentiel de la boîte sont indiqués par l'aide foreur et vérifiés par le technicien et le géologue. Lorsque la boîte est remplie, on pose un couvercle sur la boîte pour protéger les carottes. Le déplacement vers la carothèque de Services GFE à La Motte s'effectue par véhicule tout-terrain et par camion à la fin de chaque quart de travail de 12 heures.

Lorsque les boîtes de carottes arrivent à la carothèque de La Motte, elles sont étendues en ordre et les couvercles sont retirés. Le technicien procède alors à l'étape de vérification du métrage en mesurant le début et la fin de chaque boîte. Ainsi, la continuité du métrage est confirmée. La diagraphie rapide, dite « quick-log », est

simultanément effectuée, pour aider à prendre des décisions pour la continuation du sondage ou de son arrêt.

### 6.2.3 Orientation finale du carottage

Le carottage est ensuite soumis à l'étape finale d'orientation par le technicien. C'est la vérification, l'ajustement si nécessaire et la qualification de l'orientation. À l'aide d'un fer angle de 6.3 mètres, chaque section de carotte provenant d'un tubage de trois (3) mètres est mis bout à bout en prenant soin de respecter les lignes d'orientation appliquées sur les carottes par le foreur et son aide foreur. La correspondance des fractures, de la lithologie et de la cohésion entre deux morceaux de carotte sont les principaux facteurs d'assemblage. Le technicien trace alors la ligne d'orientation en tolérant une différence maximale de 10 degrés entre deux lignes. À cette étape, il y a qualification d'une orientation de haute confiance, de basse confiance ou de confiance nulle selon le nombre de lignes d'orientations qui coïncident<sup>2</sup> et de leur degré de compatibilité.

### 6.2.4 Description du carottage

Les carottes sont ensuite étendues sur la table d'examen et lavées pour éliminer toute trace de graisse ou de saleté qui pourrait avoir pénétrée dans la boîte. La collecte sommaire de données géotechniques est effectuée à cette étape. Le taux de récupération et l'indice de la qualité de la roche RQD (Rock Quality Designation) sont des données collectées à cette étape. De façon générale, le taux de récupération du carottage dans les sondages au diamant sur le projet Authier est supérieur à 99%.

La description des carottes se fait en deux étapes; la description géologique qui consiste à noter la lithologie, l'altération, la texture, la couleur, la minéralisation, les intervalles d'échantillonnage et la description structurale qui consiste à noter le pendage du litage, des plis et des failles, les angles alpha et beta de même que la linéation et l'angle des fractures. Une description géotechnique complète est effectuée à cette étape. Le morceau de carotte est par la suite soumis au test de compression de type « point load » sur son axe transversal à tous les dix (10) mètres environ et une section de carotte choisie d'environ 25 cm envoyé à SGS Lakefield ultérieurement pour un test de compression uniaxiale (UCT). Deux zones ont été choisies pour les tests de

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<sup>2</sup> Voir annexe 6 : Sayona Mining Ltd, Diamond core procedure, EXP-FLD-PRO-008, pages 8-9. Orientation procedure.

compression uni-axiale, la zone typique de pegmatite à spodumène et la roche volcanique mafique aux épontes.

Toutes les données géotechniques et géologiques ainsi que les données d'échantillonnage sont entrées directement dans une base de données numérique à l'aide du logiciel Excel. Chaque échantillon envoyé pour un test UCT à SGS Lakefield Laboratory est remplacé par un morceau de bois identifié du nom du forage, du métrage récupéré et du type de test (UCT).

La zone principale minéralisée (pegmatite à spodumène) et ses épontes ont été décrits, échantillonnés et analysés. L'éponte mentionnée représente trois (3) à six (6) mètres de stérile en contact avec l'intrusion minéralisée. La roche encaissante a été décrite brièvement «quicklog» sur sa quasi-totalité.

Toutes les activités liées à la géologie et à la supervision du programme de forage étaient sous la supervision directe du Dr. Gustavo Delendatti, Géo., chargé de projet. Matthew Thomas, géo. de Sayona Mining Ltd était en charge de la description de la carotte et fut accompagné de façon sporadique par Gustavo Delendatti.

### **6.3 Méthode d'échantillonnage**

Lors de la description des carottes, le géologue définit les limites des échantillons. Dans la présente campagne, les échantillons ont été systématiquement prélevés au mètre basé sur la lithologie et la minéralisation présente. Le géologue s'assure, par la suite, de l'axe selon lequel la carotte doit être coupée, en portant une attention particulière aux zones minéralisées afin de s'assurer que les demi-carottes soient représentatives.

Les intervalles contenant les caractéristiques suivantes étaient considérés pour échantillonnage lors de la campagne de forage d'exploration : les silicates alumineux (spodumène principalement) recherchés et les contacts lithologiques entre la pegmatite minéralisée et la roche encaissante, principalement de la roche volcanique mafique. Les échantillons sont identifiés en insérant deux étiquettes identiques préfabriquées, numérotées séquentiellement et résistantes à l'eau à la fin de chaque intervalle d'échantillonnage. Les étiquettes étaient fournies par SGS Lakefield Laboratory.

Lorsque le carottage a été décrit, photographié et les échantillons marqués, les boîtes de carottes sont transférées à la salle de coupe mobile pour échantillonnage. Les sections marquées sont sciées en deux à l'aide d'une scie à diamant. Lorsque la carotte a été sciée en deux, une moitié est placée dans un sac d'échantillons en plastique et l'autre moitié est replacée dans la boîte de carotte originale. Le technicien affecté au sciage des carottes vérifie que l'intervalle marqué sur l'étiquette d'échantillon correspond bien aux indications sur la carotte et que l'étiquette correspond au numéro d'échantillon indiqué sur le sac. Les boîtes originales de demi-carottes sont empilées et entreposés sur le site.

Après avoir placé l'échantillon dans un sac de plastique, le sac est refermé à l'aide d'une attache autobloquante de type « tie-wrap » et les sacs d'échantillons sont placés dans de gros sacs en Fabrene. De façon générale, 5 sacs d'échantillons sont placés dans chaque sac en Fabrene puis ce sac est attaché à l'aide d'une attache autobloquante. Les sacs d'échantillons en Fabrene sont entreposés à l'abri à la carothèque de La Motte jusqu'à ce qu'ils soient expédiés à SGS Lakefield, Ontario par lots variant de 100 à 400 échantillons.

Les échantillons de forage, ainsi que les échantillons de contrôle (duplicata, matériel de référence certifié, blanc), sont ensuite expédiés aux installations de préparation et d'analyse de SGS Lakefield en Ontario. Le laboratoire est accrédité ISO/IEC 17025 par le Conseil canadien des normes

## 6.4 Contrôle de qualité

Sayona Mining Ltd implante des procédures de contrôle et d'analyse de qualité (QA-QC) aux échantillons envoyés à l'analyse.

Des blancs, des standards hauts (environ 3% Li) et des standards bas (environ 1% Li) sont insérés dans le flux d'échantillons à intervalle irrégulier selon la quantité d'échantillons par lot envoyés au laboratoire. Ainsi, un échantillon de contrôle est inséré généralement à chaque 15 à 25 échantillons.

Les échantillons sont soumis à l'analyse par fusion au peroxyde par SGS Lakefield Laboratory. Au total 29 éléments sont analysés :

Elements and Limit(s)					
Al	0.01 – 25 %	K	0.1 – 25 %	Sc	0.0005 – 5 %
As	0.003 – 10 %	La	0.001 – 5 %	Si	0.1 – 30 %
Ba	0.001 – 5 %	Li	0.001 – 5 %	Sn	0.005 – 5 %
Be	0.0005 – 2.5 %	Mg	0.01 – 25 %	Sr	0.001 – 0.5 %
Ca	0.01 – 25 %	Mn	0.001 – 10 %	Ti	0.01 – 25 %
Cd	0.001 – 5 %	Mo	0.001 – 5 %	V	0.001 – 5 %
Co	0.001 – 5 %	Ni	0.001 – 10 %	W	0.005 – 4 %
Cr	0.001 – 5 %	P	0.01 – 25 %	Y	0.0005 – 2.5 %
Cu	0.001 – 5 %	Pb	0.002 – 10 %	Zn	0.001 – 5 %
Fe	0.01 – 25 %	Sb	0.005 – 10 %		

Tableau 6.2 : Éléments à l'analyse et leur limite d'analyse

## VII. ENVIRONNEMENT

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Le respect des normes environnementales est l'un des critères suivi de près par Services GFE Inc. Lors de la campagne, les sites de forages faisaient l'objet d'inspections et de suivis quotidiens par un technicien qualifié. Une inspection plus détaillée est exécutée après chaque forage et un rapport sommaire a été produit (voir annexe V de ce rapport).

## VIII. RÉSULTAT DE LA CAMPAGNE DE FORAGE

Les résultats de la campagne ont confirmés l'existence du corps minéralisé sur le projet Authier et augmenté le niveau de confiance associé à sa géométrie et donc à ses ressources. Tous les sondages effectués dans le cadre de cette phase d'exploration ont frappé l'intrusif de pegmatite à spodumène.

Les sondages AL-16-001, 002, 006, 007 ont confirmé la géométrie du corps minéralisé à faible profondeur augmentant ainsi la confiance des ressources.

Les sondages AL-16-003, 004, 005, 008, 010A et 014 ont confirmé la présence du corps minéralisé en profondeur verticale au-delà de 200 mètres dans la section Est.

Les sondages AL-16-09, 011, 013, 015, 017 et 018 ont confirmé la présence d'un corps minéralisé au-delà de 200 mètres de profondeur dans la section Ouest.

Le sondage AL-16-010A a intercepté une intrusion de pegmatite minéralisé non connue à ce jour entre 15 et 22 mètres de profondeur.

Le sondage AL-16-016 a intercepté une zone de pegmatite minéralisé dans ce qui était nommé la « gap zone ». Cette zone avait été préalablement interprétée comme étant dépourvue de minéralisation.

Table 1 – Drill hole collar location and intercept information (downhole intersections in metres)										
Drill Hole	East	North	RL	Azimuth	Dip	Depth	From (m)	To (m)	Thickness (m)	Grade (%Li <sub>2</sub> O)
AL-16-001	707525	5360175	330	180	-45	87	12	74	62	1.35
including							27	43	16	1.65
AL-16-002	707525	5360245	330	180	-45	111	50	99	49	1.18
including							81	98	17	1.49
AL-16-003	707600	5360500	331	180	-55	267	170	197	27	1.46
including							181	192	11	1.66
							213	223	10	1.24
including							218	221	3	1.63
AL-16-004	707525	5360430	331	180	-55	246	156	206	50	1.13
including							157	168	11	1.4
							200	205	5	1.89
AL-16-005	707500	5360520	332	180	-55	294	197	202	5	1.44
							218	243	25	1.08
including							218	232	14	1.18
AL-16-006	707650	5360210	330	180	-45	105	16	60	44	1.02

Drill Hole	East	North	RL	Azimuth	Dip	Depth	From (m)	To (m)	Thickness (m)	Grade (%Li2O)
including							16	35	19	1.45
AL-16-007	707479	5360174	330	180	-45	90	3.81	44	40.19	1.27
including							13	33	20	1.47
AL-16-008	707475	5360425	330	180	-60	234	162	198	36	0.93
including							163	173	10	1.32
AL-16-009	707245	5360478	330	180	-60	249	192	230	38	1.1
including							192	215	23	1.35
AL-16-010	707500	5360580	330	180	-55	330	15	22	7	1.36
including							17	19	2	2.24
							236	241	5	1.36
							258	266	8	0.85
including							264	266	2	1.42
AL-16-011	707220	5360420	330	180	-65	204	135	181	46	1.26
including							137	161	24	1.62
AL-16-012	707500	5360460	331	180	-55	240	161	208	47	1.05
including							167	194	27	1.31
AL-16-013	707175	5360478	331	180	-60	234	184	208	24	1.25
							216	224	8	0.91
AL-16-014	707600	5360440	331	180	-55	241	148	193	45	1.08
including							149	157	8	1.36
							171	189	18	1.34
							203	207	4	1.65
AL-16-015	707175	5360550	330	180	-60	279	242	262	20	1.32
including							248	259	11	1.61
AL-16-016	707400	5360425	331.47	180	-60	252	158	186	28	1.2
including							162	180	18	1.39
AL-16-017	707280	5360500	330	180	-60	240	190	235	45	1.28
including							190	213	23	1.77
AL-16-018	707318	5360465	330	170	-55	264	197	201	4	0.99
							206	213	7	0.95
							218	228	10	1.2
including							219	225	6	1.48

Tableau 8.1 : Résultats des sondages sur le projet Authier

Source : communiquée de presse du 17 nov. 2016, Sayona Mining

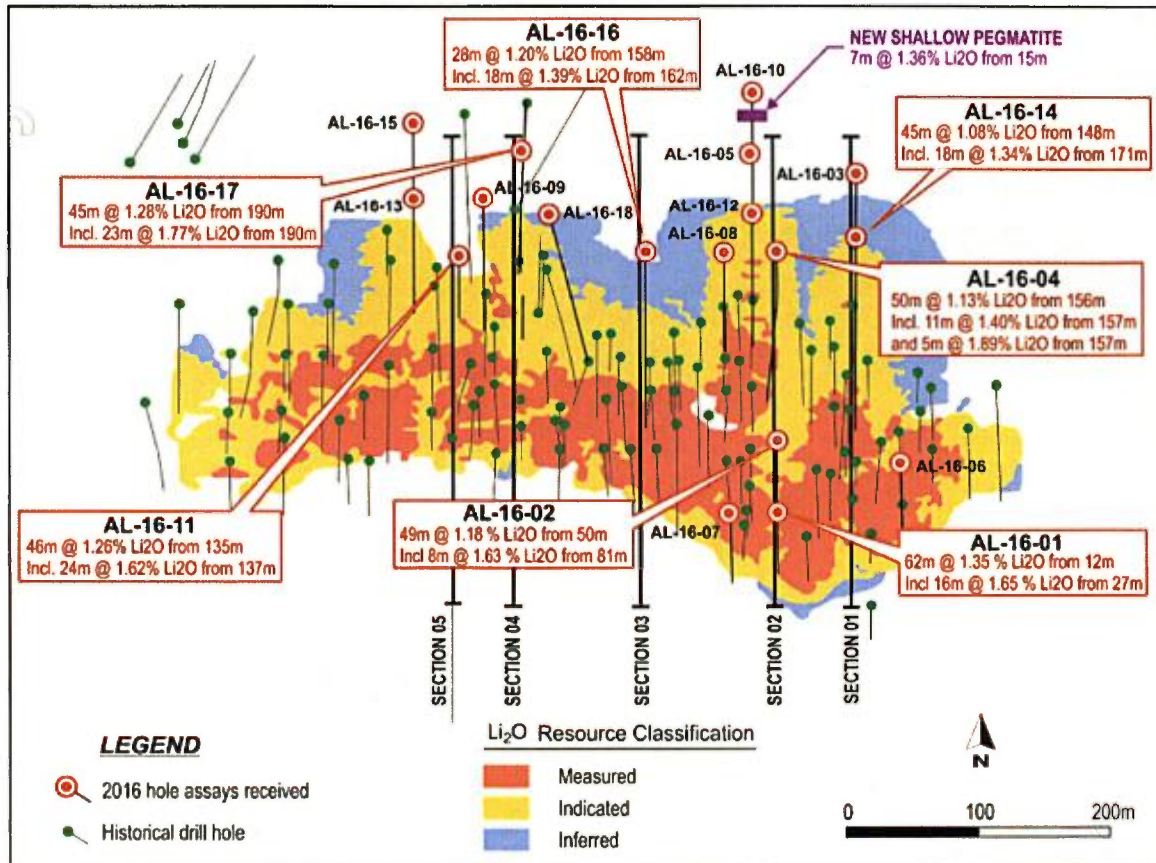


Figure 8. 1: Vue en plan des collets des forages et du corps minéralisé du projet Authier

Source : Communiqué de presse du 23 nov. 2016, Sayona Mining Ltd

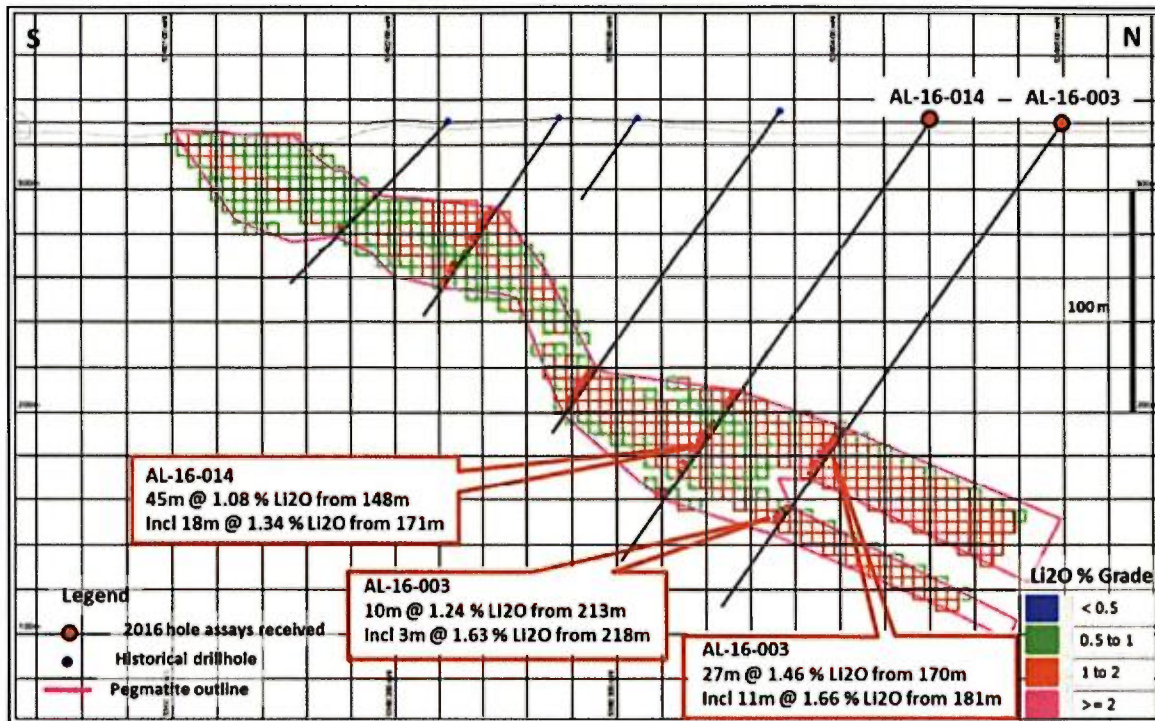


Figure 8. 2: Section 1, regard vers l'ouest

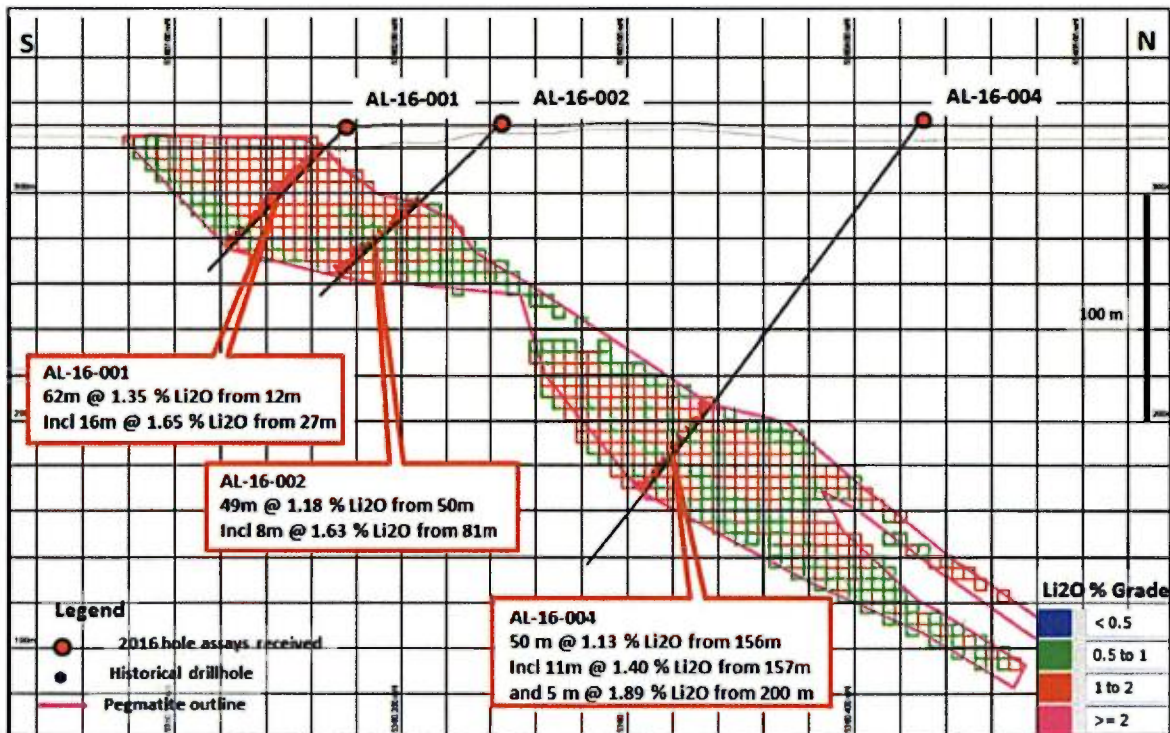


Figure 8. 3: Section 2, regard vers l'ouest

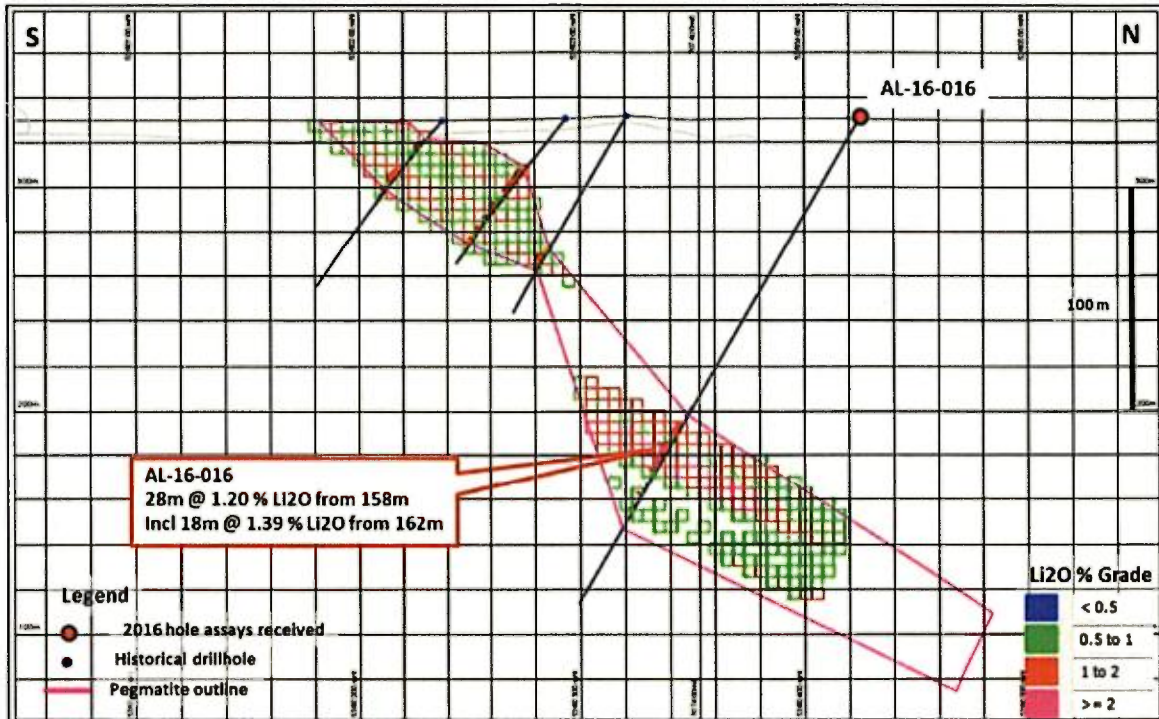


Figure 8. 4: Section 3, regard vers l'ouest

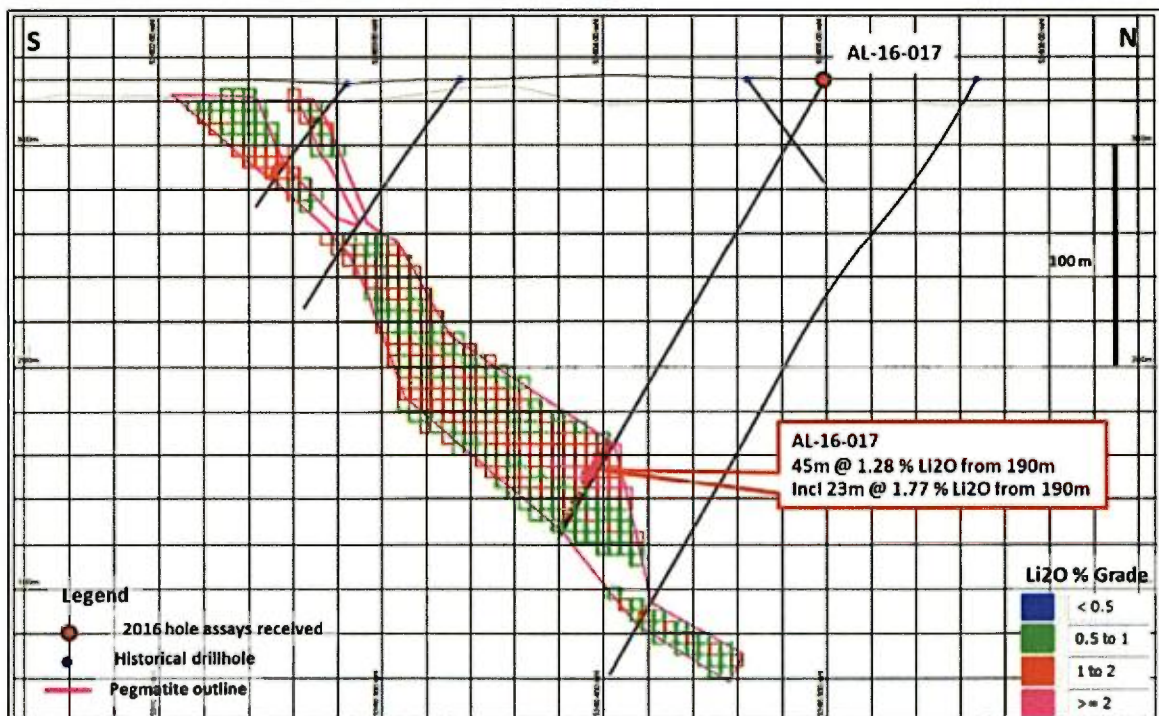


Figure 8. 5: Section 4, regard vers l'ouest

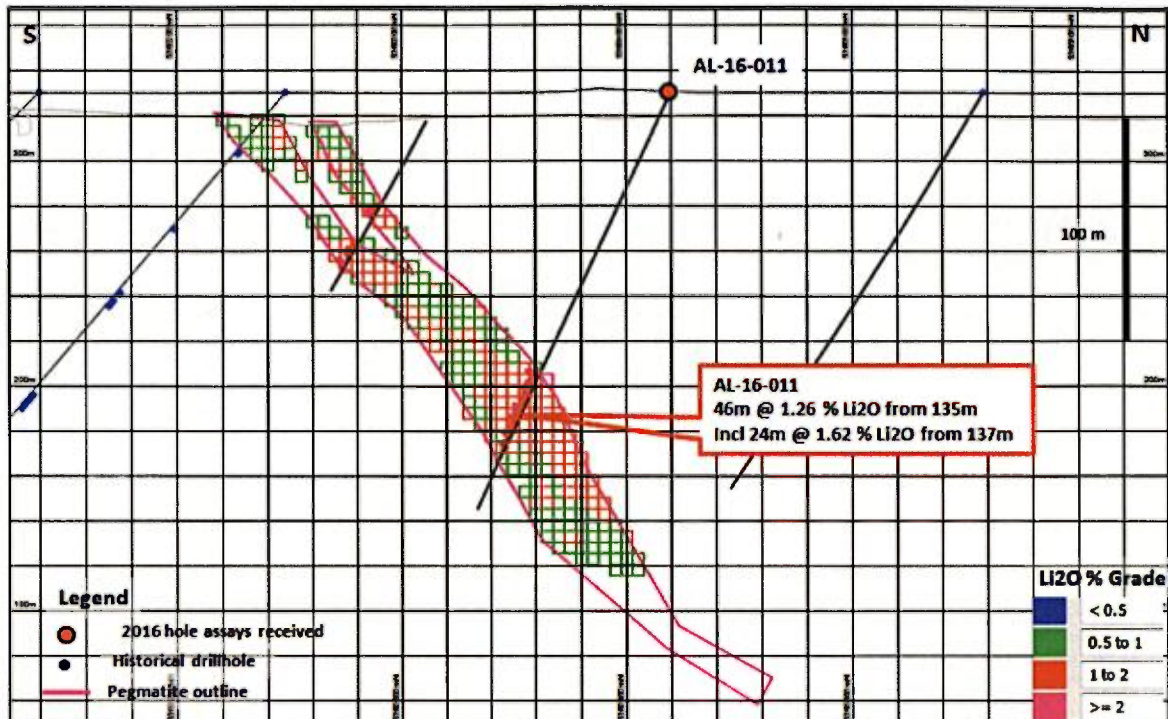


Figure 8. 6: Section 5, regard vers l'ouest

Selon Dr. Gustavo Delentatti Géo., le corps minéralisé défini à ce jour reste ouvert en profondeur ainsi qu'à l'Est et à l'Ouest.

Les sections ci-dessus sont issues des communiqués de presse émis par Sayona Mining Ltd en novembre 2016 et sont disponibles sur leur site internet.

Les journaux de sondage sont à l'annexe III de ce document et les certificats d'analyse à l'annexe II.

## IX. CONCLUSION ET RECOMMANDATIONS

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Les sondages confirment le corps minéralisé à faible profondeur et augmente la confiance rattachée aux résultats de ceux-ci en raison de la proximité des sondages compilés jusqu'à aujourd'hui. Dans les sections Est et Ouest du projet Authier, la présence du corps minéralisé à été confirmée au-delà de 200 mètres de profondeur. De plus, le sondage AL-16-016 a intercepté l'intrusion pegmatitique à spodumène où les travaux précédents interprétaient la zone comme étant stérile.

L'environnement magnétique du socle rocheux a eu comme conséquence de tromper certaines données d'azimut résultant des tests d'orientation. L'orientation de la projection en plan<sup>3</sup> est donc une estimation au meilleur de nos connaissances considérant ce facteur. Ce magnétisme résulte probablement du basalte magnésien présent dans le secteur du projet. Une prochaine campagne de forage nécessiterait donc un instrument qui n'est pas affecté par le magnétisme. La collecte de données tridimensionnelles serait alors plus précise.

L'exploration dans le secteur du projet bénéficie d'une accessibilité privilégiée en raison de sa situation géographique. L'appui de la communauté est aussi un atout dont le projet dispose.

Les résultats obtenus à ce jour sont positifs et semblent aller dans la direction que souhaite prendre Sayona Mining pour le futur. C'est un pas de plus vers la mise en valeur visant une exploitation, mais cela n'est que spéculation à ce stade-ci des travaux. Un certain potentiel est mis en lumière, mais des travaux supplémentaires devront être effectués pour continuer à faire fleurir le potentiel du projet.

Une deuxième phase de sondage ayant comme objectif de continuer à augmenter et définir plus précisément les ressources de même que ses limites serait appropriée. Resserrer la maille de forage et établir avec précision la position tridimensionnelle des futurs sondages.

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<sup>3</sup> Voir annexe 1; carte Projection des forages automne 2016

## RÉFÉRENCES

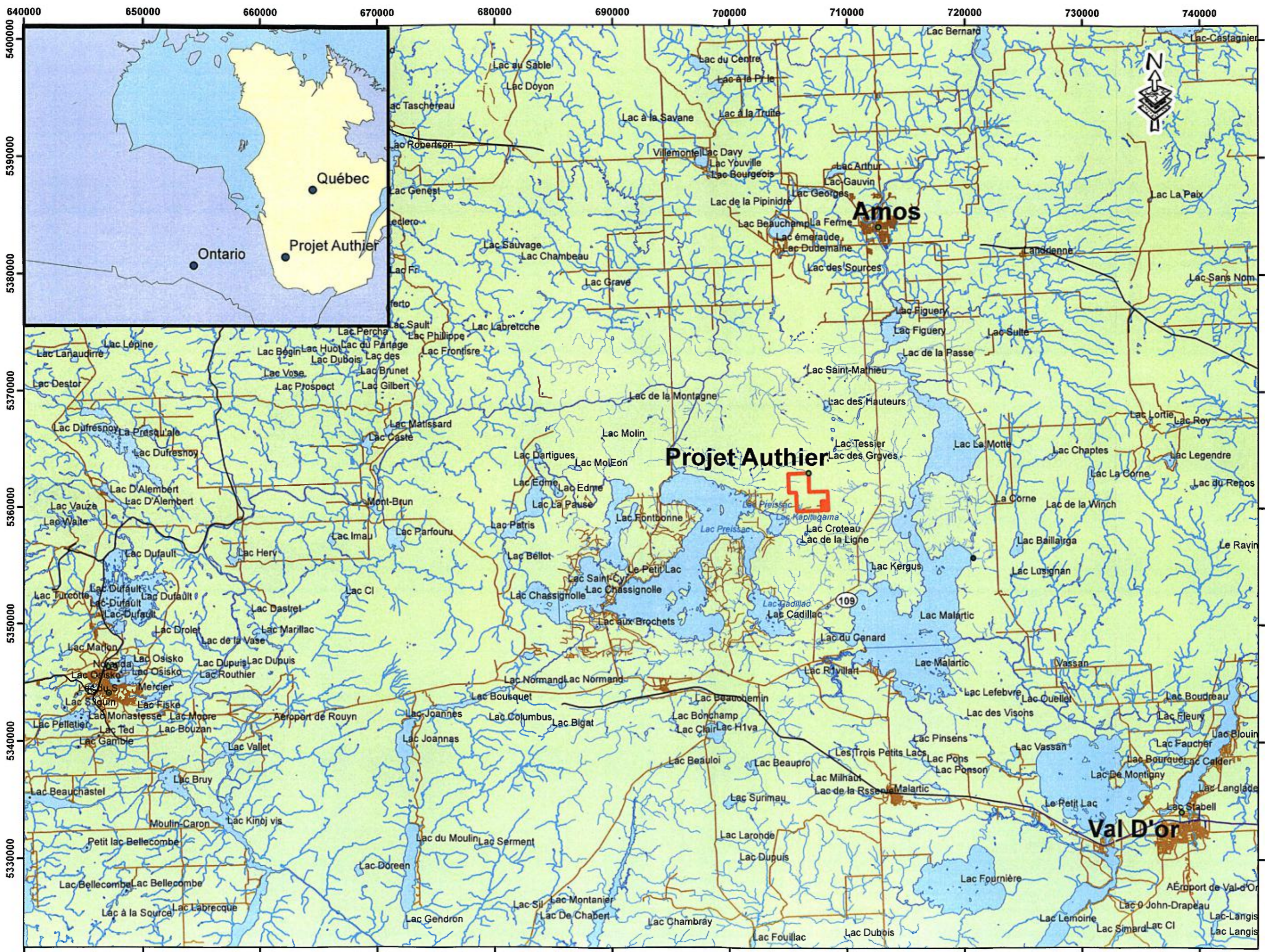
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Géologie des ressources minérale, Michel Jébrak, Éric Marcoux, Ressource Naturelles et Faune du Qc, 2008

Technical Report, Preliminary Economic Assessment, Authier Lithium Property, Abitibi, Quebec, for Glen Eagle Ressources Inc, by SGS Canada Inc., 2013.

Sayona Mining Ltd.,([http://www.sayonamining.com.au/Projects\\_Authier.htm](http://www.sayonamining.com.au/Projects_Authier.htm))

**ANNEXE 1**



PROJET AUTHIER  
 CARTE LOCALISATION  
 GÉNÉRALE

1:300 000

INFORMATION CARTO.:  
 Projection: UTM, zone 17  
 Datum: NAD 1983

**Légende**

- Villes Principales
- ▭ Contour de propriété
- Rivières
- Lacs
- Routes principales

Réalisée par:  
 Philippe Brien, Tech. géo.  
 25 novembre 2016





PROJET AUTHIER  
CARTE DES TITRES MINIERS

1:50 000

INFORMATION CARTO.:

Projection: UTM, Zone 17N  
Datum: Nad 1983

Feuillet: 32 D08 S/E  
Canton: La Motte / Preissac

**Légende**

★ Villes et village

**Route**

- Routes
- Chemins
- Rivières
- Propriété Authier
- Lacs
- CANTON

**Claims Authier**

**Détenteur**

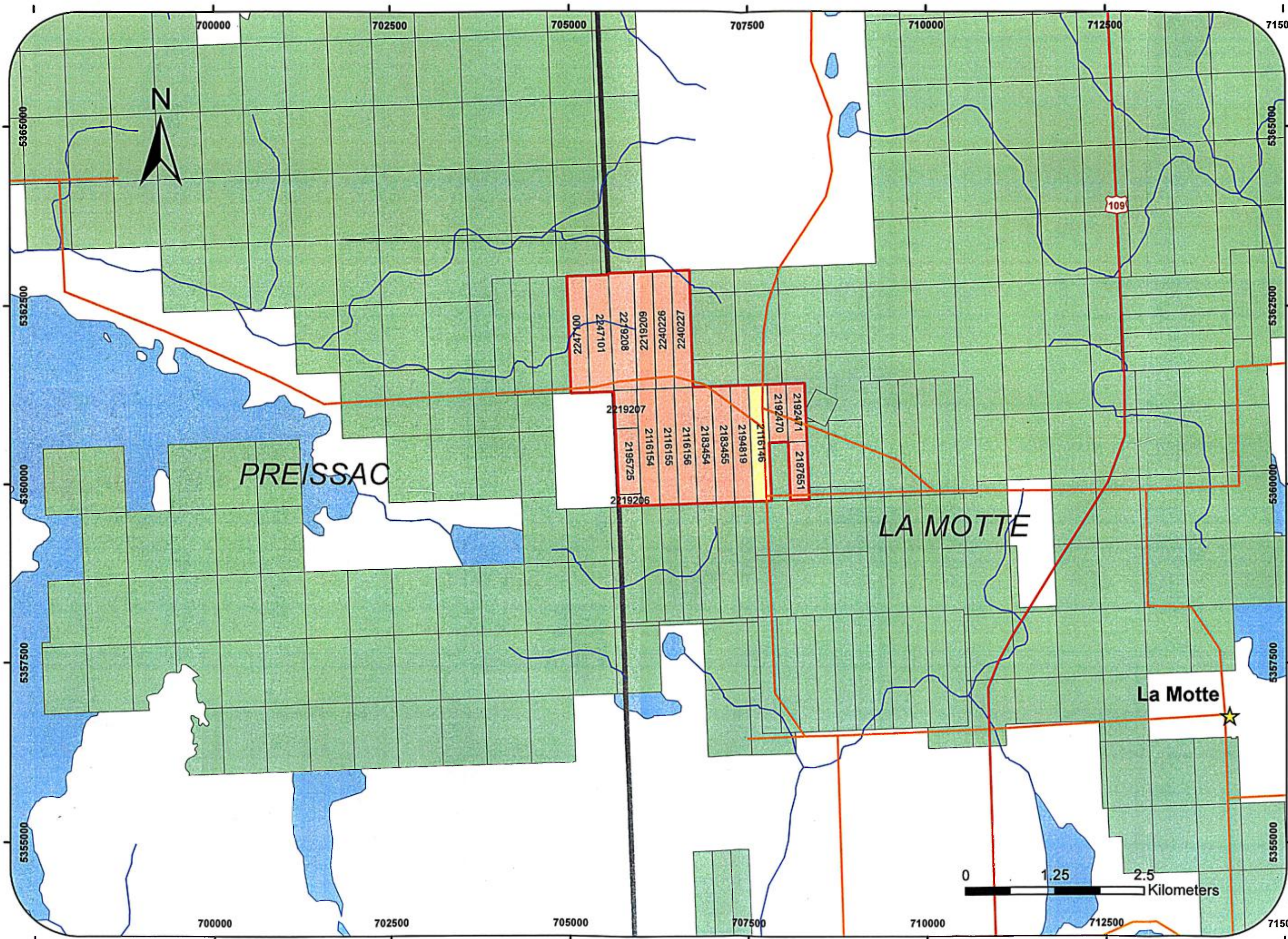
- Royal Nickel Corporation
- Sayona Québec inc.
- Titres actifs

Réalisation:

Philippe Brien, tech géo.  
30 novembre 2016



WWW.SERVICSGFE.CA





PROJET AUTHIER  
LOCALISATION DES TRAVAUX



1:20 000

INFORMATION CARTO.:

Projection: UTM, Zone 17N  
Datum: Nad 1983

Feuillet: 32 D08 S/E  
Canton: La Motte / Preissac

**Légende**

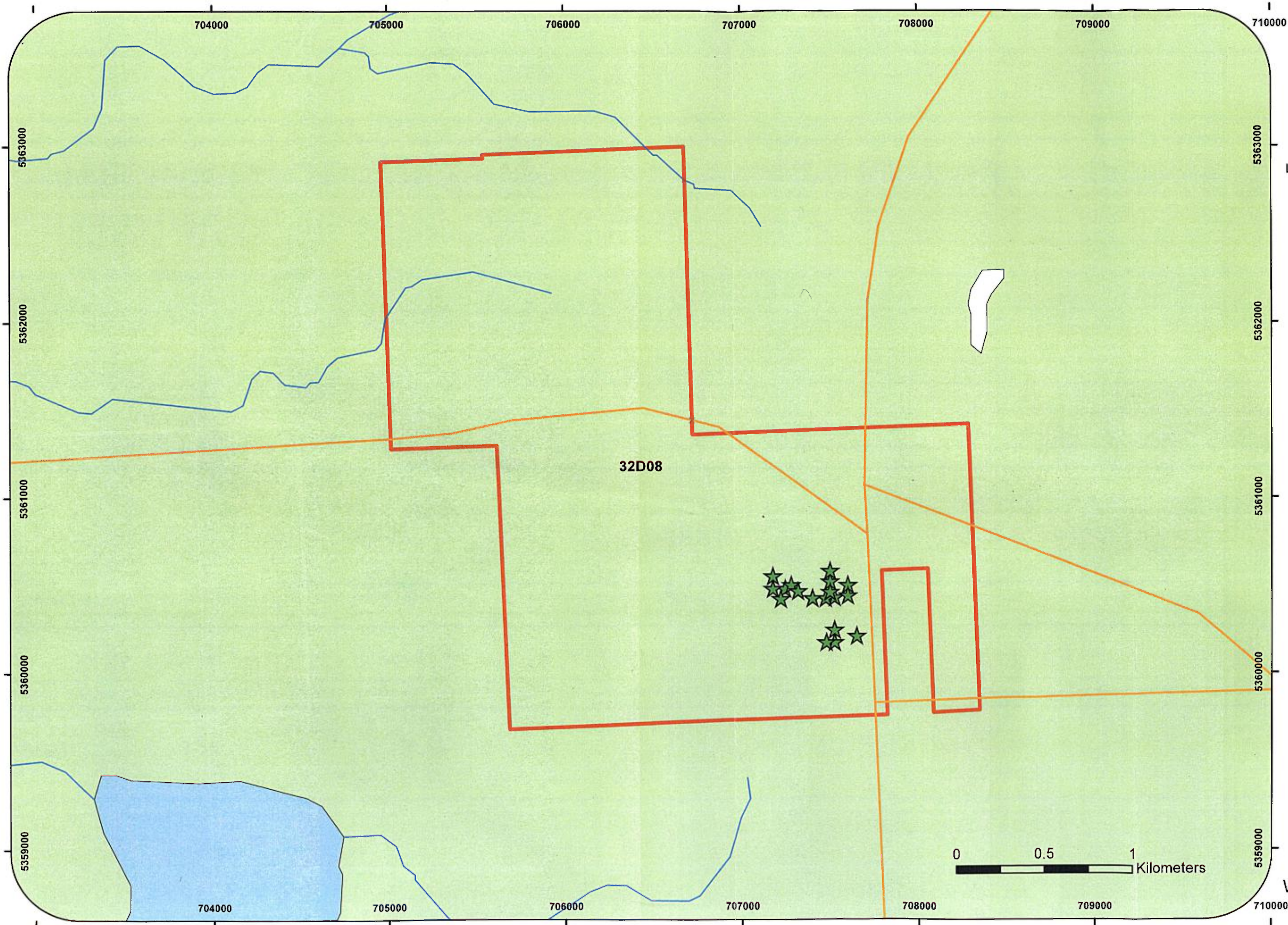
- ★ Forages
- Rivières
- Propriété Authier
- Végétation
- Lacs

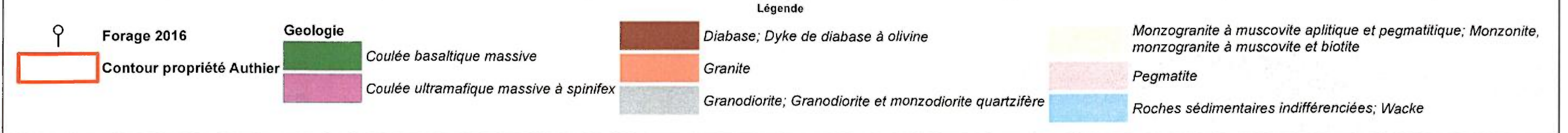
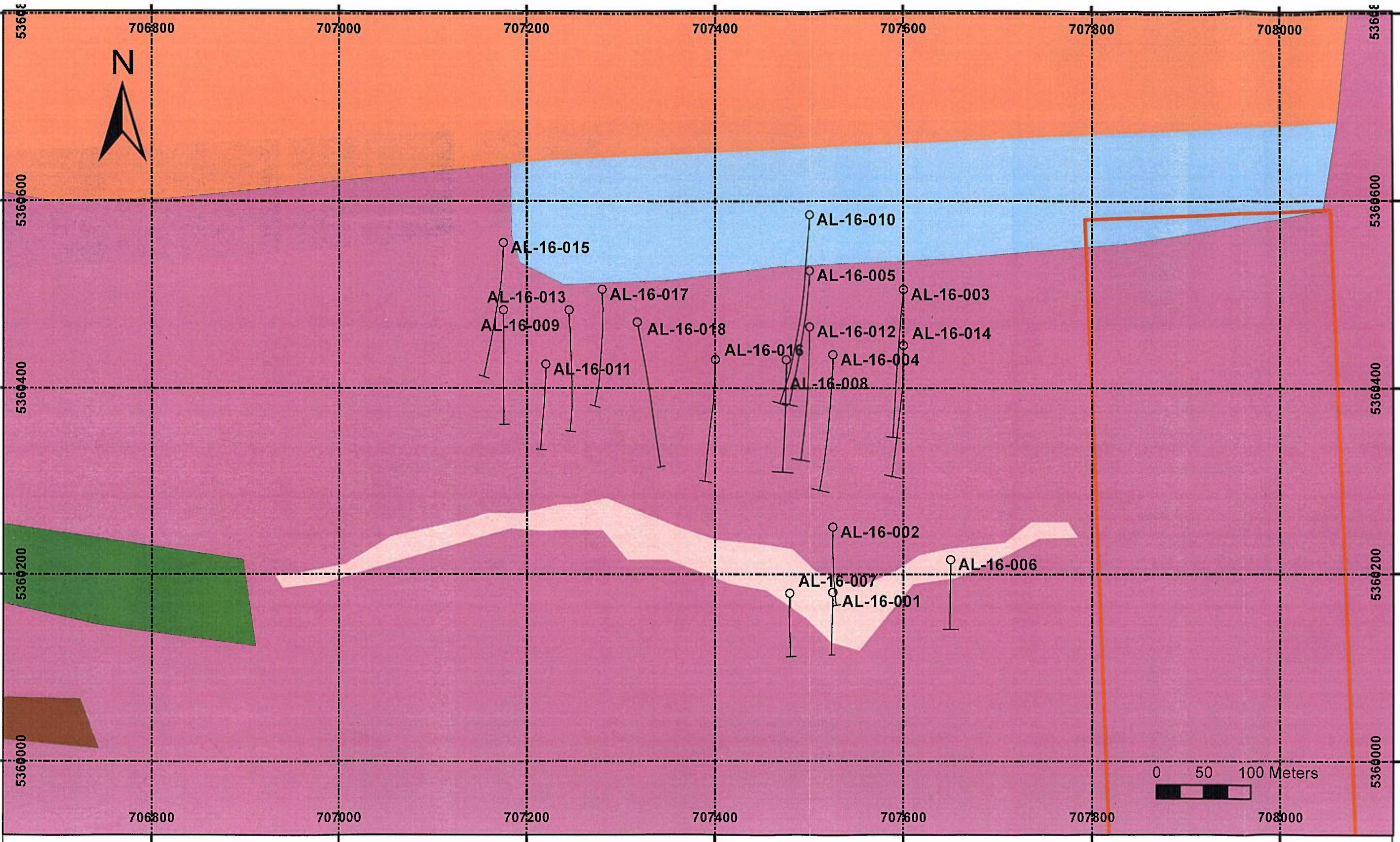
Réalisation:

Philippe Brien, tech géo.  
25 novembre 2016



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**ANNEXE 2**



**Certificate of Analysis**  
**Work Order : SU1600858**  
**[Report File No.: 000008051]**

Date: October 14, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Sep 27, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
65	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600858 Order:  
Report File No.: 000008051

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55001	0.125	0.08	<30	80	<5	0.3	<10	<10
55002	2.189	7.93	<30	208	207	0.2	<10	<10
55003	3.965	7.94	<30	67	157	0.2	<10	<10
55004	3.626	8.23	<30	54	130	0.2	<10	<10
55005	2.642	8.81	<30	144	224	0.1	<10	<10
55006	3.663	8.69	<30	107	199	0.2	<10	<10
55007	3.797	7.94	<30	41	181	0.1	<10	<10
55008	3.903	8.88	<30	73	181	0.2	<10	<10
55009	2.787	7.96	<30	195	245	0.1	<10	<10
55010	0.015	8.76	<30	29	197	<0.1	<10	<10
55011	3.923	8.19	<30	131	266	0.1	<10	<10
55012	4.298	7.82	<30	91	98	0.1	<10	<10
55013	3.917	7.84	<30	35	83	0.1	<10	<10
55014	4.073	8.10	<30	12	151	0.1	<10	<10
55015	4.122	8.20	<30	13	180	0.2	<10	<10
55016	0.128	0.06	<30	79	<5	<0.1	<10	<10
55017	3.874	7.98	<30	31	427	0.1	<10	<10
55018	3.718	8.73	<30	40	145	0.2	<10	<10
55019	4.180	7.93	<30	<10	132	0.1	<10	<10
55020	4.043	7.49	<30	13	117	0.1	<10	<10
55021	3.719	7.92	<30	<10	112	0.1	<10	<10
55022	3.906	8.04	<30	10	120	0.1	<10	<10
55023	4.014	8.01	<30	<10	151	0.1	<10	<10
55024	0.014	7.91	<30	14	125	0.2	<10	<10
55025	3.869	8.16	<30	<10	141	0.1	<10	<10
55026	3.818	8.12	<30	<10	164	0.1	<10	<10
55027	3.982	7.73	<30	<10	139	0.1	<10	<10
55028	3.988	7.78	<30	<10	150	0.1	<10	<10
55029	3.781	8.07	<30	<10	149	0.1	<10	<10
55030	0.123	0.06	<30	80	<5	<0.1	<10	<10
55031	3.857	8.00	<30	<10	186	0.1	<10	<10
55032	3.897	7.91	65	<10	203	0.1	<10	<10
55033	4.129	7.99	<30	<10	163	0.1	<10	<10
55034	4.176	8.31	<30	<10	126	0.1	<10	<10
*Dup 55034	N.A.	8.19	<30	<10	118	0.1	<10	<10
55035	4.513	7.95	<30	<10	145	0.1	<10	<10
55036	4.029	8.17	<30	<10	226	<0.1	<10	<10
55037	3.960	8.22	<30	<10	194	0.2	<10	<10
55038	3.494	8.11	<30	<10	142	0.1	<10	<10
55039	0.015	8.91	<30	33	195	0.1	<10	<10

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Final : SU1600858 Order:

Report File No.: 000008051

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55040	4.071	7.99	<30	<10	85	0.1	<10	<10
55041	4.197	7.88	<30	<10	80	0.1	<10	<10
55042	4.302	8.04	<30	<10	124	0.1	<10	<10
55043	0.143	0.06	<30	77	<5	<0.1	<10	<10
55044	3.628	8.15	<30	<10	64	0.1	<10	<10
55045	4.039	7.96	<30	<10	77	0.1	<10	<10
55046	4.546	7.78	<30	<10	34	0.2	<10	<10
55047	3.978	7.72	<30	15	17	<0.1	<10	<10
55048	0.013	7.92	<30	22	129	0.1	<10	<10
55049	3.885	7.99	<30	<10	75	0.2	<10	<10
55050	2.972	7.63	<30	20	199	0.2	<10	<10
55051	3.851	7.71	<30	25	91	0.1	<10	<10
55052	4.177	7.85	<30	14	70	0.1	<10	<10
55053	4.089	7.83	<30	39	46	0.1	<10	<10
55054	3.934	7.81	<30	16	23	0.1	<10	<10
55055	4.079	7.94	<30	18	50	0.1	<10	<10
55056	0.168	0.08	<30	49	<5	<0.1	<10	<10
55057	3.778	7.77	<30	17	71	0.1	<10	<10
55058	3.926	7.88	<30	37	116	0.1	<10	<10
55059	3.825	7.79	<30	<10	126	0.1	<10	<10
55060	3.554	8.22	<30	37	214	0.2	<10	<10
55061	4.018	7.81	<30	15	144	0.2	<10	<10
55062	3.849	7.73	<30	53	179	0.2	<10	<10
55063	4.027	8.00	<30	34	136	0.2	<10	<10
55064	4.133	7.90	<30	<10	73	0.2	<10	<10
55065	3.839	7.80	<30	<10	69	0.1	<10	<10
55066	0.015	8.60	<30	31	186	0.1	<10	<10
55067	4.169	7.83	<30	11	58	0.1	<10	<10
55068	3.917	8.30	<30	16	121	0.1	<10	<10
55069	3.903	7.93	<30	13	118	0.1	<10	<10
*Dup 55069	N.A.	7.66	<30	12	128	0.1	<10	<10
55070	4.055	8.22	<30	16	66	0.1	<10	<10
*Rep 55028		7.67	<30	<10	153	0.1	<10	<10
*Rep 55062		7.85	<30	50	178	0.1	<10	<10

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Final : SU1600858 Order:

Report File No.: 0000008051

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55001	<10	<10	0.10	<0.1	<10	<10	0.04	12
55002	16	<10	0.88	2.3	<10	5591	0.21	760
55003	34	<10	0.85	2.7	<10	6629	0.05	896
55004	22	<10	0.69	2.0	<10	5094	0.04	735
55005	32	<10	1.03	1.5	<10	9991	0.09	1071
55006	20	<10	0.75	2.9	<10	6618	0.06	856
55007	46	<10	0.82	1.5	<10	6753	0.03	1113
55008	24	<10	0.71	2.2	<10	5402	0.05	805
55009	32	<10	0.73	1.6	<10	4577	0.08	740
55010	21	<10	1.05	0.9	<10	13791	0.03	754
55011	21	<10	0.72	2.7	<10	5770	0.06	912
55012	42	<10	0.82	2.8	<10	6754	0.06	949
55013	23	<10	0.80	2.1	<10	4751	0.03	1194
55014	39	<10	0.77	1.9	<10	8137	0.02	1041
55015	25	<10	0.56	1.3	<10	1834	0.02	1570
55016	<10	<10	0.04	<0.1	<10	11	0.02	<10
55017	22	<10	0.74	2.0	<10	6593	0.03	875
55018	32	<10	0.56	2.7	<10	6234	0.02	583
55019	27	<10	0.75	1.8	<10	8550	0.02	855
55020	39	<10	0.65	2.6	<10	7201	0.02	837
55021	30	<10	0.62	3.0	<10	5574	0.02	987
55022	20	<10	0.74	2.2	<10	7516	0.02	707
55023	35	<10	0.67	2.2	<10	8592	0.02	757
55024	17	<10	0.85	2.0	<10	3035	0.02	1319
55025	20	<10	0.72	2.0	<10	7820	0.02	797
55026	25	<10	0.67	2.1	<10	6800	0.02	1141
55027	29	<10	0.70	2.0	<10	6570	0.02	897
55028	36	<10	0.60	2.0	<10	7464	0.02	642
55029	20	<10	0.66	1.7	<10	6468	0.02	748
55030	10	<10	0.05	<0.1	<10	22	0.02	<10
55031	28	<10	0.63	1.8	<10	7723	0.02	1007
55032	38	<10	0.85	2.0	<10	6017	0.03	736
55033	37	<10	0.86	1.5	<10	10449	0.03	922
55034	43	<10	0.64	2.1	<10	8249	0.03	1049
*Dup 55034	38	<10	0.64	2.1	<10	8123	0.03	1031
55035	21	<10	0.64	2.4	<10	7401	0.02	936
55036	34	<10	0.76	3.3	<10	10227	0.02	851
55037	20	<10	0.50	1.8	<10	3558	0.02	834
55038	29	<10	0.53	2.7	<10	6462	0.03	828
55039	20	<10	1.04	0.9	<10	14281	0.03	735

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Final : SU1600858 Order:  
Report File No.: 000008051

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55040	34	<10	0.80	2.5	<10	7807	0.02	1061
55041	37	<10	0.76	2.1	<10	7784	0.02	1845
55042	33	<10	0.62	2.3	<10	7841	0.01	920
55043	<10	<10	0.03	<0.1	<10	17	0.02	<10
55044	25	<10	0.67	2.5	<10	6734	0.02	906
55045	36	<10	0.63	2.6	<10	7811	0.02	1180
55046	32	<10	0.64	2.4	<10	5408	0.02	992
55047	24	<10	0.75	3.1	<10	6119	0.03	1593
55048	22	<10	0.86	1.9	<10	3031	0.02	1312
55049	33	<10	0.54	2.4	<10	4217	0.02	1077
55050	29	<10	0.63	1.9	<10	5962	0.02	977
55051	37	<10	0.62	2.9	<10	7350	0.04	809
55052	38	<10	0.57	2.4	<10	5988	0.02	994
55053	31	<10	0.75	3.2	<10	4914	0.07	885
55054	34	<10	0.64	2.2	<10	6920	0.02	728
55055	37	<10	0.61	3.0	<10	4076	0.02	650
55056	<10	<10	0.03	<0.1	<10	<10	0.03	<10
55057	21	<10	0.54	1.7	<10	3273	0.02	1063
55058	28	<10	0.52	3.4	<10	4505	0.03	538
55059	37	<10	0.54	1.5	<10	2712	0.02	1395
55060	31	<10	0.47	1.7	<10	2460	0.04	765
55061	44	<10	0.79	1.7	<10	7942	0.02	700
55062	36	<10	0.65	2.3	<10	7455	0.03	695
55063	30	<10	0.56	2.2	<10	5803	0.03	523
55064	32	<10	0.63	1.9	<10	7060	0.02	706
55065	29	<10	0.52	2.5	<10	5142	0.02	643
55066	19	13	1.05	0.9	<10	14098	0.03	735
55067	32	<10	0.61	1.4	<10	4614	0.02	1127
55068	42	<10	0.63	2.0	<10	8207	0.04	929
55069	27	<10	0.56	1.7	<10	5927	0.03	886
*Dup 55069	31	<10	0.58	1.7	<10	5703	0.03	910
55070	30	<10	0.63	1.0	<10	6775	0.02	979
*Rep 55028	33	<10	0.60	2.0	<10	7328	0.02	652
*Rep 55062	51	<10	0.67	2.3	<10	7570	0.04	744

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55001	<10	<10	<0.01	<20	<50	<5	<50	18
55002	<10	<10	0.01	<20	<50	<5	<50	47
55003	<10	<10	0.01	<20	<50	<5	<50	39
55004	<10	<10	0.01	<20	<50	<5	<50	31
55005	21	<10	0.01	<20	<50	<5	<50	54
55006	<10	<10	0.01	<20	<50	<5	<50	54
55007	<10	42	<0.01	<20	<50	<5	<50	32
55008	<10	<10	0.01	<20	<50	<5	<50	44
55009	<10	<10	0.01	<20	<50	<5	<50	55
55010	<10	<10	<0.01	<20	<50	<5	<50	27
55011	<10	<10	<0.01	<20	<50	<5	<50	49
55012	<10	<10	<0.01	<20	<50	<5	<50	39
55013	<10	11	<0.01	<20	<50	<5	<50	28
55014	<10	<10	<0.01	<20	<50	<5	<50	26
55015	12	<10	0.01	<20	<50	<5	<50	27
55016	<10	<10	<0.01	<20	<50	<5	<50	18
55017	<10	<10	0.01	<20	<50	<5	<50	35
55018	<10	<10	<0.01	<20	<50	<5	<50	44
55019	<10	<10	<0.01	<20	<50	<5	<50	24
55020	<10	<10	<0.01	<20	<50	<5	<50	31
55021	<10	<10	<0.01	<20	<50	<5	<50	27
55022	<10	<10	<0.01	<20	<50	<5	<50	28
55023	<10	<10	<0.01	<20	<50	<5	<50	23
55024	<10	<10	0.01	<20	<50	<5	<50	25
55025	<10	<10	0.01	<20	<50	<5	<50	26
55026	<10	<10	<0.01	<20	<50	<5	<50	26
55027	<10	<10	<0.01	<20	<50	<5	<50	20
55028	<10	<10	<0.01	<20	<50	<5	<50	21
55029	<10	18	0.01	<20	<50	<5	<50	20
55030	<10	<10	<0.01	<20	<50	<5	<50	18
55031	<10	10	<0.01	<20	<50	<5	<50	26
55032	<10	<10	<0.01	<20	<50	<5	<50	22
55033	10	<10	<0.01	<20	<50	<5	<50	20
55034	<10	<10	0.01	<20	<50	<5	<50	23
*Dup 55034	16	<10	0.01	<20	<50	<5	<50	22
55035	<10	<10	<0.01	<20	<50	<5	<50	28
55036	<10	<10	0.01	<20	<50	<5	<50	31
55037	<10	<10	0.02	<20	<50	<5	<50	24
55038	<10	<10	0.01	<20	<50	<5	<50	29
55039	<10	<10	<0.01	<20	<50	<5	<50	33

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Final : SU1600858 Order:  
Report File No.: 000008051

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55040	<10	<10	<0.01	<20	<50	<5	<50	23
55041	<10	<10	<0.01	<20	<50	<5	<50	20
55042	<10	<10	<0.01	<20	<50	<5	<50	27
55043	<10	<10	<0.01	<20	<50	<5	<50	18
55044	<10	<10	<0.01	<20	<50	<5	<50	28
55045	<10	<10	0.01	<20	<50	<5	<50	24
55046	<10	<10	<0.01	<20	<50	<5	<50	22
55047	<10	<10	<0.01	<20	<50	<5	<50	26
55048	<10	<10	0.01	<20	<50	<5	<50	25
55049	<10	<10	<0.01	<20	<50	<5	<50	25
55050	<10	<10	<0.01	<20	<50	<5	<50	26
55051	<10	<10	<0.01	<20	<50	<5	<50	31
55052	<10	<10	<0.01	<20	<50	<5	<50	24
55053	<10	<10	0.01	<20	<50	<5	<50	37
55054	<10	<10	<0.01	<20	<50	<5	<50	29
55055	<10	<10	<0.01	<20	<50	<5	<50	27
55056	<10	<10	<0.01	<20	<50	<5	<50	<10
55057	<10	<10	<0.01	<20	<50	<5	<50	25
55058	<10	<10	<0.01	<20	<50	<5	<50	39
55059	<10	<10	<0.01	<20	<50	<5	<50	22
55060	<10	<10	0.02	<20	<50	<5	<50	28
55061	<10	<10	<0.01	<20	<50	<5	<50	22
55062	<10	<10	<0.01	<20	<50	<5	<50	38
55063	<10	<10	<0.01	<20	<50	<5	<50	26
55064	<10	<10	<0.01	<20	<50	<5	<50	21
55065	<10	<10	<0.01	<20	<50	<5	<50	25
55066	<10	10	<0.01	<20	<50	<5	<50	30
55067	<10	<10	<0.01	<20	<50	<5	<50	20
55068	<10	<10	0.01	<20	<50	<5	<50	26
55069	<10	<10	<0.01	<20	<50	<5	<50	24
*Dup 55069	<10	<10	<0.01	<20	<50	<5	<50	23
55070	<10	<10	<0.01	<20	<50	<5	<50	21
*Rep 55028	<10	<10	<0.01	<20	<50	<5	<50	21
*Rep 55062	<10	<10	<0.01	<20	<50	<5	<50	34

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Final : SU1600858 Order:  
Report File No.: 000008051

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55001	0.02	<10	<50	<5	<10
55002	<0.01	<10	<50	<5	78
55003	<0.01	<10	<50	<5	92
55004	<0.01	<10	<50	<5	130
55005	<0.01	<10	<50	<5	87
55006	<0.01	<10	<50	<5	197
55007	<0.01	<10	<50	<5	124
55008	<0.01	<10	<50	<5	97
55009	<0.01	<10	<50	<5	54
55010	<0.01	<10	<50	<5	114
55011	<0.01	<10	<50	<5	111
55012	<0.01	<10	<50	<5	169
55013	<0.01	<10	<50	<5	90
55014	<0.01	<10	<50	<5	225
55015	<0.01	<10	<50	<5	97
55016	0.02	<10	<50	<5	<10
55017	<0.01	<10	<50	<5	79
55018	<0.01	<10	<50	<5	112
55019	<0.01	<10	<50	<5	124
55020	<0.01	<10	<50	<5	138
55021	<0.01	<10	<50	<5	116
55022	<0.01	<10	<50	<5	100
55023	<0.01	<10	<50	<5	89
55024	<0.01	<10	<50	<5	54
55025	<0.01	<10	<50	<5	85
55026	<0.01	<10	<50	<5	193
55027	<0.01	<10	<50	<5	89
55028	<0.01	<10	<50	<5	157
55029	<0.01	<10	<50	<5	84
55030	0.02	<10	<50	<5	<10
55031	<0.01	<10	<50	<5	92
55032	<0.01	<10	<50	<5	118
55033	<0.01	<10	<50	<5	128
55034	<0.01	<10	<50	<5	89
*Dup 55034	<0.01	<10	<50	<5	90
55035	<0.01	<10	<50	<5	88
55036	<0.01	<10	<50	<5	163
55037	<0.01	<10	<50	<5	66
55038	<0.01	<10	<50	<5	182
55039	<0.01	<10	<50	<5	111

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Final : SU1600858 Order:

Report File No.: 0000008051

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55040	<0.01	<10	<50	<5	151
55041	<0.01	<10	<50	<5	149
55042	<0.01	<10	<50	<5	274
55043	0.02	<10	<50	<5	<10
55044	<0.01	<10	<50	<5	98
55045	<0.01	<10	<50	<5	238
55046	<0.01	<10	<50	<5	139
55047	<0.01	<10	<50	<5	121
55048	<0.01	<10	<50	<5	53
55049	<0.01	<10	<50	<5	132
55050	<0.01	<10	<50	<5	98
55051	<0.01	<10	<50	<5	114
55052	<0.01	<10	<50	<5	115
55053	<0.01	<10	<50	<5	185
55054	<0.01	<10	<50	<5	100
55055	<0.01	<10	<50	<5	126
55056	<0.01	<10	<50	<5	<10
55057	<0.01	<10	<50	<5	92
55058	<0.01	<10	<50	<5	129
55059	<0.01	<10	<50	<5	100
55060	<0.01	<10	<50	<5	93
55061	<0.01	<10	<50	<5	169
55062	<0.01	<10	<50	<5	108
55063	<0.01	<10	<50	<5	87
55064	<0.01	<10	<50	<5	117
55065	<0.01	<10	<50	<5	89
55066	<0.01	<10	<50	<5	112
55067	<0.01	<10	<50	<5	114
55068	<0.01	<10	<50	<5	103
55069	<0.01	<10	<50	<5	94
*Dup 55069	<0.01	<10	<50	<5	103
55070	<0.01	<10	<50	<5	144
*Rep 55028	<0.01	<10	<50	<5	167
*Rep 55062	<0.01	<10	<50	<5	103

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**Certificate of Analysis**  
**Work Order : SU1600859**  
**[Report File No.: 000008043]**

Date: October 12, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Sep 27, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
67	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	Wt%kg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55071	3.750	8.86	<30	16	76	0.2	<10	<10
55072	3.979	8.07	<30	26	178	0.3	<10	<10
55073	3.556	9.15	<30	26	153	0.1	<10	<10
55074	3.735	8.48	<30	99	110	0.2	<10	<10
55075	4.069	4.55	<30	514	32	2.9	<10	76
55076	3.771	4.39	<30	487	25	3.7	<10	78
55077	0.159	0.07	<30	82	<5	<0.1	<10	<10
55078	4.402	3.73	<30	93	13	5.7	<10	79
55079	4.260	4.55	<30	48	12	4.6	<10	80
55080	4.075	4.18	<30	12	6	4.9	<10	83
55081	4.213	2.63	<30	<10	<5	6.5	<10	71
55082	0.013	7.88	<30	18	124	0.1	<10	<10
55083	3.160	8.77	<30	584	10	1.4	<10	26
55084	0.195	0.13	<30	84	<5	<0.1	<10	<10
55085	4.416	3.15	<30	<10	5	4.7	<10	91
55086	4.374	3.23	<30	<10	5	4.5	<10	85
55087	4.423	3.58	<30	<10	7	4.4	<10	84
55088	4.038	3.15	<30	<10	7	4.3	<10	85
55089	4.405	3.23	<30	11	8	4.4	<10	88
55090	4.243	3.63	<30	110	30	5.8	<10	62
55091	3.536	8.48	<30	24	194	0.2	<10	<10
55092	3.821	7.99	<30	19	180	0.1	<10	<10
55093	3.815	7.63	<30	14	270	<0.1	<10	<10
55094	0.017	8.79	<30	32	191	<0.1	<10	<10
55095	3.671	8.21	<30	28	262	0.1	<10	<10
55096	3.960	8.23	<30	63	140	0.1	<10	<10
55097	3.971	7.86	<30	87	93	0.1	<10	<10
55098	3.904	8.07	<30	207	175	0.1	<10	<10
55099	3.696	7.93	<30	113	176	<0.1	<10	<10
55100	4.016	7.87	<30	63	81	0.1	<10	<10
55101	0.191	0.14	<30	92	<5	<0.1	<10	<10
55102	3.971	7.83	<30	56	112	0.1	<10	<10
55103	4.057	8.34	<30	107	155	0.1	<10	<10
55104	3.793	8.08	<30	255	163	0.1	<10	<10
*Dup 55104	N.A.	8.02	<30	243	175	0.1	<10	<10
55105	3.594	7.80	<30	183	152	0.1	<10	<10
55106	4.570	7.87	<30	104	196	0.2	<10	<10
55107	3.498	8.15	<30	46	158	0.1	<10	<10
55108	4.060	8.22	<30	111	113	0.2	<10	<10
55109	5.025	7.99	<30	43	147	0.1	<10	<10

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Final : SU1600859 Order:  
Report File No.: 0000008043

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 0.01 %	As GE_ICP90A 30 <30 ppm	Ba GE_ICP90A 10 66 ppm	Be GE_ICP90A 5 152 ppm	Ca GE_ICP90A 0.1 0.1 %	Cd GE_ICP90A 10 <10 ppm	Co GE_ICP90A 10 <10 ppm
55110	3.970	8.42	<30	66	152	0.1	<10	<10
55111	3.914	8.26	<30	83	121	0.2	<10	<10
55112	3.850	8.14	<30	102	74	0.2	<10	<10
55113	3.853	8.19	<30	127	117	0.1	<10	<10
55114	3.761	7.85	<30	176	237	0.1	<10	<10
55115	3.597	8.24	<30	100	90	0.1	<10	<10
55116	3.753	7.79	<30	120	66	0.1	<10	<10
55117	3.869	8.18	<30	166	99	0.1	<10	<10
55118	0.013	7.94	<30	16	128	0.1	<10	<10
55119	3.780	7.84	<30	141	68	0.1	<10	<10
55120	4.036	7.62	<30	35	60	<0.1	<10	<10
55121	3.931	8.08	<30	92	49	0.2	<10	<10
55122	4.139	7.69	<30	57	69	0.1	<10	<10
55123	4.189	8.12	<30	42	157	0.1	<10	<10
55124	4.050	8.21	<30	111	158	0.2	<10	<10
55125	0.174	0.12	<30	91	<5	<0.1	<10	<10
55126	2.644	8.35	<30	323	47	0.1	<10	<10
55127	3.897	7.95	<30	126	63	0.1	<10	<10
55128	4.103	7.98	<30	15	51	0.1	<10	<10
55129	3.914	7.88	<30	20	30	0.1	<10	<10
55130	4.042	8.00	<30	31	47	<0.1	<10	<10
55131	4.008	7.95	<30	72	163	0.1	<10	<10
55132	4.008	8.26	<30	44	90	0.1	<10	<10
55133	4.107	8.10	<30	<10	159	0.1	<10	<10
55134	3.973	7.06	<30	<10	176	<0.1	<10	<10
55135	4.125	7.68	<30	<10	153	0.1	<10	<10
55136	4.912	7.97	<30	<10	157	0.2	<10	<10
55137	3.927	7.91	<30	<10	67	0.1	<10	<10
55138	0.204	0.13	<30	87	<5	<0.1	<10	<10
55139	4.228	8.37	<30	12	43	0.1	<10	<10
*Dup 55139	N.A.	8.38	<30	11	52	0.1	<10	<10
55140	3.925	8.45	<30	20	80	0.1	<10	<10
*Rep 55092		7.92	<30	20	178	0.1	<10	<10
*Rep 55132		8.58	<30	42	96	0.1	<10	<10

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Final : SU1600859 Order:

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Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55071	21	<10	0.45	1.0	<10	1587	0.03	821
55072	22	<10	0.51	1.9	<10	4338	0.03	602
55073	28	<10	0.42	0.5	<10	1891	0.03	478
55074	29	<10	0.95	1.0	<10	186	0.93	623
55075	2269	48	7.61	3.8	<10	774	14.1	1356
55076	2156	38	7.81	3.2	<10	632	13.2	1150
55077	22	<10	0.08	<0.1	<10	<10	0.10	12
55078	2618	75	7.99	0.6	<10	193	13.8	1464
55079	2554	29	8.99	0.3	<10	148	14.0	1434
55080	2203	82	8.09	<0.1	<10	41	15.3	1303
55081	1764	166	5.95	<0.1	<10	29	15.4	1348
55082	34	<10	0.90	1.9	<10	2935	0.03	1312
55083	203	<10	3.67	2.3	<10	509	5.54	399
55084	<10	<10	0.06	<0.1	<10	<10	0.06	<10
55085	2112	35	7.79	<0.1	<10	<10	18.0	1389
55086	2096	49	7.58	<0.1	<10	<10	17.0	1274
55087	2444	46	8.51	<0.1	<10	<10	16.4	1190
55088	2140	64	7.66	<0.1	<10	11	17.1	1303
55089	2211	106	7.85	<0.1	<10	19	16.4	1292
55090	1695	11	6.53	1.3	<10	454	12.4	1858
55091	20	<10	0.79	0.2	<10	75	0.36	407
55092	28	<10	0.48	<0.1	<10	28	0.14	272
55093	22	<10	0.48	0.3	<10	22	0.09	613
55094	26	10	1.09	0.9	<10	13856	0.03	734
55095	25	<10	0.44	2.2	<10	380	0.05	735
55096	24	<10	0.72	3.1	<10	5039	0.03	1246
55097	30	<10	0.54	2.6	<10	1671	0.05	876
55098	22	<10	0.70	2.8	<10	6735	0.08	984
55099	48	<10	0.74	2.7	<10	7208	0.08	906
55100	35	<10	0.67	2.2	<10	5128	0.04	1156
55101	<10	<10	0.04	<0.1	<10	10	0.04	<10
55102	20	<10	0.67	2.4	<10	6101	0.03	838
55103	39	<10	0.81	2.1	<10	7385	0.05	922
55104	23	<10	0.66	4.0	<10	3411	0.10	628
*Dup 55104	15	<10	0.61	3.9	<10	3567	0.09	607
55105	39	<10	0.69	2.8	<10	5088	0.12	781
55106	26	<10	0.68	2.5	<10	5768	0.07	590
55107	39	<10	0.66	1.3	<10	8727	0.03	970
55108	22	<10	0.83	2.4	<10	6539	0.08	780
55109	56	<10	0.62	2.4	<10	6966	0.03	952

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Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55110	17	<10	0.64	3.0	<10	5767	0.03	631
55111	36	<10	0.62	2.4	<10	5848	0.05	677
55112	18	<10	0.80	1.6	<10	2054	0.14	826
55113	34	<10	0.80	2.2	<10	4951	0.12	878
55114	28	<10	0.61	2.9	<10	3708	0.08	598
55115	32	<10	0.44	2.8	<10	1437	0.07	452
55116	21	<10	0.83	2.7	<10	3895	0.13	573
55117	36	<10	0.98	3.9	<10	2336	0.23	699
55118	30	<10	0.90	1.9	<10	2999	0.02	1320
55119	17	<10	0.90	3.1	<10	3939	0.15	666
55120	37	<10	0.68	2.0	<10	6653	0.04	895
55121	23	<10	0.76	2.8	<10	4416	0.08	842
55122	45	<10	0.63	2.6	<10	2403	0.04	765
55123	21	<10	0.64	2.0	<10	5578	0.04	797
55124	38	<10	0.70	2.7	<10	5982	0.04	736
55125	<10	<10	0.04	<0.1	<10	<10	0.03	<10
55126	33	<10	1.06	3.7	<10	2760	0.31	549
55127	17	<10	0.66	2.7	<10	2917	0.07	976
55128	39	<10	0.64	2.8	<10	5178	0.02	920
55129	19	<10	0.60	2.7	<10	2772	0.02	938
55130	37	<10	0.75	2.7	<10	6864	0.03	783
55131	23	<10	0.69	2.4	<10	8295	0.07	899
55132	34	<10	0.62	1.9	<10	4784	0.08	813
55133	20	<10	0.63	2.0	<10	8744	0.02	944
55134	63	<10	0.65	1.7	<10	9729	0.02	642
55135	20	<10	0.67	1.7	<10	7896	0.02	773
55136	38	<10	0.55	1.5	<10	6787	0.02	670
55137	19	<10	0.69	1.6	<10	7467	0.02	727
55138	<10	<10	0.04	<0.1	<10	<10	0.04	<10
55139	18	<10	0.57	1.9	<10	4386	0.03	917
*Dup 55139	17	<10	0.59	1.9	<10	4293	0.03	896
55140	33	<10	0.50	2.0	<10	3560	0.02	921
*Rep 55092	21	<10	0.47	<0.1	<10	26	0.13	264
*Rep 55132	52	<10	0.64	1.9	<10	4821	0.08	837

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Final : SU1600859 Order:

Report File No.: 0000008043

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55071	<10	<10	<0.01	<20	<50	<5	<50	22
55072	<10	11	0.01	<20	<50	<5	<50	31
55073	29	11	<0.01	<20	<50	<5	<50	30
55074	<10	48	0.03	<20	<50	<5	<50	78
55075	<10	1258	0.02	20	<50	21	<50	36
55076	22	911	0.02	<20	<50	27	<50	39
55077	<10	14	<0.01	<20	<50	<5	<50	20
55078	<10	1048	0.01	<20	<50	24	<50	41
55079	<10	791	0.02	<20	<50	29	<50	37
55080	<10	1038	0.02	<20	<50	24	<50	32
55081	<10	1386	0.01	<20	<50	16	<50	41
55082	<10	15	<0.01	<20	<50	<5	<50	29
55083	11	282	0.03	<20	<50	7	<50	537
55084	<10	<10	<0.01	<20	<50	<5	<50	26
55085	<10	1481	0.01	<20	<50	21	<50	33
55086	<10	1352	0.01	<20	<50	21	<50	26
55087	<10	1187	0.02	<20	<50	26	<50	24
55088	<10	1324	0.01	<20	<50	21	<50	29
55089	<10	1307	0.03	<20	<50	23	<50	28
55090	<10	1054	0.03	<20	<50	16	<50	78
55091	<10	23	0.01	<20	<50	<5	<50	70
55092	<10	12	<0.01	<20	<50	<5	<50	55
55093	<10	15	<0.01	<20	<50	<5	<50	27
55094	<10	11	<0.01	<20	<50	<5	<50	33
55095	<10	<10	0.01	<20	<50	<5	<50	35
55096	<10	<10	<0.01	<20	<50	<5	<50	44
55097	<10	<10	<0.01	<20	<50	<5	<50	46
55098	<10	<10	<0.01	<20	<50	<5	<50	80
55099	<10	<10	0.01	<20	<50	<5	<50	50
55100	<10	<10	<0.01	<20	<50	<5	<50	44
55101	<10	<10	<0.01	<20	<50	<5	<50	29
55102	<10	<10	<0.01	<20	<50	<5	<50	43
55103	45	<10	<0.01	<20	<50	<5	<50	66
55104	<10	<10	0.01	<20	<50	<5	<50	86
*Dup 55104	<10	<10	0.01	<20	<50	<5	<50	83
55105	<10	<10	<0.01	<20	<50	<5	<50	77
55106	72	<10	<0.01	<20	<50	<5	<50	55
55107	10	<10	<0.01	<20	<50	<5	<50	30
55108	<10	<10	<0.01	<20	<50	<5	<50	48
55109	<10	<10	<0.01	<20	<50	<5	<50	38

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Final : SU1600859 Order:  
Report File No.: 0000008043

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55110	<10	<10	0.01	<20	<50	<5	<50	58
55111	<10	<10	0.01	<20	<50	<5	<50	47
55112	<10	<10	<0.01	<20	<50	<5	<50	39
55113	41	<10	<0.01	<20	<50	<5	<50	59
55114	<10	<10	<0.01	<20	<50	<5	<50	80
55115	<10	<10	<0.01	<20	<50	<5	<50	65
55116	20	<10	<0.01	<20	<50	<5	<50	67
55117	86	<10	<0.01	<20	<50	<5	<50	86
55118	<10	<10	<0.01	<20	<50	<5	<50	30
55119	<10	<10	<0.01	<20	<50	<5	<50	51
55120	<10	<10	<0.01	<20	<50	<5	<50	32
55121	<10	<10	<0.01	<20	<50	<5	<50	42
55122	<10	<10	<0.01	<20	<50	<5	<50	36
55123	<10	<10	<0.01	<20	<50	<5	<50	39
55124	11	<10	<0.01	<20	<50	<5	<50	51
55125	<10	<10	<0.01	<20	<50	<5	<50	28
55126	<10	12	<0.01	<20	<50	<5	<50	83
55127	<10	<10	<0.01	<20	<50	<5	<50	44
55128	<10	<10	<0.01	<20	<50	<5	<50	32
55129	<10	<10	<0.01	<20	<50	<5	<50	34
55130	<10	<10	<0.01	<20	<50	<5	<50	36
55131	<10	<10	<0.01	<20	<50	<5	<50	37
55132	<10	<10	<0.01	<20	<50	<5	<50	29
55133	<10	<10	<0.01	<20	<50	<5	<50	25
55134	<10	<10	<0.01	<20	<50	<5	<50	25
55135	16	<10	<0.01	<20	<50	<5	<50	23
55136	<10	<10	<0.01	<20	<50	<5	<50	21
55137	<10	<10	<0.01	<20	<50	<5	<50	24
55138	<10	<10	<0.01	<20	<50	<5	<50	31
55139	<10	<10	<0.01	<20	<50	<5	<50	28
*Dup 55139	<10	<10	<0.01	<20	<50	<5	<50	25
55140	<10	<10	<0.01	<20	<50	<5	<50	33
*Rep 55092	<10	12	<0.01	<20	<50	<5	<50	54
*Rep 55132	<10	<10	<0.01	<20	<50	<5	<50	25

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Final : SU1600859 Order:

Report File No.: 000008043

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55071	<0.01	<10	<50	<5	62
55072	<0.01	<10	<50	<5	100
55073	<0.01	<10	<50	<5	95
55074	0.02	<10	<50	<5	147
55075	0.21	136	<50	<5	106
55076	0.22	151	<50	7	71
55077	0.02	<10	<50	<5	<10
55078	0.21	153	<50	6	75
55079	0.26	177	<50	8	81
55080	0.22	137	<50	6	69
55081	0.14	100	<50	<5	43
55082	<0.01	<10	<50	<5	54
55083	0.19	47	<50	<5	35
55084	0.02	<10	<50	<5	<10
55085	0.17	118	<50	<5	60
55086	0.18	119	<50	<5	60
55087	0.21	149	<50	6	66
55088	0.18	124	<50	<5	57
55089	0.19	129	<50	6	68
55090	0.14	88	<50	<5	852
55091	<0.01	<10	<50	<5	427
55092	<0.01	<10	<50	<5	<10
55093	<0.01	<10	<50	<5	<10
55094	<0.01	<10	<50	<5	114
55095	<0.01	<10	<50	<5	36
55096	<0.01	<10	<50	<5	78
55097	<0.01	<10	<50	<5	132
55098	<0.01	<10	<50	<5	126
55099	<0.01	<10	<50	<5	56
55100	<0.01	<10	<50	<5	98
55101	0.02	<10	<50	<5	<10
55102	<0.01	<10	<50	<5	135
55103	<0.01	<10	<50	<5	122
55104	<0.01	<10	<50	<5	93
*Dup 55104	<0.01	<10	<50	<5	82
55105	<0.01	<10	<50	<5	108
55106	<0.01	<10	<50	<5	211
55107	<0.01	<10	<50	<5	112
55108	<0.01	<10	<50	<5	87
55109	<0.01	<10	<50	<5	95

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Final : SU1600859 Order:

Report File No.: 0000008043

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55110	<0.01	<10	<50	<5	83
55111	<0.01	<10	<50	<5	120
55112	<0.01	<10	<50	<5	77
55113	<0.01	<10	<50	<5	92
55114	<0.01	<10	<50	<5	149
55115	<0.01	<10	<50	<5	58
55116	<0.01	<10	<50	<5	86
55117	<0.01	<10	<50	<5	55
55118	<0.01	<10	<50	<5	54
55119	<0.01	<10	<50	<5	53
55120	<0.01	<10	<50	<5	62
55121	<0.01	<10	<50	<5	77
55122	<0.01	<10	<50	<5	68
55123	<0.01	<10	<50	<5	98
55124	<0.01	<10	<50	<5	97
55125	0.02	<10	<50	<5	<10
55126	<0.01	<10	<50	<5	54
55127	<0.01	<10	<50	<5	113
55128	<0.01	<10	<50	<5	114
55129	<0.01	<10	<50	<5	118
55130	<0.01	<10	<50	<5	131
55131	<0.01	<10	<50	<5	73
55132	<0.01	<10	<50	<5	96
55133	<0.01	<10	<50	<5	251
55134	<0.01	<10	<50	<5	70
55135	<0.01	<10	<50	<5	88
55136	<0.01	<10	<50	<5	131
55137	<0.01	<10	<50	<5	116
55138	0.02	<10	<50	<5	<10
55139	<0.01	<10	<50	<5	130
*Dup 55139	<0.01	<10	<50	<5	129
55140	<0.01	<10	<50	<5	89
*Rep 55092	<0.01	<10	<50	<5	<10
*Rep 55132	<0.01	<10	<50	<5	93

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**Certificate of Analysis**  
**Work Order : SU1600893**  
**[Report File No.: 000008086]**

Date: October 18, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: Authier Lithium  
 Project No.: -  
 Samples: 70  
 Received: Oct 11, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
66	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson Facility

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600893 Order: Authier Lithium

Report File No.: 0000008086

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55141	0.020	8.94	<30	28	189	<0.1	<10	14
55142	4.022	7.99	<30	<10	74	0.1	<10	<10
55143	4.068	7.86	<30	<10	80	0.2	<10	<10
55144	4.121	8.28	<30	41	96	0.1	<10	<10
55145	4.130	8.28	<30	<10	144	<0.1	<10	<10
55146	3.982	7.97	<30	<10	199	0.1	<10	<10
55147	4.107	7.89	<30	<10	133	<0.1	<10	<10
55148	4.170	8.04	<30	<10	208	<0.1	<10	<10
55149	4.001	8.36	<30	29	167	<0.1	<10	<10
55150	3.937	7.48	<30	15	124	1.4	<10	18
55151	4.027	3.79	<30	14	9	4.5	<10	86
55152	4.213	3.76	<30	<10	5	4.6	<10	89
55153	4.321	3.53	<30	<10	<5	4.7	<10	89
55154	0.227	0.16	<30	84	<5	<0.1	<10	<10
55155	4.591	3.23	<30	<10	<5	4.7	<10	87
55156	0.196	0.11	<30	84	<5	<0.1	<10	<10
55157	3.753	3.56	<30	<10	8	4.9	<10	86
55158	4.862	3.86	<30	<10	9	4.5	<10	86
55159	4.592	3.89	<30	<10	10	4.7	<10	85
55160	3.451	3.24	<30	65	17	5.4	<10	78
55161	3.787	7.61	<30	19	100	1.6	<10	14
55162	3.927	7.98	<30	22	151	0.1	<10	<10
55163	4.124	8.19	<30	37	116	0.1	<10	<10
55164	3.991	8.39	<30	<10	163	0.1	<10	<10
55165	3.740	8.58	<30	16	54	<0.1	<10	<10
55166	3.906	8.10	<30	10	203	0.1	<10	<10
55167	3.925	7.97	<30	<10	181	0.2	<10	<10
55168	0.021	8.75	<30	28	188	<0.1	<10	13
55169	3.995	8.20	<30	<10	167	0.1	<10	<10
55170	4.023	8.03	<30	<10	129	0.2	<10	<10
55171	3.928	8.19	<30	<10	99	0.1	<10	<10
55172	3.958	7.98	<30	<10	172	0.1	<10	<10
55173	4.287	8.33	<30	43	196	0.1	<10	<10
55174	4.084	8.47	<30	11	107	0.1	<10	<10
*Dup 55174	<0.001	8.80	<30	13	100	0.1	<10	<10
55175	4.108	8.44	<30	<10	108	0.1	<10	<10
55176	4.241	8.14	<30	<10	108	0.1	<10	<10
55177	4.108	8.10	<30	<10	59	0.1	<10	<10
55178	0.233	0.13	<30	84	<5	<0.1	<10	<10
55179	3.834	8.48	<30	12	400	0.1	<10	<10

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Final : SU1600893 Order: Authier Lithium

Report File No.: 0000008086

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55180	4.053	8.02	<30	13	208	0.1	<10	<10
55181	4.066	8.32	<30	44	263	0.2	<10	<10
55182	3.893	8.17	<30	<10	94	0.2	<10	<10
55183	3.968	8.21	<30	10	72	0.1	<10	<10
55184	4.198	8.04	<30	<10	88	<0.1	<10	<10
55185	4.072	8.36	<30	34	89	0.1	<10	<10
55186	0.019	8.05	<30	13	124	0.1	<10	<10
55187	4.048	8.46	<30	12	172	0.1	<10	<10
55188	3.806	9.06	<30	14	112	0.1	<10	<10
55189	3.925	8.34	<30	<10	120	0.1	<10	<10
55190	4.120	8.62	<30	19	70	0.1	<10	<10
55191	3.978	7.26	<30	38	72	<0.1	<10	<10
55192	3.982	7.99	<30	69	57	1.0	<10	20
55193	4.537	4.43	<30	22	18	4.7	<10	85
55194	4.159	3.74	<30	<10	10	5.4	<10	80
55195	4.081	4.05	<30	<10	9	5.0	<10	83
55196	4.363	4.41	<30	<10	8	4.7	<10	85
55197	0.241	0.16	<30	82	<5	<0.1	<10	<10
55198	4.385	4.18	<30	<10	8	4.7	<10	86
55199	4.355	3.83	<30	<10	8	5.1	<10	82
55200	4.294	4.47	<30	<10	11	4.5	<10	85
55201	4.284	5.42	<30	91	73	3.6	<10	55
55202	3.962	8.55	<30	20	87	0.1	<10	<10
55203	3.916	8.00	<30	22	16	<0.1	<10	<10
55204	3.581	8.13	<30	22	32	<0.1	<10	<10
55205	0.022	8.92	<30	27	194	<0.1	<10	15
55206	3.902	8.06	<30	45	325	<0.1	<10	<10
55207	3.463	8.79	<30	32	50	0.1	<10	<10
55208	3.727	8.30	<30	38	24	<0.1	<10	<10
55209	3.566	7.62	<30	65	61	0.1	<10	<10
*Dup 55209	<0.001	7.89	<30	59	55	0.1	<10	<10
55210	3.643	8.07	<30	18	84	<0.1	<10	<10
*Rep 55154		0.17	<30	78	<5	<0.1	<10	<10
*Rep 55176		8.21	<30	<10	105	0.1	<10	<10
*Std NBS183		12.9	<30	19	39	<0.1	<10	<10
*Std RTS-3A		5.21	<30	114	<5	2.1	<10	133
*Std SY-4		11.1	<30	344	<5	5.7	<10	<10
*Std NIST97B		20.5	<30	158	<5	<0.1	<10	<10
*Blk BLANK		<0.01	<30	14	<5	<0.1	<10	<10

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Final : SU1600893 Order: Authier Lithium

Report File No.: 0000008086

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55141	18	14	1.09	0.9	<10	14161	0.03	743
55142	46	<10	0.61	2.7	<10	5567	0.04	728
55143	30	<10	0.76	1.7	<10	6222	0.03	844
55144	40	<10	0.58	2.1	<10	4748	0.03	916
55145	27	<10	0.70	2.1	<10	8179	0.02	1001
55146	36	<10	0.60	2.8	<10	6802	0.02	675
55147	32	<10	0.69	2.2	<10	7737	0.02	856
55148	51	<10	0.69	1.3	<10	10066	0.02	880
55149	22	<10	0.50	2.0	<10	2549	0.02	921
55150	377	<10	2.06	0.8	<10	154	2.88	1584
55151	2522	29	7.99	0.2	<10	104	14.8	1761
55152	2450	50	8.48	<0.1	<10	15	15.1	1312
55153	2369	63	8.03	<0.1	<10	11	15.2	1289
55154	38	<10	0.17	<0.1	<10	<10	0.24	22
55155	2320	60	7.79	<0.1	<10	<10	15.3	1354
55156	<10	<10	0.06	<0.1	<10	<10	0.06	<10
55157	2263	86	7.64	<0.1	<10	31	14.5	1228
55158	2430	84	7.93	<0.1	<10	54	14.1	1304
55159	2415	97	7.56	0.1	<10	62	14.4	1306
55160	2028	70	6.59	0.8	<10	262	13.6	1374
55161	273	<10	1.84	0.1	<10	46	2.12	646
55162	31	<10	0.61	1.5	<10	1630	0.07	584
55163	35	<10	0.74	2.5	<10	6257	0.03	536
55164	39	<10	0.75	2.5	<10	9393	0.02	660
55165	32	<10	0.38	7.2	<10	1810	0.01	230
55166	34	<10	0.63	3.3	<10	6790	0.01	562
55167	35	<10	0.66	2.4	<10	6080	0.01	624
55168	19	<10	1.09	0.9	<10	13732	0.03	751
55169	40	<10	0.59	2.6	<10	6412	0.01	563
55170	36	<10	0.68	2.4	<10	6971	0.01	640
55171	38	<10	0.68	2.8	<10	5954	0.02	608
55172	24	<10	0.63	2.2	<10	6422	<0.01	783
55173	45	<10	0.72	3.4	<10	7580	0.03	651
55174	36	<10	0.85	2.4	<10	8139	0.02	726
*Dup 55174	35	<10	0.79	2.5	<10	8550	0.02	714
55175	55	<10	0.85	1.3	<10	11084	0.01	791
55176	39	<10	0.67	1.8	<10	5983	0.01	646
55177	54	<10	0.66	2.1	<10	6801	0.01	753
55178	<10	<10	0.05	<0.1	<10	10	0.03	<10
55179	57	<10	0.75	2.0	<10	10088	0.02	761

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Final : SU1600893 Order: Authier Lithium

Report File No.: 000008086

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55180	40	<10	0.65	2.5	<10	7110	0.02	877
55181	45	<10	0.63	2.5	<10	6780	0.04	671
55182	26	12	0.55	2.1	<10	2671	0.01	597
55183	56	<10	0.70	2.3	<10	6817	0.02	805
55184	52	<10	0.80	2.3	<10	10861	<0.01	879
55185	59	<10	0.77	2.4	<10	7541	0.05	726
55186	22	<10	0.88	2.0	<10	3030	0.02	1331
55187	36	<10	0.71	1.6	<10	8843	0.01	746
55188	51	<10	0.62	4.3	<10	7067	0.01	702
55189	28	11	0.57	2.5	<10	4059	0.01	811
55190	51	<10	0.60	2.3	<10	5404	0.02	654
55191	50	<10	0.89	3.6	<10	6128	0.08	455
55192	515	<10	2.07	1.9	<10	3453	2.71	1134
55193	2209	53	6.70	1.1	<10	421	13.6	1546
55194	2059	126	7.42	<0.1	<10	53	14.3	1508
55195	2195	88	7.81	<0.1	<10	43	14.6	1472
55196	2328	56	8.09	<0.1	<10	37	14.7	1437
55197	27	<10	0.16	<0.1	<10	<10	0.15	20
55198	2348	88	8.04	<0.1	<10	51	14.5	1340
55199	2099	104	7.65	<0.1	<10	44	14.1	1295
55200	2470	42	8.18	0.1	<10	98	14.4	1514
55201	1462	<10	5.60	2.5	<10	1560	9.29	1172
55202	53	<10	0.62	1.8	<10	5287	0.04	739
55203	40	<10	0.82	3.3	<10	4328	0.05	671
55204	76	<10	0.81	2.8	<10	7168	0.03	1027
55205	23	13	1.08	0.9	<10	14328	0.03	762
55206	43	<10	0.79	3.8	<10	5758	0.03	493
55207	39	<10	0.49	4.8	<10	1655	0.03	379
55208	44	<10	0.97	2.7	<10	8767	0.03	896
55209	57	<10	0.76	2.3	<10	5786	0.05	854
*Dup 55209	65	<10	0.74	2.3	<10	5650	0.04	853
55210	45	<10	0.80	3.0	<10	8211	0.02	664
*Rep 55154	38	<10	0.16	<0.1	<10	<10	0.24	23
*Rep 55176	34	<10	0.67	1.8	<10	5961	0.01	663
*Std NBS183	14	<10	0.10	6.7	<10	18879	<0.01	923
*Std RTS-3A	197	2490	21.1	0.5	<10	19	2.45	1639
*Std SY-4	18	<10	4.58	1.5	55	45	0.32	857
*Std NIST97B	223	19	0.87	0.5	19	526	0.11	49
*BIK BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600893 Order: Authier Lithium

Report File No.: 0000008086

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55141	<10	<10	<0.01	<20	<50	<5	<50	34
55142	<10	<10	0.01	30	<50	<5	<50	28
55143	<10	<10	<0.01	28	<50	<5	<50	25
55144	<10	<10	0.01	27	<50	<5	<50	32
55145	<10	<10	0.01	27	<50	<5	<50	25
55146	<10	<10	0.01	32	<50	<5	<50	34
55147	<10	<10	0.01	24	<50	<5	<50	28
55148	<10	<10	0.01	20	<50	<5	<50	22
55149	<10	<10	0.01	29	<50	<5	<50	33
55150	<10	209	0.03	39	<50	<5	<50	69
55151	<10	1132	0.02	<20	<50	23	<50	39
55152	<10	1138	0.02	<20	<50	25	<50	36
55153	<10	1179	0.02	<20	<50	23	<50	29
55154	<10	14	<0.01	28	<50	<5	<50	27
55155	<10	1277	0.02	<20	<50	21	<50	34
55156	<10	<10	<0.01	33	<50	<5	<50	27
55157	<10	1076	0.02	31	<50	23	<50	41
55158	<10	1149	0.02	<20	<50	24	<50	37
55159	<10	1115	0.02	26	<50	24	<50	39
55160	<10	1112	0.02	<20	<50	19	<50	51
55161	<10	154	0.03	50	<50	<5	<50	106
55162	<10	<10	0.02	<20	<50	<5	<50	28
55163	<10	<10	0.02	23	<50	<5	<50	45
55164	<10	<10	0.02	27	<50	<5	<50	34
55165	<10	<10	0.02	42	<50	<5	<50	62
55166	<10	<10	0.02	31	<50	<5	<50	41
55167	<10	<10	0.03	30	<50	<5	<50	35
55168	<10	<10	0.01	24	<50	<5	<50	33
55169	<10	<10	0.02	29	<50	<5	<50	33
55170	<10	<10	0.04	29	<50	<5	<50	30
55171	<10	<10	0.02	33	<50	<5	<50	35
55172	<10	<10	0.02	25	<50	<5	<50	32
55173	<10	<10	0.03	36	<50	<5	<50	42
55174	16	<10	0.02	22	<50	<5	<50	33
*Dup 55174	<10	<10	0.02	30	<50	<5	<50	33
55175	<10	<10	0.02	<20	<50	<5	<50	25
55176	<10	<10	0.02	23	<50	<5	<50	27
55177	<10	<10	0.02	31	<50	<5	<50	34
55178	<10	<10	<0.01	32	<50	<5	<50	25
55179	<10	<10	0.02	25	<50	<5	<50	34

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Report File No.: 000008086

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55180	<10	<10	0.02	27	<50	<5	<50	44
55181	<10	<10	0.02	22	<50	<5	<50	46
55182	<10	<10	0.02	26	<50	<5	<50	31
55183	<10	<10	0.02	22	<50	<5	<50	32
55184	<10	<10	0.01	25	<50	<5	<50	28
55185	<10	<10	0.01	23	<50	<5	<50	29
55186	<10	13	0.01	32	<50	<5	<50	31
55187	<10	<10	0.02	26	<50	<5	<50	26
55188	<10	<10	0.02	42	<50	<5	<50	45
55189	<10	<10	0.02	34	<50	<5	<50	32
55190	<10	<10	0.01	26	<50	<5	<50	38
55191	<10	<10	0.01	37	<50	<5	<50	44
55192	<10	209	0.02	23	<50	5	<50	95
55193	<10	1064	0.02	35	<50	24	<50	29
55194	<10	1145	0.02	<20	<50	21	<50	22
55195	<10	1122	0.02	<20	<50	23	<50	19
55196	<10	1046	0.02	<20	<50	26	<50	14
55197	<10	<10	<0.01	32	<50	<5	<50	28
55198	<10	1119	0.02	<20	<50	25	<50	18
55199	<10	997	0.02	36	<50	22	<50	19
55200	<10	1021	0.02	<20	<50	27	<50	20
55201	<10	872	0.02	<20	<50	16	<50	76
55202	<10	<10	0.01	31	<50	<5	<50	43
55203	21	<10	0.01	31	<50	<5	<50	32
55204	17	<10	<0.01	28	<50	<5	<50	35
55205	<10	<10	0.01	24	<50	<5	<50	34
55206	24	<10	<0.01	29	<50	<5	<50	41
55207	29	<10	<0.01	32	<50	<5	<50	41
55208	<10	<10	<0.01	24	<50	<5	<50	41
55209	26	<10	<0.01	26	<50	<5	<50	44
*Dup 55209	30	<10	<0.01	27	<50	<5	<50	44
55210	14	<10	<0.01	30	<50	<5	<50	34
*Rep 55154	<10	12	<0.01	27	<50	<5	<50	26
*Rep 55176	<10	<10	0.02	25	<50	<5	<50	27
*Std NBS183	<10	<10	0.01	<20	<50	<5	327	354
*Std RTS-3A	<10	60	0.07	225	<50	15	258	53
*Std SY-4	<10	<10	0.06	<20	<50	<5	<50	1242
*Std NIST97B	11	26	0.03	30	<50	19	<50	87
*Bik BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600893 Order: Authier Lithium

Report File No.: 0000008086

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55141	<0.01	<10	<50	<5	113
55142	<0.01	<10	<50	<5	106
55143	<0.01	<10	<50	<5	101
55144	<0.01	<10	<50	<5	68
55145	<0.01	<10	<50	<5	128
55146	<0.01	<10	<50	<5	125
55147	<0.01	<10	<50	<5	105
55148	<0.01	<10	<50	<5	156
55149	<0.01	<10	<50	<5	60
55150	0.03	21	<50	<5	244
55151	0.21	151	<50	6	101
55152	0.22	156	<50	8	59
55153	0.20	144	<50	7	58
55154	0.02	<10	<50	<5	<10
55155	0.19	133	<50	6	61
55156	0.02	<10	<50	<5	<10
55157	0.20	137	<50	6	68
55158	0.20	161	<50	7	70
55159	0.20	154	<50	6	64
55160	0.17	119	<50	7	62
55161	0.02	16	<50	<5	201
55162	<0.01	<10	<50	<5	53
55163	<0.01	<10	<50	<5	58
55164	<0.01	<10	<50	<5	112
55165	<0.01	<10	<50	<5	237
55166	<0.01	<10	<50	<5	114
55167	<0.01	<10	<50	<5	197
55168	<0.01	<10	<50	<5	113
55169	<0.01	<10	<50	<5	67
55170	<0.01	<10	<50	<5	163
55171	<0.01	<10	<50	<5	96
55172	<0.01	<10	<50	<5	68
55173	<0.01	<10	<50	<5	121
55174	<0.01	<10	<50	<5	86
*Dup 55174	<0.01	<10	<50	<5	92
55175	<0.01	<10	<50	<5	76
55176	<0.01	<10	<50	<5	88
55177	<0.01	<10	<50	<5	107
55178	0.02	<10	<50	<5	<10
55179	<0.01	<10	<50	<5	95

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Final : SU1600893 Order: Authier Lithium

Report File No.: 0000008086

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55180	<0.01	<10	<50	<5	143
55181	<0.01	<10	<50	<5	944
55182	<0.01	<10	<50	<5	132
55183	<0.01	<10	<50	<5	112
55184	<0.01	<10	<50	<5	191
55185	<0.01	<10	<50	<5	129
55186	<0.01	<10	<50	<5	57
55187	<0.01	<10	<50	<5	80
55188	<0.01	<10	<50	<5	80
55189	<0.01	<10	<50	<5	72
55190	<0.01	<10	<50	<5	53
55191	<0.01	<10	<50	<5	117
55192	0.04	29	<50	<5	233
55193	0.21	147	<50	6	93
55194	0.18	130	<50	6	65
55195	0.20	146	<50	6	58
55196	0.22	155	<50	7	64
55197	0.02	<10	<50	<5	17
55198	0.22	147	<50	7	62
55199	0.20	131	<50	6	68
55200	0.23	174	<50	7	75
55201	0.13	94	<50	<5	114
55202	<0.01	<10	<50	<5	166
55203	<0.01	<10	<50	<5	81
55204	<0.01	<10	<50	6	47
55205	<0.01	<10	<50	<5	114
55206	<0.01	<10	<50	<5	44
55207	<0.01	<10	<50	<5	37
55208	<0.01	<10	<50	<5	65
55209	<0.01	<10	<50	<5	113
*Dup 55209	<0.01	<10	<50	<5	122
55210	<0.01	<10	<50	<5	77
*Rep 55154	0.02	<10	<50	<5	<10
*Rep 55176	<0.01	<10	<50	<5	90
*Std NBS183	<0.01	<10	<50	<5	26
*Std RTS-3A	0.39	129	<50	16	3099
*Std SY-4	0.18	12	<50	124	104
*Std NIST97B	1.38	237	<50	34	79
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600894**  
**[Report File No.: 000008138]**

Date: October 24, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Oct 11, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
67	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600894 Order:

Report File No.: 0000008138

Element Method DetLim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55211	4.427	8.38	<30	41	16	0.1	<10	<10
55212	3.848	8.26	<30	23	73	0.1	<10	<10
55213	2.662	7.83	<30	37	78	0.3	<10	<10
55214	2.838	8.06	<30	42	98	0.1	<10	<10
55215	3.931	8.31	<30	37	53	2.9	<10	<10
55216	3.495	7.84	<30	49	49	3.1	<10	22
55217	2.687	4.95	<30	145	25	4.3	<10	68
55218	0.233	0.13	<30	87	<5	0.2	<10	10
55219	3.385	3.16	<30	32	11	5.9	<10	79
55220	3.670	2.41	<30	<10	11	7.6	<10	79
55221	4.405	3.97	<30	<10	6	5.2	<10	86
55222	0.163	0.05	<30	83	<5	0.3	<10	10
55223	4.784	5.40	<30	444	49	5.0	<10	66
55224	4.564	5.50	<30	338	21	9.1	<10	65
55225	4.702	4.45	<30	63	21	9.3	<10	52
55226	3.881	8.59	<30	31	146	0.2	<10	<10
55227	0.018	8.02	<30	17	123	0.2	<10	<10
55228	4.026	8.04	<30	19	179	0.1	<10	<10
55229	4.165	8.33	<30	33	207	0.2	<10	<10
55230	3.791	8.04	<30	15	100	0.1	<10	<10
55231	4.020	8.13	<30	20	176	0.3	<10	11
55232	4.142	8.46	<30	97	133	0.1	<10	<10
55233	4.066	8.46	<30	23	184	0.2	<10	<10
55234	3.918	8.41	<30	46	82	0.2	<10	<10
55235	0.099	0.07	<30	80	<5	<0.1	<10	<10
55236	4.093	8.26	<30	100	80	0.1	<10	<10
55237	3.758	8.45	<30	108	131	0.2	<10	<10
55238	3.999	8.03	<30	69	123	0.1	<10	<10
55239	4.237	8.62	<30	174	147	0.1	<10	<10
55240	4.170	8.50	<30	206	190	0.1	<10	<10
55241	3.521	8.03	<30	232	130	0.1	<10	<10
55242	3.992	8.24	<30	78	158	0.2	<10	<10
55243	4.150	8.22	<30	48	159	0.1	<10	<10
55244	3.907	8.11	<30	224	54	0.2	<10	<10
*Dup 55244	<0.001	8.21	<30	234	53	0.1	<10	<10
55245	4.457	8.16	<30	310	53	0.1	<10	<10
55246	0.018	9.01	<30	36	184	<0.1	<10	20
55247	4.269	7.92	<30	121	12	0.1	<10	<10
55248	4.084	7.08	<30	34	45	0.1	<10	<10
55249	4.291	7.99	<30	33	127	0.1	<10	<10

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Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55250	4.193	8.15	<30	30	93	0.1	<10	<10
55251	4.284	8.24	<30	20	113	0.2	<10	<10
55252	4.300	7.59	<30	23	7	0.1	<10	<10
55253	4.333	7.79	<30	33	35	0.2	<10	<10
55254	4.457	8.31	<30	27	27	0.2	<10	<10
55255	4.029	8.88	<30	42	35	0.2	<10	<10
55256	3.999	10.2	<30	19	15	0.3	<10	<10
55257	0.135	0.10	<30	81	<5	<0.1	<10	11
55258	4.311	8.09	<30	77	21	0.2	<10	<10
55259	4.326	7.74	<30	19	47	0.2	<10	<10
55260	3.971	7.40	<30	18	83	0.2	<10	<10
55261	4.023	7.57	<30	18	98	0.1	<10	<10
55262	4.290	8.26	<30	24	91	0.2	<10	<10
55263	4.162	8.60	<30	58	188	0.1	<10	<10
55264	4.003	8.38	<30	34	45	0.2	<10	<10
55265	4.304	8.35	<30	34	111	0.2	<10	<10
55266	3.833	8.67	<30	53	139	0.2	<10	<10
55267	0.017	8.93	<30	31	181	<0.1	<10	17
55268	4.216	8.34	<30	44	167	0.2	<10	<10
55269	4.369	8.36	<30	56	87	0.2	<10	<10
55270	3.925	8.12	<30	205	146	0.2	<10	<10
55271	4.204	8.33	<30	43	135	0.2	<10	<10
55272	4.238	8.41	<30	72	206	0.2	<10	<10
55273	3.846	8.69	<30	39	58	0.1	<10	<10
55274	4.527	8.14	<30	35	49	0.1	<10	<10
55275	3.724	8.12	<30	23	193	0.1	<10	<10
55276	4.073	7.91	<30	251	83	0.2	<10	<10
55277	4.071	7.96	<30	225	129	0.1	<10	<10
55278	4.914	8.01	<30	68	107	0.1	<10	<10
55279	4.128	8.44	<30	15	298	0.2	<10	<10
*Dup 55279	<0.001	8.19	<30	15	276	0.2	<10	<10
55280	4.093	8.62	<30	101	293	0.2	<10	<10
*Rep 55239		8.25	<30	180	155	0.1	<10	<10
*Rep 55253		8.15	<30	33	36	0.2	<10	<10
*Std NBS183		13.2	<30	26	42	<0.1	<10	<10
*Std SY-4		11.1	<30	385	<5	5.8	<10	<10
*Std NIST97B		20.8	<30	168	<5	<0.1	<10	<10
*Blk BLANK		0.01	<30	<10	<5	<0.1	<10	<10

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Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55211	39	<10	0.73	4.1	<10	5584	0.02	327
55212	27	<10	0.77	2.5	<10	5263	0.02	681
55213	28	<10	0.51	1.0	<10	284	0.20	284
55214	42	<10	0.62	0.2	<10	411	0.08	428
55215	20	<10	1.32	0.1	<10	80	0.46	1226
55216	392	<10	2.32	0.5	<10	153	3.08	1041
55217	1721	<10	6.06	1.9	<10	597	11.4	1512
55218	<10	<10	0.06	<0.1	<10	<10	0.04	<10
55219	1677	51	6.34	0.4	<10	267	14.2	1468
55220	1528	169	5.83	<0.1	<10	58	14.1	1447
55221	2004	59	6.92	<0.1	<10	99	15.2	1228
55222	<10	<10	0.04	<0.1	<10	31	0.05	<10
55223	1535	16	7.26	2.3	10	892	11.7	1366
55224	920	76	8.68	0.7	23	487	10.3	1332
55225	1348	10	5.77	0.3	15	214	9.58	1058
55226	27	<10	0.65	3.0	<10	4454	0.03	635
55227	21	<10	0.86	2.0	<10	2982	0.02	1355
55228	48	<10	0.53	3.3	<10	7781	0.02	644
55229	42	<10	0.75	2.6	<10	9947	0.03	737
55230	70	<10	0.72	2.3	<10	9914	0.02	723
55231	143	<10	0.89	2.8	<10	7395	0.59	735
55232	44	<10	0.57	4.3	<10	5596	0.06	493
55233	41	<10	0.65	1.8	<10	5331	0.02	684
55234	49	<10	0.51	1.1	<10	3159	0.03	999
55235	<10	<10	0.03	<0.1	<10	<10	0.02	<10
55236	45	<10	0.61	3.0	<10	4386	0.05	969
55237	30	<10	0.58	2.0	<10	4904	0.05	543
55238	65	<10	0.60	2.8	<10	6556	0.04	636
55239	42	<10	0.90	3.0	<10	6677	0.16	685
55240	49	<10	0.72	3.9	<10	646	0.17	323
55241	37	<10	0.81	2.9	<10	3126	0.22	506
55242	49	<10	0.57	2.5	<10	3887	0.03	552
55243	43	<10	0.63	2.1	<10	6878	0.02	642
55244	55	<10	0.59	3.8	<10	1692	0.06	319
*Dup 55244	48	<10	0.60	3.9	<10	1744	0.07	338
55245	28	<10	0.34	4.6	<10	77	0.03	81
55246	24	25	1.06	0.9	<10	14068	0.03	755
55247	48	31	0.44	3.8	<10	347	0.03	326
55248	35	<10	0.61	2.5	<10	3935	0.02	810
55249	88	<10	0.85	2.5	<10	8936	0.03	751

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Final : SU1600894 Order:  
Report File No.: 0000008138

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55250	38	<10	0.68	2.6	<10	6697	0.01	552
55251	45	<10	0.61	2.0	<10	4846	0.02	1066
55252	92	<10	0.82	3.0	<10	3181	0.02	1173
55253	52	<10	0.70	3.0	<10	5996	0.02	626
55254	28	<10	0.63	3.1	<10	6362	0.02	701
55255	57	<10	0.74	2.4	<10	6854	0.02	788
55256	12	<10	0.36	0.3	<10	37	0.02	375
55257	<10	<10	0.04	<0.1	<10	25	0.02	<10
55258	30	<10	0.73	2.9	<10	3095	0.07	782
55259	52	<10	0.62	2.4	<10	5315	0.01	653
55260	35	<10	0.54	2.1	<10	2765	0.01	1310
55261	41	<10	0.65	2.7	<10	3886	0.01	959
55262	42	<10	0.55	1.7	<10	6975	<0.01	923
55263	50	<10	0.57	2.6	<10	5790	0.04	673
55264	26	12	0.51	2.5	<10	3252	0.01	911
55265	42	<10	0.59	2.8	<10	6405	0.01	791
55266	42	<10	0.61	3.4	<10	6087	0.02	749
55267	19	13	1.05	0.9	<10	14219	0.03	761
55268	24	<10	0.45	2.5	<10	3441	0.03	847
55269	47	<10	0.57	2.7	<10	5270	0.03	723
55270	40	<10	0.66	3.2	<10	6863	0.05	688
55271	34	<10	0.59	3.1	<10	6076	0.02	650
55272	70	<10	0.56	3.7	<10	4676	0.03	491
55273	24	<10	0.33	3.2	<10	2158	0.01	273
55274	37	<10	0.37	3.3	<10	2314	0.02	542
55275	45	<10	0.72	1.3	<10	9435	0.01	1023
55276	43	<10	0.97	2.7	<10	5515	0.17	598
55277	35	11	0.93	2.6	<10	6817	0.11	662
55278	63	<10	0.81	2.1	<10	10440	0.09	726
55279	41	<10	0.94	1.5	<10	11725	0.02	1115
*Dup 55279	43	<10	0.89	1.5	<10	11081	0.02	1137
55280	45	<10	0.69	3.1	<10	3677	0.09	693
*Rep 55239	41	<10	0.88	2.9	<10	6404	0.15	626
*Rep 55253	63	<10	0.70	3.0	<10	6426	0.02	648
*Std NBS183	18	<10	0.10	6.9	<10	18954	<0.01	925
*Std SY-4	13	<10	4.47	1.5	57	41	0.32	860
*Std NIST97B	217	21	0.83	0.5	21	540	0.11	43
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600894 Order:  
Report File No.: 0000008138

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55211	<10	<10	<0.01	49	<50	<5	<50	45
55212	12	<10	0.01	42	<50	<5	<50	33
55213	<10	13	<0.01	36	<50	<5	<50	36
55214	14	<10	<0.01	35	<50	<5	<50	37
55215	11	<10	0.01	29	<50	<5	<50	65
55216	<10	189	0.03	41	<50	<5	<50	341
55217	<10	905	0.02	266	<50	21	<50	252
55218	<10	11	<0.01	53	<50	<5	<50	28
55219	<10	1288	0.01	27	<50	19	<50	47
55220	<10	1288	0.02	50	<50	14	<50	52
55221	<10	1168	0.01	23	<50	22	<50	47
55222	<10	<10	<0.01	51	<50	<5	<50	21
55223	<10	673	0.17	25	<50	23	<50	232
55224	<10	385	0.25	26	<50	41	<50	224
55225	<10	218	0.08	25	<50	42	<50	209
55226	<10	<10	0.02	41	<50	<5	<50	36
55227	<10	<10	0.01	44	<50	<5	<50	31
55228	<10	<10	0.02	39	<50	<5	<50	39
55229	18	<10	0.02	40	<50	<5	<50	37
55230	<10	<10	0.01	44	<50	<5	<50	33
55231	<10	47	0.02	41	<50	<5	<50	34
55232	30	<10	0.02	42	<50	<5	<50	60
55233	<10	<10	0.03	40	<50	<5	<50	33
55234	<10	<10	0.01	40	<50	<5	<50	27
55235	<10	<10	<0.01	51	<50	<5	<50	20
55236	<10	<10	0.01	41	<50	<5	<50	50
55237	<10	<10	0.02	35	<50	<5	<50	45
55238	<10	<10	0.01	50	<50	<5	<50	49
55239	14	<10	<0.01	35	<50	<5	<50	58
55240	<10	14	0.01	40	<50	<5	<50	52
55241	<10	<10	0.01	37	<50	<5	<50	53
55242	13	<10	0.01	42	<50	<5	<50	40
55243	<10	<10	<0.01	42	<50	<5	<50	38
55244	<10	<10	0.01	45	<50	<5	<50	50
*Dup 55244	<10	<10	0.01	40	<50	<5	<50	51
55245	<10	<10	<0.01	46	<50	<5	<50	50
55246	<10	<10	<0.01	38	<50	<5	<50	37
55247	<10	<10	<0.01	111	<50	<5	<50	41
55248	<10	<10	<0.01	43	<50	<5	<50	33
55249	<10	<10	<0.01	43	<50	<5	<50	39

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Final : SU1600894 Order:  
Report File No.: 0000008138

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55250	<10	<10	<0.01	45	<50	<5	<50	41
55251	11	<10	<0.01	38	<50	<5	<50	33
55252	<10	10	<0.01	42	<50	<5	<50	37
55253	<10	<10	<0.01	45	<50	<5	<50	43
55254	<10	<10	<0.01	43	<50	<5	<50	43
55255	<10	<10	0.01	53	<50	<5	<50	52
55256	13	<10	<0.01	24	<50	<5	<50	27
55257	<10	<10	<0.01	51	<50	<5	<50	25
55258	10	<10	<0.01	44	<50	<5	<50	38
55259	11	<10	<0.01	45	<50	<5	<50	31
55260	88	<10	<0.01	45	<50	<5	<50	32
55261	203	<10	<0.01	46	<50	<5	<50	35
55262	16	<10	<0.01	46	<50	<5	<50	29
55263	30	<10	<0.01	44	<50	<5	<50	41
55264	<10	<10	0.01	58	<50	<5	<50	39
55265	<10	<10	0.02	45	<50	<5	<50	46
55266	13	<10	0.01	51	<50	<5	<50	55
55267	<10	<10	<0.01	40	<50	<5	<50	31
55268	32	<10	0.01	68	<50	<5	<50	37
55269	<10	<10	0.02	50	<50	<5	<50	43
55270	11	<10	0.01	50	<50	<5	<50	72
55271	14	11	0.01	47	<50	<5	<50	45
55272	<10	<10	0.01	50	<50	<5	<50	55
55273	<10	<10	0.02	28	<50	<5	<50	41
55274	<10	<10	<0.01	62	<50	<5	<50	39
55275	<10	<10	<0.01	39	<50	<5	<50	31
55276	10	17	<0.01	44	<50	<5	<50	59
55277	41	11	<0.01	43	<50	<5	<50	51
55278	16	<10	<0.01	38	<50	<5	<50	44
55279	<10	<10	0.02	50	<50	<5	<50	31
*Dup 55279	<10	<10	0.02	42	<50	<5	<50	32
55280	<10	<10	0.02	67	<50	<5	<50	43
*Rep 55239	23	<10	<0.01	44	<50	<5	<50	57
*Rep 55253	<10	<10	0.01	42	<50	<5	<50	45
*Std NBS183	<10	<10	0.01	<20	<50	<5	329	353
*Std SY-4	<10	<10	0.06	23	<50	<5	<50	1259
*Std NIST97B	11	33	0.03	39	<50	21	<50	91
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600894 Order:  
Report File No.: 0000008138

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55211	<0.01	<10	<50	<5	35
55212	<0.01	<10	<50	<5	87
55213	<0.01	<10	<50	<5	32
55214	<0.01	<10	<50	<5	59
55215	<0.01	<10	<50	<5	263
55216	0.04	28	<50	<5	250
55217	0.15	124	<50	<5	669
55218	0.02	<10	<50	<5	<10
55219	0.13	100	<50	<5	57
55220	0.12	95	<50	<5	105
55221	0.18	122	<50	<5	75
55222	0.02	<10	<50	<5	<10
55223	0.26	150	<50	11	131
55224	0.57	233	<50	13	93
55225	0.41	161	<50	9	81
55226	<0.01	<10	<50	<5	71
55227	<0.01	<10	<50	<5	58
55228	<0.01	<10	<50	<5	125
55229	<0.01	<10	<50	<5	157
55230	<0.01	<10	<50	<5	79
55231	0.01	<10	<50	<5	98
55232	<0.01	<10	<50	<5	94
55233	<0.01	<10	<50	<5	99
55234	<0.01	<10	<50	<5	73
55235	0.02	<10	<50	<5	<10
55236	<0.01	<10	<50	<5	96
55237	<0.01	<10	<50	<5	76
55238	<0.01	<10	<50	<5	116
55239	<0.01	<10	<50	<5	102
55240	<0.01	<10	<50	<5	59
55241	<0.01	<10	<50	<5	65
55242	<0.01	<10	<50	<5	135
55243	<0.01	<10	<50	<5	88
55244	<0.01	<10	<50	<5	49
*Dup 55244	<0.01	<10	<50	<5	55
55245	<0.01	<10	<50	<5	<10
55246	<0.01	<10	<50	<5	113
55247	<0.01	<10	<50	<5	49
55248	<0.01	<10	<50	<5	131
55249	<0.01	<10	<50	<5	78

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Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55250	<0.01	<10	<50	<5	79
55251	<0.01	<10	<50	<5	132
55252	<0.01	<10	<50	<5	139
55253	<0.01	<10	<50	<5	118
55254	<0.01	<10	<50	<5	131
55255	<0.01	<10	<50	<5	78
55256	<0.01	<10	<50	<5	27
55257	0.02	<10	<50	<5	<10
55258	<0.01	<10	<50	<5	64
55259	<0.01	<10	<50	<5	117
55260	<0.01	<10	<50	6	96
55261	<0.01	<10	<50	<5	86
55262	<0.01	<10	<50	<5	71
55263	<0.01	<10	<50	<5	135
55264	<0.01	<10	<50	<5	143
55265	<0.01	<10	<50	<5	86
55266	<0.01	<10	<50	<5	98
55267	<0.01	<10	<50	<5	112
55268	<0.01	<10	<50	<5	99
55269	<0.01	<10	<50	<5	75
55270	<0.01	<10	<50	<5	97
55271	<0.01	<10	<50	<5	75
55272	<0.01	<10	<50	<5	132
55273	<0.01	<10	<50	<5	22
55274	<0.01	<10	<50	<5	78
55275	<0.01	<10	<50	<5	67
55276	<0.01	<10	<50	<5	71
55277	<0.01	<10	<50	<5	69
55278	<0.01	<10	<50	<5	57
55279	<0.01	<10	<50	<5	79
*Dup 55279	<0.01	<10	<50	<5	106
55280	<0.01	<10	<50	<5	48
*Rep 55239	<0.01	<10	<50	<5	96
*Rep 55253	<0.01	<10	<50	<5	129
*Std NBS183	<0.01	<10	<50	<5	25
*Std SY-4	0.17	<10	<50	121	112
*Std NIST97B	1.41	254	<50	35	77
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600895**  
**[Report File No.: 000008094]**

Date: October 19, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Oct 11, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
67	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600895 Order:

Report File No.: 0000008094

Element	WtKg	Al	As	Ba	Be	Ca	Cd	Co
Method	G_WGH79	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	0.001	0.01	30	10	5	0.1	10	10
Units	kg	%	ppm	ppm	ppm	%	ppm	ppm
55281	4.424	9.46	<30	18	62	0.2	<10	<10
55282	0.122	0.06	<30	77	<5	0.6	<10	<10
55283	3.708	8.75	<30	18	182	0.2	<10	<10
55284	4.288	10.4	<30	20	42	0.2	<10	<10
55285	3.828	11.0	<30	29	21	0.1	<10	10
55286	3.996	7.33	<30	34	14	5.3	<10	38
55287	3.939	3.21	<30	10	8	4.9	<10	82
55288	4.042	4.03	<30	<10	7	4.4	<10	89
55289	0.143	0.07	<30	76	<5	<0.1	<10	<10
55290	4.303	4.22	<30	12	6	4.7	<10	84
55291	4.162	4.44	<30	16	8	4.7	<10	85
55292	0.023	8.28	<30	14	125	0.1	<10	<10
55293	3.742	6.66	<30	73	33	3.5	<10	38
55294	3.980	9.25	<30	35	133	0.2	<10	<10
55295	4.097	8.66	<30	25	99	0.1	<10	<10
55296	4.154	8.59	<30	88	66	0.2	<10	<10
55297	3.852	8.41	<30	89	255	0.2	<10	<10
55298	3.792	8.69	<30	21	274	0.1	<10	<10
55299	4.021	8.42	<30	14	411	0.2	<10	<10
55300	4.119	9.26	<30	32	86	0.2	<10	<10
55301	0.158	0.06	<30	85	<5	<0.1	<10	<10
55302	4.497	4.55	<30	230	38	4.8	<10	66
55303	3.772	7.90	<30	119	62	0.2	<10	<10
55304	4.064	8.06	<30	211	93	<0.1	<10	<10
55305	3.640	8.66	<30	94	73	2.1	<10	26
55306	4.682	3.59	<30	66	13	5.5	<10	75
55307	4.083	4.60	<30	<10	8	4.9	<10	82
55308	4.212	6.73	<30	292	42	4.1	<10	66
55309	5.171	4.29	<30	29	13	5.4	<10	79
55310	4.600	4.26	<30	<10	8	5.1	<10	82
55311	0.017	9.22	<30	34	183	<0.1	<10	17
55312	4.993	3.82	<30	24	6	5.2	<10	80
55313	4.724	3.83	<30	13	6	5.2	<10	79
55314	3.987	4.18	<30	<10	9	5.1	<10	82
*Dup 55314	<0.001	4.15	<30	<10	9	5.0	<10	80
55315	5.026	3.85	<30	<10	8	5.4	<10	82
55316	4.652	5.07	<30	83	34	4.6	<10	64
55317	3.840	8.91	<30	21	113	0.2	<10	<10
55318	4.220	8.51	<30	17	233	<0.1	<10	<10
55319	0.308	0.06	<30	76	<5	<0.1	<10	<10

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Final : SU1600895 Order:  
Report File No.: 0000008094

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55320	4.359	8.18	<30	53	64	<0.1	<10	<10
55321	4.181	8.38	<30	141	24	0.3	<10	<10
55322	4.046	8.33	<30	47	149	0.2	<10	<10
55323	4.344	8.44	<30	11	182	0.1	<10	<10
55324	4.345	8.03	<30	<10	50	<0.1	<10	<10
55325	3.891	8.45	<30	25	92	0.1	<10	<10
55326	4.262	7.89	<30	31	59	<0.1	<10	<10
55327	4.481	8.19	<30	16	87	0.1	<10	<10
55328	3.993	8.27	<30	87	86	0.1	<10	<10
55329	4.044	8.40	<30	21	38	<0.1	<10	<10
55330	4.414	8.85	<30	49	49	<0.1	<10	13
55331	4.255	8.38	<30	33	114	0.1	<10	<10
55332	4.123	8.15	<30	32	18	<0.1	<10	<10
55333	0.015	8.18	<30	18	126	<0.1	<10	<10
55334	3.729	8.08	<30	10	125	<0.1	<10	<10
55335	3.879	7.97	<30	<10	113	<0.1	<10	<10
55336	3.929	8.14	<30	12	145	0.1	<10	<10
55337	0.195	0.06	<30	81	<5	<0.1	<10	<10
55338	4.305	8.05	<30	27	15	<0.1	<10	<10
55339	3.859	8.33	<30	38	54	<0.1	<10	12
55340	3.831	8.33	<30	25	113	0.1	<10	<10
55341	4.017	8.14	<30	20	80	0.1	<10	<10
55342	4.575	8.15	<30	16	146	0.1	<10	<10
55343	4.274	8.32	<30	54	70	0.2	<10	15
55344	4.196	8.00	<30	27	15	<0.1	<10	<10
55345	4.644	8.24	<30	14	58	<0.1	<10	<10
55346	4.328	7.96	<30	38	54	0.1	<10	<10
55347	4.353	7.95	<30	54	34	0.1	<10	<10
55348	3.642	8.50	<30	33	39	<0.1	<10	<10
55349	4.291	10.3	<30	21	37	0.1	<10	<10
*Dup 55349	<0.001	10.5	<30	26	29	0.1	<10	<10
55350	3.812	10.7	<30	25	22	0.2	<10	<10
*Rep 55312		3.86	<30	<10	6	5.3	<10	82
*Rep 55331		8.39	<30	35	115	0.2	<10	<10

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Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55281	20	<10	0.32	1.3	<10	47	0.02	375
55282	<10	<10	0.03	<0.1	<10	12	0.04	<10
55283	36	<10	0.37	1.0	<10	38	0.03	548
55284	<10	<10	0.25	0.2	<10	12	0.03	96
55285	16	<10	0.16	0.2	<10	<10	0.03	49
55286	852	<10	3.64	0.2	<10	149	5.37	1330
55287	1985	72	6.70	<0.1	<10	49	15.1	1369
55288	2174	102	7.53	<0.1	<10	41	15.3	1124
55289	26	<10	0.09	<0.1	<10	<10	0.15	17
55290	2137	71	7.69	<0.1	<10	31	15.0	1297
55291	2176	42	7.59	0.1	<10	75	14.9	1318
55292	23	<10	0.88	1.9	<10	2983	0.02	1279
55293	774	<10	3.66	0.9	<10	229	6.02	956
55294	21	<10	0.50	0.6	<10	1666	0.04	450
55295	41	<10	0.76	1.8	<10	9376	0.05	761
55296	27	<10	0.56	3.0	<10	4684	0.02	689
55297	37	<10	0.62	2.7	<10	4281	0.03	537
55298	35	<10	0.63	2.8	<10	9219	0.02	673
55299	39	<10	0.55	1.6	<10	5854	0.02	642
55300	23	<10	0.40	0.6	<10	1364	0.06	462
55301	11	<10	0.03	<0.1	<10	22	0.02	<10
55302	1669	<10	6.78	2.2	<10	867	11.5	1405
55303	52	<10	0.56	2.0	<10	523	0.18	422
55304	34	<10	0.67	3.0	<10	2939	0.27	403
55305	557	<10	2.73	0.6	<10	371	3.73	815
55306	1832	10	6.34	0.9	<10	450	13.6	1310
55307	2481	<10	6.81	<0.1	<10	192	14.5	1256
55308	1046	18	8.86	3.0	24	1006	11.4	1362
55309	2025	<10	7.03	0.2	<10	210	13.4	1485
55310	2178	115	7.56	<0.1	<10	71	14.2	1463
55311	23	11	1.07	0.9	<10	14205	0.03	693
55312	1995	119	7.07	<0.1	<10	45	14.5	1310
55313	1934	91	7.06	<0.1	<10	40	14.5	1287
55314	2188	41	7.36	<0.1	<10	84	14.2	1352
*Dup 55314	2196	42	7.38	<0.1	<10	82	14.3	1348
55315	2012	98	7.38	<0.1	<10	56	14.4	1360
55316	1672	<10	6.26	1.0	<10	455	11.1	1425
55317	26	<10	0.39	1.1	<10	1116	0.05	780
55318	28	<10	0.69	1.2	<10	6371	0.03	1019
55319	<10	<10	0.03	<0.1	<10	<10	0.02	<10

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Final : SU1600895 Order:

Report File No.: 000008094

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55320	32	<10	0.79	1.2	<10	7849	0.03	1021
55321	28	<10	0.62	2.2	<10	4830	0.06	591
55322	38	<10	0.66	1.7	<10	3620	0.04	592
55323	26	<10	0.56	1.2	<10	4485	0.02	591
55324	50	<10	0.56	2.7	<10	6305	0.02	896
55325	35	<10	0.55	2.5	<10	4315	0.02	613
55326	70	<10	0.83	2.0	<10	9899	0.02	696
55327	28	<10	0.49	2.2	<10	2610	0.02	505
55328	46	<10	0.49	3.2	<10	4217	0.03	652
55329	33	<10	0.66	2.6	<10	5465	0.01	1280
55330	47	<10	0.57	3.2	<10	6068	0.02	648
55331	30	<10	0.49	2.7	<10	4603	0.01	657
55332	40	<10	0.61	3.0	<10	5866	0.01	612
55333	25	<10	0.86	1.9	<10	2994	0.02	1269
55334	185	<10	0.60	2.6	<10	4343	0.01	803
55335	43	<10	0.52	2.7	<10	5694	0.01	578
55336	30	<10	0.62	2.6	<10	4832	0.01	757
55337	<10	<10	0.03	<0.1	<10	<10	0.02	<10
55338	25	<10	0.51	4.4	<10	1448	0.01	538
55339	931	<10	1.04	3.4	<10	4575	0.02	626
55340	29	<10	0.54	3.4	<10	3519	0.01	679
55341	42	<10	0.54	2.2	<10	6098	0.01	784
55342	36	<10	0.68	2.3	<10	8112	0.01	806
55343	1636	11	1.33	2.6	<10	3329	0.02	1122
55344	26	<10	0.57	3.3	<10	2352	0.01	559
55345	312	<10	0.76	2.4	<10	4156	0.01	898
55346	30	<10	0.51	2.3	<10	1431	0.01	869
55347	70	<10	0.57	2.1	<10	2038	0.04	502
55348	29	<10	0.67	0.1	<10	20	0.17	251
55349	19	<10	0.41	<0.1	<10	15	0.09	294
*Dup 55349	17	<10	0.42	<0.1	<10	15	0.09	282
55350	12	<10	0.23	<0.1	<10	<10	0.03	241
*Rep 55312	2015	116	7.15	<0.1	<10	42	14.5	1335
*Rep 55331	32	<10	0.49	2.7	<10	4544	0.01	686

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sr GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55281	<10	<10	0.01	35	<50	<5	<50	22
55282	<10	<10	<0.01	44	<50	<5	<50	20
55283	<10	14	0.01	30	<50	<5	<50	20
55284	<10	<10	0.01	21	<50	<5	<50	28
55285	<10	<10	0.01	22	<50	<5	<50	41
55286	<10	549	0.01	26	<50	8	<50	210
55287	<10	1187	<0.01	45	<50	18	<50	45
55288	<10	1192	0.02	22	<50	22	<50	37
55289	<10	35	<0.01	42	<50	<5	<50	17
55290	<10	1095	0.02	<20	<50	22	<50	29
55291	<10	1078	0.02	<20	<50	24	<50	34
55292	<10	<10	<0.01	67	<50	<5	<50	27
55293	<10	412	0.02	24	<50	8	<50	104
55294	<10	<10	0.02	35	<50	<5	<50	39
55295	<10	<10	0.03	57	<50	<5	<50	33
55296	<10	<10	0.02	69	<50	<5	<50	45
55297	<10	<10	0.01	36	<50	<5	<50	37
55298	<10	<10	0.02	40	<50	<5	<50	35
55299	17	<10	0.02	34	<50	<5	<50	26
55300	<10	<10	0.02	43	<50	<5	<50	56
55301	<10	<10	<0.01	41	<50	<5	<50	18
55302	<10	717	0.02	<20	<50	17	<50	60
55303	<10	<10	<0.01	33	<50	<5	<50	37
55304	<10	<10	0.01	42	<50	<5	<50	50
55305	<10	251	0.04	24	<50	6	<50	103
55306	<10	1082	0.01	<20	<50	20	<50	31
55307	<10	1223	0.02	26	<50	24	<50	26
55308	<10	374	0.11	<20	<50	23	<50	59
55309	<10	989	0.02	<20	<50	21	<50	28
55310	<10	1023	0.02	22	<50	22	<50	22
55311	<10	11	0.01	28	<50	<5	<50	29
55312	<10	1119	0.02	<20	<50	19	<50	24
55313	<10	1054	0.02	22	<50	19	<50	24
55314	<10	1061	0.01	21	<50	22	<50	23
*Dup 55314	<10	1038	0.02	25	<50	22	<50	22
55315	<10	1086	0.02	26	<50	20	<50	21
55316	<10	854	0.05	22	<50	17	<50	105
55317	<10	<10	<0.01	35	<50	<5	<50	29
55318	<10	<10	<0.01	30	<50	<5	<50	19
55319	<10	<10	<0.01	37	<50	<5	<50	18

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55320	<10	<10	0.01	29	<50	<5	<50	27
55321	<10	<10	0.01	32	<50	<5	<50	35
55322	<10	<10	0.04	31	<50	<5	<50	27
55323	<10	<10	0.03	56	<50	<5	<50	22
55324	<10	<10	0.02	39	<50	<5	<50	29
55325	<10	<10	0.02	34	<50	<5	<50	29
55326	<10	<10	<0.01	31	<50	<5	<50	32
55327	<10	<10	0.02	40	<50	<5	<50	28
55328	<10	<10	0.01	54	<50	<5	<50	44
55329	<10	<10	0.02	37	<50	<5	<50	26
55330	<10	<10	0.01	41	<50	<5	<50	38
55331	<10	<10	<0.01	37	<50	<5	<50	35
55332	<10	13	0.01	45	<50	<5	<50	35
55333	<10	<10	0.01	43	<50	<5	<50	27
55334	10	65	<0.01	32	<50	<5	<50	30
55335	<10	<10	0.01	34	<50	<5	<50	28
55336	<10	<10	0.01	38	<50	<5	<50	37
55337	<10	<10	<0.01	41	<50	<5	<50	17
55338	<10	<10	<0.01	40	<50	<5	<50	45
55339	33	356	0.01	40	<50	<5	<50	47
55340	22	<10	<0.01	39	<50	<5	<50	55
55341	14	<10	<0.01	40	<50	<5	<50	35
55342	<10	<10	<0.01	52	<50	<5	<50	39
55343	156	655	<0.01	42	<50	<5	<50	48
55344	<10	<10	<0.01	39	<50	<5	<50	41
55345	13	105	<0.01	34	<50	<5	<50	28
55346	19	<10	0.01	39	<50	<5	<50	31
55347	<10	<10	0.01	34	<50	<5	<50	35
55348	<10	<10	0.01	29	<50	<5	<50	24
55349	<10	<10	<0.01	<20	<50	<5	<50	19
*Dup 55349	<10	<10	<0.01	29	<50	<5	<50	25
55350	<10	<10	<0.01	22	<50	<5	<50	71
*Rep 55312	<10	1163	0.02	<20	<50	20	<50	26
*Rep 55331	<10	<10	0.01	39	<50	<5	<50	36

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Element	Ti	V	W	Y	Zn
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	0.01	10	50	5	10
Units	%	ppm	ppm	ppm	ppm
55281	<0.01	<10	<50	<5	<10
55282	0.02	<10	<50	<5	<10
55283	<0.01	<10	<50	<5	13
55284	<0.01	<10	<50	<5	<10
55285	<0.01	<10	<50	<5	<10
55286	0.07	54	<50	<5	432
55287	0.15	112	<50	5	325
55288	0.20	160	<50	7	66
55289	0.02	<10	<50	<5	11
55290	0.20	137	<50	6	59
55291	0.22	163	<50	7	69
55292	<0.01	<10	<50	<5	79
55293	0.07	48	<50	<5	68
55294	<0.01	<10	<50	<5	72
55295	<0.01	<10	<50	<5	113
55296	<0.01	<10	<50	<5	128
55297	<0.01	<10	<50	<5	94
55298	<0.01	<10	<50	<5	124
55299	<0.01	<10	<50	<5	115
55300	<0.01	<10	<50	<5	137
55301	0.02	<10	<50	<5	<10
55302	0.16	118	<50	5	112
55303	<0.01	<10	<50	<5	56
55304	<0.01	<10	<50	<5	40
55305	0.05	37	<50	<5	159
55306	0.15	122	<50	5	78
55307	0.22	165	<50	7	63
55308	0.44	191	<50	13	91
55309	0.20	142	<50	6	60
55310	0.20	153	<50	6	65
55311	<0.01	<10	<50	<5	116
55312	0.18	119	<50	<5	63
55313	0.16	129	<50	5	59
55314	0.20	142	<50	6	71
*Dup 55314	0.19	144	<50	6	69
55315	0.18	130	<50	6	57
55316	0.19	119	<50	7	106
55317	<0.01	<10	<50	<5	24
55318	<0.01	<10	<50	<5	73
55319	0.02	<10	<50	<5	<10

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Report File No.: 0000008094

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55320	<0.01	<10	<50	<5	88
55321	<0.01	<10	<50	<5	105
55322	<0.01	<10	<50	<5	86
55323	<0.01	<10	<50	<5	70
55324	<0.01	<10	<50	<5	56
55325	<0.01	<10	<50	<5	69
55326	<0.01	<10	<50	<5	101
55327	<0.01	<10	<50	<5	90
55328	<0.01	<10	<50	<5	152
55329	<0.01	<10	<50	<5	112
55330	<0.01	<10	<50	<5	105
55331	<0.01	<10	<50	<5	297
55332	<0.01	<10	<50	<5	247
55333	<0.01	<10	<50	<5	57
55334	<0.01	<10	<50	<5	119
55335	<0.01	<10	<50	<5	61
55336	<0.01	<10	<50	<5	140
55337	0.02	<10	<50	<5	<10
55338	<0.01	<10	<50	<5	94
55339	<0.01	<10	<50	<5	120
55340	<0.01	<10	<50	<5	61
55341	<0.01	<10	<50	<5	59
55342	<0.01	<10	<50	<5	113
55343	<0.01	<10	<50	<5	121
55344	<0.01	<10	<50	<5	121
55345	<0.01	<10	<50	<5	165
55346	<0.01	<10	<50	<5	169
55347	<0.01	<10	<50	<5	69
55348	<0.01	<10	<50	<5	<10
55349	<0.01	<10	<50	<5	<10
*Dup 55349	<0.01	<10	<50	<5	<10
55350	<0.01	<10	<50	<5	11
*Rep 55312	0.18	121	<50	<5	55
*Rep 55331	<0.01	<10	<50	<5	300

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**Certificate of Analysis**  
**Work Order : SU1600896**  
**[Report File No.: 000008139]**

Date: October 24, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Oct 11, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
66	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable -- = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600896 Order:  
Report File No.: 000008139

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55351	4.692	3.83	<30	119	25	5.4	<10	73
55352	4.350	4.46	<30	206	21	4.0	<10	76
55353	4.012	4.60	<30	230	27	4.7	<10	69
55354	0.018	9.32	<30	33	186	0.1	<10	17
55355	0.211	0.14	<30	85	<5	<0.1	<10	10
55356	3.952	3.18	<30	<10	<5	4.2	<10	91
55357	3.182	3.96	<30	17	28	5.1	<10	66
55358	3.924	8.55	<30	29	55	0.1	<10	<10
55359	3.791	8.09	<30	37	49	0.1	<10	<10
55360	4.196	8.05	<30	13	39	0.1	<10	<10
55361	4.132	7.76	<30	28	18	<0.1	<10	<10
55362	3.942	8.78	<30	17	82	0.2	<10	<10
55363	4.050	8.69	<30	12	84	0.2	<10	<10
55364	3.975	8.85	<30	41	140	0.1	<10	<10
55365	4.032	8.73	<30	21	139	0.1	<10	<10
55366	3.932	8.98	<30	88	148	0.1	<10	<10
55367	4.213	8.78	<30	37	170	0.2	<10	<10
55368	0.016	8.40	<30	17	124	0.2	<10	<10
55369	3.912	8.56	<30	11	121	0.1	<10	<10
55370	4.073	8.46	<30	20	23	0.1	<10	<10
55371	3.763	8.65	<30	12	131	0.1	<10	<10
55372	4.102	7.91	<30	<10	124	0.1	<10	<10
55373	3.980	8.56	<30	<10	130	0.1	<10	<10
55374	4.061	8.37	<30	25	91	0.1	<10	<10
55375	4.215	8.43	<30	11	235	0.1	<10	<10
55376	3.903	9.17	<30	13	181	0.2	<10	<10
55377	3.968	8.71	<30	47	119	0.2	<10	<10
55378	0.218	0.14	<30	84	<5	<0.1	<10	10
55379	3.942	9.01	<30	147	164	0.2	<10	<10
55380	4.113	8.50	<30	40	182	0.2	<10	<10
55381	3.868	8.63	<30	64	195	0.2	<10	<10
55382	4.100	7.83	<30	219	71	3.7	<10	37
55383	4.443	6.83	<30	139	16	3.8	<10	60
55384	3.261	4.47	<30	121	25	4.1	<10	74
*Dup 55384	<0.001	4.68	<30	129	25	4.2	<10	73
55385	4.352	4.96	<30	155	47	4.3	<10	68
55386	4.105	5.44	<30	139	100	3.5	<10	63
55387	4.023	8.32	<30	118	176	1.3	<10	23
55388	5.022	4.90	<30	191	31	5.3	<10	65
55389	4.119	8.89	<30	507	67	2.7	<10	24

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Final : SU1600896 Order:  
Report File No.: 0000008139

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55390	2.977	8.27	<30	290	94	1.2	<10	10
55391	3.660	8.30	<30	200	80	0.2	<10	<10
55392	0.018	9.38	<30	30	186	0.1	<10	17
55393	3.477	8.48	<30	208	159	0.1	<10	<10
55394	3.908	7.75	<30	59	116	0.1	<10	<10
55395	3.942	8.58	<30	81	123	0.1	<10	<10
55396	3.925	6.87	<30	57	92	0.1	<10	<10
55397	3.705	8.32	<30	77	157	0.1	<10	<10
55398	3.955	8.64	<30	42	49	0.1	<10	<10
55399	4.009	8.78	<30	61	32	0.1	<10	<10
55400	4.110	7.08	<30	35	209	0.1	<10	<10
55401	3.997	8.91	<30	19	192	0.1	<10	<10
55402	3.857	7.33	<30	40	125	<0.1	<10	<10
55403	3.435	7.73	<30	26	343	0.1	<10	<10
55404	0.222	0.13	<30	85	<5	<0.1	<10	10
55405	3.906	7.42	<30	22	411	0.1	<10	<10
55406	3.745	8.34	<30	136	181	0.1	<10	<10
55407	4.019	9.04	<30	39	80	0.1	<10	<10
55408	2.303	9.68	<30	26	96	0.2	<10	<10
55409	3.403	8.95	<30	209	90	0.1	<10	<10
55410	3.264	10.7	<30	149	71	<0.1	<10	<10
55411	2.996	10.8	<30	113	82	0.2	<10	<10
55412	3.879	8.88	<30	72	90	0.2	<10	<10
55413	0.014	8.49	<30	16	124	0.1	<10	<10
55414	3.860	8.52	<30	49	127	0.2	<10	<10
55415	3.773	8.74	<30	26	130	0.2	<10	<10
55416	3.788	9.70	<30	53	95	0.2	<10	<10
55417	3.718	8.53	<30	14	100	0.2	<10	<10
55418	3.786	7.30	<30	20	23	0.1	<10	<10
55419	3.565	8.98	<30	20	30	0.2	<10	<10
*Dup 55419	<0.001	8.89	<30	19	30	0.2	<10	<10
55420	3.905	10.1	<30	26	33	0.2	<10	<10
*Rep 55379		9.04	<30	143	160	0.2	<10	<10
*Rep 55408		9.87	<30	27	96	0.1	<10	<10
*Std NBS183		13.7	<30	26	39	<0.1	<10	<10
*Std RTS-3A		5.40	<30	124	<5	2.2	<10	128
*Std SY-4		11.4	<30	347	<5	5.7	<10	<10
*Std NIST97B		21.9	<30	174	<5	<0.1	<10	<10
*Blk BLANK		0.01	<30	<10	<5	<0.1	<10	<10

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Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55351	1610	17	6.26	0.9	<10	499	11.8	1499
55352	1938	<10	7.01	1.6	<10	745	13.2	1301
55353	1423	<10	7.27	1.5	<10	689	12.7	1302
55354	32	13	1.08	0.9	<10	13955	0.03	756
55355	<10	<10	0.06	<0.1	<10	<10	0.07	<10
55356	2100	74	7.19	<0.1	<10	11	17.0	1320
55357	1380	28	5.83	0.3	<10	139	12.9	2286
55358	17	<10	0.50	0.7	<10	158	0.15	645
55359	36	<10	0.51	2.0	<10	1041	0.07	954
55360	35	<10	0.66	2.1	<10	6768	0.03	601
55361	53	<10	0.75	1.8	<10	7604	0.03	843
55362	27	<10	0.55	2.3	<10	5710	0.02	800
55363	47	<10	0.79	1.9	<10	6060	0.02	824
55364	23	<10	0.52	2.4	<10	4439	0.05	943
55365	38	<10	0.55	2.6	<10	6071	0.02	617
55366	22	<10	0.71	3.6	<10	6640	0.08	475
55367	37	<10	0.69	2.1	<10	6765	0.05	682
55368	19	<10	0.87	2.0	<10	2952	0.02	1303
55369	35	<10	0.50	2.3	<10	6427	0.02	764
55370	36	<10	0.68	2.5	<10	6225	0.03	719
55371	28	<10	0.63	2.3	<10	8480	0.03	785
55372	33	<10	0.57	2.4	<10	6844	0.02	715
55373	44	<10	0.62	2.2	<10	6549	0.01	768
55374	98	<10	0.70	2.0	<10	8799	0.02	853
55375	36	<10	0.44	2.9	<10	8209	0.02	713
55376	34	<10	0.62	1.3	<10	5051	0.02	924
55377	36	<10	0.60	2.3	<10	5624	0.03	804
55378	<10	<10	0.04	<0.1	<10	<10	0.03	<10
55379	33	<10	0.73	2.5	<10	7620	0.08	873
55380	54	<10	0.75	2.2	<10	8425	0.02	709
55381	40	<10	0.48	1.7	<10	3680	0.02	629
55382	113	91	8.30	1.2	<10	3574	3.01	1988
55383	718	90	10.2	2.1	<10	3316	7.00	2355
55384	2122	26	7.61	3.5	<10	1569	11.6	1708
*Dup 55384	2127	12	7.58	3.7	<10	1646	11.8	1722
55385	1700	<10	5.91	3.5	<10	1667	11.5	1708
55386	1527	65	5.52	3.1	<10	1407	9.87	1122
55387	531	<10	2.30	1.7	<10	1029	3.21	759
55388	1404	14	7.03	2.8	<10	1293	10.4	1555
55389	659	<10	3.43	2.0	<10	1114	3.17	1247

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Final : SU1600896 Order:  
Report File No.: 0000008139

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55390	87	<10	1.21	0.7	<10	231	0.64	471
55391	40	<10	1.03	1.9	<10	3129	0.29	1195
55392	22	11	1.05	0.9	<10	14070	0.03	741
55393	41	<10	0.83	3.3	<10	2201	0.16	773
55394	28	<10	0.56	1.7	<10	1451	0.06	699
55395	42	<10	0.65	3.1	<10	4799	0.06	479
55396	57	<10	0.67	2.5	<10	5464	0.04	447
55397	46	<10	0.68	2.5	<10	6501	0.05	709
55398	40	<10	0.65	3.0	<10	5507	0.03	906
55399	51	<10	0.78	1.8	<10	6923	0.04	733
55400	43	<10	0.59	2.8	<10	4280	0.02	484
55401	47	<10	0.45	2.9	<10	4833	0.02	672
55402	45	<10	0.66	1.4	<10	4574	0.03	500
55403	35	<10	0.47	0.6	<10	74	0.05	256
55404	<10	<10	0.04	<0.1	<10	<10	0.03	<10
55405	37	<10	0.42	0.3	<10	79	0.05	302
55406	55	<10	0.66	1.6	<10	7501	0.03	687
55407	40	<10	0.52	2.1	<10	4157	0.03	532
55408	34	11	0.34	0.5	<10	15	0.06	102
55409	30	<10	0.40	5.2	<10	34	0.07	157
55410	<10	<10	0.35	4.8	<10	25	0.09	92
55411	15	<10	0.36	2.8	<10	14	0.05	80
55412	21	<10	0.44	2.5	<10	60	0.09	557
55413	21	<10	0.87	2.0	<10	2991	0.02	1320
55414	32	<10	0.49	0.4	<10	1134	0.06	1092
55415	22	<10	0.44	0.3	<10	178	0.04	621
55416	22	<10	0.31	2.0	<10	320	0.03	414
55417	28	<10	0.55	0.3	<10	125	0.02	2486
55418	53	<10	0.49	0.3	<10	70	0.05	799
55419	20	<10	0.30	0.1	<10	14	0.05	254
*Dup 55419	21	<10	0.37	0.1	<10	14	0.05	286
55420	26	<10	0.31	<0.1	<10	20	0.08	82
*Rep 55379	43	<10	0.74	2.5	<10	7704	0.08	917
*Rep 55408	28	<10	0.34	0.5	<10	14	0.06	96
*Std NBS183	17	<10	0.09	7.0	<10	18848	<0.01	912
*Std RTS-3A	189	2479	20.8	0.5	<10	17	2.52	1602
*Std SY-4	13	<10	4.47	1.5	57	39	0.32	841
*Std NIST97B	220	20	0.86	0.6	21	550	0.11	46
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600896 Order:  
Report File No.: 000008139

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55351	<10	1057	0.03	34	<50	18	<50	96
55352	<10	931	0.03	<20	<50	24	<50	60
55353	<10	743	0.12	27	<50	20	<50	78
55354	<10	13	<0.01	38	<50	<5	<50	33
55355	<10	<10	<0.01	56	<50	<5	<50	28
55356	<10	1387	0.02	32	<50	19	<50	38
55357	<10	979	0.01	88	<50	14	<50	117
55358	<10	15	<0.01	37	<50	<5	<50	60
55359	<10	16	<0.01	53	<50	<5	<50	31
55360	12	<10	<0.01	41	<50	<5	<50	28
55361	12	<10	<0.01	40	<50	<5	<50	25
55362	<10	<10	<0.01	45	<50	<5	<50	27
55363	<10	<10	<0.01	41	<50	<5	<50	28
55364	<10	<10	0.01	47	<50	<5	<50	32
55365	<10	<10	0.01	43	<50	<5	<50	36
55366	<10	<10	0.02	46	<50	<5	<50	56
55367	668	<10	0.01	51	<50	<5	<50	34
55368	<10	<10	0.01	48	<50	<5	<50	29
55369	12	<10	<0.01	49	<50	<5	<50	27
55370	<10	<10	0.01	42	<50	<5	<50	26
55371	<10	<10	0.01	39	<50	<5	<50	29
55372	192	<10	<0.01	50	<50	<5	<50	23
55373	<10	<10	<0.01	55	<50	<5	<50	24
55374	<10	18	0.01	33	<50	<5	<50	30
55375	<10	<10	0.02	57	<50	<5	<50	33
55376	<10	<10	<0.01	45	<50	<5	<50	29
55377	<10	<10	0.01	44	<50	<5	<50	53
55378	<10	<10	<0.01	51	<50	<5	<50	28
55379	<10	<10	0.02	37	<50	<5	<50	87
55380	45	<10	<0.01	42	<50	<5	<50	55
55381	<10	<10	0.02	49	<50	<5	<50	44
55382	<10	77	0.04	26	<50	54	<50	100
55383	<10	494	0.04	33	<50	57	<50	86
55384	<10	997	0.02	23	<50	27	<50	44
*Dup 55384	<10	1010	0.02	25	<50	28	<50	50
55385	<10	856	0.03	27	<50	18	<50	58
55386	<10	713	0.05	33	<50	16	<50	109
55387	17	201	0.10	45	<50	6	<50	83
55388	<10	702	0.06	36	<50	21	<50	69
55389	<10	220	0.12	34	<50	8	<50	244

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Final : SU1600896 Order:

Report File No.: 0000008139

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55390	<10	26	0.05	29	<50	<5	<50	133
55391	<10	<10	0.01	49	<50	<5	<50	46
55392	<10	<10	<0.01	31	<50	<5	<50	31
55393	21	10	<0.01	41	<50	<5	<50	49
55394	11	<10	<0.01	46	<50	<5	<50	26
55395	17	<10	<0.01	40	<50	<5	<50	43
55396	167	<10	0.01	53	<50	<5	<50	35
55397	501	<10	<0.01	45	<50	<5	<50	38
55398	<10	<10	0.01	47	<50	<5	<50	37
55399	<10	<10	<0.01	39	<50	<5	<50	35
55400	253	<10	<0.01	45	<50	<5	<50	40
55401	<10	<10	0.02	40	<50	<5	<50	38
55402	<10	<10	<0.01	43	<50	<5	<50	32
55403	16	<10	0.01	39	<50	<5	<50	24
55404	<10	<10	<0.01	50	<50	<5	<50	28
55405	60	<10	<0.01	42	<50	<5	<50	23
55406	27	<10	<0.01	41	<50	<5	<50	46
55407	<10	<10	<0.01	39	<50	<5	<50	40
55408	34	11	<0.01	33	<50	<5	<50	32
55409	<10	<10	0.01	31	<50	<5	<50	34
55410	<10	<10	0.01	42	<50	<5	<50	37
55411	<10	<10	0.01	36	<50	<5	<50	36
55412	<10	<10	0.01	33	<50	<5	<50	37
55413	<10	<10	0.01	47	<50	<5	<50	29
55414	<10	<10	0.02	41	<50	<5	<50	24
55415	<10	<10	0.01	34	<50	<5	<50	24
55416	<10	<10	0.01	45	<50	<5	<50	46
55417	<10	<10	0.02	38	<50	<5	<50	23
55418	13	10	<0.01	30	<50	<5	<50	20
55419	<10	<10	<0.01	29	<50	<5	<50	36
*Dup 55419	11	<10	<0.01	39	<50	<5	<50	37
55420	1848	<10	<0.01	30	<50	<5	<50	74
*Rep 55379	<10	<10	0.02	44	<50	<5	<50	80
*Rep 55408	45	<10	<0.01	37	<50	<5	<50	33
*Std NBS183	<10	<10	0.01	<20	<50	<5	328	349
*Std RTS-3A	<10	59	0.07	225	<50	14	267	53
*Std SY-4	<10	<10	0.06	28	<50	<5	<50	1190
*Std NIST97B	12	32	0.03	31	<50	21	<50	92
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600896 Order:  
Report File No.: 0000008139

Element Method Det.Lim. Units	Tl GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55351	0.14	107	<50	6	119
55352	0.25	162	<50	8	87
55353	0.19	127	<50	8	80
55354	<0.01	<10	<50	<5	125
55355	0.02	<10	<50	<5	<10
55356	0.17	116	<50	5	67
55357	0.12	71	<50	<5	670
55358	<0.01	<10	<50	<5	140
55359	<0.01	<10	<50	5	48
55360	<0.01	<10	<50	<5	65
55361	<0.01	<10	<50	<5	129
55362	<0.01	<10	<50	<5	114
55363	<0.01	<10	<50	<5	122
55364	<0.01	<10	<50	<5	90
55365	<0.01	<10	<50	<5	103
55366	<0.01	<10	<50	<5	135
55367	<0.01	<10	<50	<5	100
55368	<0.01	<10	<50	<5	63
55369	<0.01	<10	<50	<5	130
55370	<0.01	<10	<50	<5	73
55371	<0.01	<10	<50	<5	123
55372	<0.01	<10	<50	<5	253
55373	<0.01	<10	<50	<5	103
55374	<0.01	<10	<50	<5	86
55375	<0.01	<10	<50	<5	107
55376	<0.01	<10	<50	<5	75
55377	<0.01	<10	<50	<5	104
55378	0.02	<10	<50	<5	<10
55379	<0.01	<10	<50	<5	127
55380	<0.01	<10	<50	<5	74
55381	<0.01	<10	<50	<5	60
55382	0.33	263	<50	26	125
55383	0.37	268	<50	26	108
55384	0.22	157	<50	12	104
*Dup 55384	0.23	159	<50	12	107
55385	0.15	103	<50	7	171
55386	0.15	112	<50	6	105
55387	0.06	34	<50	<5	97
55388	0.26	146	<50	9	135
55389	0.10	58	<50	<5	1027

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Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55390	0.02	<10	<50	<5	32
55391	<0.01	<10	<50	<5	65
55392	<0.01	<10	<50	<5	117
55393	<0.01	<10	<50	<5	103
55394	<0.01	<10	<50	<5	56
55395	<0.01	<10	<50	<5	97
55396	<0.01	<10	<50	<5	128
55397	<0.01	<10	<50	<5	73
55398	<0.01	<10	<50	<5	120
55399	<0.01	<10	<50	<5	213
55400	<0.01	<10	<50	<5	128
55401	<0.01	<10	<50	<5	167
55402	<0.01	<10	<50	<5	64
55403	<0.01	<10	<50	<5	15
55404	0.02	<10	<50	<5	<10
55405	<0.01	<10	<50	<5	<10
55406	<0.01	<10	<50	<5	123
55407	<0.01	<10	<50	<5	103
55408	<0.01	<10	<50	<5	<10
55409	<0.01	<10	<50	<5	<10
55410	<0.01	<10	<50	10	<10
55411	<0.01	<10	<50	6	<10
55412	<0.01	<10	<50	<5	34
55413	<0.01	<10	<50	<5	56
55414	<0.01	<10	<50	<5	160
55415	<0.01	<10	<50	<5	23
55416	<0.01	<10	<50	<5	24
55417	<0.01	<10	<50	<5	48
55418	<0.01	<10	<50	<5	<10
55419	<0.01	<10	<50	<5	<10
*Dup 55419	<0.01	<10	<50	<5	<10
55420	<0.01	<10	<50	<5	<10
*Rep 55379	<0.01	<10	<50	<5	130
*Rep 55408	<0.01	<10	<50	<5	<10
*Std NBS183	<0.01	<10	<50	<5	23
*Std RTS-3A	0.37	104	54	16	3142
*Std SY-4	0.17	<10	<50	120	104
*Std NIST97B	1.38	251	<50	34	74
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600897**  
**[Report File No.: 000008140]**

Date: October 24, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 68  
 Received: Oct 11, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
68	SHIP	Shipping
68	G_PKP01	Sample collection / pick up
68	G_WGH79	Weighing of samples and reporting of weights
65	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
68	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result

\*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600897 Order:  
Report File No.: 0000008140

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55421	3.326	10.6	<30	36	16	0.3	<10	<10
55422	0.223	0.11	<30	90	<5	0.7	<10	10
55423	3.204	10.6	<30	35	22	0.2	<10	<10
55424	3.820	10.6	<30	26	16	0.2	<10	<10
55425	3.730	9.87	<30	103	33	0.9	<10	24
55426	3.048	10.7	<30	114	96	1.4	<10	17
55427	3.284	11.1	<30	95	104	1.8	<10	12
55428	3.741	10.8	<30	119	97	1.4	<10	12
55429	3.737	9.14	<30	142	82	1.9	<10	30
55430	4.099	4.02	<30	128	38	5.1	<10	64
55431	4.429	3.83	<30	161	28	3.3	<10	83
55432	3.642	3.91	<30	179	27	3.0	<10	83
55433	3.647	3.75	<30	192	27	3.7	<10	83
55434	0.014	8.96	<30	30	191	<0.1	<10	22
55435	3.774	4.96	<30	300	42	4.1	<10	72
55436	4.399	4.44	<30	369	41	3.4	<10	86
55437	2.752	9.97	<30	117	32	1.0	<10	15
55438	3.373	10.6	<30	29	21	0.2	<10	<10
55439	2.886	10.6	<30	32	18	0.2	<10	<10
55440	3.825	10.5	<30	42	28	0.2	<10	<10
55441	0.263	0.05	<30	82	<5	<0.1	<10	11
55442	3.921	8.43	<30	55	114	0.1	<10	<10
55443	4.156	8.20	<30	57	141	<0.1	<10	<10
55444	3.408	8.39	<30	134	185	0.1	<10	<10
55445	3.057	8.22	<30	160	73	0.1	<10	<10
55446	3.528	7.21	<30	145	71	0.1	<10	<10
55447	4.134	8.32	<30	154	122	0.1	<10	<10
55448	3.580	9.05	<30	112	99	0.1	<10	<10
55449	3.713	7.96	<30	56	163	0.1	<10	<10
55450	0.018	8.11	<30	16	131	0.1	<10	<10
55451	4.380	8.40	<30	37	187	0.1	<10	<10
55452	4.070	8.26	<30	22	109	0.1	<10	<10
55453	4.578	8.09	<30	24	135	0.1	<10	<10
55454	4.384	7.99	<30	18	172	<0.1	<10	<10
*Dup 55454	<0.001	8.21	<30	21	149	<0.1	<10	<10
55455	0.184	0.06	<30	80	<5	<0.1	<10	<10
55456	3.876	7.93	<30	12	156	<0.1	<10	<10
55457	4.434	8.26	<30	<10	195	0.1	<10	<10
55458	4.384	8.71	<30	<10	183	0.1	<10	<10
55459	4.253	7.98	<30	28	84	<0.1	<10	<10

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Final : SU1600897 Order:  
Report File No.: 0000008140

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55460	4.655	8.22	<30	12	118	<0.1	<10	<10
55461	4.229	8.16	<30	12	55	0.1	<10	<10
55462	4.328	8.22	<30	<10	44	0.1	<10	<10
55463	4.160	7.93	<30	<10	47	<0.1	<10	<10
55464	4.164	8.36	<30	10	63	<0.1	<10	<10
55465	4.619	8.15	<30	12	45	<0.1	<10	<10
55466	4.021	8.41	<30	12	50	0.1	<10	<10
55467	3.737	8.10	<30	27	95	0.1	<10	<10
55468	0.016	8.88	<30	33	195	<0.1	<10	19
55469	4.244	8.06	<30	34	94	<0.1	<10	<10
55470	4.399	8.37	<30	109	54	0.1	<10	<10
55471	4.390	8.15	<30	46	64	0.1	<10	<10
55472	4.212	8.29	<30	23	94	<0.1	<10	<10
55473	4.380	8.35	<30	19	160	0.1	<10	<10
55474	3.163	8.50	<30	133	58	<0.1	<10	<10
55475	2.647	7.59	<30	136	270	<0.1	<10	<10
55476	4.441	7.10	<30	47	268	0.1	<10	<10
55477	0.208	0.04	<30	81	<5	<0.1	<10	<10
55478	4.181	8.32	<30	36	155	0.1	<10	<10
55479	4.128	8.05	<30	115	85	0.1	<10	<10
55480	4.074	8.67	<30	53	111	0.1	<10	<10
55481	4.252	8.41	<30	95	162	0.1	<10	<10
55482	3.972	8.16	<30	92	124	0.1	<10	<10
55483	4.179	8.58	<30	63	177	0.1	<10	<10
55484	4.088	8.23	<30	115	91	0.1	<10	<10
55485	3.198	8.47	<30	114	113	<0.1	<10	<10
55486	3.658	8.26	<30	55	97	0.1	<10	<10
55487	3.443	7.38	<30	44	53	3.0	<10	29
55488	4.212	2.74	<30	<10	<5	4.5	<10	89
*Rep 55427		10.9	<30	98	102	1.8	<10	11
*Rep 55479		8.42	<30	116	92	0.1	<10	<10
*Std NBS183		13.3	<30	24	40	<0.1	<10	<10
*Std RTS-3A		5.06	<30	123	<5	2.2	<10	131
*Std SY-4		11.3	<30	344	<5	6.0	<10	<10
*Std NIST97B		21.6	<30	168	<5	<0.1	<10	<10
*Blk BLANK		<0.01	<30	<10	<5	<0.1	<10	<10

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Final : SU1600897 Order:

Report File No.: 0000008140

Element Method DetLim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55421	14	<10	0.20	<0.1	<10	<10	0.04	68
55422	<10	25	0.07	<0.1	<10	<10	0.07	11
55423	19	<10	0.30	<0.1	<10	10	0.06	58
55424	<10	16	0.31	<0.1	<10	<10	0.06	516
55425	448	<10	2.79	2.0	<10	832	3.54	990
55426	159	<10	1.74	1.2	<10	568	2.14	605
55427	69	<10	0.74	0.4	<10	249	0.81	278
55428	71	13	0.84	0.4	<10	279	0.95	309
55429	425	<10	3.05	1.9	<10	943	4.64	1223
55430	1230	<10	6.46	2.9	<10	1262	11.9	2126
55431	1630	114	6.83	4.0	<10	1054	13.7	1344
55432	2290	<10	7.22	4.0	<10	938	13.5	1470
55433	2305	<10	7.57	3.5	<10	825	13.3	1515
55434	19	12	1.06	0.9	<10	14298	0.03	773
55435	1878	<10	6.91	3.2	<10	1164	11.6	1521
55436	2368	338	7.94	3.9	<10	1114	12.3	1556
55437	207	<10	1.31	0.7	<10	297	1.79	428
55438	12	<10	0.25	<0.1	<10	19	0.13	52
55439	19	<10	0.37	<0.1	<10	13	0.14	72
55440	29	<10	0.51	<0.1	<10	57	0.41	155
55441	<10	<10	0.03	<0.1	<10	<10	0.02	<10
55442	34	<10	0.84	2.4	<10	5597	0.03	739
55443	46	<10	0.69	2.6	<10	5605	0.04	1216
55444	32	<10	0.51	3.2	<10	4294	0.06	678
55445	56	<10	0.72	2.5	<10	1569	0.09	697
55446	36	<10	0.62	2.2	<10	1399	0.08	634
55447	43	<10	0.57	2.9	<10	3957	0.06	1096
55448	86	<10	0.73	2.9	<10	5989	0.05	1039
55449	44	<10	0.65	2.5	<10	6966	0.08	785
55450	21	<10	0.87	2.0	<10	3042	0.02	1366
55451	23	<10	0.46	3.2	<10	4210	0.05	708
55452	45	<10	0.72	2.4	<10	7578	0.02	1042
55453	33	<10	0.54	2.1	<10	6963	0.02	938
55454	34	<10	0.54	2.2	<10	6305	0.02	835
*Dup 55454	46	<10	0.55	2.2	<10	6374	0.02	811
55455	<10	<10	0.04	<0.1	<10	18	0.02	<10
55456	45	<10	0.59	2.3	<10	6148	0.01	1033
55457	30	<10	0.54	2.5	<10	7400	0.02	909
55458	38	<10	0.51	2.6	<10	6183	0.01	1041
55459	35	<10	0.68	2.8	<10	7080	0.03	987

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Final : SU1600897 Order:  
Report File No.: 0000008140

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55460	41	<10	0.61	2.4	<10	7277	0.01	846
55461	31	<10	0.61	2.0	<10	8010	0.02	842
55462	37	<10	0.63	2.3	<10	7244	0.02	854
55463	33	11	0.75	2.6	<10	5796	0.02	1031
55464	44	<10	0.49	3.0	<10	5963	0.02	843
55465	29	<10	0.62	2.1	<10	7923	0.01	1032
55466	35	<10	0.58	2.2	<10	5417	0.02	944
55467	65	<10	0.64	2.2	<10	6809	0.07	809
55468	22	13	1.07	0.9	<10	14203	0.03	739
55469	25	<10	0.61	3.7	<10	6887	0.03	548
55470	48	<10	0.92	2.8	<10	6674	0.07	781
55471	25	<10	0.60	2.4	<10	7005	0.03	835
55472	46	<10	0.60	3.2	<10	7367	0.03	655
55473	28	<10	0.50	2.4	<10	6837	0.02	619
55474	41	<10	0.53	5.7	<10	3746	0.06	470
55475	27	<10	0.48	5.1	<10	572	0.06	386
55476	50	<10	0.62	3.4	<10	358	0.05	683
55477	<10	<10	0.03	<0.1	<10	<10	0.02	<10
55478	42	<10	0.67	3.2	<10	7114	0.02	800
55479	36	<10	0.81	2.3	<10	8117	0.06	808
55480	44	<10	0.58	2.2	<10	5400	0.04	848
55481	34	<10	0.70	2.3	<10	7652	0.04	695
55482	47	<10	0.92	2.2	<10	8486	0.06	749
55483	24	<10	0.53	1.9	<10	5898	0.04	822
55484	51	<10	0.78	2.3	<10	6724	0.08	655
55485	35	<10	1.03	2.1	<10	5857	0.24	774
55486	32	<10	0.61	2.2	<10	1458	0.13	492
55487	688	<10	3.18	0.7	<10	173	4.02	1116
55488	1863	56	6.65	<0.1	<10	13	17.1	1389
*Rep 55427	62	<10	0.74	0.4	<10	244	0.79	263
*Rep 55479	32	<10	0.82	2.3	<10	8437	0.06	867
*Std NBS183	15	<10	0.09	7.1	<10	19386	<0.01	944
*Std RTS-3A	196	2460	20.9	0.5	<10	17	2.57	1644
*Std SY-4	14	<10	4.57	1.5	56	41	0.33	873
*Std NIST97B	215	20	0.86	0.6	20	559	0.11	49
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600897 Order:  
Report File No.: 0000008140

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55421	2085	<10	<0.01	28	<50	<5	<50	105
55422	<10	<10	<0.01	59	<50	<5	<50	30
55423	<10	<10	0.01	26	<50	<5	<50	95
55424	<10	22	0.01	35	<50	<5	<50	63
55425	<10	220	0.24	33	<50	<5	<50	232
55426	119	109	0.12	45	<50	<5	<50	954
55427	<10	39	0.27	41	<50	<5	<50	908
55428	<10	61	0.13	40	<50	<5	<50	781
55429	<10	231	0.06	28	<50	5	<50	551
55430	<10	722	0.12	21	<50	15	<50	106
55431	15	1015	0.05	24	<50	20	<50	49
55432	11	1033	0.02	33	<50	23	<50	40
55433	<10	919	0.02	30	<50	24	<50	39
55434	<10	<10	<0.01	33	<50	<5	<50	30
55435	<10	785	0.10	30	<50	21	<50	170
55436	<10	818	0.08	111	<50	28	<50	90
55437	<10	107	0.09	157	<50	<5	<50	387
55438	<10	<10	<0.01	36	<50	<5	<50	180
55439	<10	<10	<0.01	34	<50	<5	<50	128
55440	<10	19	0.02	35	<50	<5	<50	225
55441	<10	<10	<0.01	55	<50	<5	<50	21
55442	<10	<10	<0.01	41	<50	<5	<50	41
55443	<10	<10	<0.01	46	<50	<5	<50	44
55444	12	<10	0.01	37	<50	<5	<50	51
55445	<10	<10	<0.01	47	<50	<5	<50	55
55446	<10	<10	<0.01	46	<50	<5	<50	49
55447	<10	<10	0.01	42	<50	<5	<50	67
55448	<10	56	0.01	48	<50	<5	<50	70
55449	<10	<10	0.01	46	<50	<5	<50	39
55450	<10	<10	0.01	44	<50	<5	<50	30
55451	25	<10	0.01	44	<50	<5	<50	39
55452	<10	17	<0.01	51	<50	<5	<50	44
55453	<10	<10	<0.01	45	<50	<5	<50	31
55454	<10	<10	<0.01	45	<50	<5	<50	25
*Dup 55454	11	<10	<0.01	47	<50	<5	<50	27
55455	<10	<10	<0.01	55	<50	<5	<50	20
55456	<10	<10	<0.01	51	<50	<5	<50	31
55457	<10	<10	<0.01	41	<50	<5	<50	30
55458	<10	<10	0.01	35	<50	<5	<50	37
55459	<10	10	<0.01	42	<50	<5	<50	29

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Final : SU1600897 Order:  
Report File No.: 0000008140

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55460	<10	<10	<0.01	49	<50	<5	<50	29
55461	<10	<10	<0.01	49	<50	<5	<50	28
55462	<10	<10	<0.01	48	<50	<5	<50	25
55463	<10	<10	<0.01	52	<50	<5	<50	28
55464	<10	<10	<0.01	46	<50	<5	<50	32
55465	<10	<10	<0.01	37	<50	<5	<50	28
55466	<10	<10	<0.01	42	<50	<5	<50	29
55467	<10	39	0.01	47	<50	<5	<50	31
55468	<10	<10	<0.01	36	<50	<5	<50	33
55469	<10	<10	<0.01	46	<50	<5	<50	40
55470	<10	<10	<0.01	42	<50	<5	<50	41
55471	<10	<10	<0.01	42	<50	<5	<50	32
55472	<10	<10	<0.01	41	<50	<5	<50	33
55473	<10	<10	<0.01	47	<50	<5	<50	28
55474	<10	<10	0.01	58	<50	<5	<50	62
55475	11	<10	<0.01	52	<50	<5	<50	56
55476	222	10	<0.01	55	<50	<5	<50	37
55477	<10	<10	<0.01	63	<50	<5	<50	22
55478	<10	<10	<0.01	46	<50	<5	<50	41
55479	<10	<10	<0.01	39	<50	<5	<50	46
55480	<10	<10	<0.01	44	<50	<5	<50	32
55481	<10	<10	<0.01	41	<50	<5	<50	41
55482	16	<10	<0.01	50	<50	<5	<50	43
55483	<10	<10	<0.01	47	<50	<5	<50	44
55484	<10	<10	<0.01	41	<50	<5	<50	69
55485	<10	<10	<0.01	27	<50	<5	<50	39
55486	<10	<10	<0.01	37	<50	<5	<50	35
55487	<10	224	0.04	34	<50	8	<50	185
55488	<10	1471	0.01	26	<50	17	<50	31
*Rep 55427	<10	40	0.26	46	<50	<5	<50	886
*Rep 55479	<10	<10	<0.01	39	<50	<5	<50	47
*Std NBS183	<10	<10	0.01	<20	<50	<5	298	360
*Std RTS-3A	<10	60	0.07	249	<50	14	261	54
*Std SY-4	<10	<10	0.06	27	<50	<5	<50	1253
*Std NIST97B	12	31	0.03	28	<50	22	<50	94
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600897 Order:  
Report File No.: 0000008140

Element Method Det.Lim. Units	Ti	V	W	Y	Zn
	GE_ICP90A 0.01 %	GE_ICP90A 10 ppm	GE_ICP90A 50 ppm	GE_ICP90A 5 ppm	GE_ICP90A 10 ppm
55421	<0.01	<10	<50	<5	<10
55422	0.02	<10	<50	<5	<10
55423	<0.01	<10	<50	<5	<10
55424	<0.01	<10	<50	<5	<10
55425	0.07	37	<50	5	479
55426	0.05	22	<50	<5	250
55427	0.02	<10	<50	<5	101
55428	0.02	10	<50	<5	98
55429	0.08	46	<50	<5	385
55430	0.14	100	<50	8	411
55431	0.21	121	<50	8	64
55432	0.20	124	<50	6	71
55433	0.21	143	<50	8	65
55434	<0.01	<10	<50	<5	114
55435	0.21	119	<50	8	163
55436	0.27	178	<50	12	180
55437	0.04	12	<50	<5	791
55438	<0.01	<10	<50	<5	92
55439	<0.01	<10	<50	<5	<10
55440	<0.01	<10	<50	<5	30
55441	0.02	<10	<50	<5	<10
55442	<0.01	<10	<50	<5	78
55443	<0.01	<10	<50	<5	95
55444	<0.01	<10	<50	<5	62
55445	<0.01	<10	<50	<5	47
55446	<0.01	<10	<50	<5	42
55447	<0.01	<10	<50	<5	110
55448	<0.01	<10	<50	<5	87
55449	<0.01	<10	<50	<5	94
55450	<0.01	<10	<50	<5	59
55451	<0.01	<10	<50	<5	108
55452	<0.01	<10	<50	<5	145
55453	<0.01	<10	<50	<5	89
55454	<0.01	<10	<50	<5	92
*Dup 55454	<0.01	<10	<50	<5	91
55455	0.02	<10	<50	<5	<10
55456	<0.01	<10	<50	<5	88
55457	<0.01	<10	<50	<5	148
55458	<0.01	<10	<50	<5	181
55459	<0.01	<10	<50	<5	89

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Final : SU1600897 Order:

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Element Method Det.Lim. Units	Ti	V	W	Y	Zn
	GE_ICP90A 0.01 %	GE_ICP90A 10 ppm	GE_ICP90A 50 ppm	GE_ICP90A 5 ppm	GE_ICP90A 10 ppm
55460	<0.01	<10	<50	<5	160
55461	<0.01	<10	<50	<5	133
55462	<0.01	<10	<50	<5	109
55463	<0.01	<10	<50	<5	125
55464	<0.01	<10	<50	<5	121
55465	<0.01	<10	<50	<5	126
55466	<0.01	<10	<50	<5	101
55467	<0.01	<10	<50	<5	105
55468	<0.01	<10	<50	<5	109
55469	<0.01	<10	<50	<5	125
55470	<0.01	<10	<50	<5	99
55471	<0.01	<10	<50	<5	111
55472	<0.01	<10	<50	<5	119
55473	<0.01	<10	<50	<5	107
55474	<0.01	<10	<50	<5	489
55475	<0.01	<10	<50	<5	122
55476	0.01	<10	<50	<5	358
55477	0.02	<10	<50	<5	<10
55478	<0.01	<10	<50	<5	126
55479	<0.01	<10	<50	<5	87
55480	<0.01	<10	<50	<5	91
55481	<0.01	<10	<50	<5	127
55482	<0.01	<10	<50	<5	113
55483	<0.01	<10	<50	<5	124
55484	<0.01	<10	<50	<5	116
55485	<0.01	<10	<50	<5	85
55486	<0.01	<10	<50	<5	53
55487	0.07	47	<50	<5	116
55488	0.15	100	<50	<5	70
*Rep 55427	0.02	<10	<50	<5	99
*Rep 55479	<0.01	<10	<50	<5	87
*Std NBS183	<0.01	<10	<50	<5	25
*Std RTS-3A	0.38	101	<50	16	3033
*Std SY-4	0.18	<10	<50	122	104
*Std NIST97B	1.44	236	<50	34	87
*Bik BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600929**  
**[Report File No.: 000008194]**

Date: October 28, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Oct 19, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

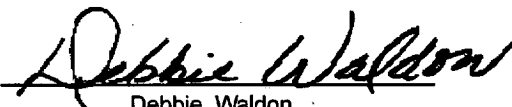
<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
67	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable -- = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600929 Order:  
Report File No.: 0000008194

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55489	0.187	0.13	<30	89	<5	0.3	<10	12
55490	4.035	4.40	<30	636	22	3.9	<10	91
55491	3.981	6.54	<30	257	61	2.8	<10	40
55492	3.983	8.15	<30	118	128	<0.1	<10	11
55493	3.944	8.52	<30	238	75	0.1	<10	11
55494	3.708	8.64	<30	165	127	<0.1	<10	11
55495	3.317	7.68	<30	193	92	0.1	<10	12
55496	4.064	9.30	<30	147	32	<0.1	<10	10
55497	4.173	9.55	<30	220	55	0.1	<10	12
55498	4.015	8.43	<30	125	132	0.1	<10	12
55499	3.998	8.18	<30	84	110	<0.1	<10	11
55500	3.917	8.61	<30	27	115	0.1	<10	12
55501	3.912	8.07	<30	32	101	<0.1	<10	12
55502	3.907	8.70	<30	74	56	<0.1	<10	10
55503	3.938	8.15	<30	44	81	<0.1	<10	12
55504	0.019	8.38	<30	18	136	<0.1	<10	11
55505	3.822	8.48	<30	48	111	<0.1	<10	11
55506	3.869	8.32	<30	71	21	<0.1	<10	10
55507	3.812	8.12	<30	55	44	<0.1	<10	10
55508	3.845	8.40	<30	51	95	<0.1	<10	11
55509	3.673	8.42	<30	60	66	<0.1	<10	12
55510	3.868	8.34	<30	134	78	<0.1	<10	11
55511	3.743	8.41	<30	114	49	<0.1	<10	<10
55512	3.887	8.20	<30	86	74	<0.1	<10	<10
55513	3.889	8.18	<30	87	51	<0.1	<10	12
55514	3.878	8.34	<30	163	154	0.1	<10	12
55515	3.974	7.77	<30	271	47	<0.1	<10	12
55516	3.596	8.26	<30	145	71	0.1	<10	11
55517	4.160	8.19	<30	197	227	<0.1	<10	11
55518	4.001	8.43	<30	87	207	<0.1	<10	11
55519	3.482	8.04	<30	50	78	0.2	<10	11
55520	0.203	0.14	<30	89	<5	<0.1	<10	13
55521	3.958	8.47	<30	32	112	0.1	<10	11
55522	4.047	8.50	<30	15	136	0.1	<10	11
*Dup 55522	<0.001	8.32	<30	13	137	0.1	<10	10
55523	4.016	8.34	<30	16	123	0.1	<10	11
55524	4.047	8.29	<30	56	75	0.1	<10	12
55525	4.012	8.55	<30	74	55	0.2	<10	11
55526	3.925	8.56	<30	107	205	0.2	<10	11
55527	4.021	8.39	<30	76	225	0.1	<10	11

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Final : SU1600929 Order:  
Report File No.: 0000008194

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55528	0.019	8.12	<30	20	132	0.1	<10	11
55529	4.012	8.77	<30	47	112	0.2	<10	11
55530	3.899	8.94	<30	49	237	<0.1	<10	11
55531	3.850	8.55	<30	66	132	1.2	<10	28
55532	4.697	2.78	<30	52	16	3.8	<10	86
55533	3.859	3.76	<30	<10	7	2.4	<10	93
55534	4.322	2.71	<30	10	9	3.3	<10	88
55535	4.091	2.70	<30	<10	9	3.4	<10	91
55536	4.156	3.17	<30	12	10	3.2	<10	97
55537	3.607	3.83	<30	172	33	4.1	<10	81
55538	4.262	6.80	<30	247	65	2.9	<10	60
55539	3.675	8.87	<30	78	132	1.0	<10	20
55540	0.226	0.15	<30	91	<5	<0.1	<10	13
55541	4.685	7.94	<30	1068	95	3.2	<10	50
55542	3.845	8.53	<30	606	108	1.5	<10	31
55543	3.865	9.18	<30	31	179	0.1	<10	11
55544	2.965	8.65	<30	29	146	0.2	<10	12
55545	4.203	8.93	<30	86	45	3.0	<10	29
55546	3.921	9.14	<30	231	43	4.0	<10	36
55547	0.234	0.06	<30	89	<5	<0.1	<10	14
55548	4.058	3.49	<30	12	8	4.2	<10	97
55549	3.105	3.24	<30	22	16	4.4	<10	94
55550	3.783	7.15	<30	127	59	2.1	<10	37
55551	3.469	7.20	<30	110	96	3.0	<10	42
55552	3.813	3.02	<30	12	6	4.1	<10	96
55553	5.126	3.47	<30	10	11	5.6	<10	95
55554	4.009	3.27	<30	11	10	5.2	<10	96
55555	4.076	4.12	<30	42	44	5.0	<10	87
55556	4.412	7.07	<30	73	60	2.2	<10	42
55557	0.022	9.15	<30	36	188	<0.1	<10	19
55558	3.991	3.43	<30	<10	10	5.5	<10	94
*Dup 55558	<0.001	3.44	<30	10	9	5.4	<10	94
*Rep 55505		8.42	<30	51	113	0.1	<10	11
*Rep 55538		6.71	<30	245	67	2.9	<10	63
*Std NBS183		13.6	<30	28	41	<0.1	<10	<10
*Std RTS-3A		5.23	32	126	<5	2.0	<10	144
*Std SY-4		10.6	<30	357	<5	5.3	<10	<10
*Std NIST97B		21.8	<30	176	<5	<0.1	<10	11
*Blk BLANK		<0.01	<30	<10	<5	<0.1	<10	<10

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Final : SU1600929 Order:  
Report File No.: 0000008194

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55489	19	11	0.09	<0.1	<10	<10	0.05	<10
55490	2176	30	6.57	2.9	<10	784	13.2	1039
55491	802	<10	3.47	1.4	<10	379	5.40	878
55492	48	16	0.87	2.9	<10	4398	0.12	535
55493	46	17	0.97	4.4	<10	5816	0.12	560
55494	36	<10	0.71	4.8	<10	3168	0.10	493
55495	46	<10	0.94	2.8	<10	1345	0.13	479
55496	33	<10	0.90	3.7	<10	8063	0.09	820
55497	55	10	0.93	2.7	<10	7558	0.08	844
55498	40	<10	0.87	2.3	<10	8895	0.04	764
55499	68	16	0.85	2.4	<10	7862	0.06	735
55500	41	<10	0.58	2.1	<10	5265	0.01	563
55501	42	13	0.69	3.1	<10	6454	0.02	663
55502	42	<10	0.84	3.3	<10	6703	0.05	943
55503	42	11	0.63	2.6	<10	2749	0.03	624
55504	23	<10	0.87	2.1	<10	3033	0.02	1328
55505	36	<10	0.62	2.4	<10	2746	0.03	738
55506	55	<10	0.81	3.4	<10	4565	0.05	907
55507	37	<10	0.73	2.3	<10	3872	0.03	719
55508	44	<10	0.71	2.9	<10	4543	0.03	502
55509	37	<10	0.76	3.1	<10	4446	0.04	1038
55510	50	<10	0.86	2.9	<10	6541	0.07	919
55511	39	<10	0.93	2.3	<10	3518	0.13	536
55512	40	<10	0.55	2.7	<10	1388	0.06	337
55513	33	<10	0.76	2.4	<10	4392	0.06	679
55514	44	<10	0.68	3.1	<10	4048	0.07	481
55515	32	<10	1.08	3.7	<10	247	0.18	311
55516	51	<10	0.69	3.2	<10	1132	0.10	395
55517	72	<10	1.37	3.1	<10	2808	0.28	575
55518	44	<10	0.60	3.8	<10	3544	0.04	557
55519	39	<10	0.56	3.0	<10	936	0.04	300
55520	17	<10	0.06	<0.1	<10	11	0.03	<10
55521	43	<10	0.61	3.2	<10	5590	0.01	682
55522	43	<10	0.62	2.4	<10	5999	<0.01	589
*Dup 55522	40	<10	0.60	2.4	<10	5867	0.01	609
55523	38	<10	0.66	2.0	<10	7215	0.01	694
55524	66	<10	0.58	2.7	<10	4154	0.01	631
55525	28	<10	0.64	2.1	<10	4255	0.04	605
55526	56	<10	0.59	1.8	<10	3813	0.03	532
55527	37	<10	0.48	3.3	<10	3001	0.02	492

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Final : SU1600929 Order:  
Report File No.: 0000008194

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55528	20	<10	0.86	2.0	<10	2929	0.02	1252
55529	49	<10	0.51	3.1	<10	1866	0.03	352
55530	26	<10	0.53	1.6	<10	3409	0.03	710
55531	465	<10	1.76	0.7	<10	261	2.70	476
55532	1751	<10	5.79	0.7	<10	356	15.2	1384
55533	1679	19	6.04	<0.1	<10	74	16.7	1056
55534	1754	40	5.85	<0.1	<10	44	16.0	1035
55535	1939	39	6.44	<0.1	<10	42	16.3	1058
55536	2132	20	6.73	<0.1	<10	53	16.0	1164
55537	1721	<10	6.39	1.9	<10	819	13.4	1109
55538	1217	<10	5.81	3.1	<10	1435	9.38	1277
55539	213	<10	1.24	0.6	<10	326	1.52	397
55540	16	<10	0.07	<0.1	<10	<10	0.06	<10
55541	249	<10	8.00	2.7	19	1947	7.03	1482
55542	160	<10	4.53	1.7	11	1208	3.99	1060
55543	21	<10	0.46	0.1	<10	22	0.05	405
55544	20	<10	0.39	<0.1	<10	18	0.05	243
55545	140	17	4.09	0.2	<10	201	2.35	842
55546	165	19	5.61	0.4	<10	427	3.42	954
55547	<10	<10	0.06	<0.1	<10	<10	0.03	<10
55548	2425	201	7.64	<0.1	<10	19	15.2	973
55549	2123	110	7.11	1.0	<10	300	15.3	1211
55550	675	<10	3.33	0.6	<10	4075	5.36	1452
55551	750	12	3.44	1.2	<10	892	6.34	1501
55552	1982	56	8.14	<0.1	<10	13	16.3	1361
55553	2327	73	7.88	<0.1	<10	11	15.4	1310
55554	2217	56	7.56	<0.1	<10	33	15.4	1271
55555	1829	62	6.66	2.0	<10	696	13.2	1531
55556	790	24	2.78	3.6	<10	415	5.31	726
55557	20	10	1.05	0.9	<10	13561	0.03	763
55558	2108	57	7.72	<0.1	<10	11	16.3	1468
*Dup 55558	2146	59	7.72	<0.1	<10	11	16.2	1435
*Rep 55505	35	<10	0.63	2.3	<10	2729	0.03	725
*Rep 55538	1242	<10	5.82	3.0	<10	1406	9.38	1260
*Std NBS183	17	<10	0.10	7.1	<10	19116	<0.01	915
*Std RTS-3A	188	2440	20.4	0.5	<10	17	2.47	1565
*Std SY-4	13	<10	4.35	1.4	59	37	0.30	792
*Std NIST97B	215	27	0.88	0.6	22	547	0.11	49
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600929 Order:

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sr GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55489	<10	39	<0.01	49	<50	<5	<50	27
55490	<10	1067	<0.01	36	<50	25	<50	44
55491	<10	377	0.01	34	<50	9	<50	73
55492	<10	<10	0.01	34	<50	<5	<50	41
55493	<10	11	0.02	38	<50	<5	<50	58
55494	<10	<10	0.01	36	<50	<5	<50	50
55495	10	<10	0.01	39	<50	<5	<50	45
55496	<10	<10	<0.01	36	<50	<5	<50	56
55497	<10	<10	<0.01	38	<50	<5	<50	59
55498	<10	<10	0.02	37	<50	<5	<50	47
55499	13	<10	<0.01	36	<50	<5	<50	34
55500	<10	<10	0.01	46	<50	<5	<50	32
55501	<10	<10	<0.01	43	<50	<5	<50	30
55502	<10	<10	<0.01	38	<50	<5	<50	35
55503	<10	<10	<0.01	39	<50	<5	<50	34
55504	<10	<10	<0.01	41	<50	<5	<50	20
55505	<10	<10	<0.01	35	<50	<5	<50	33
55506	<10	<10	<0.01	39	<50	<5	<50	35
55507	<10	<10	<0.01	34	<50	<5	<50	38
55508	<10	<10	<0.01	39	<50	<5	<50	37
55509	<10	<10	<0.01	35	<50	<5	<50	33
55510	<10	<10	<0.01	41	<50	<5	<50	43
55511	<10	<10	<0.01	36	<50	<5	<50	39
55512	<10	<10	<0.01	30	<50	<5	<50	40
55513	<10	<10	<0.01	38	<50	<5	<50	35
55514	<10	<10	<0.01	39	<50	<5	<50	50
55515	<10	<10	<0.01	36	<50	<5	<50	50
55516	12	<10	<0.01	37	<50	<5	<50	45
55517	11	82	<0.01	35	<50	<5	<50	44
55518	21	<10	0.01	46	<50	<5	<50	38
55519	29	<10	<0.01	43	<50	<5	<50	35
55520	<10	<10	<0.01	53	<50	<5	<50	23
55521	<10	<10	0.01	40	<50	<5	<50	28
55522	<10	<10	<0.01	40	<50	<5	<50	27
*Dup 55522	<10	<10	0.01	32	<50	<5	<50	23
55523	12	<10	<0.01	43	<50	<5	<50	26
55524	14	<10	0.01	38	<50	<5	<50	31
55525	115	<10	0.02	32	<50	<5	<50	33
55526	10	<10	0.01	35	<50	<5	<50	38
55527	<10	<10	0.01	51	<50	<5	<50	39

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55528	<10	<10	<0.01	39	<50	<5	<50	27
55529	<10	<10	0.02	46	<50	<5	<50	36
55530	<10	<10	0.01	30	<50	<5	<50	25
55531	<10	159	0.01	47	<50	<5	<50	78
55532	<10	1551	<0.01	36	<50	14	<50	33
55533	<10	1583	0.03	33	<50	12	<50	25
55534	<10	1428	<0.01	28	<50	14	<50	31
55535	<10	1336	<0.01	40	<50	17	<50	31
55536	<10	1330	<0.01	36	<50	19	<50	33
55537	<10	944	0.01	30	<50	18	<50	31
55538	<10	645	0.27	32	<50	15	<50	220
55539	<10	95	0.11	32	<50	<5	<50	278
55540	<10	<10	<0.01	56	<50	<5	<50	25
55541	<10	180	0.11	37	<50	19	<50	349
55542	<10	118	0.07	31	<50	11	<50	246
55543	<10	<10	<0.01	33	<50	<5	<50	22
55544	<10	<10	0.02	41	<50	<5	<50	23
55545	<10	91	0.06	40	<50	11	<50	231
55546	<10	124	0.05	31	<50	15	<50	492
55547	<10	<10	<0.01	57	<50	<5	<50	17
55548	<10	1262	<0.01	35	<50	23	<50	17
55549	<10	1249	0.01	33	<50	20	<50	25
55550	<10	402	0.03	33	<50	6	<50	74
55551	<10	474	0.03	30	<50	6	<50	103
55552	<10	1393	<0.01	26	<50	20	<50	16
55553	<10	1314	0.01	29	<50	20	<50	21
55554	<10	1295	<0.01	31	<50	20	<50	18
55555	<10	1125	0.05	39	<50	16	<50	73
55556	<10	463	0.03	44	<50	7	<50	73
55557	<10	<10	<0.01	39	<50	<5	<50	32
55558	<10	1322	<0.01	25	<50	22	<50	15
*Dup 55558	<10	1323	<0.01	29	<50	21	<50	15
*Rep 55505	<10	<10	<0.01	33	<50	<5	<50	35
*Rep 55538	<10	665	0.26	25	<50	15	<50	215
*Std NBS183	<10	<10	0.01	<20	<50	<5	350	324
*Std RTS-3A	<10	59	0.04	247	<50	14	294	48
*Std SY-4	<10	<10	0.05	30	<50	<5	<50	1121
*Std NIST97B	11	28	0.03	38	<50	21	<50	93
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600929 Order:

Report File No.: 0000008194

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55489	0.02	<10	<50	<5	11
55490	0.21	149	<50	6	73
55491	0.07	51	<50	<5	66
55492	<0.01	<10	<50	<5	78
55493	<0.01	<10	<50	<5	85
55494	<0.01	<10	<50	<5	78
55495	<0.01	<10	<50	<5	33
55496	<0.01	<10	<50	<5	58
55497	<0.01	<10	<50	<5	82
55498	<0.01	<10	<50	<5	106
55499	<0.01	<10	<50	<5	96
55500	<0.01	<10	<50	<5	137
55501	<0.01	<10	<50	<5	357
55502	<0.01	<10	<50	<5	109
55503	<0.01	<10	<50	<5	34
55504	<0.01	<10	<50	<5	56
55505	<0.01	<10	<50	<5	46
55506	<0.01	<10	<50	<5	88
55507	<0.01	<10	<50	<5	73
55508	<0.01	<10	<50	<5	77
55509	<0.01	<10	<50	<5	61
55510	<0.01	<10	<50	<5	53
55511	<0.01	<10	<50	<5	53
55512	<0.01	<10	<50	<5	14
55513	<0.01	<10	<50	<5	64
55514	<0.01	<10	<50	<5	63
55515	<0.01	<10	<50	<5	13
55516	<0.01	<10	<50	<5	20
55517	<0.01	<10	<50	<5	46
55518	<0.01	<10	<50	<5	39
55519	<0.01	<10	<50	<5	22
55520	0.02	<10	<50	<5	<10
55521	<0.01	<10	<50	<5	99
55522	<0.01	<10	<50	<5	91
*Dup 55522	<0.01	<10	<50	<5	86
55523	<0.01	<10	<50	<5	73
55524	<0.01	<10	<50	<5	96
55525	<0.01	<10	<50	<5	75
55526	<0.01	<10	<50	<5	60
55527	<0.01	<10	<50	<5	41

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Final : SU1600929 Order:  
Report File No.: 0000008194

Element Method Det.Lim. Units	Ti	V	W	Y	Zn
	GE_ICP90A 0.01 %	GE_ICP90A 10 ppm	GE_ICP90A 50 ppm	GE_ICP90A 5 ppm	GE_ICP90A 10 ppm
55528	<0.01	<10	<50	<5	51
55529	<0.01	<10	<50	<5	34
55530	<0.01	<10	<50	<5	43
55531	0.04	26	<50	<5	85
55532	0.12	77	<50	<5	71
55533	0.09	98	<50	<5	67
55534	0.11	86	<50	<5	47
55535	0.15	91	<50	<5	52
55536	0.17	102	<50	6	75
55537	0.16	108	<50	6	92
55538	0.16	92	<50	7	387
55539	0.03	15	<50	<5	96
55540	0.02	<10	<50	<5	<10
55541	0.71	152	<50	18	159
55542	0.34	79	<50	11	115
55543	<0.01	<10	<50	<5	15
55544	<0.01	<10	<50	<5	34
55545	0.38	102	<50	9	57
55546	0.53	139	<50	12	64
55547	0.02	<10	<50	<5	<10
55548	0.21	151	<50	8	56
55549	0.18	128	<50	7	59
55550	0.05	36	<50	<5	107
55551	0.05	38	<50	<5	72
55552	0.18	107	<50	5	59
55553	0.20	143	<50	7	50
55554	0.18	127	<50	6	46
55555	0.14	110	<50	5	104
55556	0.06	43	<50	<5	1752
55557	<0.01	<10	<50	<5	111
55558	0.20	114	<50	6	51
*Dup 55558	0.19	116	<50	6	44
*Rep 55505	<0.01	<10	<50	<5	45
*Rep 55538	0.16	93	<50	8	377
*Std NBS183	<0.01	<10	<50	<5	29
*Std RTS-3A	0.36	97	<50	16	2828
*Std SY-4	0.16	<10	<50	123	87
*Std NIST97B	1.42	240	<50	34	72
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600930**  
**[Report File No.: 000008195]**

Date: October 28, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Oct 19, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
67	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable -- = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600930 Order:  
Report File No.: 0000008195

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55559	4.188	3.05	<30	11	11	5.9	<10	96
55560	4.048	3.60	<30	33	14	5.7	<10	94
55561	4.146	5.94	<30	121	46	3.8	<10	73
55562	4.429	6.33	<30	143	104	2.6	<10	52
55563	3.783	8.96	<30	202	73	0.1	<10	11
55564	3.832	7.32	<30	226	192	<0.1	<10	12
55565	3.977	8.41	<30	110	227	<0.1	<10	11
55566	0.221	0.07	<30	90	<5	<0.1	<10	12
55567	4.079	7.86	<30	118	261	0.1	<10	11
55568	3.369	8.07	<30	115	157	<0.1	<10	11
55569	3.330	8.59	<30	56	232	0.1	<10	<10
55570	4.932	6.43	<30	168	49	4.3	<10	64
55571	4.169	4.38	<30	14	20	6.6	<10	88
55572	0.023	8.06	<30	19	127	<0.1	<10	12
55573	4.001	3.47	<30	56	16	5.3	<10	86
55574	4.259	4.03	<30	123	26	4.3	<10	88
55575	3.908	8.89	<30	42	62	0.3	<10	13
55576	3.296	8.09	<30	53	121	0.2	<10	14
55577	4.442	7.83	<30	24	75	<0.1	<10	11
55578	3.974	8.15	<30	38	89	<0.1	<10	11
55579	4.049	8.17	<30	48	76	<0.1	<10	10
55580	3.927	8.20	<30	36	189	<0.1	<10	11
55581	3.800	8.31	<30	28	49	0.1	<10	12
55582	3.853	8.62	<30	24	27	0.2	<10	10
55583	3.807	10.3	<30	29	30	0.5	<10	11
55584	3.234	8.00	<30	134	33	2.7	<10	39
55585	0.252	0.05	<30	84	<5	<0.1	<10	12
55586	4.429	4.04	<30	151	22	4.0	<10	91
55587	3.932	3.33	<30	11	11	5.1	<10	94
55588	4.187	5.23	<30	16	20	4.5	<10	68
55589	3.326	8.47	<30	81	57	0.1	<10	11
55590	3.930	8.25	<30	291	121	<0.1	<10	11
55591	3.914	8.03	<30	134	87	<0.1	<10	10
55592	3.809	7.56	<30	79	39	<0.1	<10	10
*Dup 55592	<0.001	7.64	<30	85	41	<0.1	<10	11
55593	3.788	7.25	<30	104	35	<0.1	<10	11
55594	0.018	9.02	<30	37	186	<0.1	<10	20
55595	4.065	8.07	<30	50	59	<0.1	<10	11
55596	3.695	8.10	<30	45	47	<0.1	<10	12
55597	4.111	8.07	<30	84	221	<0.1	<10	12

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Final : SU1600930 Order:  
Report File No.: 0000008195

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55598	3.851	8.13	<30	42	78	<0.1	<10	10
55599	3.794	7.75	<30	53	44	0.1	<10	11
55600	3.401	8.00	<30	69	56	0.1	<10	11
55601	4.556	7.94	<30	141	59	<0.1	<10	12
55602	0.234	0.12	<30	94	<5	<0.1	<10	14
55603	4.017	8.74	<30	42	79	0.4	<10	11
55604	4.205	8.20	<30	65	155	4.4	<10	32
55605	4.340	4.21	<30	183	41	3.5	<10	90
55606	4.277	4.28	<30	11	8	4.7	<10	93
55607	4.144	6.01	<30	69	27	3.9	<10	69
55608	3.902	8.55	<30	22	65	0.2	<10	11
55609	3.897	8.36	<30	42	25	0.9	<10	19
55610	3.913	6.95	<30	178	33	1.9	<10	48
55611	0.016	9.01	<30	32	190	<0.1	<10	21
55612	3.862	8.33	<30	52	54	0.1	<10	10
55613	3.844	9.23	<30	49	41	0.8	<10	14
55614	3.834	9.81	<30	27	32	0.4	<10	11
55615	4.951	4.98	<30	111	27	3.6	<10	68
55616	5.558	3.79	<30	30	13	5.1	<10	87
55617	0.239	0.12	<30	93	<5	<0.1	<10	13
55618	4.727	8.08	<30	185	16	3.5	<10	59
55619	2.772	4.48	<30	83	23	4.9	<10	70
55620	3.970	8.69	<30	18	162	0.2	<10	12
55621	4.149	8.47	<30	30	178	0.2	<10	12
55622	4.581	8.89	<30	110	209	0.1	<10	11
55623	3.921	8.50	<30	44	83	0.1	<10	12
55624	4.151	8.80	<30	30	128	0.1	<10	12
55625	4.000	8.38	<30	31	154	<0.1	<10	11
55626	3.914	8.42	<30	24	164	0.1	<10	11
55627	3.872	8.58	<30	26	118	<0.1	<10	12
*Dup 55627	<0.001	8.56	<30	25	108	0.1	<10	12
55628	3.965	8.38	<30	51	114	<0.1	<10	<10
*Rep 55585		0.05	<30	91	<5	<0.1	<10	14
*Rep 55623		8.75	<30	36	81	<0.1	<10	11
*Std NBS183		13.4	<30	26	41	<0.1	<10	<10
*Std RTS-3A		5.31	37	129	<5	2.0	10	147
*Std SY-4		11.1	<30	348	<5	5.5	<10	<10
*Std NIST97B		21.1	<30	162	<5	<0.1	<10	<10
*Blk BLANK		0.01	<30	<10	<5	<0.1	<10	<10

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Final : SU1600930 Order:  
Report File No.: 0000008195

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55559	2269	78	8.07	<0.1	<10	14	15.5	1341
55560	2175	73	7.31	0.2	<10	102	14.9	1423
55561	1851	85	6.25	3.2	<10	1385	10.6	1913
55562	1102	35	4.64	2.6	<10	3914	6.27	1277
55563	56	96	1.05	5.0	<10	4529	0.09	570
55564	88	12	1.14	2.2	<10	9377	0.06	673
55565	54	11	1.25	2.2	<10	11413	0.03	821
55566	10	<10	0.04	<0.1	<10	19	0.02	<10
55567	49	12	0.69	3.2	<10	4290	0.02	580
55568	34	<10	0.83	2.0	<10	5753	0.03	605
55569	37	13	0.95	1.5	<10	4926	0.05	889
55570	1579	17	5.18	1.5	<10	1409	8.26	1609
55571	2429	60	7.67	0.1	<10	95	12.7	2055
55572	28	<10	0.86	2.0	<10	2949	0.03	1226
55573	1951	61	6.76	0.8	<10	285	13.8	1691
55574	1711	54	7.28	2.1	<10	526	13.5	1494
55575	66	<10	0.76	0.3	<10	171	0.47	463
55576	104	<10	1.08	1.2	<10	1458	0.63	528
55577	46	<10	1.13	2.0	<10	7000	0.04	821
55578	39	11	0.71	2.6	<10	6359	0.04	560
55579	46	<10	1.09	1.7	<10	7217	0.04	810
55580	46	<10	0.90	3.3	<10	6993	0.02	817
55581	38	<10	0.84	3.3	<10	4003	0.02	579
55582	22	<10	0.56	0.8	<10	90	0.02	398
55583	34	<10	0.54	<0.1	<10	612	0.27	496
55584	771	<10	3.27	0.9	<10	348	5.40	1032
55585	<10	15	0.05	<0.1	<10	<10	0.02	<10
55586	2385	36	6.69	1.7	<10	358	14.4	1209
55587	2338	112	6.12	<0.1	<10	18	15.5	1216
55588	1675	26	5.59	0.2	<10	130	11.1	1811
55589	29	<10	0.78	2.1	<10	2501	0.11	421
55590	29	<10	0.82	3.5	<10	2603	0.16	486
55591	40	<10	0.92	4.2	<10	3394	0.07	476
55592	60	<10	0.74	4.1	<10	2565	0.06	471
*Dup 55592	60	<10	0.72	4.1	<10	2488	0.06	461
55593	36	<10	1.00	3.7	<10	4520	0.08	371
55594	20	13	1.05	0.9	<10	14061	0.03	698
55595	67	<10	0.77	3.3	<10	2823	0.03	728
55596	39	<10	1.11	1.4	<10	6923	0.02	893
55597	55	<10	0.77	2.8	<10	6290	0.02	731

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Final : SU1600930 Order:  
Report File No.: 0000008195

Element Method DetLim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55598	36	11	0.72	2.6	<10	657	0.03	459
55599	50	13	0.68	3.0	<10	357	0.05	255
55600	34	<10	0.89	2.2	<10	2061	0.09	725
55601	25	<10	0.96	3.0	<10	3918	0.15	587
55602	26	<10	0.06	<0.1	<10	<10	0.03	<10
55603	21	<10	0.49	1.0	<10	1851	0.04	395
55604	644	<10	2.44	1.3	<10	845	3.87	1213
55605	2427	<10	6.14	4.1	<10	1210	13.1	1265
55606	2345	99	7.67	<0.1	<10	37	14.7	1345
55607	1879	44	6.00	0.6	<10	264	10.2	1261
55608	19	<10	0.32	0.1	<10	15	0.04	295
55609	359	<10	1.37	0.3	<10	1403	1.51	573
55610	1332	<10	4.72	2.9	<10	2544	7.40	1769
55611	19	14	1.04	0.9	<10	13846	0.03	698
55612	25	<10	0.61	0.2	<10	662	0.09	506
55613	153	<10	1.04	0.2	<10	1349	0.72	375
55614	10	<10	0.45	<0.1	<10	<10	0.08	397
55615	1632	<10	5.08	2.2	<10	646	11.1	1235
55616	2114	97	6.65	0.5	<10	234	14.5	1303
55617	<10	<10	0.08	<0.1	<10	<10	0.07	11
55618	562	51	7.32	1.2	<10	969	9.06	985
55619	1682	<10	6.60	1.2	<10	1277	12.1	1322
55620	24	37	0.56	0.1	<10	72	0.17	295
55621	27	23	0.60	1.2	<10	986	0.08	439
55622	32	<10	0.83	3.2	<10	5373	0.12	746
55623	25	13	0.96	2.2	<10	6218	0.03	741
55624	25	<10	0.73	2.7	<10	6156	0.02	712
55625	31	<10	0.93	2.5	<10	7762	0.10	679
55626	39	<10	0.88	2.2	<10	7996	0.01	657
55627	24	<10	0.67	2.6	<10	6060	0.02	620
*Dup 55627	21	<10	0.76	2.7	<10	5996	0.02	637
55628	33	<10	0.80	2.9	<10	6024	0.03	700
*Rep 55585	14	20	0.06	<0.1	<10	<10	0.02	<10
*Rep 55623	27	12	0.97	2.3	<10	6429	0.03	753
*Std NBS183	16	<10	0.09	7.0	<10	18872	<0.01	857
*Std RTS-3A	200	2463	20.6	0.5	<10	16	2.50	1529
*Std SY-4	14	<10	4.48	1.5	56	39	0.31	800
*Std NIST97B	219	21	0.85	0.6	17	519	0.10	44
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600930 Order:  
Report File No.: 0000008195

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55559	<10	1253	0.01	27	<50	20	<50	15
55560	<10	1233	0.08	32	<50	20	<50	27
55561	<10	765	0.05	34	<50	21	<50	80
55562	<10	424	0.02	33	<50	14	<50	57
55563	<10	27	0.02	47	<50	<5	<50	85
55564	<10	<10	<0.01	40	<50	<5	<50	86
55565	<10	<10	<0.01	46	<50	<5	<50	63
55566	<10	<10	<0.01	48	<50	<5	<50	21
55567	<10	<10	0.02	48	<50	<5	<50	56
55568	<10	<10	0.02	34	<50	<5	<50	48
55569	<10	<10	0.02	26	<50	<5	<50	36
55570	<10	659	<0.01	45	<50	16	<50	82
55571	<10	1000	<0.01	42	<50	25	<50	35
55572	<10	<10	<0.01	38	<50	<5	<50	26
55573	<10	1196	0.01	27	<50	20	<50	43
55574	<10	1015	0.01	41	<50	23	<50	37
55575	<10	25	0.02	38	<50	<5	<50	80
55576	<10	43	0.04	35	<50	<5	<50	59
55577	<10	<10	<0.01	40	<50	<5	<50	25
55578	<10	<10	<0.01	40	<50	<5	<50	27
55579	<10	<10	0.01	36	<50	<5	<50	26
55580	<10	<10	<0.01	40	<50	<5	<50	35
55581	<10	<10	<0.01	39	<50	<5	<50	30
55582	<10	<10	<0.01	31	<50	<5	<50	31
55583	<10	13	0.05	28	<50	<5	<50	324
55584	<10	414	0.11	31	<50	9	<50	198
55585	<10	<10	<0.01	48	<50	<5	<50	18
55586	<10	1273	0.02	29	<50	23	<50	39
55587	<10	1305	<0.01	123	<50	22	<50	34
55588	<10	913	0.04	56	<50	15	<50	59
55589	<10	<10	0.01	35	<50	<5	<50	38
55590	<10	<10	<0.01	42	<50	<5	<50	67
55591	24	<10	<0.01	46	<50	<5	<50	50
55592	<10	<10	<0.01	37	<50	<5	<50	37
*Dup 55592	<10	<10	<0.01	41	<50	<5	<50	38
55593	<10	<10	<0.01	41	<50	<5	<50	46
55594	<10	<10	<0.01	40	<50	<5	<50	31
55595	55	<10	<0.01	40	<50	<5	<50	35
55596	39	<10	<0.01	36	<50	<5	<50	29
55597	35	<10	<0.01	37	<50	<5	<50	49

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Final : SU1600930 Order:  
Report File No.: 0000008195

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55598	61	<10	<0.01	38	<50	<5	<50	37
55599	16	<10	<0.01	33	<50	<5	<50	40
55600	<10	<10	<0.01	35	<50	<5	<50	37
55601	23	<10	<0.01	47	<50	<5	<50	43
55602	<10	<10	<0.01	51	<50	<5	<50	27
55603	<10	<10	<0.01	32	<50	<5	<50	37
55604	<10	337	<0.01	78	<50	6	<50	96
55605	<10	1256	<0.01	28	<50	24	<50	46
55606	<10	1059	0.01	30	<50	25	<50	21
55607	<10	705	0.01	29	<50	19	<50	111
55608	<10	<10	0.01	32	<50	<5	<50	22
55609	<10	169	0.08	26	<50	<5	<50	87
55610	<10	642	0.05	25	<50	12	<50	67
55611	<10	<10	<0.01	36	<50	<5	<50	27
55612	16	<10	<0.01	30	<50	<5	<50	31
55613	<10	83	0.15	41	<50	<5	<50	126
55614	<10	<10	<0.01	42	<50	<5	<50	52
55615	<10	965	0.02	34	<50	16	<50	103
55616	<10	1276	<0.01	31	<50	20	<50	41
55617	<10	<10	<0.01	58	<50	<5	<50	25
55618	63	338	0.02	30	<50	40	<50	409
55619	40	919	0.02	28	<50	18	<50	65
55620	<10	<10	0.01	69	<50	<5	<50	109
55621	<10	<10	0.01	36	<50	<5	<50	52
55622	<10	<10	0.02	48	<50	<5	<50	51
55623	13	<10	0.01	45	<50	<5	<50	44
55624	<10	<10	<0.01	39	<50	<5	<50	54
55625	<10	<10	<0.01	40	<50	<5	<50	34
55626	12	<10	<0.01	37	<50	<5	<50	38
55627	<10	<10	0.01	30	<50	<5	<50	34
*Dup 55627	<10	<10	0.01	39	<50	<5	<50	39
55628	<10	<10	0.01	41	<50	<5	<50	53
*Rep 55585	<10	<10	<0.01	57	<50	<5	<50	20
*Rep 55623	13	<10	0.02	40	<50	<5	<50	36
*Std NBS183	<10	<10	0.01	<20	<50	<5	326	348
*Std RTS-3A	<10	59	0.04	250	<50	14	294	51
*Std SY-4	<10	<10	0.05	31	<50	<5	<50	1185
*Std NIST97B	13	29	0.03	26	<50	19	<50	79
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600930 Order:

Report File No.: 0000008195

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55559	0.18	141	<50	7	50
55560	0.17	122	<50	6	70
55561	0.17	116	<50	6	135
55562	0.12	87	<50	<5	75
55563	<0.01	<10	<50	<5	49
55564	<0.01	<10	<50	<5	128
55565	<0.01	<10	<50	<5	52
55566	0.02	<10	<50	<5	<10
55567	<0.01	<10	<50	<5	67
55568	<0.01	<10	<50	<5	58
55569	<0.01	<10	<50	<5	25
55570	0.13	100	<50	6	81
55571	0.21	149	<50	8	91
55572	<0.01	<10	<50	<5	52
55573	0.19	122	<50	7	57
55574	0.20	142	<50	8	94
55575	<0.01	<10	<50	<5	76
55576	0.01	<10	<50	<5	106
55577	<0.01	<10	<50	<5	76
55578	<0.01	<10	<50	<5	109
55579	<0.01	<10	<50	<5	61
55580	<0.01	<10	<50	<5	70
55581	<0.01	<10	<50	<5	83
55582	<0.01	<10	<50	<5	33
55583	<0.01	<10	<50	<5	15
55584	0.05	42	<50	6	76
55585	0.02	<10	<50	<5	<10
55586	0.19	123	<50	10	62
55587	0.16	111	<50	6	460
55588	0.11	84	<50	6	1162
55589	<0.01	<10	<50	<5	87
55590	<0.01	<10	<50	<5	32
55591	<0.01	<10	<50	<5	128
55592	<0.01	<10	<50	<5	58
*Dup 55592	<0.01	<10	<50	<5	64
55593	<0.01	<10	<50	<5	84
55594	<0.01	<10	<50	<5	108
55595	<0.01	<10	<50	<5	72
55596	<0.01	<10	<50	<5	43
55597	<0.01	<10	<50	<5	149

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Final : SU1600930 Order:

Report File No.: 0000008195

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55598	<0.01	<10	<50	<5	55
55599	<0.01	<10	<50	<5	123
55600	<0.01	<10	<50	<5	84
55601	<0.01	<10	<50	<5	65
55602	0.02	<10	<50	<5	<10
55603	<0.01	<10	<50	<5	296
55604	0.07	31	<50	<5	1135
55605	0.20	125	<50	5	66
55606	0.21	148	<50	7	56
55607	0.16	126	<50	7	73
55608	<0.01	<10	<50	<5	<10
55609	0.02	15	<50	<5	71
55610	0.11	71	<50	5	436
55611	<0.01	<10	<50	<5	107
55612	<0.01	<10	<50	<5	122
55613	<0.01	<10	<50	<5	82
55614	<0.01	<10	<50	<5	46
55615	0.14	95	<50	7	64
55616	0.19	121	<50	6	58
55617	0.02	<10	<50	<5	<10
55618	0.32	187	<50	17	87
55619	0.18	101	<50	6	97
55620	<0.01	<10	<50	<5	486
55621	<0.01	<10	<50	<5	124
55622	<0.01	<10	<50	<5	88
55623	<0.01	<10	<50	<5	107
55624	<0.01	<10	<50	<5	77
55625	<0.01	<10	<50	<5	85
55626	<0.01	<10	<50	<5	133
55627	<0.01	<10	<50	<5	110
*Dup 55627	<0.01	<10	<50	<5	94
55628	<0.01	<10	<50	<5	187
*Rep 55585	0.02	<10	<50	<5	<10
*Rep 55623	<0.01	<10	<50	<5	112
*Std NBS183	<0.01	<10	<50	<5	25
*Std RTS-3A	0.37	97	<50	17	2929
*Std SY-4	0.17	<10	<50	122	97
*Std NIST97B	1.39	239	<50	28	70
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600931**  
**[Report File No.: 000008196]**

Date: October 28, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 41  
 Received: Oct 19, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
41	SHIP	Shipping
41	G_PKP01	Sample collection / pick up
41	G_WGH79	Weighing of samples and reporting of weights
39	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
41	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600931 Order:  
Report File No.: 0000008196

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55629	3.928	8.32	<30	116	127	0.2	<10	<10
55630	3.949	7.72	<30	100	28	0.3	<10	10
55631	0.018	8.78	<30	36	192	0.1	<10	19
55632	4.453	8.12	<30	18	48	0.1	<10	<10
55633	3.606	8.02	<30	21	38	<0.1	<10	<10
55634	4.056	8.12	<30	23	101	0.1	<10	12
55635	3.999	8.09	<30	49	56	0.1	<10	10
55636	4.074	7.93	<30	52	116	0.1	<10	<10
55637	4.076	7.90	<30	84	17	0.1	<10	<10
55638	3.464	8.01	<30	38	39	<0.1	<10	<10
55639	3.713	7.87	<30	50	24	0.1	<10	<10
55640	4.289	8.51	<30	68	112	0.1	<10	<10
55641	4.056	7.74	<30	76	143	0.1	<10	10
55642	3.705	8.13	<30	17	99	0.1	<10	<10
55643	4.020	7.57	<30	36	37	0.1	<10	<10
55644	3.964	8.15	<30	35	39	0.1	<10	<10
55645	4.033	8.01	<30	39	131	0.1	<10	<10
55646	3.880	8.23	<30	61	87	0.1	<10	<10
55647	3.918	7.86	<30	69	110	0.1	<10	<10
55648	3.587	7.95	<30	237	77	0.2	<10	<10
55649	4.167	8.19	<30	183	90	0.2	<10	<10
55650	3.821	8.05	<30	152	126	0.1	<10	<10
55651	0.013	8.01	<30	19	127	0.1	<10	<10
55652	3.491	8.13	<30	257	145	0.1	<10	<10
55653	2.995	8.30	<30	179	188	0.2	<10	<10
55654	2.542	8.44	<30	116	114	0.1	<10	<10
55655	2.969	8.20	<30	144	197	0.1	<10	<10
55656	3.900	8.13	<30	170	106	0.1	<10	<10
55657	2.634	8.05	<30	152	55	<0.1	<10	<10
55658	3.439	7.62	<30	181	103	0.1	<10	<10
55659	2.172	8.12	<30	170	76	0.1	<10	<10
55660	3.582	8.13	<30	100	307	<0.1	<10	<10
55661	4.188	8.43	<30	97	50	0.1	<10	<10
55662	3.690	8.19	<30	37	67	0.1	<10	<10
*Dup 55662	<0.001	7.33	<30	33	60	0.1	<10	<10
55663	4.236	8.39	<30	42	80	0.2	<10	<10
55664	3.862	8.01	<30	31	126	0.1	<10	10
55665	3.770	8.21	<30	104	26	1.8	<10	46
55666	4.051	10.6	<30	57	9	1.7	<10	26
55667	3.402	9.38	<30	87	19	2.8	<10	42

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Final : SU1600931 Order:

Report File No.: 0000008196

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55668	4.219	2.22	<30	12	<5	6.0	<10	83
55669	1.002	2.40	<30	10	<5	4.7	<10	92
*Rep 55634		8.30	<30	20	95	0.1	<10	<10
*Rep 55657		8.24	<30	159	60	<0.1	<10	<10
*Std NBS183		13.1	<30	29	41	<0.1	<10	<10
*Std RTS-3A		5.26	38	129	<5	2.2	10	136
*Std SY-4		10.9	<30	339	<5	5.6	<10	<10
*Blk BLANK		0.01	<30	<10	<5	<0.1	<10	<10

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Final : SU1600931 Order:  
Report File No.: 000008196

Element Method DetLim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55629	26	<10	0.67	2.8	<10	4057	0.05	652
55630	93	<10	1.12	2.9	<10	6804	0.46	977
55631	18	<10	1.06	0.9	<10	13979	0.03	734
55632	39	<10	0.62	2.4	<10	4938	0.02	1108
55633	24	<10	1.00	2.6	<10	8065	0.01	1373
55634	29	<10	0.65	2.2	<10	5196	0.02	779
55635	26	17	0.86	2.7	<10	6487	0.03	841
55636	33	<10	0.75	3.0	<10	5118	0.03	670
55637	33	<10	0.89	3.5	<10	4576	0.04	700
55638	31	<10	0.76	2.7	<10	7147	0.02	670
55639	25	<10	0.93	2.9	<10	5432	0.07	634
55640	37	<10	0.83	3.5	<10	8730	0.08	723
55641	39	<10	0.78	3.4	<10	5310	0.05	794
55642	32	<10	0.79	2.5	<10	6914	0.02	689
55643	25	<10	0.79	2.2	<10	5354	0.04	815
55644	31	<10	0.69	2.6	<10	6026	0.04	700
55645	33	<10	0.94	2.3	<10	8881	0.02	802
55646	26	<10	0.64	3.1	<10	4351	0.03	1034
55647	18	<10	0.74	2.5	<10	4646	0.03	859
55648	27	<10	0.76	2.9	<10	2609	0.10	639
55649	17	<10	0.66	3.8	<10	1704	0.09	394
55650	25	<10	0.65	3.7	<10	3152	0.09	600
55651	17	<10	0.86	2.0	<10	3013	0.02	1258
55652	30	<10	1.03	3.0	<10	4483	0.16	788
55653	28	<10	0.75	3.2	<10	3863	0.11	555
55654	25	11	0.72	4.0	<10	4713	0.08	666
55655	33	<10	0.73	2.8	<10	3555	0.10	776
55656	17	<10	0.73	3.6	<10	531	0.14	469
55657	30	<10	0.58	3.1	<10	336	0.09	231
55658	23	<10	0.78	3.7	<10	2246	0.09	657
55659	23	<10	0.79	3.1	<10	4068	0.14	921
55660	20	<10	0.72	3.3	<10	4903	0.06	595
55661	28	<10	0.90	1.2	<10	4371	0.12	1467
55662	20	<10	0.62	1.9	<10	2029	0.05	1765
*Dup 55662	17	<10	0.58	1.5	<10	1615	0.04	1579
55663	27	<10	0.70	2.0	<10	1423	0.03	920
55664	17	<10	0.41	2.2	<10	167	0.05	508
55665	61	<10	7.22	1.3	<10	694	8.14	1280
55666	27	1095	1.87	<0.1	<10	356	1.32	310
55667	614	25	4.03	0.4	<10	405	5.16	593

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Final : SU1600931 Order:

Report File No.: 0000008196

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55668	1424	58	5.36	<0.1	<10	30	16.1	1188
55669	1914	58	5.60	<0.1	<10	<10	17.6	1252
*Rep 55634	29	<10	0.63	2.2	<10	5202	0.02	742
*Rep 55657	33	<10	0.58	3.2	<10	346	0.10	234
*Std NBS183	14	<10	0.09	7.0	<10	19056	<0.01	869
*Std RTS-3A	196	2464	20.4	0.5	11	17	2.56	1537
*Std SY-4	11	<10	4.42	1.5	54	41	0.31	798
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600931 Order:  
Report File No.: 0000008196

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55629	<10	<10	0.01	36	<50	<5	<50	105
55630	<10	33	<0.01	29	<50	<5	<50	72
55631	<10	<10	<0.01	30	<50	<5	<50	32
55632	<10	<10	<0.01	32	<50	<5	<50	40
55633	<10	<10	<0.01	35	<50	<5	<50	35
55634	<10	<10	<0.01	42	<50	<5	<50	36
55635	<10	<10	0.02	33	<50	<5	<50	41
55636	<10	<10	<0.01	42	<50	<5	<50	49
55637	<10	<10	<0.01	35	<50	<5	<50	71
55638	45	<10	<0.01	40	<50	<5	<50	41
55639	<10	<10	<0.01	34	<50	<5	<50	43
55640	27	<10	<0.01	37	<50	<5	<50	55
55641	114	<10	<0.01	44	<50	<5	<50	61
55642	34	<10	<0.01	39	<50	<5	<50	33
55643	18	<10	<0.01	32	<50	<5	<50	35
55644	333	<10	<0.01	36	<50	<5	<50	37
55645	87	<10	<0.01	34	<50	<5	<50	49
55646	<10	<10	<0.01	35	<50	<5	<50	54
55647	<10	<10	<0.01	33	<50	<5	<50	50
55648	<10	<10	<0.01	40	<50	<5	<50	79
55649	<10	<10	<0.01	33	<50	<5	<50	62
55650	<10	<10	0.01	36	<50	<5	<50	59
55651	<10	<10	0.01	36	<50	<5	<50	27
55652	10	<10	<0.01	40	<50	<5	<50	71
55653	<10	<10	0.03	35	<50	<5	<50	51
55654	<10	<10	0.03	31	<50	<5	<50	54
55655	15	<10	0.01	37	<50	<5	<50	55
55656	40	<10	0.02	35	<50	<5	<50	53
55657	<10	<10	0.01	32	<50	<5	<50	64
55658	16	<10	<0.01	38	<50	<5	<50	57
55659	44	<10	<0.01	36	<50	<5	<50	68
55660	<10	<10	0.01	38	<50	<5	<50	50
55661	<10	<10	<0.01	33	<50	<5	<50	34
55662	<10	<10	<0.01	37	<50	<5	<50	25
*Dup 55662	<10	<10	<0.01	38	<50	<5	<50	19
55663	<10	<10	0.01	37	<50	<5	<50	31
55664	<10	<10	<0.01	34	<50	<5	<50	28
55665	<10	118	0.07	23	<50	<5	<50	123
55666	<10	19	0.04	30	<50	<5	<50	633
55667	11	373	0.03	30	<50	9	<50	450

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Final : SU1600931 Order:

Report File No.: 0000008196

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55668	<10	1480	<0.01	31	<50	12	<50	69
55669	<10	1702	<0.01	32	<50	15	<50	39
*Rep 55634	<10	<10	<0.01	33	<50	<5	<50	37
*Rep 55657	16	<10	0.01	33	<50	<5	<50	68
*Std NBS183	<10	<10	0.01	<20	<50	<5	340	342
*Std RTS-3A	<10	59	0.05	250	<50	14	307	52
*Std SY-4	<10	<10	0.06	27	<50	<5	<50	1144
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600931 Order:

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Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55629	<0.01	<10	<50	<5	150
55630	<0.01	<10	<50	<5	76
55631	<0.01	<10	<50	<5	113
55632	<0.01	<10	<50	<5	78
55633	<0.01	<10	<50	<5	89
55634	<0.01	<10	<50	<5	153
55635	<0.01	<10	<50	<5	121
55636	<0.01	<10	<50	<5	123
55637	<0.01	<10	<50	<5	98
55638	<0.01	<10	<50	<5	78
55639	<0.01	<10	<50	<5	103
55640	<0.01	<10	<50	<5	83
55641	<0.01	<10	<50	<5	56
55642	<0.01	<10	<50	<5	77
55643	<0.01	<10	<50	<5	106
55644	<0.01	<10	<50	<5	105
55645	<0.01	<10	<50	<5	188
55646	<0.01	<10	<50	<5	186
55647	<0.01	<10	<50	<5	84
55648	<0.01	<10	<50	<5	97
55649	<0.01	<10	<50	<5	95
55650	<0.01	<10	<50	<5	115
55651	<0.01	<10	<50	<5	54
55652	<0.01	<10	<50	<5	89
55653	<0.01	<10	<50	<5	115
55654	<0.01	<10	<50	<5	91
55655	<0.01	<10	<50	<5	90
55656	<0.01	<10	<50	<5	37
55657	<0.01	<10	<50	<5	17
55658	<0.01	<10	<50	<5	49
55659	<0.01	<10	<50	<5	90
55660	<0.01	<10	<50	<5	95
55661	<0.01	<10	<50	6	49
55662	<0.01	<10	<50	9	79
*Dup 55662	<0.01	<10	<50	8	97
55663	<0.01	<10	<50	<5	71
55664	<0.01	<10	<50	<5	83
55665	0.07	10	<50	<5	1339
55666	0.23	30	<50	5	25
55667	0.23	79	<50	6	44

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Final : SU1600931 Order:

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Element Method Det.Lim. Units	Ti	V	W	Y	Zn
	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
	0.01	10	50	5	10
	%	ppm	ppm	ppm	ppm
55668	0.09	72	<50	5	55
55669	0.12	69	<50	6	45
*Rep 55634	<0.01	<10	<50	<5	154
*Rep 55657	<0.01	<10	<50	<5	17
*Std NBS183	<0.01	<10	<50	<5	26
*Std RTS-3A	0.38	98	<50	18	2944
*Std SY-4	0.17	<10	<50	120	95
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600959**  
**[Report File No.: 000008252]**

Date: November 04, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Oct 26, 2016  
 Pages: Page 1 to 13  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
66	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result

\*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600959 Order:  
Report File No.: 0000008252

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55670	3.872	2.34	<30	37	12	6.7	<10	75
55671	4.365	6.77	<30	93	237	1.1	<10	20
55672	4.084	8.69	<30	26	202	0.1	<10	<10
55673	4.394	8.60	<30	17	300	0.1	<10	<10
55674	4.382	8.72	<30	11	172	0.1	<10	<10
55675	3.463	8.24	<30	14	133	0.1	<10	<10
55676	0.016	9.26	<30	38	186	<0.1	<10	13
55677	4.084	8.38	<30	23	126	0.1	<10	<10
55678	4.024	8.55	<30	17	139	0.2	<10	<10
55679	4.613	7.90	<30	13	161	0.2	<10	<10
55680	4.556	8.60	<30	12	222	0.1	<10	<10
55681	4.107	8.77	<30	30	141	0.1	<10	<10
55682	4.364	8.16	<30	75	97	0.2	<10	<10
55683	4.210	7.57	<30	53	49	<0.1	<10	<10
55684	4.366	8.62	<30	20	192	0.1	<10	<10
55685	0.140	0.05	<30	85	<5	<0.1	<10	<10
55686	4.226	8.78	<30	34	191	0.2	<10	<10
55687	4.323	8.58	<30	48	173	0.2	<10	<10
55688	4.111	8.68	<30	49	162	0.2	<10	<10
55689	4.272	9.12	<30	25	151	0.2	<10	<10
55690	4.014	8.79	<30	27	50	0.2	<10	<10
55691	4.347	8.87	<30	17	57	0.2	<10	<10
55692	4.388	8.66	<30	28	200	0.2	<10	<10
55693	4.415	8.28	<30	27	119	0.1	<10	<10
55694	4.301	8.68	<30	30	136	0.1	<10	<10
55695	4.396	8.34	<30	10	160	0.1	<10	<10
55696	4.524	8.32	<30	15	429	0.2	<10	<10
55697	4.282	8.41	<30	26	128	0.1	<10	<10
55698	4.138	8.39	<30	62	212	0.2	<10	<10
55699	4.219	8.02	<30	20	100	0.1	<10	<10
55700	3.904	8.55	<30	112	48	0.1	<10	<10
55701	0.020	8.64	<30	20	130	0.2	<10	<10
55702	3.914	8.33	<30	61	37	0.2	<10	<10
55703	4.042	8.09	<30	82	100	0.1	<10	<10
*Dup 55703	<0.001	8.35	<30	83	84	0.1	<10	<10
55704	4.298	8.29	<30	39	99	0.1	<10	<10
55705	3.727	8.07	<30	12	11	0.1	<10	<10
55706	4.208	8.17	<30	13	92	0.1	<10	<10
55707	0.218	0.06	<30	86	<5	<0.1	<10	<10
55708	4.347	8.45	<30	24	68	0.1	<10	<10

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Final : SU1600959 Order:  
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Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55709	3.982	8.18	<30	20	87	0.2	<10	<10
55710	3.854	8.42	<30	47	21	0.2	<10	<10
55711	4.544	8.35	<30	55	17	0.2	<10	<10
55712	3.994	7.87	<30	66	33	0.4	<10	<10
55713	4.015	8.20	<30	23	72	0.2	<10	<10
55714	4.344	8.34	<30	52	90	0.2	<10	<10
55715	4.137	8.16	<30	44	89	0.2	<10	<10
55716	4.360	8.44	<30	114	150	0.1	<10	<10
55717	3.811	7.92	<30	144	17	<0.1	<10	<10
55718	3.981	7.26	<30	149	50	0.1	<10	<10
55719	0.021	8.96	<30	32	182	0.1	<10	20
55720	4.233	8.22	<30	150	88	0.1	<10	<10
55721	4.529	8.37	<30	94	183	0.1	<10	<10
55722	4.586	8.42	<30	189	153	0.1	<10	<10
55723	3.211	8.52	<30	58	154	0.1	<10	<10
55724	3.860	8.25	<30	31	215	0.2	<10	<10
55725	3.891	10.4	<30	21	43	0.2	<10	<10
55726	4.342	7.28	<30	33	143	2.6	<10	30
55727	4.337	4.42	<30	31	29	6.7	<10	67
55728	0.251	0.12	<30	94	<5	<0.1	<10	<10
55729	2.448	4.43	<30	11	13	5.0	<10	82
55730	2.246	4.33	<30	89	31	5.6	<10	56
55731	3.778	9.34	<30	28	53	1.2	<10	<10
55732	3.726	8.50	<30	21	134	0.1	<10	<10
55733	3.668	8.36	<30	107	155	0.1	<10	<10
55734	3.858	8.52	<30	69	212	0.2	<10	<10
55735	0.016	8.17	<30	19	130	0.2	<10	<10
55736	3.856	8.74	<30	71	89	0.2	<10	<10
55737	4.277	8.55	<30	90	108	0.2	<10	<10
55738	3.713	8.83	<30	91	49	0.2	<10	<10
*Dup 55738	<0.001	8.52	<30	84	64	0.2	<10	<10
55739	3.175	9.10	<30	113	91	<0.1	<10	<10
*Rep 55681		8.78	<30	23	138	0.1	<10	<10
*Rep 55714		8.43	<30	53	90	0.2	<10	<10
*Std NBS183		13.6	<30	28	38	<0.1	<10	<10
*Std RTS-3A		5.04	38	125	<5	2.2	<10	131
*Std SY-4		10.9	<30	337	<5	5.7	<10	<10
*Std NIST97B		21.2	<30	167	<5	<0.1	<10	<10

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Element	Al	As	Ba	Be	Ca	Cd	Co
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	0.01	30	10	5	0.1	10	10
Units	%	ppm	ppm	ppm	%	ppm	ppm
*Blk BLANK	<0.01	<30	<10	<5	<0.1	<10	<10

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Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55670	1758	181	5.84	0.3	<10	152	14.4	1856
55671	437	12	2.09	0.7	<10	188	3.23	622
55672	36	11	0.55	1.5	<10	2410	0.05	693
55673	28	<10	0.53	3.4	<10	3762	0.03	743
55674	42	<10	0.65	1.3	<10	10225	<0.01	780
55675	31	<10	0.68	2.0	<10	11886	0.01	847
55676	22	13	1.10	0.9	<10	14627	0.03	747
55677	40	<10	0.72	1.3	<10	9125	0.05	729
55678	34	<10	0.64	1.3	<10	7186	0.03	1333
55679	38	<10	0.54	1.9	<10	3857	<0.01	963
55680	28	<10	0.60	2.3	<10	8075	0.01	917
55681	32	<10	0.60	2.7	<10	6359	0.02	777
55682	23	<10	0.64	2.9	<10	8403	0.05	713
55683	28	<10	0.71	4.2	<10	7723	0.04	633
55684	29	<10	0.74	2.5	<10	10856	0.01	895
55685	11	<10	0.05	<0.1	<10	11	0.02	<10
55686	26	<10	0.62	3.2	<10	6556	0.02	555
55687	23	<10	0.69	2.1	<10	7142	0.03	658
55688	22	<10	0.57	1.9	<10	4487	0.02	730
55689	28	<10	0.66	2.5	<10	8516	0.01	982
55690	34	<10	0.59	1.5	<10	4865	0.01	1121
55691	21	<10	0.53	2.7	<10	3655	0.01	911
55692	27	<10	0.65	2.3	<10	6065	0.03	727
55693	32	<10	0.75	2.6	<10	9789	0.02	695
55694	25	<10	0.65	2.3	<10	6983	0.01	899
55695	30	<10	0.66	2.1	<10	8349	0.01	690
55696	27	<10	0.63	2.2	<10	7419	0.02	727
55697	25	<10	0.61	2.4	<10	6326	0.02	896
55698	27	<10	0.67	2.0	<10	8208	0.06	709
55699	26	<10	0.72	2.4	<10	8128	<0.01	852
55700	33	<10	0.66	4.1	<10	4999	0.04	500
55701	26	<10	0.89	2.1	<10	3152	0.02	1346
55702	22	<10	0.69	1.7	<10	5319	0.02	811
55703	33	<10	0.63	2.8	<10	4590	0.03	676
*Dup 55703	32	<10	0.66	3.0	<10	4530	0.03	721
55704	31	<10	0.74	2.6	<10	5910	0.02	791
55705	57	<10	0.69	3.0	<10	5079	0.01	852
55706	40	<10	0.72	2.6	<10	6658	0.01	726
55707	10	<10	0.05	<0.1	<10	12	0.02	<10
55708	36	17	0.70	2.3	<10	6943	0.02	1132

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Final : SU1600959 Order:  
Report File No.: 0000008252

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55709	44	<10	0.60	2.2	<10	5743	<0.01	668
55710	31	<10	0.66	3.0	<10	2435	0.02	662
55711	42	<10	0.48	2.7	<10	2055	0.01	297
55712	38	<10	0.65	3.3	<10	4625	0.02	653
55713	55	<10	0.65	2.3	<10	8719	<0.01	596
55714	36	<10	0.59	3.0	<10	3388	0.04	457
55715	49	<10	0.66	2.4	<10	4443	0.03	640
55716	37	<10	0.47	3.6	<10	1150	0.04	399
55717	42	<10	0.67	3.6	<10	1221	0.09	390
55718	23	<10	0.44	4.2	<10	48	0.03	100
55719	26	14	1.08	0.9	<10	13722	0.03	739
55720	28	<10	0.67	3.7	<10	1715	0.08	403
55721	51	<10	0.77	2.7	<10	4598	0.09	1048
55722	37	<10	0.74	2.9	<10	4217	0.10	761
55723	25	<10	0.54	3.6	<10	1550	0.04	570
55724	42	<10	0.51	2.6	<10	126	0.04	314
55725	14	<10	0.42	<0.1	<10	15	0.06	413
55726	714	<10	3.40	0.2	<10	186	4.57	855
55727	1514	10	7.52	0.2	17	342	11.3	1777
55728	<10	<10	0.06	<0.1	<10	<10	0.03	<10
55729	2118	18	7.72	<0.1	<10	141	14.4	1440
55730	1108	<10	5.73	0.6	<10	274	10.6	1328
55731	25	<10	0.56	0.2	<10	94	0.14	345
55732	20	<10	0.56	0.4	<10	98	0.07	252
55733	27	<10	0.86	1.3	<10	5475	0.08	762
55734	32	<10	0.53	3.4	<10	3463	0.04	453
55735	24	<10	0.89	2.0	<10	3035	0.02	1314
55736	23	<10	0.66	3.2	<10	5293	0.04	543
55737	39	<10	0.54	4.0	<10	3387	0.04	531
55738	22	12	0.55	5.0	<10	2710	0.03	520
*Dup 55738	23	<10	0.54	4.6	<10	2764	0.03	555
55739	20	<10	0.32	9.2	<10	630	0.03	110
*Rep 55681	34	<10	0.61	2.8	<10	6451	0.02	773
*Rep 55714	32	<10	0.58	2.9	<10	3352	0.04	444
*Std NBS183	22	<10	0.10	7.1	<10	19247	<0.01	902
*Std RTS-3A	195	2441	21.1	0.5	<10	17	2.49	1569
*Std SY-4	18	<10	4.47	1.4	57	42	0.31	817
*Std NIST97B	233	21	0.87	0.6	21	531	0.11	47

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Element	Cr	Cu	Fe	K	La	Li	Mg	Mn
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	10	10	0.01	0.1	10	10	0.01	10
Units	ppm	ppm	%	%	ppm	ppm	%	ppm
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55670	<10	1385	<0.01	33	<50	15	<50	58
55671	<10	162	0.02	43	<50	<5	<50	107
55672	<10	<10	<0.01	<20	<50	<5	<50	33
55673	<10	<10	0.01	28	<50	<5	<50	39
55674	11	<10	0.02	<20	<50	<5	<50	21
55675	11	<10	0.02	25	<50	<5	<50	28
55676	<10	<10	<0.01	78	<50	<5	<50	34
55677	<10	<10	0.01	<20	<50	<5	<50	24
55678	<10	<10	0.03	<20	<50	<5	<50	24
55679	<10	26	0.02	24	<50	<5	<50	29
55680	<10	<10	0.01	<20	<50	<5	<50	32
55681	<10	<10	<0.01	21	<50	<5	<50	35
55682	10	<10	0.02	22	<50	<5	<50	50
55683	<10	<10	0.01	25	<50	<5	<50	52
55684	<10	<10	0.02	<20	<50	<5	<50	37
55685	<10	<10	<0.01	30	<50	<5	<50	22
55686	18	<10	0.01	22	<50	<5	<50	44
55687	17	<10	0.02	21	<50	<5	<50	34
55688	<10	<10	0.02	<20	<50	<5	<50	36
55689	<10	<10	0.01	22	<50	<5	<50	44
55690	<10	<10	0.01	25	<50	<5	<50	30
55691	90	<10	0.01	20	<50	<5	<50	41
55692	<10	<10	0.02	<20	<50	<5	<50	38
55693	<10	<10	0.01	<20	<50	<5	<50	37
55694	<10	<10	<0.01	<20	<50	<5	<50	41
55695	<10	<10	0.01	24	<50	<5	<50	27
55696	<10	<10	0.01	<20	<50	<5	<50	30
55697	16	<10	0.01	21	<50	<5	<50	30
55698	<10	<10	0.02	<20	<50	<5	<50	43
55699	25	<10	<0.01	<20	<50	<5	<50	40
55700	<10	<10	<0.01	20	<50	<5	<50	57
55701	<10	<10	<0.01	<20	<50	<5	<50	31
55702	<10	<10	<0.01	<20	<50	<5	<50	29
55703	<10	<10	<0.01	<20	<50	<5	<50	37
*Dup 55703	18	<10	<0.01	24	<50	<5	<50	39
55704	<10	<10	<0.01	24	<50	<5	<50	38
55705	<10	<10	<0.01	22	<50	<5	<50	31
55706	<10	<10	<0.01	22	<50	<5	<50	39
55707	<10	<10	<0.01	28	<50	<5	<50	22
55708	<10	<10	<0.01	21	<50	<5	<50	53

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sr GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55709	31	<10	<0.01	<20	<50	<5	<50	56
55710	<10	<10	<0.01	<20	<50	<5	<50	88
55711	<10	<10	<0.01	30	<50	<5	<50	143
55712	<10	<10	<0.01	23	<50	<5	<50	100
55713	<10	<10	<0.01	<20	<50	<5	<50	86
55714	<10	<10	<0.01	<20	<50	<5	<50	74
55715	12	<10	<0.01	<20	<50	<5	<50	90
55716	<10	<10	<0.01	<20	<50	<5	<50	100
55717	<10	<10	<0.01	<20	<50	<5	<50	48
55718	<10	<10	<0.01	<20	<50	<5	<50	39
55719	<10	<10	<0.01	<20	<50	<5	<50	30
55720	<10	<10	<0.01	33	<50	<5	<50	49
55721	<10	<10	0.01	<20	<50	<5	<50	47
55722	27	<10	<0.01	<20	<50	<5	<50	56
55723	<10	<10	0.01	23	<50	<5	<50	49
55724	<10	<10	0.03	23	<50	<5	<50	39
55725	<10	<10	<0.01	<20	<50	<5	<50	45
55726	<10	314	0.03	21	<50	10	<50	49
55727	<10	719	0.07	22	<50	23	<50	56
55728	<10	<10	<0.01	24	<50	<5	<50	29
55729	<10	937	0.01	29	<50	26	<50	39
55730	<10	686	0.03	28	<50	13	<50	164
55731	<10	<10	<0.01	34	<50	<5	<50	169
55732	<10	<10	0.01	<20	<50	<5	<50	37
55733	<10	<10	0.02	<20	<50	<5	<50	37
55734	<10	<10	0.03	21	<50	<5	<50	53
55735	<10	<10	<0.01	20	<50	<5	<50	30
55736	<10	<10	0.02	<20	<50	<5	<50	51
55737	<10	<10	0.02	21	<50	<5	<50	53
55738	<10	<10	0.02	28	<50	<5	<50	55
*Dup 55738	<10	<10	0.02	<20	<50	<5	<50	52
55739	<10	<10	0.02	34	<50	<5	<50	79
*Rep 55681	<10	<10	0.01	24	<50	<5	<50	37
*Rep 55714	<10	<10	<0.01	<20	<50	<5	<50	75
*Std NBS183	<10	<10	0.01	<20	<50	<5	344	353
*Std RTS-3A	<10	62	0.05	234	<50	14	248	52
*Std SY-4	<10	<10	0.05	22	<50	<5	<50	1183
*Std NIST97B	11	30	0.03	<20	<50	21	<50	87

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Final : SU1600959 Order:

Report File No.: 0000008252

Element	Mo	Ni	P	Pb	Sb	Sc	Sn	Sr
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	10	10	0.01	20	50	5	50	10
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600959 Order:

Report File No.: 0000008252

Element Method Det.Lim. Units	Ti	V	W	Y	Zn
	GE_ICP90A 0.01 %	GE_ICP90A 10 ppm	GE_ICP90A 50 ppm	GE_ICP90A 5 ppm	GE_ICP90A 10 ppm
55670	0.12	75	<50	<5	83
55671	0.04	26	<50	<5	904
55672	<0.01	<10	<50	<5	55
55673	<0.01	<10	<50	<5	76
55674	<0.01	<10	<50	<5	102
55675	<0.01	<10	<50	<5	73
55676	<0.01	<10	<50	<5	122
55677	<0.01	<10	<50	<5	69
55678	<0.01	<10	<50	<5	96
55679	<0.01	<10	<50	<5	73
55680	<0.01	<10	<50	<5	74
55681	<0.01	<10	<50	<5	85
55682	<0.01	<10	<50	<5	71
55683	<0.01	<10	<50	<5	507
55684	<0.01	<10	<50	<5	337
55685	0.02	<10	<50	<5	<10
55686	<0.01	<10	<50	<5	58
55687	<0.01	<10	<50	<5	87
55688	<0.01	<10	<50	<5	91
55689	<0.01	<10	<50	<5	92
55690	<0.01	<10	<50	<5	104
55691	<0.01	<10	<50	<5	105
55692	<0.01	<10	<50	<5	92
55693	<0.01	<10	<50	<5	121
55694	<0.01	<10	<50	<5	112
55695	<0.01	<10	<50	<5	145
55696	<0.01	<10	<50	<5	145
55697	<0.01	<10	<50	<5	97
55698	<0.01	<10	<50	<5	108
55699	<0.01	<10	<50	<5	123
55700	<0.01	<10	<50	<5	82
55701	<0.01	<10	<50	<5	60
55702	<0.01	<10	<50	<5	136
55703	<0.01	<10	<50	<5	153
*Dup 55703	<0.01	<10	<50	<5	203
55704	<0.01	<10	<50	<5	103
55705	<0.01	<10	<50	<5	92
55706	<0.01	<10	<50	<5	110
55707	0.02	<10	<50	<5	<10
55708	<0.01	<10	<50	<5	127

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Final : SU1600959 Order:

Report File No.: 0000008252

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55709	<0.01	<10	<50	<5	122
55710	<0.01	<10	<50	<5	108
55711	<0.01	<10	<50	<5	167
55712	<0.01	<10	<50	<5	81
55713	<0.01	<10	<50	<5	68
55714	<0.01	<10	<50	<5	84
55715	<0.01	<10	<50	<5	381
55716	<0.01	<10	<50	<5	49
55717	<0.01	<10	<50	<5	54
55718	<0.01	<10	<50	<5	17
55719	<0.01	<10	<50	<5	115
55720	<0.01	<10	<50	<5	56
55721	<0.01	<10	<50	<5	111
55722	<0.01	<10	<50	<5	169
55723	<0.01	<10	<50	<5	149
55724	<0.01	<10	<50	<5	113
55725	<0.01	<10	<50	<5	24
55726	0.10	68	<50	6	178
55727	0.26	173	<50	10	85
55728	0.02	<10	<50	<5	<10
55729	0.22	150	<50	7	89
55730	0.09	60	<50	<5	94
55731	<0.01	<10	<50	<5	92
55732	<0.01	<10	<50	<5	220
55733	<0.01	<10	<50	<5	46
55734	<0.01	<10	<50	<5	122
55735	<0.01	<10	<50	<5	61
55736	<0.01	<10	<50	<5	104
55737	<0.01	<10	<50	<5	70
55738	<0.01	<10	<50	<5	48
*Dup 55738	<0.01	<10	<50	<5	57
55739	<0.01	<10	<50	<5	30
*Rep 55681	<0.01	<10	<50	<5	84
*Rep 55714	<0.01	<10	<50	<5	83
*Std NBS183	<0.01	<10	<50	<5	27
*Std RTS-3A	0.38	114	<50	16	3036
*Std SY-4	0.17	<10	<50	117	101
*Std NIST97B	1.42	234	<50	32	75

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Final : SU1600959 Order:

Report File No.: 0000008252

Element	Ti	V	W	Y	Zn
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	0.01	10	50	5	10
Units	%	ppm	ppm	ppm	ppm
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600960**  
**[Report File No.: 000008259]**

Date: November 04, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
**68/283 GIVEN TERRACE**  
**MILTON QLD 4064**  
**AUSTRALIA**

P.O. No.: -  
Project No.: -  
Samples: 70  
Received: Oct 26, 2016  
Pages: Page 1 to 9  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
68	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
Debbie Waldon  
Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable - = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600960 Order:  
Report File No.: 0000008259

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55740	3.819	8.13	<30	180	164	0.3	<10	<10
55741	4.051	8.10	<30	219	192	0.2	<10	<10
55742	3.758	7.89	<30	159	154	0.2	<10	<10
55743	3.617	8.04	<30	189	121	0.1	<10	<10
55744	4.168	7.89	<30	72	136	<0.1	<10	<10
55745	0.237	0.14	<30	86	<5	<0.1	<10	<10
55746	3.834	8.59	<30	26	176	0.2	<10	<10
55747	4.308	8.22	<30	48	109	0.2	<10	<10
55748	3.920	8.30	<30	337	39	0.1	<10	<10
55749	4.022	8.39	<30	75	65	0.1	<10	<10
55750	3.872	8.44	<30	122	142	0.2	<10	<10
55751	4.023	8.47	<30	155	139	0.2	<10	<10
55752	3.936	8.30	<30	35	378	0.1	<10	<10
55753	3.875	8.50	<30	36	83	0.2	<10	<10
55754	3.960	7.88	<30	52	100	0.2	<10	<10
55755	0.023	8.97	<30	33	188	0.1	<10	14
55756	3.738	8.19	<30	30	127	0.2	<10	<10
55757	4.346	8.43	<30	33	83	0.2	<10	<10
55758	3.832	8.26	<30	160	133	0.2	<10	<10
55759	3.726	8.03	<30	17	71	0.2	<10	<10
55760	3.389	8.15	<30	34	101	0.2	<10	<10
55761	4.519	7.88	<30	29	21	0.1	<10	<10
55762	3.996	7.46	<30	83	150	<0.1	<10	<10
55763	0.253	0.14	<30	87	<5	<0.1	<10	<10
55764	3.847	7.22	<30	32	95	0.1	<10	<10
55765	3.980	8.20	<30	105	82	0.1	<10	<10
55766	3.897	8.33	<30	37	9	0.1	<10	<10
55767	3.831	8.03	<30	27	88	0.1	<10	<10
55768	3.920	8.04	<30	35	70	0.1	<10	<10
55769	3.899	8.33	<30	87	139	0.1	<10	<10
55770	4.261	7.62	<30	95	44	0.1	<10	<10
55771	4.029	7.92	<30	45	72	0.2	<10	<10
55772	3.074	9.68	<30	57	47	0.2	<10	<10
55773	3.659	9.96	<30	56	56	0.2	<10	<10
"Dup 55773	<0.001	10.1	<30	53	51	0.2	<10	<10
55774	3.983	7.96	<30	32	76	0.2	<10	<10
55775	3.763	8.05	<30	43	72	0.2	<10	<10
55776	3.502	8.63	<30	72	160	0.2	<10	<10
55777	3.971	8.14	<30	156	95	0.2	<10	<10
55778	3.556	8.47	<30	132	152	0.2	<10	<10

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Final : SU1600960 Order:  
Report File No.: 0000008259

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55779	0.012	8.28	<30	19	130	0.2	<10	<10
55780	3.761	9.42	<30	108	95	0.2	<10	<10
55781	3.720	8.49	<30	199	131	0.1	<10	<10
55782	3.772	8.36	<30	52	45	0.1	<10	<10
55783	3.271	8.52	<30	207	210	0.2	<10	<10
55784	3.953	8.83	<30	81	181	0.2	<10	<10
55785	2.831	9.15	<30	76	95	0.3	<10	<10
55786	2.352	8.47	<30	148	133	0.3	<10	<10
55787	3.550	8.73	<30	126	228	0.2	<10	<10
55788	3.381	8.98	<30	35	228	0.3	<10	<10
55789	3.917	6.42	<30	35	73	3.6	<10	36
55790	4.901	3.61	<30	<10	11	3.9	<10	82
55791	3.828	4.13	<30	151	23	4.1	<10	80
55792	0.259	0.06	<30	83	<5	<0.1	<10	<10
55793	3.534	4.48	<30	21	83	4.3	<10	64
55794	4.425	6.91	<30	33	154	0.2	<10	<10
55795	3.899	7.59	<30	87	96	<0.1	<10	<10
55796	3.536	6.97	<30	123	76	0.2	<10	<10
55797	3.768	8.24	<30	136	160	0.1	<10	<10
55798	4.286	8.36	<30	52	141	0.2	<10	<10
55799	4.556	8.55	<30	41	184	0.1	<10	<10
55800	4.296	7.98	<30	19	140	0.1	<10	<10
55801	3.950	8.44	<30	22	160	0.1	<10	<10
55802	4.132	8.29	<30	39	193	0.2	<10	<10
55803	3.636	8.82	<30	45	120	0.2	<10	<10
55804	3.901	8.35	<30	17	111	0.2	<10	<10
55805	4.144	8.51	<30	18	99	0.2	<10	<10
55806	3.264	8.78	<30	129	159	0.1	<10	<10
55807	3.802	8.30	<30	63	146	0.1	<10	<10
55808	3.777	8.92	<30	103	243	0.2	<10	<10
*Dup 55808	<0.001	8.65	<30	102	223	0.2	<10	<10
55809	3.984	8.50	<30	227	135	0.1	<10	<10
*Rep 55764		7.39	<30	31	96	0.1	<10	<10
*Rep 55787		8.83	<30	123	216	0.2	<10	<10
*Std NBS183		13.3	<30	26	40	<0.1	<10	<10
*Std RTS-3A		5.17	<30	121	<5	2.2	<10	133
*Std SY-4		11.3	<30	337	<5	5.8	<10	<10
*Std NIST97B		21.2	<30	170	<5	<0.1	<10	<10
*Blk BLANK		<0.01	<30	<10	<5	<0.1	<10	<10

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Final : SU1600960 Order:  
Report File No.: 0000008259

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55740	63	371	1.06	3.5	<10	7219	0.12	677
55741	64	194	1.26	2.8	<10	8437	0.16	852
55742	43	<10	0.66	3.4	<10	3254	0.13	486
55743	60	97	1.18	2.7	<10	9358	0.11	849
55744	58	25	0.90	2.7	<10	10625	0.03	778
55745	16	<10	0.07	<0.1	<10	15	0.03	<10
55746	43	34	0.76	1.9	<10	5680	0.01	1046
55747	60	30	0.99	2.5	<10	8230	0.04	740
55748	75	<10	0.83	3.7	<10	6332	0.11	497
55749	52	31	0.81	2.7	<10	5117	0.05	855
55750	47	17	0.60	2.5	<10	1793	0.09	755
55751	97	<10	1.05	2.9	<10	9316	0.09	838
55752	71	<10	0.82	2.4	<10	6201	0.03	692
55753	61	10	0.89	2.4	<10	6545	0.03	695
55754	60	<10	0.68	3.0	<10	4944	0.05	628
55755	25	12	1.06	0.9	<10	13512	0.03	745
55756	60	<10	0.76	2.2	<10	6118	0.02	815
55757	62	<10	0.67	1.5	<10	4866	0.03	751
55758	83	<10	0.94	2.3	<10	6552	0.14	779
55759	106	<10	0.65	3.7	<10	4568	0.02	490
55760	92	<10	0.88	3.0	<10	5146	0.08	710
55761	76	<10	0.75	3.4	<10	3469	0.05	717
55762	79	<10	0.81	3.2	<10	5512	0.03	601
55763	19	<10	0.05	<0.1	<10	14	0.03	<10
55764	92	<10	0.84	2.9	<10	3987	0.03	481
55765	63	15	0.82	3.1	<10	6390	0.06	631
55766	52	<10	0.82	2.9	<10	5433	0.04	573
55767	97	<10	0.76	2.8	<10	7410	0.04	642
55768	69	<10	0.74	2.6	<10	4877	0.05	790
55769	51	<10	0.79	3.2	<10	6533	0.06	624
55770	50	<10	0.71	2.4	<10	4911	0.06	615
55771	61	<10	0.79	2.5	<10	3895	0.03	814
55772	41	<10	0.55	2.4	<10	1801	0.04	655
55773	35	<10	0.56	2.2	<10	114	0.05	359
*Dup 55773	36	<10	0.55	2.1	<10	97	0.04	367
55774	49	<10	0.67	2.8	<10	2568	0.02	710
55775	50	<10	0.70	3.2	<10	2766	0.02	541
55776	41	<10	0.62	2.3	<10	3147	0.05	599
55777	67	<10	0.82	3.0	<10	4000	0.10	530
55778	49	<10	0.77	2.4	<10	3532	0.10	663

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Final : SU1600960 Order:  
Report File No.: 000008259

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55779	27	<10	0.87	2.0	<10	2993	0.02	1313
55780	43	<10	0.46	4.8	<10	342	0.06	141
55781	63	<10	0.87	3.4	<10	4762	0.10	707
55782	45	<10	0.71	3.4	<10	5061	0.02	562
55783	50	<10	0.91	2.6	<10	2605	0.23	704
55784	57	<10	0.81	3.3	<10	4763	0.06	610
55785	35	<10	0.38	4.1	<10	50	0.05	106
55786	55	<10	0.70	3.9	<10	566	0.16	267
55787	53	<10	1.14	2.1	<10	626	0.43	537
55788	37	<10	0.57	2.2	<10	25	0.21	173
55789	800	<10	3.14	0.3	<10	149	6.72	807
55790	2278	53	6.98	<0.1	<10	82	15.4	1291
55791	2134	103	6.90	1.5	<10	376	14.7	1080
55792	26	<10	0.07	<0.1	<10	<10	0.11	<10
55793	1602	74	5.03	<0.1	<10	26	12.0	1218
55794	78	<10	0.57	0.4	<10	19	0.16	121
55795	71	<10	0.40	4.4	<10	11	0.05	65
55796	52	22	0.59	3.6	<10	462	0.13	193
55797	64	<10	0.83	3.4	<10	5033	0.08	596
55798	55	<10	0.64	3.0	<10	4925	0.03	525
55799	64	<10	0.66	2.4	<10	6372	0.03	719
55800	52	<10	0.65	2.0	<10	7041	0.02	828
55801	40	<10	0.61	1.7	<10	4989	0.02	726
55802	40	<10	0.64	2.7	<10	5525	0.03	729
55803	38	<10	0.61	2.1	<10	5523	0.03	869
55804	84	<10	0.62	2.6	<10	7303	0.01	955
55805	49	<10	0.60	1.9	<10	3593	0.02	1023
55806	42	<10	0.79	3.3	<10	6887	0.07	747
55807	55	<10	0.80	2.6	<10	7497	0.03	719
55808	50	<10	0.70	3.0	<10	3197	0.06	576
*Dup 55808	89	<10	0.70	2.9	<10	2962	0.06	552
55809	45	<10	0.81	2.8	<10	6354	0.09	733
*Rep 55764	66	<10	0.81	2.9	<10	4062	0.03	495
*Rep 55787	41	<10	1.14	2.1	<10	635	0.44	546
*Std NBS183	22	<10	0.10	7.1	<10	18492	<0.01	912
*Std RTS-3A	193	2458	20.8	0.5	11	16	2.61	1597
*Std SY-4	14	<10	4.50	1.5	55	40	0.32	838
*Std NIST97B	233	21	0.85	0.6	21	548	0.11	45
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600960 Order:  
Report File No.: 0000008259

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55740	<10	48	0.02	<20	<50	<5	<50	74
55741	<10	27	0.03	<20	<50	<5	<50	74
55742	<10	<10	0.01	<20	<50	<5	<50	56
55743	<10	16	0.02	<20	<50	<5	<50	66
55744	<10	<10	<0.01	<20	<50	<5	<50	43
55745	<10	<10	<0.01	<20	<50	<5	<50	28
55746	<10	<10	0.02	<20	<50	<5	<50	33
55747	<10	<10	0.03	<20	<50	<5	<50	40
55748	<10	<10	0.01	<20	<50	<5	<50	100
55749	<10	<10	0.01	<20	<50	<5	<50	43
55750	<10	<10	0.03	<20	<50	<5	<50	42
55751	17	<10	<0.01	<20	<50	<5	<50	60
55752	<10	<10	0.01	<20	<50	<5	<50	33
55753	<10	<10	0.01	<20	<50	<5	<50	34
55754	<10	<10	0.01	<20	<50	<5	<50	36
55755	<10	<10	<0.01	<20	<50	<5	<50	32
55756	<10	<10	0.01	<20	<50	<5	<50	33
55757	10	<10	0.02	<20	<50	<5	<50	30
55758	29	<10	0.02	<20	<50	<5	<50	45
55759	121	<10	0.01	21	<50	<5	<50	40
55760	283	<10	<0.01	<20	<50	<5	<50	45
55761	<10	<10	<0.01	<20	<50	<5	<50	43
55762	1180	<10	<0.01	<20	<50	<5	<50	50
55763	<10	<10	<0.01	22	<50	<5	<50	28
55764	19	<10	<0.01	<20	<50	<5	<50	33
55765	<10	<10	<0.01	<20	<50	<5	<50	48
55766	<10	<10	<0.01	<20	<50	<5	<50	39
55767	13	<10	<0.01	<20	<50	<5	<50	37
55768	<10	<10	0.01	<20	<50	<5	<50	38
55769	28	<10	<0.01	21	<50	<5	<50	46
55770	<10	<10	<0.01	<20	<50	<5	<50	38
55771	40	<10	0.01	<20	<50	<5	<50	31
55772	16	<10	<0.01	<20	<50	<5	<50	32
55773	32	<10	<0.01	<20	<50	<5	<50	29
*Dup 55773	30	29	<0.01	<20	<50	<5	<50	29
55774	<10	<10	<0.01	<20	<50	<5	<50	33
55775	44	<10	0.01	21	<50	<5	<50	37
55776	23	<10	0.01	<20	<50	<5	<50	31
55777	10	<10	0.01	<20	<50	<5	<50	48
55778	<10	<10	<0.01	<20	<50	<5	<50	42

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Final : SU1600960 Order:

Report File No.: 000008259

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55779	<10	<10	0.01	<20	<50	<5	<50	29
55780	<10	<10	0.02	<20	<50	<5	<50	53
55781	16	<10	0.01	<20	<50	<5	<50	62
55782	18	<10	0.01	<20	<50	<5	<50	45
55783	<10	<10	0.01	<20	<50	<5	<50	48
55784	13	<10	0.01	<20	<50	<5	<50	51
55785	<10	<10	0.01	<20	<50	<5	<50	48
55786	<10	<10	0.02	<20	<50	<5	<50	49
55787	18	<10	0.02	<20	<50	<5	<50	44
55788	<10	<10	<0.01	<20	<50	<5	<50	31
55789	<10	627	0.03	<20	<50	7	<50	127
55790	<10	1182	<0.01	41	<50	22	<50	31
55791	<10	1084	0.03	<20	<50	21	<50	41
55792	<10	11	<0.01	24	<50	<5	<50	20
55793	<10	899	<0.01	178	<50	15	<50	58
55794	<10	<10	<0.01	<20	<50	<5	<50	55
55795	11	<10	0.01	23	<50	<5	<50	40
55796	<10	<10	0.01	<20	<50	<5	<50	58
55797	<10	<10	0.01	<20	<50	<5	<50	62
55798	20	<10	0.01	<20	<50	<5	<50	46
55799	32	<10	0.01	<20	<50	<5	<50	38
55800	<10	<10	<0.01	<20	<50	<5	<50	37
55801	<10	<10	0.01	<20	<50	<5	<50	31
55802	<10	<10	<0.01	<20	<50	<5	<50	46
55803	<10	<10	0.01	<20	<50	<5	<50	45
55804	<10	45	0.02	<20	<50	<5	<50	50
55805	<10	<10	0.02	<20	<50	<5	<50	46
55806	<10	<10	0.01	<20	<50	<5	<50	58
55807	<10	<10	0.01	<20	<50	<5	<50	48
55808	<10	33	0.02	<20	<50	<5	<50	60
*Dup 55808	<10	<10	0.03	<20	<50	<5	<50	57
55809	<10	<10	0.01	<20	<50	<5	<50	58
*Rep 55764	19	<10	<0.01	<20	<50	<5	<50	35
*Rep 55787	12	<10	0.02	<20	<50	<5	<50	44
*Std NBS183	<10	<10	0.01	<20	<50	<5	345	340
*Std RTS-3A	<10	61	0.05	230	<50	14	273	51
*Std SY-4	<10	<10	0.06	<20	<50	<5	<50	1183
*Std NIST97B	11	32	0.03	<20	<50	21	<50	89
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Element	Ti	V	W	Y	Zn
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	0.01	10	50	5	10
Units	%	ppm	ppm	ppm	ppm
55740	<0.01	<10	<50	<5	56
55741	<0.01	<10	<50	<5	105
55742	<0.01	<10	<50	<5	59
55743	<0.01	<10	<50	<5	83
55744	<0.01	<10	<50	<5	82
55745	0.02	<10	<50	<5	<10
55746	<0.01	<10	<50	<5	73
55747	<0.01	<10	<50	<5	76
55748	<0.01	<10	<50	<5	59
55749	<0.01	<10	<50	<5	79
55750	<0.01	<10	<50	<5	122
55751	<0.01	<10	<50	<5	1155
55752	<0.01	<10	<50	<5	157
55753	<0.01	<10	<50	<5	98
55754	<0.01	<10	<50	<5	92
55755	<0.01	<10	<50	<5	113
55756	<0.01	<10	<50	<5	130
55757	<0.01	<10	<50	<5	102
55758	<0.01	<10	<50	<5	91
55759	<0.01	<10	<50	<5	328
55760	<0.01	<10	<50	<5	231
55761	<0.01	<10	<50	<5	228
55762	<0.01	<10	<50	<5	198
55763	0.02	<10	<50	<5	<10
55764	<0.01	<10	<50	<5	115
55765	<0.01	<10	<50	<5	98
55766	<0.01	<10	<50	<5	88
55767	<0.01	<10	<50	<5	63
55768	<0.01	<10	<50	<5	113
55769	<0.01	<10	<50	<5	173
55770	<0.01	<10	<50	<5	106
55771	<0.01	<10	<50	<5	118
55772	<0.01	<10	<50	<5	263
55773	<0.01	<10	<50	<5	15
*Dup 55773	<0.01	<10	<50	<5	12
55774	<0.01	<10	<50	<5	64
55775	<0.01	<10	<50	<5	102
55776	<0.01	<10	<50	<5	92
55777	<0.01	<10	<50	<5	77
55778	<0.01	<10	<50	<5	59

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Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55779	<0.01	<10	<50	<5	55
55780	<0.01	<10	<50	<5	10
55781	<0.01	<10	<50	<5	60
55782	<0.01	<10	<50	<5	42
55783	<0.01	<10	<50	<5	53
55784	<0.01	<10	<50	<5	57
55785	<0.01	<10	<50	<5	<10
55786	<0.01	<10	<50	<5	18
55787	<0.01	<10	<50	<5	12
55788	<0.01	<10	<50	<5	<10
55789	0.05	36	<50	<5	101
55790	0.17	126	<50	6	133
55791	0.18	124	<50	6	71
55792	0.02	<10	<50	<5	<10
55793	0.13	92	<50	<5	599
55794	<0.01	<10	<50	<5	363
55795	<0.01	<10	<50	<5	32
55796	<0.01	<10	<50	<5	2268
55797	<0.01	<10	<50	<5	98
55798	<0.01	<10	<50	<5	88
55799	<0.01	<10	<50	<5	98
55800	<0.01	<10	<50	<5	84
55801	<0.01	<10	<50	<5	61
55802	<0.01	<10	<50	<5	86
55803	<0.01	<10	<50	<5	98
55804	<0.01	<10	<50	<5	114
55805	<0.01	<10	<50	<5	86
55806	<0.01	<10	<50	<5	81
55807	<0.01	<10	<50	<5	112
55808	<0.01	<10	<50	<5	113
*Dup 55808	<0.01	<10	<50	<5	124
55809	<0.01	<10	<50	<5	192
*Rep 55764	<0.01	<10	<50	<5	115
*Rep 55787	<0.01	<10	<50	<5	10
*Std NBS183	<0.01	<10	<50	<5	27
*Std RTS-3A	0.38	116	<50	16	3044
*Std SY-4	0.17	<10	<50	115	97
*Std NIST97B	1.42	234	<50	34	87
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600961**  
**[Report File No.: 000008261]**

Date: November 04, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Oct 26, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
66	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples prepared at SGS Garson site

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600961 Order:  
Report File No.: 0000008261

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55810	0.018	8.62	<30	38	192	0.1	<10	13
55811	4.173	7.69	<30	94	8	0.2	<10	<10
55812	3.797	7.98	<30	106	23	0.2	<10	<10
55813	0.215	0.06	<30	88	<5	0.4	<10	<10
55814	3.936	7.77	<30	45	76	0.1	<10	<10
55815	3.461	7.82	<30	38	31	0.2	<10	<10
55816	4.114	8.02	<30	32	28	0.2	<10	<10
55817	3.850	8.02	<30	83	87	0.2	<10	<10
55818	3.956	7.69	<30	70	80	0.2	<10	<10
55819	3.959	8.30	<30	29	107	0.2	<10	<10
55820	3.796	7.98	<30	42	74	0.2	<10	<10
55821	3.996	7.86	<30	75	24	0.1	<10	<10
55822	4.473	7.66	<30	161	27	0.2	<10	<10
55823	4.589	8.44	<30	149	58	0.2	<10	<10
55824	3.677	8.64	<30	220	42	0.1	<10	<10
55825	4.311	8.35	<30	206	87	0.2	<10	<10
55826	4.198	9.31	<30	464	24	0.1	<10	<10
55827	3.494	9.58	<30	439	44	0.2	<10	<10
55828	0.018	7.78	<30	19	129	0.2	<10	<10
55829	4.153	9.77	<30	400	163	0.1	<10	<10
55830	4.376	10.2	<30	211	224	0.1	<10	<10
55831	2.716	9.97	<30	277	97	<0.1	<10	<10
55832	4.518	8.29	<30	176	132	0.2	<10	<10
55833	0.326	0.06	<30	85	<5	<0.1	<10	<10
55834	4.133	8.03	<30	93	167	0.2	<10	<10
55835	4.088	7.80	<30	129	119	0.2	<10	<10
55836	5.312	7.82	<30	113	120	0.2	<10	<10
55837	3.755	7.92	<30	42	69	0.2	<10	<10
55838	3.399	8.49	<30	17	180	0.2	<10	<10
55839	4.343	7.92	<30	58	127	0.2	<10	<10
55840	4.202	8.60	<30	20	186	0.2	<10	<10
55841	4.290	8.09	<30	20	262	0.2	<10	<10
55842	3.921	7.81	<30	15	173	0.3	<10	<10
55843	4.872	5.49	<30	43	28	4.7	<10	67
*Dup 55843	<0.001	5.40	<30	45	29	4.7	<10	64
55844	4.515	3.19	<30	30	10	4.9	<10	87
55845	0.268	0.14	<30	89	<5	0.1	<10	<10
55846	4.232	4.80	<30	247	20	4.2	<10	75
55847	4.451	5.48	<30	310	26	2.7	<10	85
55848	3.584	6.43	52	279	23	2.3	<10	67

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Final : SU1600961 Order:  
Report File No.: 0000008261

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55849	3.869	9.12	<30	26	40	0.3	<10	<10
55850	3.936	8.65	<30	38	143	0.3	<10	<10
55851	3.579	7.43	<30	110	71	2.1	<10	36
55852	4.284	2.91	<30	10	9	5.4	<10	86
55853	0.013	8.17	<30	18	128	0.2	<10	<10
55854	4.159	2.79	<30	<10	10	6.2	<10	79
55855	4.071	6.25	43	39	123	3.8	<10	46
55856	3.801	9.45	<30	21	123	0.3	<10	<10
55857	4.058	8.08	<30	28	117	0.3	<10	<10
55858	3.849	8.89	<30	94	297	0.2	<10	<10
55859	4.109	8.49	<30	95	177	0.2	<10	<10
55860	3.937	8.36	<30	79	143	0.2	<10	<10
55861	4.128	8.46	<30	26	96	0.2	<10	<10
55862	3.982	8.84	<30	29	117	0.2	<10	<10
55863	3.936	7.96	<30	87	193	0.2	<10	<10
55864	3.960	8.56	<30	47	96	0.1	<10	<10
55865	3.995	8.78	<30	56	197	0.2	<10	<10
55866	3.778	9.46	<30	63	88	0.2	<10	<10
55867	3.770	9.86	<30	31	111	0.4	<10	<10
55868	4.201	9.19	<30	58	135	0.2	<10	<10
55869	3.694	10.3	<30	24	80	0.3	<10	<10
55870	3.808	8.73	<30	289	91	0.3	<10	<10
55871	3.794	8.34	<30	485	100	0.2	<10	<10
55872	3.809	8.49	<30	287	146	0.2	<10	<10
55873	3.075	8.75	<30	153	127	0.2	<10	<10
55874	0.014	9.19	<30	35	189	0.1	<10	18
55875	4.000	8.58	<30	138	78	0.2	<10	<10
55876	3.940	9.11	<30	200	98	0.2	<10	<10
55877	4.158	8.49	<30	113	99	0.2	<10	<10
55878	3.921	8.44	<30	66	36	0.2	<10	<10
*Dup 55878	<0.001	8.74	<30	64	34	0.2	<10	<10
55879	3.836	8.27	<30	57	100	0.2	<10	<10
*Rep 55824		8.72	<30	221	43	0.2	<10	<10
*Rep 55869		11.0	<30	25	79	0.3	<10	<10
*Std NBS183		12.5	<30	30	40	<0.1	<10	<10
*Std RTS-3A		5.22	<30	125	<5	2.3	<10	134
*Std SY-4		11.0	<30	350	<5	5.8	<10	<10
*Std NIST97B		21.6	<30	168	<5	0.1	<10	<10
*Blk BLANK		<0.01	<30	<10	<5	<0.1	<10	<10

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Final : SU1600961 Order:  
Report File No.: 0000008261

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55810	22	14	1.08	0.9	<10	13942	0.03	711
55811	29	<10	0.79	2.7	<10	6225	0.04	919
55812	19	<10	0.70	3.5	<10	4266	0.05	515
55813	<10	<10	0.04	<0.1	<10	12	0.03	<10
55814	24	<10	0.71	3.2	<10	6749	0.02	668
55815	28	13	0.63	3.1	<10	4633	0.02	625
55816	24	11	0.75	2.8	<10	7034	0.02	572
55817	25	11	0.75	2.4	<10	6413	0.05	844
55818	47	11	0.76	2.0	<10	8113	0.03	768
55819	22	<10	0.60	2.4	<10	6381	0.01	608
55820	41	<10	0.63	2.0	<10	6037	0.02	679
55821	24	<10	0.72	2.1	<10	5242	0.05	814
55822	38	<10	0.72	2.6	<10	3962	0.08	739
55823	15	<10	0.44	3.5	<10	124	0.07	183
55824	26	<10	0.47	5.8	<10	37	0.08	96
55825	19	<10	0.65	4.1	<10	844	0.14	376
55826	16	15	0.25	12.3	<10	25	0.04	56
55827	11	<10	0.22	11.9	<10	<10	0.02	45
55828	23	12	0.85	1.9	<10	3052	0.02	1248
55829	12	<10	0.39	9.9	<10	44	0.08	94
55830	<10	<10	0.28	6.7	<10	15	0.03	55
55831	18	<10	0.21	7.5	<10	<10	<0.01	36
55832	25	<10	0.79	4.3	<10	2589	0.15	434
55833	<10	<10	0.05	<0.1	<10	16	0.02	<10
55834	38	<10	0.60	2.6	<10	5374	0.05	640
55835	39	<10	0.59	2.5	<10	1904	0.09	797
55836	26	<10	0.70	2.8	<10	4392	0.07	969
55837	39	<10	0.75	2.2	<10	4463	0.03	1412
55838	18	<10	0.62	2.2	<10	5430	0.01	933
55839	35	<10	0.70	2.4	<10	6145	0.06	919
55840	22	<10	0.49	1.1	<10	3631	0.02	484
55841	27	<10	0.46	0.1	<10	28	0.04	322
55842	18	<10	0.43	0.1	<10	22	0.03	582
55843	1828	15	6.15	0.3	<10	221	9.64	1832
*Dup 55843	1731	14	6.21	0.3	<10	218	9.53	1844
55844	2221	49	6.59	0.2	<10	90	15.4	1500
55845	23	<10	0.11	<0.1	<10	<10	0.11	17
55846	1689	112	7.95	2.2	<10	652	12.8	1754
55847	2178	22	8.07	3.4	<10	1049	13.0	1704
55848	1837	10	6.62	3.8	<10	1115	9.93	1325

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Final : SU1600961 Order:  
Report File No.: 0000008261

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55849	30	<10	0.36	<0.1	<10	46	0.12	114
55850	22	<10	0.50	0.2	<10	1203	0.10	304
55851	652	<10	3.41	1.1	<10	351	6.12	648
55852	2129	154	6.85	<0.1	<10	40	14.8	1234
55853	24	<10	0.88	2.0	<10	3076	0.03	1294
55854	1700	67	5.98	<0.1	<10	41	15.0	1196
55855	1141	<10	4.09	1.1	<10	358	8.24	991
55856	20	<10	0.32	0.9	<10	83	0.04	304
55857	24	<10	0.61	1.6	<10	4305	0.03	576
55858	45	<10	0.81	3.1	<10	8934	0.05	744
55859	25	<10	0.69	3.2	<10	6339	0.04	572
55860	37	<10	0.67	2.3	<10	4605	0.06	549
55861	21	<10	0.61	2.5	<10	5952	0.02	560
55862	28	168	0.45	5.9	<10	3019	0.01	286
55863	24	<10	0.68	1.8	<10	7433	0.04	626
55864	42	<10	0.71	3.6	<10	6797	0.02	657
55865	20	<10	0.61	1.6	<10	7420	0.03	726
55866	28	<10	0.57	0.7	<10	2884	0.06	682
55867	12	<10	0.38	0.3	<10	504	0.02	524
55868	138	<10	0.51	0.5	<10	4043	0.04	553
55869	<10	<10	0.34	0.3	<10	428	0.03	421
55870	34	<10	0.75	2.4	<10	2500	0.23	406
55871	23	<10	1.40	4.5	<10	1467	0.43	525
55872	33	<10	0.80	3.5	<10	2693	0.17	481
55873	20	<10	0.56	2.6	<10	1176	0.10	323
55874	24	14	1.08	0.9	<10	14332	0.03	730
55875	37	<10	0.72	2.6	<10	5863	0.09	564
55876	18	<10	0.61	4.4	<10	3277	0.07	422
55877	28	<10	0.70	2.4	<10	5883	0.05	991
55878	30	<10	0.67	2.0	<10	6423	0.03	1328
*Dup 55878	23	<10	0.69	2.0	<10	6727	0.03	1361
55879	32	<10	0.50	2.7	<10	2525	0.04	563
*Rep 55824	23	<10	0.46	5.8	<10	54	0.08	97
*Rep 55869	10	<10	0.34	0.3	<10	440	0.03	439
*Std NBS183	15	<10	0.10	6.7	<10	18552	<0.01	869
*Std RTS-3A	199	2474	21.1	0.5	10	29	2.53	1578
*Std SY-4	16	17	4.54	1.5	59	46	0.32	828
*Std NIST97B	230	21	0.88	0.5	23	553	0.11	47
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55810	<10	<10	<0.01	<20	<50	<5	<50	34
55811	<10	<10	<0.01	<20	<50	<5	<50	48
55812	<10	<10	<0.01	<20	<50	<5	<50	53
55813	<10	<10	<0.01	21	<50	<5	<50	26
55814	<10	<10	<0.01	<20	<50	<5	<50	48
55815	<10	<10	<0.01	<20	<50	<5	<50	43
55816	<10	<10	<0.01	<20	<50	<5	<50	43
55817	<10	<10	<0.01	<20	<50	<5	<50	47
55818	104	<10	<0.01	<20	<50	<5	<50	47
55819	<10	<10	<0.01	<20	<50	<5	<50	34
55820	<10	<10	<0.01	<20	<50	<5	<50	42
55821	<10	<10	<0.01	<20	<50	<5	<50	45
55822	28	<10	<0.01	<20	<50	<5	<50	54
55823	24	<10	<0.01	<20	<50	<5	<50	53
55824	<10	<10	<0.01	<20	<50	<5	<50	47
55825	<10	<10	0.01	<20	<50	<5	<50	57
55826	<10	<10	0.01	20	<50	<5	<50	58
55827	35	<10	<0.01	<20	<50	<5	<50	55
55828	<10	<10	<0.01	<20	<50	<5	<50	31
55829	45	<10	<0.01	49	<50	<5	<50	58
55830	15	<10	0.01	<20	<50	<5	<50	49
55831	<10	<10	<0.01	<20	<50	<5	<50	43
55832	<10	<10	0.01	21	<50	<5	<50	44
55833	<10	<10	<0.01	31	<50	<5	<50	22
55834	<10	<10	0.01	24	<50	<5	<50	47
55835	14	<10	<0.01	22	<50	<5	<50	47
55836	10	<10	<0.01	22	<50	<5	<50	53
55837	40	<10	<0.01	<20	<50	<5	<50	35
55838	<10	<10	0.02	21	<50	<5	<50	33
55839	<10	<10	0.02	22	<50	<5	<50	38
55840	<10	<10	0.02	<20	<50	<5	<50	27
55841	<10	<10	<0.01	<20	<50	<5	<50	25
55842	<10	<10	0.01	<20	<50	<5	<50	70
55843	<10	1004	0.03	24	<50	15	<50	343
*Dup 55843	<10	997	0.02	26	<50	15	<50	329
55844	<10	1493	<0.01	<20	<50	19	<50	56
55845	<10	10	<0.01	27	<50	<5	<50	32
55846	<10	832	0.09	<20	<50	28	<50	61
55847	12	1004	0.03	<20	<50	34	<50	52
55848	<10	854	0.02	92	<50	33	<50	90

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Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55849	<10	<10	0.01	52	<50	<5	<50	104
55850	<10	<10	0.02	47	<50	<5	<50	37
55851	<10	385	0.04	<20	<50	6	<50	97
55852	<10	1326	0.01	<20	<50	18	<50	48
55853	<10	<10	0.01	23	<50	<5	<50	31
55854	<10	1219	0.03	219	<50	16	<50	73
55855	<10	742	0.03	42	<50	9	<50	187
55856	<10	<10	<0.01	<20	<50	<5	<50	41
55857	<10	<10	0.02	<20	<50	<5	<50	34
55858	<10	<10	0.02	23	<50	<5	<50	47
55859	21	<10	0.02	23	<50	<5	<50	43
55860	<10	<10	0.02	<20	<50	<5	<50	44
55861	<10	<10	0.02	<20	<50	<5	<50	36
55862	<10	<10	0.01	31	<50	<5	<50	64
55863	<10	<10	0.01	23	<50	<5	<50	45
55864	<10	<10	0.01	24	<50	<5	<50	50
55865	<10	<10	0.01	<20	<50	<5	<50	34
55866	<10	<10	<0.01	<20	<50	<5	<50	39
55867	<10	<10	<0.01	<20	<50	<5	<50	33
55868	<10	507	0.01	22	<50	<5	<50	29
55869	<10	<10	<0.01	<20	<50	<5	<50	39
55870	<10	<10	0.01	<20	<50	<5	<50	66
55871	<10	<10	0.02	20	<50	<5	<50	80
55872	<10	<10	0.02	<20	<50	<5	<50	60
55873	<10	<10	0.02	<20	<50	<5	<50	71
55874	<10	<10	<0.01	<20	<50	<5	<50	36
55875	<10	<10	0.01	<20	<50	<5	<50	64
55876	<10	<10	0.01	<20	<50	<5	<50	70
55877	<10	<10	<0.01	21	<50	<5	<50	42
55878	<10	<10	<0.01	21	<50	<5	<50	45
*Dup 55878	<10	<10	<0.01	<20	<50	<5	<50	46
55879	<10	<10	0.01	20	<50	<5	<50	48
*Rep 55824	<10	<10	<0.01	<20	<50	<5	<50	47
*Rep 55869	<10	<10	<0.01	<20	<50	<5	<50	40
*Std NBS183	<10	<10	0.01	<20	<50	<5	340	346
*Std RTS-3A	<10	58	0.05	231	<50	15	286	58
*Std SY-4	<10	<10	0.06	<20	<50	<5	<50	1220
*Std NIST97B	13	56	0.03	<20	<50	22	<50	97
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600961 Order:

Report File No.: 0000008261

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55810	<0.01	<10	<50	<5	115
55811	<0.01	<10	<50	<5	98
55812	<0.01	<10	<50	<5	119
55813	0.02	<10	<50	<5	<10
55814	<0.01	<10	<50	<5	170
55815	<0.01	<10	<50	<5	63
55816	<0.01	<10	<50	<5	104
55817	<0.01	<10	<50	<5	108
55818	<0.01	<10	<50	<5	116
55819	<0.01	<10	<50	<5	71
55820	<0.01	<10	<50	<5	77
55821	<0.01	<10	<50	<5	272
55822	<0.01	<10	<50	<5	126
55823	<0.01	<10	<50	<5	20
55824	<0.01	<10	<50	<5	20
55825	<0.01	<10	<50	<5	32
55826	<0.01	<10	<50	<5	47
55827	<0.01	<10	<50	<5	58
55828	<0.01	<10	<50	<5	56
55829	<0.01	<10	<50	<5	56
55830	<0.01	<10	<50	<5	54
55831	<0.01	<10	<50	<5	11
55832	<0.01	<10	<50	<5	33
55833	0.02	<10	<50	<5	<10
55834	<0.01	<10	<50	<5	100
55835	<0.01	<10	<50	<5	90
55836	<0.01	<10	<50	<5	119
55837	<0.01	<10	<50	<5	145
55838	<0.01	<10	<50	<5	87
55839	<0.01	<10	<50	<5	115
55840	<0.01	<10	<50	<5	57
55841	0.01	<10	<50	<5	19
55842	<0.01	<10	<50	<5	67
55843	0.13	99	<50	5	168
*Dup 55843	0.13	95	<50	<5	165
55844	0.17	111	<50	6	102
55845	0.02	<10	<50	<5	<10
55846	0.28	170	<50	10	77
55847	0.35	214	<50	11	66
55848	0.30	169	<50	<5	146

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Final : SU1600961 Order:

Report File No.: 0000008261

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55849	<0.01	<10	<50	<5	119
55850	<0.01	<10	<50	<5	144
55851	0.05	44	<50	<5	83
55852	0.15	116	<50	6	57
55853	<0.01	<10	<50	<5	60
55854	0.13	94	<50	6	444
55855	0.09	53	<50	<5	545
55856	<0.01	<10	<50	<5	126
55857	<0.01	<10	<50	<5	67
55858	<0.01	<10	<50	<5	82
55859	<0.01	<10	<50	<5	65
55860	<0.01	<10	<50	<5	75
55861	<0.01	<10	<50	<5	116
55862	<0.01	<10	<50	<5	57
55863	<0.01	<10	<50	<5	74
55864	<0.01	<10	<50	<5	119
55865	<0.01	<10	<50	<5	61
55866	<0.01	<10	<50	<5	56
55867	<0.01	<10	<50	<5	33
55868	<0.01	<10	<50	<5	52
55869	<0.01	<10	<50	<5	161
55870	<0.01	<10	<50	<5	51
55871	<0.01	<10	<50	<5	41
55872	<0.01	<10	<50	<5	72
55873	<0.01	<10	<50	<5	28
55874	<0.01	<10	<50	<5	111
55875	<0.01	<10	<50	<5	97
55876	<0.01	<10	<50	<5	65
55877	<0.01	<10	<50	<5	61
55878	<0.01	<10	<50	<5	38
*Dup 55878	<0.01	<10	<50	<5	37
55879	<0.01	<10	<50	<5	85
*Rep 55824	<0.01	<10	<50	<5	20
*Rep 55869	<0.01	<10	<50	<5	161
*Std NBS183	<0.01	<10	<50	<5	28
*Std RTS-3A	0.38	119	<50	16	3078
*Std SY-4	0.17	<10	<50	121	103
*Std NIST97B	1.41	232	<50	36	71
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600962**  
**[Report File No.: 000008253]**

Date: November 04, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 49  
 Received: Oct 26, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
49	SHIP	Shipping
49	G_PKP01	Sample collection / pick up
49	G_WGH79	Weighing of samples and reporting of weights
48	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
49	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

**Comments:**

Samples were prepared at SGS Garson iste

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600962 Order:  
Report File No.: 0000008253

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55880	3.989	8.86	<30	90	150	0.2	<10	<10
55881	3.903	8.88	<30	234	97	0.2	<10	<10
55882	3.949	9.51	<30	170	158	0.1	<10	<10
55883	3.710	8.19	<30	130	154	0.1	<10	<10
55884	4.123	8.41	<30	25	135	0.1	<10	<10
55885	4.258	8.28	<30	39	125	0.1	<10	<10
55886	3.821	8.02	<30	131	121	0.1	<10	<10
55887	4.261	8.05	<30	74	24	0.1	<10	<10
55888	3.946	8.46	<30	65	36	0.1	<10	<10
55889	4.140	8.43	<30	41	73	<0.1	<10	<10
55890	3.982	8.23	<30	35	129	<0.1	<10	<10
55891	4.062	8.26	<30	75	217	0.1	<10	<10
55892	3.961	8.49	<30	81	80	0.1	<10	<10
55893	4.005	8.68	<30	31	83	0.2	<10	<10
55894	3.769	8.38	<30	78	101	0.1	<10	<10
55895	4.006	8.17	<30	77	58	0.1	<10	<10
55896	3.923	8.18	<30	188	50	0.1	<10	<10
55897	3.767	8.97	<30	105	112	0.1	<10	<10
55898	4.032	8.46	<30	213	126	0.1	<10	<10
55899	4.130	8.75	<30	85	23	0.1	<10	<10
55900	3.733	8.60	<30	83	89	<0.1	<10	<10
55901	0.021	8.42	<30	20	126	0.1	<10	<10
55902	4.013	9.01	<30	77	137	0.1	<10	<10
55903	4.126	8.84	<30	36	85	0.1	<10	<10
55904	3.341	8.75	<30	46	193	0.2	<10	<10
55905	3.978	8.47	<30	182	108	1.3	<10	19
55906	4.946	5.84	<30	181	100	8.2	<10	53
55907	4.363	6.03	<30	562	82	7.0	<10	58
55908	4.502	6.45	<30	1217	69	5.8	<10	62
55909	4.392	5.44	<30	388	79	7.2	<10	64
55910	4.459	4.67	<30	482	42	5.1	<10	66
55911	4.510	4.22	<30	469	32	5.1	<10	70
55912	4.085	6.28	<30	741	31	3.0	<10	77
55913	4.432	8.70	<30	380	122	1.7	<10	33
*Dup 55913	<0.001	8.99	<30	370	134	1.6	<10	32
55914	3.590	8.95	<30	362	256	0.2	<10	<10
55915	4.064	8.68	<30	111	253	0.1	<10	<10
55916	4.027	8.87	<30	235	108	0.1	<10	<10
55917	4.007	8.50	<30	188	109	<0.1	<10	<10
55918	3.501	10.3	<30	56	59	0.2	<10	<10

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Final : SU1600962 Order:  
Report File No.: 0000008253

Element	WtKg	Al	As	Ba	Be	Ca	Cd	Co
Method	G_WGH79	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	0.001	0.01	30	10	5	0.1	10	10
Units	kg	%	ppm	ppm	ppm	%	ppm	ppm
55919	4.711	10.9	<30	31	30	0.3	<10	<10
55920	3.605	10.9	<30	23	32	0.3	<10	<10
55921	4.047	10.5	<30	26	54	0.2	<10	<10
55922	3.755	8.87	<30	18	175	0.3	<10	<10
55923	3.936	8.95	<30	21	162	0.2	<10	<10
55924	3.371	9.21	<30	23	146	0.2	<10	<10
55925	3.206	9.52	<30	20	86	0.4	<10	<10
55926	4.070	6.96	<30	332	53	3.0	<10	44
55927	3.814	3.04	<30	321	20	6.1	<10	78
55928	4.256	4.89	<30	<10	9	4.0	<10	97
*Rep 55889		8.59	<30	39	73	<0.1	<10	<10
*Rep 55913		8.89	<30	393	125	1.7	<10	34
*Std NBS183		13.2	<30	27	42	<0.1	<10	<10
*Std RTS-3A		5.21	37	122	<5	2.2	<10	133
*Std SY-4		11.4	<30	346	<5	5.8	<10	<10
*Blk BLANK		<0.01	<30	<10	<5	<0.1	<10	<10

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Final : SU1600962 Order:

Report File No.: 000008253

Element Method DetLim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55880	46	<10	0.59	3.1	<10	4315	0.06	586
55881	134	<10	1.42	3.1	<10	7210	0.73	710
55882	39	<10	0.86	4.0	<10	8204	0.16	604
55883	31	<10	0.85	1.1	<10	8858	0.10	839
55884	32	<10	0.64	1.7	<10	6574	0.02	804
55885	22	<10	0.74	1.3	<10	7290	0.04	973
55886	45	<10	0.98	1.3	<10	6722	0.18	1584
55887	24	<10	0.78	3.0	<10	5479	0.06	974
55888	33	<10	0.77	3.5	<10	4348	0.04	566
55889	27	<10	0.85	2.0	<10	10883	0.04	676
55890	42	<10	0.70	3.0	<10	7499	0.03	624
55891	24	<10	0.73	3.3	<10	8326	0.03	487
55892	32	<10	0.66	3.1	<10	4364	0.05	521
55893	35	<10	0.64	1.8	<10	2616	0.02	886
55894	37	<10	0.59	2.8	<10	1927	0.04	620
55895	21	<10	0.64	2.4	<10	2490	0.05	869
55896	36	<10	0.75	2.7	<10	4133	0.09	639
55897	37	<10	0.73	2.9	<10	7298	0.05	553
55898	40	<10	0.72	2.2	<10	8091	0.08	671
55899	24	<10	0.60	2.3	<10	1635	0.04	511
55900	32	<10	0.65	2.1	<10	4112	0.06	842
55901	28	<10	0.89	2.0	<10	3063	0.02	1321
55902	23	<10	0.55	2.0	<10	3256	0.05	576
55903	34	<10	0.64	2.3	<10	6051	0.03	790
55904	22	<10	0.44	3.7	<10	1016	0.06	271
55905	324	<10	2.13	1.0	<10	237	2.18	738
55906	976	<10	8.67	0.4	61	380	8.55	2937
55907	1472	<10	8.49	1.1	28	504	9.27	2284
55908	1707	<10	8.12	1.9	<10	736	10.6	1671
55909	1352	<10	7.49	1.2	13	515	11.0	1863
55910	1750	<10	7.05	2.5	<10	827	11.4	1314
55911	1597	18	7.27	2.6	<10	803	12.3	1362
55912	1279	<10	7.89	3.8	35	1281	12.1	1346
55913	625	<10	3.61	1.7	<10	559	5.04	883
*Dup 55913	590	<10	3.31	1.6	<10	508	4.51	832
55914	36	<10	0.85	1.2	<10	6488	0.22	820
55915	42	<10	0.83	1.2	<10	9286	0.04	1043
55916	33	<10	0.89	1.6	<10	7241	0.11	837
55917	34	<10	0.80	2.4	<10	7560	0.09	757
55918	16	<10	0.41	0.7	<10	440	0.05	555

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Final : SU1600962 Order:

Report File No.: 0000008253

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55919	18	<10	0.38	0.1	<10	188	0.06	258
55920	14	<10	0.28	<0.1	<10	<10	0.02	118
55921	15	<10	0.29	0.1	<10	11	0.03	194
55922	17	<10	0.40	0.8	<10	31	0.01	333
55923	24	<10	0.36	0.4	<10	20	0.03	251
55924	17	<10	0.60	0.2	<10	53	0.14	827
55925	24	<10	0.51	0.1	<10	38	0.17	456
55926	1094	<10	3.93	1.4	<10	424	7.29	869
55927	1888	40	5.80	1.5	<10	465	14.4	1287
55928	3090	60	9.54	<0.1	<10	18	15.5	1278
*Rep 55889	32	<10	0.86	1.9	<10	10833	0.04	669
*Rep 55913	634	<10	3.62	1.7	<10	557	4.95	875
*Std NBS183	19	11	0.10	6.7	<10	18710	<0.01	878
*Std RTS-3A	202	2474	21.3	0.5	11	25	2.55	1599
*Std SY-4	16	11	4.55	1.4	61	39	0.33	825
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600962 Order:  
Report File No.: 0000008253

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55880	<10	<10	0.01	<20	<50	<5	<50	59
55881	11	47	<0.01	<20	<50	<5	<50	76
55882	41	<10	<0.01	21	<50	<5	<50	80
55883	<10	<10	<0.01	<20	<50	<5	<50	40
55884	<10	<10	0.01	<20	<50	<5	<50	26
55885	<10	<10	<0.01	<20	<50	<5	<50	26
55886	<10	<10	<0.01	<20	<50	<5	<50	40
55887	22	<10	<0.01	24	<50	<5	<50	36
55888	<10	<10	<0.01	20	<50	<5	<50	42
55889	<10	<10	<0.01	21	<50	<5	<50	33
55890	<10	12	<0.01	23	<50	<5	<50	36
55891	<10	<10	<0.01	20	<50	<5	<50	51
55892	<10	<10	<0.01	<20	<50	<5	<50	43
55893	<10	<10	<0.01	<20	<50	<5	<50	27
55894	<10	<10	0.01	<20	<50	<5	<50	40
55895	<10	<10	<0.01	22	<50	<5	<50	41
55896	13	<10	<0.01	<20	<50	<5	<50	60
55897	<10	15	<0.01	<20	<50	<5	<50	53
55898	26	<10	<0.01	<20	<50	<5	<50	62
55899	<10	<10	<0.01	<20	<50	<5	<50	34
55900	<10	<10	<0.01	<20	<50	<5	<50	35
55901	<10	<10	<0.01	20	<50	<5	<50	30
55902	<10	<10	<0.01	<20	<50	<5	<50	30
55903	<10	<10	<0.01	<20	<50	<5	<50	32
55904	<10	<10	0.01	25	<50	<5	<50	40
55905	<10	110	0.06	<20	<50	6	<50	79
55906	<10	246	0.30	<20	<50	32	<50	144
55907	<10	399	0.15	<20	<50	27	<50	108
55908	<10	687	0.04	<20	<50	22	<50	82
55909	<10	553	0.09	<20	<50	21	<50	108
55910	<10	920	<0.01	<20	<50	20	<50	51
55911	<10	986	0.03	<20	<50	19	<50	47
55912	<10	548	0.20	22	<50	29	<50	69
55913	<10	289	0.10	<20	<50	11	<50	81
*Dup 55913	<10	278	0.11	<20	<50	10	<50	86
55914	<10	<10	0.03	<20	<50	<5	<50	55
55915	<10	<10	<0.01	<20	<50	<5	<50	58
55916	<10	<10	0.01	<20	<50	<5	<50	48
55917	<10	<10	<0.01	<20	<50	<5	<50	49
55918	<10	<10	<0.01	<20	<50	<5	<50	30

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Final : SU1600962 Order:

Report File No.: 0000008253

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55919	<10	<10	<0.01	<20	<50	<5	<50	25
55920	<10	<10	0.01	<20	<50	<5	<50	23
55921	<10	<10	<0.01	<20	<50	<5	<50	24
55922	<10	<10	0.04	21	<50	<5	<50	15
55923	<10	<10	0.02	<20	<50	<5	<50	20
55924	<10	<10	0.01	<20	<50	<5	<50	53
55925	<10	<10	<0.01	<20	<50	<5	<50	22
55926	<10	499	0.02	<20	<50	11	<50	202
55927	<10	1368	<0.01	<20	<50	17	<50	87
55928	<10	981	0.02	<20	<50	32	<50	39
*Rep 55889	<10	<10	<0.01	21	<50	<5	<50	28
*Rep 55913	<10	294	0.09	<20	<50	11	<50	80
*Std NBS183	<10	<10	0.01	<20	<50	<5	344	345
*Std RTS-3A	<10	58	0.05	237	<50	15	291	52
*Std SY-4	<10	<10	0.06	<20	<50	<5	<50	1205
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600962 Order:  
Report File No.: 0000008253

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55880	<0.01	<10	<50	<5	79
55881	0.02	<10	<50	<5	143
55882	<0.01	<10	<50	<5	131
55883	<0.01	<10	<50	<5	47
55884	<0.01	<10	<50	<5	72
55885	<0.01	<10	<50	<5	81
55886	<0.01	<10	<50	6	73
55887	<0.01	<10	<50	<5	673
55888	<0.01	<10	<50	<5	135
55889	<0.01	<10	<50	<5	71
55890	<0.01	<10	<50	<5	59
55891	<0.01	<10	<50	<5	66
55892	<0.01	<10	<50	<5	101
55893	<0.01	<10	<50	<5	83
55894	<0.01	<10	<50	<5	88
55895	<0.01	<10	<50	<5	76
55896	<0.01	<10	<50	<5	100
55897	<0.01	<10	<50	<5	307
55898	<0.01	<10	<50	<5	211
55899	<0.01	<10	<50	<5	39
55900	<0.01	<10	<50	<5	80
55901	<0.01	<10	<50	<5	58
55902	<0.01	<10	<50	<5	48
55903	<0.01	<10	<50	<5	70
55904	<0.01	<10	<50	<5	64
55905	0.09	43	<50	5	60
55906	0.58	225	<50	25	104
55907	0.44	203	<50	18	115
55908	0.29	162	<50	11	141
55909	0.27	157	<50	12	116
55910	0.20	130	<50	8	89
55911	0.22	137	<50	10	71
55912	0.49	202	<50	14	114
55913	0.14	77	<50	8	114
*Dup 55913	0.13	72	<50	8	104
55914	<0.01	<10	<50	<5	55
55915	<0.01	<10	<50	<5	111
55916	<0.01	<10	<50	<5	70
55917	<0.01	<10	<50	<5	83
55918	<0.01	<10	<50	<5	21

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Final : SU1600962 Order:

Report File No.: 0000008253

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55919	<0.01	<10	<50	<5	64
55920	<0.01	<10	<50	<5	<10
55921	<0.01	<10	<50	<5	22
55922	<0.01	<10	<50	<5	69
55923	<0.01	<10	<50	<5	48
55924	<0.01	<10	<50	<5	106
55925	<0.01	<10	<50	<5	13
55926	0.09	67	<50	<5	95
55927	0.13	101	<50	6	73
55928	0.26	199	<50	10	69
*Rep 55889	<0.01	<10	<50	<5	74
*Rep 55913	0.14	79	<50	8	111
*Std NBS183	<0.01	<10	<50	<5	29
*Std RTS-3A	0.38	120	<50	16	3061
*Std SY-4	0.17	<10	<50	121	100
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600982**  
**[Report File No.: 000008293]**

Date: November 09, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Nov 3, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
67	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

Certified By :   
 Debbie Waldon  
 Project Coordinator

**SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600982 Order:  
Report File No.: 0000008293

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55929	0.251	0.14	<30	92	<5	0.6	<10	<10
55930	4.323	4.32	<30	32	12	4.0	<10	89
55931	3.555	4.37	<30	68	33	4.6	<10	65
55932	3.908	8.33	<30	28	66	0.5	<10	11
55933	3.722	8.54	<30	25	170	0.5	<10	<10
55934	0.016	9.40	<30	37	195	0.2	<10	17
55935	3.768	8.12	<30	82	63	1.1	<10	32
55936	3.735	8.34	<30	41	169	0.6	<10	15
55937	3.440	8.47	<30	40	175	0.6	<10	10
55938	2.903	7.99	<30	27	42	0.2	<10	<10
55939	4.093	8.60	<30	124	130	0.2	<10	<10
55940	4.311	8.76	<30	92	203	0.2	<10	<10
55941	3.846	8.64	<30	64	156	0.2	<10	<10
55942	3.778	8.79	<30	41	91	0.3	<10	<10
55943	3.707	8.12	<30	88	151	0.2	<10	<10
55944	3.794	8.04	<30	85	73	0.2	<10	<10
55945	3.708	8.44	<30	146	108	0.2	<10	<10
55946	3.676	8.60	<30	114	69	0.2	<10	<10
55947	3.789	8.49	<30	106	68	0.3	<10	<10
55948	3.487	8.67	<30	70	87	0.2	<10	<10
55949	3.819	8.66	<30	50	237	0.2	<10	<10
55950	3.729	8.17	<30	38	145	0.2	<10	11
55951	4.318	8.03	<30	59	167	0.2	<10	<10
55952	0.231	0.14	<30	85	<5	<0.1	<10	11
55953	3.945	7.93	<30	37	56	0.2	<10	<10
55954	3.659	7.27	<30	35	66	0.2	<10	<10
55955	3.884	8.25	<30	37	18	0.2	<10	<10
55956	2.996	8.39	<30	33	215	0.2	<10	<10
55957	3.981	7.97	<30	70	44	0.2	<10	<10
55958	4.006	8.17	<30	17	61	0.2	<10	<10
55959	4.078	9.04	<30	53	39	0.2	<10	<10
55960	3.819	7.98	<30	99	180	0.2	<10	10
55961	3.833	8.41	<30	133	85	0.2	<10	<10
*Dup 55961	<0.001	8.36	<30	149	81	0.2	<10	<10
55962	3.761	8.72	<30	37	62	0.2	<10	<10
55963	3.625	8.31	<30	69	80	0.2	<10	<10
55964	3.666	8.09	<30	42	63	0.2	<10	<10
55965	3.745	8.43	<30	44	121	0.2	<10	<10
55966	3.821	7.91	<30	110	265	0.1	<10	<10
55967	3.940	9.16	<30	69	25	0.1	<10	<10

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Final : SU1600982 Order:  
Report File No.: 0000008293

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55968	3.709	8.38	<30	63	127	0.1	<10	10
55969	4.146	8.20	<30	59	71	0.2	<10	<10
55970	3.631	8.49	<30	164	19	0.2	<10	<10
55971	0.017	8.38	<30	18	124	0.2	<10	10
55972	3.508	8.19	<30	144	46	0.2	<10	<10
55973	4.148	8.49	<30	87	15	0.2	<10	11
55974	3.449	8.35	<30	150	61	0.2	<10	11
55975	3.716	8.14	<30	123	48	0.2	<10	10
55976	3.967	7.82	<30	102	28	0.2	<10	<10
55977	3.819	7.90	<30	68	38	0.2	<10	10
55978	3.772	8.36	<30	208	90	0.2	<10	10
55979	3.774	8.52	<30	110	48	0.2	<10	10
55980	3.608	8.53	<30	145	97	0.2	<10	<10
55981	0.224	0.15	<30	86	<5	<0.1	<10	11
55982	3.608	8.24	<30	93	86	0.2	<10	<10
55983	3.704	8.03	<30	288	50	0.2	<10	10
55984	3.126	7.78	<30	57	34	0.2	<10	<10
55985	3.518	8.24	<30	246	85	0.2	<10	<10
55986	4.167	8.30	<30	109	119	0.3	<10	<10
55987	3.612	8.44	<30	73	94	0.2	<10	<10
55988	3.872	8.22	<30	59	90	0.2	<10	<10
55989	3.636	8.42	<30	20	107	0.2	<10	<10
55990	3.836	8.33	<30	45	132	0.2	<10	10
55991	3.885	8.44	<30	20	116	0.2	<10	10
55992	3.833	8.59	<30	21	130	0.3	<10	10
55993	4.020	8.92	<30	50	39	3.0	<10	25
55994	4.478	5.12	<30	97	32	7.0	<10	70
55995	4.457	5.11	<30	90	19	5.8	<10	73
55996	4.338	5.13	<30	51	18	6.2	<10	73
*Dup 55996	<0.001	5.10	<30	54	17	6.1	<10	75
55997	0.020	8.97	<30	35	191	0.2	<10	17
55998	4.287	4.72	<30	38	39	8.6	<10	61
*Rep 55952		0.15	<30	85	<5	<0.1	<10	10
*Rep 55975		7.89	<30	124	50	0.1	<10	<10
*Std NBS183		13.8	<30	30	42	<0.1	<10	<10
*Std RTS-3A		5.04	<30	121	<5	2.3	<10	134
*Std SY-4		10.6	<30	334	<5	5.9	<10	<10
*Std NIST97B		21.2	<30	158	<5	0.1	<10	10
*Blk BLANK		0.02	<30	<10	<5	<0.1	<10	<10

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Final : SU1600982 Order:  
Report File No.: 0000008293

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55929	<10	<10	0.08	<0.1	<10	<10	0.08	<10
55930	2982	13	6.23	0.2	<10	1513	14.1	1247
55931	1870	14	5.89	0.4	<10	1774	11.7	1316
55932	110	11	0.66	<0.1	<10	63	0.47	271
55933	27	<10	0.34	<0.1	<10	20	0.08	108
55934	26	14	1.11	1.0	<10	14462	0.03	758
55935	1125	<10	3.16	3.0	<10	2157	4.70	993
55936	399	<10	1.33	1.3	<10	890	1.45	584
55937	116	<10	0.66	0.7	<10	348	0.46	284
55938	37	<10	0.50	0.4	<10	60	0.03	218
55939	23	<10	0.61	4.9	<10	3681	0.05	461
55940	35	<10	0.71	2.9	<10	6233	0.05	643
55941	24	<10	0.68	2.7	<10	5107	0.04	637
55942	32	<10	0.57	2.4	<10	3307	0.03	646
55943	34	<10	0.69	3.1	<10	6520	0.04	662
55944	46	<10	0.67	2.2	<10	7408	0.03	683
55945	32	<10	0.72	2.6	<10	7079	0.04	656
55946	42	<10	0.55	3.4	<10	2590	0.05	513
55947	38	<10	0.61	3.1	<10	2565	0.09	437
55948	34	<10	0.56	1.8	<10	4134	0.04	570
55949	32	<10	0.41	2.3	<10	2491	0.04	519
55950	91	<10	0.89	2.7	<10	6264	0.33	976
55951	30	<10	0.64	1.9	<10	8122	0.03	748
55952	<10	<10	0.07	<0.1	<10	14	0.03	<10
55953	35	<10	0.77	1.4	<10	11236	0.02	915
55954	40	<10	0.62	1.5	<10	7225	0.02	655
55955	26	<10	0.63	2.4	<10	4460	0.02	1025
55956	36	<10	0.71	3.0	<10	6490	0.05	802
55957	24	<10	0.62	2.2	<10	4863	0.04	759
55958	50	<10	0.72	1.7	<10	8446	0.02	949
55959	34	<10	0.82	1.4	<10	12847	0.06	1005
55960	37	<10	0.65	2.4	<10	6915	0.06	1058
55961	24	<10	0.57	2.7	<10	6693	0.04	901
*Dup 55961	30	<10	0.60	2.8	<10	6419	0.05	868
55962	25	<10	0.46	3.6	<10	4068	0.02	706
55963	26	<10	0.56	3.7	<10	3650	0.04	914
55964	28	<10	0.46	2.2	<10	1595	0.02	727
55965	33	<10	0.58	3.4	<10	5860	0.02	794
55966	23	<10	0.53	3.0	<10	3902	0.05	635
55967	29	<10	0.51	6.2	<10	2843	0.04	395

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Final : SU1600982 Order:  
Report File No.: 0000008293

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55968	23	<10	0.45	4.7	<10	2158	0.04	416
55969	32	<10	0.43	3.7	<10	792	0.03	302
55970	21	<10	0.44	4.3	<10	738	0.06	273
55971	17	<10	0.88	2.0	<10	3052	0.02	1332
55972	31	<10	0.29	3.5	<10	24	0.02	86
55973	26	<10	0.60	4.3	<10	1735	0.07	223
55974	23	<10	1.05	3.2	<10	762	0.16	344
55975	23	<10	0.64	4.2	<10	1239	0.07	466
55976	32	<10	0.48	3.2	<10	83	0.04	237
55977	27	<10	0.50	2.4	<10	70	0.03	311
55978	43	<10	0.77	3.7	<10	5655	0.06	729
55979	18	<10	0.52	3.0	<10	1324	0.05	431
55980	29	<10	0.40	4.1	<10	55	0.02	318
55981	<10	<10	0.06	<0.1	<10	<10	0.03	<10
55982	20	<10	0.46	1.7	<10	136	0.04	517
55983	26	<10	0.58	2.1	<10	856	0.07	444
55984	21	<10	0.46	2.3	<10	84	0.02	435
55985	31	<10	0.72	2.4	<10	1996	0.16	843
55986	19	<10	0.64	1.3	<10	2223	0.11	696
55987	32	<10	0.62	2.2	<10	4623	0.02	1407
55988	24	<10	0.59	3.1	<10	3219	0.04	1171
55989	28	<10	0.41	0.5	<10	66	0.02	578
55990	22	<10	0.62	1.5	<10	300	0.05	673
55991	23	<10	0.36	1.5	<10	35	0.03	487
55992	23	<10	0.40	0.2	<10	16	0.10	152
55993	384	<10	2.33	0.1	<10	118	3.04	568
55994	1337	<10	7.73	0.7	<10	473	11.1	1716
55995	1487	<10	8.00	0.7	<10	450	11.9	2142
55996	1390	<10	8.23	0.4	<10	373	11.7	2317
*Dup 55996	1400	<10	7.99	0.3	<10	371	11.4	2252
55997	23	11	1.10	0.9	<10	14654	0.03	762
55998	1171	<10	7.74	0.3	<10	208	10.6	2000
*Rep 55952	<10	<10	0.07	<0.1	<10	22	0.03	<10
*Rep 55975	20	<10	0.64	4.1	<10	1261	0.07	473
*Std NBS183	18	<10	0.10	7.3	<10	19157	<0.01	937
*Std RTS-3A	191	2425	20.6	0.5	10	17	2.56	1599
*Std SY-4	16	<10	4.52	1.5	56	42	0.33	843
*Std NIST97B	207	19	0.85	0.5	20	541	0.12	45
*Blk BLANK	<10	<10	<0.01	<0.1	<10	33	<0.01	<10

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Final : SU1600982 Order:  
Report File No.: 0000008293

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55929	<10	13	<0.01	41	<50	<5	<50	31
55930	<10	1282	0.03	<20	<50	30	<50	77
55931	<10	1086	0.04	31	<50	17	<50	80
55932	<10	43	<0.01	27	<50	<5	<50	28
55933	<10	14	<0.01	24	<50	<5	<50	28
55934	<10	14	<0.01	35	<50	<5	<50	38
55935	<10	362	0.15	<20	<50	6	<50	81
55936	<10	118	0.11	27	<50	<5	<50	52
55937	43	41	0.06	28	<50	<5	<50	47
55938	<10	18	<0.01	24	<50	<5	<50	23
55939	12	11	0.01	45	<50	<5	<50	55
55940	22	12	0.01	33	<50	<5	<50	41
55941	<10	11	<0.01	33	<50	<5	<50	36
55942	<10	12	0.02	38	<50	<5	<50	36
55943	<10	11	<0.01	36	<50	<5	<50	54
55944	<10	11	<0.01	37	<50	<5	<50	48
55945	<10	11	<0.01	39	<50	<5	<50	55
55946	23	11	0.02	38	<50	<5	<50	49
55947	<10	11	0.01	35	<50	<5	<50	52
55948	12	11	<0.01	30	<50	<5	<50	47
55949	60	12	0.02	41	<50	<5	<50	45
55950	15	38	0.03	31	<50	<5	<50	48
55951	127	11	<0.01	21	<50	<5	<50	43
55952	<10	<10	<0.01	43	<50	<5	<50	30
55953	10	12	<0.01	29	<50	<5	<50	39
55954	<10	12	<0.01	29	<50	<5	<50	36
55955	<10	10	<0.01	30	<50	<5	<50	40
55956	16	12	<0.01	33	<50	<5	<50	49
55957	21	11	<0.01	26	<50	<5	<50	41
55958	32	11	<0.01	33	<50	<5	<50	39
55959	21	10	<0.01	27	<50	<5	<50	39
55960	24	11	<0.01	29	<50	<5	<50	50
55961	55	10	<0.01	32	<50	<5	<50	61
*Dup 55961	36	<10	<0.01	34	<50	<5	<50	66
55962	43	<10	0.01	42	<50	<5	<50	52
55963	13	11	<0.01	36	<50	<5	<50	60
55964	<10	10	<0.01	33	<50	<5	<50	50
55965	19	11	<0.01	29	<50	<5	<50	47
55966	23	11	<0.01	36	<50	<5	<50	57
55967	20	10	0.01	36	<50	<5	<50	68

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Final : SU1600982 Order:  
Report File No.: 0000008293

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55968	12	11	<0.01	33	<50	<5	<50	62
55969	13	10	<0.01	32	<50	<5	<50	56
55970	<10	<10	0.01	38	<50	<5	<50	68
55971	<10	11	0.01	28	<50	<5	<50	28
55972	<10	11	<0.01	31	<50	<5	<50	44
55973	<10	12	<0.01	40	<50	<5	<50	53
55974	<10	11	<0.01	32	<50	<5	<50	49
55975	<10	10	<0.01	33	<50	<5	<50	54
55976	<10	10	<0.01	34	<50	<5	<50	49
55977	<10	11	<0.01	25	<50	<5	<50	47
55978	<10	11	<0.01	34	<50	<5	<50	70
55979	11	<10	<0.01	30	<50	<5	<50	65
55980	<10	11	<0.01	35	<50	<5	<50	89
55981	<10	12	<0.01	37	<50	<5	<50	27
55982	<10	<10	<0.01	24	<50	<5	<50	53
55983	<10	16	<0.01	31	<50	<5	<50	52
55984	<10	11	0.01	29	<50	<5	<50	48
55985	<10	12	<0.01	31	<50	<5	<50	61
55986	<10	11	<0.01	27	<50	<5	<50	49
55987	<10	<10	<0.01	23	<50	<5	<50	47
55988	<10	10	<0.01	32	<50	<5	<50	58
55989	<10	10	0.01	21	<50	<5	<50	26
55990	<10	11	0.02	29	<50	<5	<50	28
55991	<10	<10	0.02	31	<50	<5	<50	25
55992	<10	14	0.02	35	<50	<5	<50	27
55993	14	194	0.10	<20	<50	7	<50	156
55994	<10	702	0.02	<20	<50	27	<50	56
55995	<10	742	0.02	22	<50	29	<50	58
55996	<10	732	0.02	20	<50	26	<50	71
*Dup 55996	<10	740	0.02	21	<50	25	<50	70
55997	<10	12	<0.01	28	<50	<5	<50	36
55998	<10	604	0.03	<20	<50	23	<50	60
*Rep 55952	<10	10	<0.01	40	<50	<5	<50	32
*Rep 55975	<10	11	<0.01	32	<50	<5	<50	55
*Std NBS183	<10	14	0.01	<20	<50	<5	343	361
*Std RTS-3A	<10	64	0.05	235	<50	14	261	57
*Std SY-4	<10	13	0.06	<20	<50	<5	<50	1197
*Std NIST97B	12	34	0.03	34	<50	20	<50	94
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	<10

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Final : SU1600982 Order:  
Report File No.: 0000008293

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55929	0.02	<10	<50	<5	<10
55930	0.24	169	<50	7	76
55931	0.15	102	<50	<5	91
55932	0.01	<10	<50	<5	118
55933	<0.01	<10	<50	<5	53
55934	<0.01	<10	<50	<5	125
55935	0.06	45	<50	<5	340
55936	0.02	15	<50	<5	364
55937	<0.01	<10	<50	<5	82
55938	<0.01	<10	<50	<5	122
55939	<0.01	<10	<50	<5	91
55940	<0.01	<10	<50	<5	78
55941	<0.01	<10	<50	<5	33
55942	<0.01	<10	<50	<5	71
55943	<0.01	<10	<50	<5	129
55944	<0.01	<10	<50	<5	243
55945	<0.01	<10	<50	<5	155
55946	<0.01	<10	<50	<5	78
55947	<0.01	<10	<50	<5	88
55948	<0.01	<10	<50	<5	52
55949	<0.01	<10	<50	<5	79
55950	<0.01	<10	<50	<5	275
55951	<0.01	<10	<50	<5	181
55952	0.02	<10	<50	<5	<10
55953	<0.01	<10	<50	<5	131
55954	<0.01	<10	<50	<5	54
55955	<0.01	<10	<50	<5	89
55956	<0.01	<10	<50	<5	155
55957	<0.01	<10	<50	<5	89
55958	<0.01	<10	<50	<5	121
55959	<0.01	<10	<50	<5	153
55960	<0.01	<10	<50	<5	390
55961	<0.01	<10	<50	<5	202
*Dup 55961	<0.01	<10	<50	<5	202
55962	<0.01	<10	<50	<5	158
55963	<0.01	<10	<50	<5	163
55964	<0.01	<10	<50	<5	56
55965	<0.01	<10	<50	<5	261
55966	<0.01	<10	<50	<5	151
55967	<0.01	<10	<50	<5	78

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Final : SU1600982 Order:

Report File No.: 0000008293

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55968	<0.01	<10	<50	<5	36
55969	<0.01	<10	<50	<5	21
55970	<0.01	<10	<50	<5	52
55971	<0.01	<10	<50	<5	64
55972	<0.01	<10	<50	<5	<10
55973	<0.01	<10	<50	<5	51
55974	<0.01	<10	<50	<5	66
55975	<0.01	<10	<50	<5	51
55976	<0.01	<10	<50	<5	22
55977	<0.01	<10	<50	<5	21
55978	<0.01	<10	<50	<5	77
55979	<0.01	<10	<50	<5	37
55980	<0.01	<10	<50	<5	30
55981	0.02	<10	<50	<5	<10
55982	<0.01	<10	<50	<5	36
55983	<0.01	<10	<50	<5	90
55984	<0.01	<10	<50	<5	52
55985	<0.01	<10	<50	<5	56
55986	<0.01	<10	<50	<5	63
55987	<0.01	<10	<50	<5	95
55988	<0.01	<10	<50	<5	89
55989	<0.01	<10	<50	<5	40
55990	<0.01	<10	<50	<5	74
55991	<0.01	<10	<50	<5	63
55992	<0.01	<10	<50	<5	84
55993	0.08	47	<50	<5	57
55994	0.29	167	<50	10	85
55995	0.33	182	<50	12	96
55996	0.29	156	<50	9	143
*Dup 55996	0.28	154	<50	9	137
55997	<0.01	<10	<50	<5	119
55998	0.26	149	<50	9	112
*Rep 55952	0.02	<10	<50	<5	<10
*Rep 55975	<0.01	<10	<50	<5	57
*Std NBS183	<0.01	<10	<50	<5	28
*Std RTS-3A	0.39	115	<50	17	3067
*Std SY-4	0.17	<10	<50	116	103
*Std NIST97B	1.46	223	<50	34	77
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600983**  
**[Report File No.: 000008294]**

Date: November 09, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 70  
 Received: Nov 3, 2016  
 Pages: Page 1 to 9  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
70	SHIP	Shipping
70	G_PKP01	Sample collection / pick up
70	G_WGH79	Weighing of samples and reporting of weights
68	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
70	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable - = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600983 Order:  
Report File No.: 0000008294

Element Method Det.Lim. Units	WtKg G_WGH79 0.001 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
55999	4.149	7.32	<30	34	101	4.9	<10	40
56000	3.467	8.12	<30	25	26	0.3	<10	<10
56001	3.720	8.12	<30	19	12	0.3	<10	<10
56002	0.212	0.08	<30	84	<5	0.2	<10	12
56003	3.829	8.30	<30	18	29	0.3	<10	<10
56004	4.653	9.39	<30	31	45	0.3	<10	<10
56005	3.590	10.5	<30	66	20	0.6	<10	<10
56006	3.552	10.2	<30	295	33	1.6	<10	16
56007	3.785	5.57	<30	144	25	6.9	<10	63
56008	0.188	0.09	<30	86	<5	0.2	<10	11
56009	4.284	3.95	<30	18	13	4.8	<10	85
56010	3.750	4.01	<30	16	16	4.5	<10	86
56011	4.317	5.25	<30	21	50	3.5	<10	69
56012	3.650	8.94	<30	65	81	0.2	<10	<10
56013	3.998	8.36	<30	58	88	0.3	<10	<10
56014	3.610	7.34	<30	58	10	0.2	<10	11
56015	3.737	8.35	<30	45	17	0.3	<10	<10
56016	3.993	8.07	<30	40	71	0.3	<10	<10
56017	3.767	8.54	<30	16	184	0.3	<10	<10
56018	3.712	8.32	<30	14	102	0.3	<10	<10
56019	3.753	7.98	<30	25	122	0.2	<10	<10
56020	4.012	7.40	<30	41	125	0.2	<10	<10
56021	3.877	8.07	<30	33	102	0.3	<10	<10
56022	3.722	8.08	<30	22	135	0.3	<10	<10
56023	4.025	8.52	<30	50	124	0.2	<10	<10
56024	3.943	8.48	<30	25	164	0.3	<10	10
56025	3.758	8.27	<30	40	39	0.2	<10	<10
56026	3.993	7.94	<30	33	47	0.2	<10	<10
56027	3.742	8.20	<30	56	9	0.2	<10	11
56028	3.692	8.27	<30	39	83	0.2	<10	10
56029	4.155	8.36	<30	57	104	0.2	<10	<10
56030	0.015	9.29	<30	36	186	0.2	<10	21
56031	3.827	8.42	<30	69	44	0.2	<10	<10
56032	3.813	8.53	<30	109	84	0.3	<10	10
*Dup 56032	<0.001	8.20	<30	107	79	0.2	<10	<10
56033	4.128	8.02	<30	191	72	0.3	<10	<10
56034	3.866	7.44	<30	384	26	0.5	<10	<10
56035	2.517	7.40	<30	257	15	1.1	<10	16
56036	1.937	6.63	<30	252	66	2.2	<10	22
56037	3.011	6.78	<30	275	108	2.9	<10	10

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Final : SU1600983 Order:  
Report File No.: 000008294

Element Method Det.Lim. Units	WtKg G_WGH79 kg	Al GE_ICP90A 0.01 %	As GE_ICP90A 30 ppm	Ba GE_ICP90A 10 ppm	Be GE_ICP90A 5 ppm	Ca GE_ICP90A 0.1 %	Cd GE_ICP90A 10 ppm	Co GE_ICP90A 10 ppm
56038	3.796	7.30	<30	180	83	2.6	<10	<10
56039	0.281	0.07	<30	86	<5	0.2	<10	11
56040	4.521	3.40	<30	11	8	4.4	<10	94
56041	3.932	4.22	<30	118	16	4.6	<10	87
56042	4.547	6.05	<30	418	35	3.2	<10	69
56043	3.857	9.13	<30	29	107	0.3	<10	<10
56044	4.216	8.60	<30	34	197	0.3	<10	<10
56045	4.301	8.48	<30	16	82	0.3	<10	<10
56046	4.443	7.65	<30	17	45	0.2	<10	<10
56047	3.905	6.57	<30	22	221	0.2	<10	<10
56048	3.720	8.97	<30	14	165	0.2	<10	<10
56049	4.449	8.43	<30	15	124	0.3	<10	<10
56050	4.125	8.15	<30	14	113	0.2	<10	<10
56051	4.440	8.23	<30	14	85	0.3	<10	<10
56052	0.017	8.11	<30	20	128	0.2	<10	<10
56053	4.338	8.51	<30	14	142	0.2	<10	<10
56054	4.340	8.27	<30	13	99	0.3	<10	<10
56055	4.053	8.43	<30	14	113	0.3	<10	<10
56056	4.370	8.20	<30	12	65	0.2	<10	<10
56057	4.382	8.39	<30	13	57	0.3	<10	<10
56058	4.381	8.13	<30	13	80	0.2	<10	<10
56059	0.340	0.06	<30	84	<5	0.1	<10	11
56060	4.349	8.14	<30	12	87	0.2	<10	<10
56061	4.405	8.29	<30	19	115	0.2	<10	<10
56062	3.852	8.75	<30	14	231	0.2	<10	<10
56063	4.279	8.57	<30	15	115	0.2	<10	<10
56064	4.526	8.32	<30	28	21	0.2	<10	<10
56065	3.733	8.60	<30	20	99	0.2	<10	<10
56066	3.990	8.78	<30	26	54	0.3	<10	<10
56067	4.032	8.41	<30	52	128	0.2	<10	<10
*Dup 56067	<0.001	8.66	<30	50	91	0.2	<10	<10
56068	4.370	8.21	<30	34	47	0.2	<10	<10
*Rep 56013		8.28	<30	59	93	0.3	<10	<10
*Rep 56064		8.04	<30	30	20	0.1	<10	<10
*Std NBS183		13.5	<30	28	39	0.1	<10	<10
*Std RTS-3A		5.18	32	121	<5	2.4	<10	131
*Std SY-4		11.2	<30	337	<5	6.2	<10	<10
*Std NIST97B		20.9	<30	170	<5	0.1	<10	<10
*Blk BLANK		0.03	<30	<10	<5	0.1	<10	<10

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Final : SU1600983 Order:

Report File No.: 0000008294

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
55999	730	199	5.22	0.2	<10	239	6.20	1298
56000	30	15	0.72	0.8	<10	32	0.10	335
56001	30	51	0.69	0.2	<10	15	0.05	409
56002	11	<10	0.07	<0.1	<10	<10	0.02	<10
56003	24	19	0.57	0.2	<10	13	0.03	307
56004	36	<10	0.63	<0.1	<10	18	0.11	315
56005	23	<10	0.55	<0.1	<10	16	0.10	236
56006	184	<10	1.25	0.1	<10	112	1.19	349
56007	1197	<10	7.60	0.5	<10	1083	10.2	1543
56008	14	<10	0.08	<0.1	<10	<10	0.06	13
56009	1892	61	7.42	0.6	<10	143	15.5	1274
56010	2038	57	7.50	0.5	<10	118	15.3	1344
56011	1743	32	6.10	0.7	<10	201	11.8	1301
56012	23	<10	0.51	7.2	<10	291	0.09	243
56013	36	<10	0.80	3.5	<10	5322	0.04	543
56014	39	<10	0.59	6.7	<10	1582	0.03	244
56015	59	<10	0.66	5.8	<10	3911	0.02	371
56016	67	<10	0.81	2.8	<10	5182	0.03	602
56017	50	<10	0.83	1.7	<10	6151	0.02	783
56018	35	<10	0.48	0.5	<10	1745	<0.01	530
56019	45	<10	0.92	3.2	<10	8130	0.03	735
56020	43	<10	0.76	4.2	<10	7172	0.03	595
56021	31	<10	0.83	3.6	<10	4433	0.11	632
56022	26	<10	0.71	2.4	<10	7855	0.01	805
56023	39	<10	0.95	3.6	<10	8963	0.05	802
56024	38	<10	0.81	2.7	<10	10562	0.01	761
56025	44	<10	0.90	3.5	<10	6712	0.02	660
56026	39	<10	0.78	2.3	<10	6488	0.03	926
56027	44	<10	0.94	2.9	<10	7151	0.03	781
56028	42	<10	0.88	3.3	<10	6002	0.03	670
56029	50	<10	0.94	3.1	<10	8906	0.02	683
56030	25	13	1.12	1.0	<10	14795	0.03	760
56031	41	<10	0.79	2.5	<10	6703	0.04	683
56032	52	<10	0.95	2.9	<10	6434	0.11	1076
*Dup 56032	55	<10	0.96	3.0	<10	6163	0.10	1066
56033	56	<10	0.93	2.6	<10	3165	0.21	791
56034	40	<10	1.39	3.9	<10	1567	0.77	724
56035	262	<10	1.86	3.6	<10	475	1.84	544
56036	361	<10	2.65	3.2	<10	438	2.78	711
56037	46	<10	1.34	4.7	<10	288	0.92	525

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Final : SU1600983 Order:

Report File No.: 0000008294

Element Method Det.Lim. Units	Cr GE_ICP90A 10 ppm	Cu GE_ICP90A 10 ppm	Fe GE_ICP90A 0.01 %	K GE_ICP90A 0.1 %	La GE_ICP90A 10 ppm	Li GE_ICP90A 10 ppm	Mg GE_ICP90A 0.01 %	Mn GE_ICP90A 10 ppm
56038	35	44	0.85	3.7	<10	63	0.38	251
56039	11	<10	0.06	<0.1	<10	<10	0.02	<10
56040	2282	147	7.82	<0.1	<10	54	15.9	1710
56041	2354	29	7.25	1.1	<10	413	15.1	1518
56042	644	<10	6.50	3.8	<10	1022	13.0	1035
56043	21	<10	0.57	0.3	<10	182	0.10	487
56044	32	<10	0.97	1.8	<10	9629	0.03	767
56045	35	<10	0.94	2.4	<10	9864	0.02	839
56046	51	<10	0.82	2.0	<10	8148	0.02	869
56047	38	<10	0.87	2.1	<10	7258	0.01	742
56048	37	<10	0.62	3.5	<10	6786	0.01	709
56049	32	<10	0.68	2.9	<10	5732	0.02	580
56050	28	<10	0.86	2.6	<10	9913	0.01	746
56051	25	<10	0.64	2.9	<10	6267	0.01	549
56052	23	<10	0.89	2.1	<10	3083	0.02	1341
56053	33	<10	0.87	2.4	<10	10399	0.02	747
56054	38	<10	0.81	2.5	<10	9034	0.01	822
56055	29	<10	0.68	2.9	<10	6209	<0.01	620
56056	32	<10	0.71	2.2	<10	8415	<0.01	647
56057	37	<10	0.67	1.9	<10	7026	<0.01	912
56058	28	<10	0.75	2.7	<10	8216	0.01	615
56059	10	<10	0.07	<0.1	<10	<10	0.02	<10
56060	33	<10	0.70	2.5	<10	7134	0.01	759
56061	26	<10	0.85	1.9	<10	9333	0.03	772
56062	27	<10	0.78	3.4	<10	11010	<0.01	718
56063	34	<10	0.88	2.7	<10	9984	0.01	1314
56064	36	<10	1.09	3.2	<10	11760	0.05	1719
56065	28	15	0.76	2.5	<10	6782	0.03	1039
56066	38	<10	0.73	3.0	<10	4661	0.02	715
56067	45	<10	0.94	3.1	<10	8277	0.03	856
*Dup 56067	36	<10	0.89	3.3	<10	8160	0.03	846
56068	29	<10	0.76	2.7	<10	6915	0.02	753
*Rep 56013	43	<10	0.82	3.5	<10	5263	0.04	570
*Rep 56064	47	<10	1.05	3.1	<10	11490	0.05	1720
*Std NBS183	19	<10	0.10	7.4	<10	19383	<0.01	940
*Std RTS-3A	188	2418	21.4	0.5	<10	17	2.62	1637
*Std SY-4	15	<10	4.57	1.6	55	43	0.34	861
*Std NIST97B	224	22	0.85	0.6	23	546	0.11	45
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600983 Order:  
Report File No.: 0000008294

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Se GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
55999	<10	416	0.02	<20	<50	13	<50	69
56000	<10	14	0.03	24	<50	<5	<50	27
56001	12	20	0.02	26	<50	<5	<50	22
56002	<10	14	<0.01	33	<50	<5	<50	24
56003	14	12	0.02	31	<50	<5	<50	20
56004	<10	11	0.01	<20	<50	<5	<50	31
56005	<10	11	0.01	<20	<50	<5	<50	79
56006	<10	79	0.04	<20	<50	<5	<50	337
56007	<10	630	0.10	<20	<50	23	<50	151
56008	<10	13	<0.01	34	<50	<5	<50	28
56009	<10	1249	0.02	<20	<50	19	<50	39
56010	<10	1185	0.03	<20	<50	22	<50	38
56011	<10	855	0.03	71	<50	18	<50	62
56012	<10	13	<0.01	54	<50	<5	<50	70
56013	<10	11	<0.01	42	<50	<5	<50	63
56014	27	11	<0.01	50	<50	<5	<50	70
56015	<10	10	<0.01	35	<50	<5	<50	64
56016	40	12	<0.01	31	<50	<5	<50	45
56017	<10	10	<0.01	32	<50	<5	<50	32
56018	<10	11	<0.01	26	<50	<5	<50	26
56019	<10	11	0.01	29	<50	<5	<50	47
56020	<10	11	<0.01	36	<50	<5	<50	52
56021	<10	11	0.01	36	<50	<5	<50	47
56022	23	12	<0.01	34	<50	<5	<50	41
56023	13	11	0.02	30	<50	<5	<50	58
56024	14	12	0.01	23	<50	<5	<50	56
56025	<10	11	0.01	35	<50	<5	<50	50
56026	33	10	<0.01	36	<50	<5	<50	37
56027	41	10	<0.01	36	<50	<5	<50	49
56028	11	12	<0.01	33	<50	<5	<50	49
56029	15	<10	<0.01	27	<50	<5	<50	49
56030	<10	14	<0.01	27	<50	<5	<50	38
56031	15	12	<0.01	34	<50	<5	<50	42
56032	13	12	<0.01	31	<50	<5	<50	53
*Dup 56032	17	10	<0.01	34	<50	<5	<50	51
56033	11	<10	<0.01	29	<50	<5	<50	52
56034	95	15	<0.01	28	<50	<5	<50	70
56035	29	141	<0.01	29	<50	<5	<50	66
56036	26	188	<0.01	25	<50	<5	<50	60
56037	27	16	<0.01	30	<50	<5	<50	74

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Final : SU1600983 Order:  
Report File No.: 0000008294

Element Method Det.Lim. Units	Mo GE_ICP90A 10 ppm	Ni GE_ICP90A 10 ppm	P GE_ICP90A 0.01 %	Pb GE_ICP90A 20 ppm	Sb GE_ICP90A 50 ppm	Sc GE_ICP90A 5 ppm	Sn GE_ICP90A 50 ppm	Sr GE_ICP90A 10 ppm
56038	96	16	<0.01	36	<50	<5	<50	63
56039	<10	10	<0.01	31	<50	<5	<50	28
56040	<10	1169	0.03	27	<50	23	<50	42
56041	<10	1128	<0.01	<20	<50	23	<50	37
56042	<10	449	0.09	<20	<50	8	<50	95
56043	<10	11	0.01	28	<50	<5	<50	71
56044	<10	13	0.02	27	<50	<5	<50	40
56045	<10	11	0.01	25	<50	<5	<50	37
56046	10	12	<0.01	28	<50	<5	<50	37
56047	109	10	0.01	40	<50	<5	<50	38
56048	<10	13	<0.01	37	<50	<5	<50	44
56049	<10	11	0.02	30	<50	<5	<50	41
56050	<10	12	0.01	24	<50	<5	<50	39
56051	<10	11	0.02	32	<50	<5	<50	40
56052	<10	12	<0.01	35	<50	<5	<50	35
56053	<10	12	0.02	29	<50	<5	<50	36
56054	<10	11	0.01	30	<50	<5	<50	38
56055	11	12	<0.01	30	<50	<5	<50	38
56056	<10	11	<0.01	34	<50	<5	<50	33
56057	<10	12	0.01	27	<50	<5	<50	37
56058	<10	10	0.01	31	<50	<5	<50	37
56059	<10	11	<0.01	31	<50	<5	<50	24
56060	12	10	<0.01	31	<50	<5	<50	42
56061	<10	11	<0.01	29	<50	<5	<50	36
56062	<10	10	<0.01	34	<50	<5	<50	44
56063	34	12	<0.01	29	<50	<5	<50	40
56064	<10	12	<0.01	35	<50	<5	<50	50
56065	<10	<10	0.01	60	<50	<5	<50	38
56066	<10	13	0.02	28	<50	<5	<50	48
56067	<10	12	0.01	28	<50	<5	<50	53
*Dup 56067	<10	10	0.01	35	<50	<5	<50	55
56068	<10	<10	<0.01	34	<50	<5	<50	47
*Rep 56013	<10	13	<0.01	30	<50	<5	<50	64
*Rep 56064	<10	12	<0.01	32	<50	<5	<50	49
*Std NBS183	<10	13	0.01	<20	<50	<5	323	367
*Std RTS-3A	<10	63	0.05	225	<50	15	277	59
*Std SY-4	<10	12	0.06	<20	<50	<5	<50	1248
*Std NIST97B	12	37	0.03	<20	<50	20	<50	97
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	14

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Final : SU1600983 Order:

Report File No.: 0000008294

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
55999	0.15	87	<50	6	163
56000	<0.01	<10	<50	<5	51
56001	<0.01	<10	<50	<5	47
56002	0.02	<10	<50	<5	<10
56003	<0.01	<10	<50	<5	26
56004	<0.01	<10	<50	<5	67
56005	<0.01	<10	<50	<5	157
56006	0.03	16	<50	<5	154
56007	0.28	154	<50	10	88
56008	0.02	<10	<50	<5	<10
56009	0.19	122	<50	6	58
56010	0.20	129	<50	8	61
56011	0.17	118	<50	6	188
56012	<0.01	<10	<50	<5	153
56013	<0.01	<10	<50	<5	65
56014	<0.01	<10	<50	<5	55
56015	<0.01	<10	<50	<5	50
56016	<0.01	<10	<50	<5	56
56017	<0.01	<10	<50	<5	42
56018	<0.01	<10	<50	<5	21
56019	<0.01	<10	<50	<5	80
56020	<0.01	<10	<50	<5	42
56021	<0.01	<10	<50	<5	111
56022	<0.01	<10	<50	<5	93
56023	<0.01	<10	<50	<5	62
56024	<0.01	<10	<50	<5	69
56025	<0.01	<10	<50	<5	79
56026	<0.01	<10	<50	<5	89
56027	<0.01	<10	<50	<5	96
56028	<0.01	<10	<50	<5	200
56029	<0.01	<10	<50	<5	123
56030	<0.01	<10	<50	<5	105
56031	<0.01	<10	<50	<5	102
56032	<0.01	<10	<50	6	169
*Dup 56032	<0.01	<10	<50	6	180
56033	<0.01	<10	<50	<5	167
56034	<0.01	<10	<50	<5	74
56035	0.02	16	<50	<5	86
56036	0.04	23	<50	<5	140
56037	<0.01	<10	<50	<5	95

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**Final : SU1600983 Order:**

Report File No.: 0000008294

Element Method Det.Lim. Units	Ti GE_ICP90A 0.01 %	V GE_ICP90A 10 ppm	W GE_ICP90A 50 ppm	Y GE_ICP90A 5 ppm	Zn GE_ICP90A 10 ppm
56038	<0.01	<10	<50	<5	90
56039	0.02	<10	<50	<5	<10
56040	0.19	131	<50	9	123
56041	0.20	133	<50	7	69
56042	0.07	67	<50	<5	86
56043	<0.01	<10	<50	<5	59
56044	<0.01	<10	<50	<5	61
56045	<0.01	<10	<50	<5	114
56046	<0.01	<10	<50	<5	70
56047	<0.01	<10	<50	<5	104
56048	<0.01	<10	<50	<5	55
56049	<0.01	<10	<50	<5	110
56050	<0.01	<10	<50	<5	107
56051	<0.01	<10	<50	<5	87
56052	<0.01	<10	<50	<5	52
56053	<0.01	<10	<50	<5	84
56054	<0.01	<10	<50	<5	94
56055	<0.01	<10	<50	<5	90
56056	<0.01	<10	<50	<5	86
56057	<0.01	<10	<50	<5	81
56058	<0.01	<10	<50	<5	100
56059	0.02	<10	<50	<5	<10
56060	<0.01	<10	<50	<5	86
56061	<0.01	<10	<50	<5	83
56062	<0.01	<10	<50	<5	98
56063	<0.01	<10	<50	<5	106
56064	<0.01	<10	<50	<5	92
56065	<0.01	<10	<50	<5	652
56066	<0.01	<10	<50	<5	102
56067	<0.01	<10	<50	<5	95
*Dup 56067	<0.01	<10	<50	<5	109
56068	<0.01	<10	<50	<5	170
*Rep 56013	<0.01	<10	<50	<5	73
*Rep 56064	<0.01	<10	<50	<5	89
*Std NBS183	<0.01	<10	<50	<5	26
*Std RTS-3A	0.39	113	<50	15	2916
*Std SY-4	0.18	<10	<50	116	94
*Std NIST97B	1.45	237	<50	35	67
*Blk BLANK	<0.01	<10	<50	<5	<10

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**Certificate of Analysis**  
**Work Order : SU1600985**  
**[Report File No.: 000008296]**

Date: November 10, 2016

To: **Gustavo Delendatti**  
**SAYONA MINING LIMITED**  
 68/283 GIVEN TERRACE  
 MILTON QLD 4064  
 AUSTRALIA

P.O. No.: -  
 Project No.: -  
 Samples: 4  
 Received: Nov 3, 2016  
 Pages: Page 1 to 5  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
4	SHIP	Shipping
4	G_PKP01	Sample collection / pick up
4	G_WGH79	Weighing of samples and reporting of weights
3	G_PRP89	Weigh (<3kg) Dry, Crush 75% -2mm, Split <250g, Pulverise to 85% -75µm
4	GE_ICP90A	ICP-OES after Na2O2 fusion

**Storage: Pulp & Reject**

PULP STORAGE :  
 REJECT STORAGE :

Certified By :   
 Debbie Waldon  
 Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable -- = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1600985 Order:

Report File No.: 0000008296

Element	WtKg	Al	As	Ba	Be	Ca	Cd	Co
Method	G_WGH79	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	0.001	0.01	30	10	5	0.1	10	10
Units	kg	%	ppm	ppm	ppm	%	ppm	ppm
56139	4.359	6.27	<30	59	36	5.2	<10	52
56140	0.012	8.69	<30	36	190	0.2	<10	20
56141	4.112	4.82	<30	30	42	7.0	<10	70
56142	4.190	4.55	<30	36	57	8.6	<10	64
*Std NBS183		13.3	<30	27	39	0.1	<10	<10
*Blk BLANK		<0.01	<30	<10	<5	0.1	<10	<10

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Final : SU1600985 Order:

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Report File No.: 0000008296

Element	Cr	Cu	Fe	K	La	Li	Mg	Mn
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	10	10	0.01	0.1	10	10	0.01	10
Units	ppm	ppm	%	%	ppm	ppm	%	ppm
56139	1095	<10	6.03	0.2	<10	297	8.25	1479
56140	26	11	1.09	0.9	<10	14541	0.03	765
56141	1431	<10	7.71	0.2	<10	312	10.4	1757
56142	1351	<10	7.16	0.2	<10	230	10.0	1588
*Std NBS183	15	<10	0.09	6.9	<10	19977	<0.01	945
*Blk BLANK	<10	<10	<0.01	<0.1	<10	<10	<0.01	<10

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Final : SU1600985 Order:

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Report File No.: 0000008296

Element	Mo	Ni	P	Pb	Sb	Sc	Sn	Sr
Method	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
Det.Lim.	10	10	0.01	20	50	5	50	10
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
56139	<10	503	0.02	<20	<50	21	<50	131
56140	<10	12	<0.01	25	<50	<5	<50	39
56141	<10	725	0.02	26	<50	25	<50	72
56142	16	644	0.03	31	<50	24	<50	76
*Std NBS183	<10	11	0.01	<20	<50	<5	334	373
*Blk BLANK	<10	<10	<0.01	<20	<50	<5	<50	13

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Final : SU1600985 Order:

Report File No.: 0000008296

Element Method Det.Lim. Units	Ti	V	W	Y	Zn
	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A	GE_ICP90A
	0.01	10	50	5	10
	%	ppm	ppm	ppm	ppm
56139	0.22	139	<50	9	81
56140	<0.01	<10	<50	<5	116
56141	0.27	169	<50	10	95
56142	0.26	167	<50	10	106
*Std NBS183	<0.01	<10	<50	<5	28
*Blk BLANK	<0.01	<10	<50	<5	<10

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**ANNEXE 3**

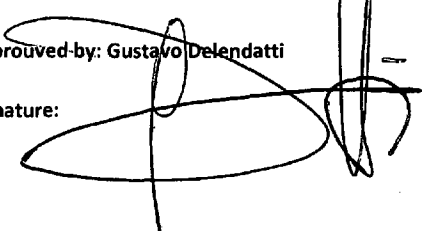
DataSet	Hole_ID	mFrom	mTo	Interval_Le ngth (m)	Lith1 Description	Lith2 Description	Lith2_pct	Hue
Autopopulates	Autopopulates							
Authier	AL16_001	0	11.72	11.72	Ggu granitic rock (undifferentiated) - granitoid	Vbs Basalt	5	
Authier	AL16_001	11.72	15.04	3.32	Gip Intermediate Zone Pegmatite			M
Authier	AL16_001	15.04	18.6	3.56	Gps Albite-Spodumene Pegmatite			
Authier	AL16_001	18.6	21.47	2.87	Gps Albite-Spodumene Pegmatite			
Authier	AL16_001	21.47	22.8	1.33	Gps Albite-Spodumene Pegmatite	Gap Aplite	30	
Authier	AL16_001	22.8	23.69	0.90	Gps Albite-Spodumene Pegmatite			
Authier	AL16_001	23.69	24.81	1.12	Gap Aplite	Gps Albite-Spodumene Pegmatite	10	
Authier	AL16_001	24.81	27.84	3.03	Gps Albite-Spodumene Pegmatite			m
Authier	AL16_001	27.84	29.71	1.87	Gps Albite-Spodumene Pegmatite			m
Authier	AL16_001	29.71	34.67	4.96	Gps Albite-Spodumene Pegmatite	Gap Aplite	20	
Authier	AL16_001	34.67	35.66	0.99	Gps Albite-Spodumene Pegmatite			m
Authier	AL16_001	35.66	37.69	2.03	Gps Albite-Spodumene Pegmatite			m
Authier	AL16_001	37.69	37.84	0.16	Gps Albite-Spodumene Pegmatite			d
Authier	AL16_001	37.84	38.7	0.86	Gps Albite-Spodumene Pegmatite	Gap Aplite	30	
Authier	AL16_001	38.7	39.19	0.49	Gps Albite-Spodumene Pegmatite	Gap Aplite	30	m
Authier	AL16_001	39.19	40.27	1.09	Gps Albite-Spodumene Pegmatite			m
Authier	AL16_001	40.27	42.04	1.77	Gap Aplite	Gps Albite-Spodumene Pegmatite	30	
Authier	AL16_001	42.04	43.34	1.30	Gps Albite-Spodumene Pegmatite			m
Authier	AL16_001	43.34	46.76	3.42	Gps Albite-Spodumene Pegmatite	Gap Aplite	30	m
Authier	AL16_001	46.76	49.19	2.43	Gps Albite-Spodumene Pegmatite			
Authier	AL16_001	49.19	50.53	1.34	Gps Albite-Spodumene Pegmatite	Gap Aplite	10	m
Authier	AL16_001	50.53	56.06	5.53	Gap Aplite	Gps Albite-Spodumene Pegmatite	40	
Authier	AL16_001	56.06	57.93	1.87	Gps Albite-Spodumene Pegmatite			m
Authier	AL16_001	57.93	60.18	2.25	Gap Aplite	Gps Albite-Spodumene Pegmatite	30	
Authier	AL16_001	60.18	61.71	1.53	Gps Albite-Spodumene Pegmatite			
Authier	AL16_001	61.71	62.58	0.87	Gap Aplite			
Authier	AL16_001	62.58	68	5.42	Gps Albite-Spodumene Pegmatite	Gap Aplite	15	m
Authier	AL16_001	68	68.74	0.74	Gap Aplite	Gps Albite-Spodumene Pegmatite	25	
Authier	AL16_001	68.74	71.62	2.89	Gps Albite-Spodumene Pegmatite	Gap Aplite	10	m
Authier	AL16_001	71.62	72.87	1.25	Ggu granitic rock (undifferentiated) - granitoid			
Authier	AL16_001	72.87	74.17	1.30	Gps Albite-Spodumene Pegmatite	Gap Aplite	15	
Authier	AL16_001	74.17	75.93	1.77	Gip Intermediate Zone Pegmatite			
Authier	AL16_001	75.93	76.37	0.44	Vvm mafic volcanic			d
Authier	AL16_001	76.37	82.03	5.66	Vvm mafic volcanic			d
Authier	AL16_001	82.03	82.37	0.35	Vvm mafic volcanic			d
Authier	AL16_001	82.37	83.53	1.16	Ggu granitic rock (undifferentiated) - granitoid			
Authier	AL16_001	83.53	87	3.47	Vvm mafic volcanic			m

Colour Description	Lith1_Grain Size	Lith1_Texture Description	Lith1_Structure Description	Min_Comp osition freetext	Spodumene Pct	Min2 description	Min2_Pct	Min3 description	Min3_Pct	Vein1 description	Vein1_Pct	Spodumene Int
white pink	mcg	crystalline	unfoliated	fspr qtz mica								
grey white	mcg	crystalline	unfoliated	spod fspr mica qtz tourm	10	tourmaline	4	muscovite	4	quartz veined	2	wk
grey green	cg	crystalline	unfoliated	spod fspr mica qtz	15	tourmaline	2	muscovite	2	quartz veined	1	mod
grey green	mcg	crystalline	unfoliated	spod fspr mica qtz	10	tourmaline	2	muscovite	2	quartz veined	5	wk
grey green	vcg	crystalline	unfoliated	spod fspr mica qtz	5	tourmaline	5			quartz veined	1	v wk
green grey	vcg	crystalline	unfoliated	spod fspr	30							str
grey white	fmg	crystalline	unfoliated	fspr qtz mica	2							tr
green grey	vcg	crystalline	unfoliated	spod fspr qtz	15	tourmaline	3					mod
grey green	cg	crystalline	unfoliated	spod fspr qtz	15					quartz veined	1	mod
white cream	mcg	crystalline	unfoliated	spod fspr qtz	25	tourmaline	3			quartz veined	2	str
green grey	vcg	crystalline	unfoliated	spod fspr qtz	40							v str
green grey	mcg	crystalline	unfoliated	spod fspr qtz	30							str
grey green	vcg	crystalline	unfoliated	spod fspr	40							v str
grey green	mcg	crystalline	unfoliated	spod fspr	20							mod
grey green	vcg	crystalline	unfoliated	spod fspr qtz	30							str
grey green	vcg	crystalline	unfoliated	spod fspr qtz	40							v str
grey cream	fmg	crystalline	unfoliated	qtz fspr spod	5							tr
grey cream	mcg	crystalline	unfoliated	spod fspr qtz	25							mod
grey green	vcg	crystalline	unfoliated	spod fspr qtz tourm	25	tourmaline	2					mod
cream green	mcg	crystalline	unfoliated	spod fspr	30							str
cream green	mcg	crystalline	unfoliated	spod fspr qtz	20							mod
cream green	fg	crystalline	unfoliated	fspr qtz spod tourm msc	15	tourmaline	3	muscovite	2	quartz veined	1	mod
green grey	vcg	crystalline	unfoliated	spod fspr qtz	30	tourmaline	3					str
grey green	fmg	crystalline	unfoliated	qtz fspr spod	10	tourmaline	2			quartz veined	2	wk
green grey	vcg	crystalline	unfoliated	spod qtz	20	tourmaline	2			quartz veined	10	mod
grey	fmg	crystalline	unfoliated	qtz fspr tourm	2	tourmaline	2					tr
green grey	vcg	crystalline	unfoliated	spod fspr qtz tourm	30	tourmaline	4					str
grey green	fmg	crystalline	unfoliated	qtz fspr spod	10	tourmaline	2			quartz veined	1	wk
green grey	vcg	crystalline	unfoliated	spod fspr qtz tourm musc	20	tourmaline	3	muscovite	2	veinlet	2	mod
white grey	mg	crystalline	unfoliated	qtz fspr musc	2	tourmaline	2			quartz veined	3	tr
green cream	vcg	crystalline	unfoliated	spod fspr qtz	20	tourmaline	3			quartz veined	2	mod
white grey	mg	crystalline	unfoliated	qtz fspr		tourmaline	2					
black green	fmg	crystalline	slickensided	qtz pyrox sericite	10	sericite	4	biotite	10			wk
black grey	fg	crystalline	slickensided	qtz pyrox sericite		sericite	5	biotite	10	quartz veined	2	
black green	fmg	crystalline	slickensided	qtz pyrox sericite	10	sericite	4	biotite	10			wk
white grey	fmg	crystalline	unfoliated	qtz fspr		tourmaline	3			quartz veined	1	
black grey	fmg	crystalline	slickensided	qtz pyrox sericite		sericite	3	biotite	10	quartz veined	1	

Comments DoNotDeleteThisRow	Logged Date	Logged By Autopopulates
Overburden material, thrown out by drillers	2016-09-13	MT
Lower grade pegmatite	2016-09-13	MT
Pegmatite with coarse spodumene crystals	2016-09-13	MT
finer grained spodumene crystals	2016-09-13	MT
Fingers of course spodumene with Aplitic zones	2016-09-13	MT
Strong spodumene mineralisation zone	2016-09-13	MT
Aplitic zone with trace spodumene	2016-09-13	MT
Strong zone of spodumene	2016-09-13	MT
Finer grained crystals of spodumene	2016-09-13	MT
strong zone of finer grained spodumene crystals	2016-09-13	MT
very strong zone of spodumene mineralisation	2016-09-13	MT
strong finer grained spodumene zone	2016-09-13	MT
very strong zone of coarse spodumene	2016-09-13	MT
finer grained spodumene zone	2016-09-13	MT
coarse grained spodumene crystals	2016-09-13	MT
very strong zone of spodumene mineralisation	2016-09-13	MT
Aplite zone with some spodumene	2016-09-13	MT
finer grained spodumene mineralisation	2016-09-13	MT
Aplite and Coarse grained spodumene albite pegmatite zone	2016-09-13	MT
strong zone of finer grained spodumene crystals	2016-09-13	MT
spodumene pegmatite with some aplite	2016-09-13	MT
aplite spodumene zone	2016-09-13	MT
strong coarse spodumene mineralisation	2016-09-13	MT
aplite spodumene zone	2016-09-15	MT
spodumene with coarse qtz crystals	2016-09-15	MT
trace spodumene within an aplite zone	2016-09-15	MT
spodumene pegmatite with bands of aplite	2016-09-15	MT
aplite zone wih bands of spodumene bearing pegmatite	2016-09-15	MT
spodumene with small bands of aplite	2016-09-15	MT
granitic material low spodumene leve;	2016-09-15	MT
spodumene with apalite banding throughout	2016-09-15	MT
intermediate zone	2016-09-15	MT
mafic igneous with spodumene?	2016-09-15	MT
mafic igneous. Basaltic aphanitic	2016-09-15	MT
spodumene? Within basalt??	2016-09-15	MT
granitic material	2016-09-15	MT
EOH - mafic volcanics	2016-09-15	MT

Approved-by: Gustavo Delendatti

Signature:



Dataset	Hole_ID	mFrom	mTo	Interval Length (m)	Lith1 Description
Autopopulates	Autopopulates				
Authier	AL-16-002	0	46.07	46.07	Vvm mafic volcanic
Authier	AL-16-002	46.07	49.88	3.81	Gps Intermediate Zone Pegmatite
Authier	AL-16-002	49.88	50.48	0.60	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	50.48	50.9	0.43	Gpg pegmatite
Authier	AL-16-002	50.9	55.51	4.61	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	55.51	57.17	1.66	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	57.17	59.64	2.47	Gap Aplite
Authier	AL-16-002	59.64	65.02	5.38	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	65.02	65.47	0.46	Gpg pegmatite
Authier	AL-16-002	65.47	65.79	0.33	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	65.79	68.86	3.07	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	68.86	69.56	0.71	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	69.56	71.8	2.24	Gpg pegmatite
Authier	AL-16-002	71.8	72.79	1.00	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	72.79	76.37	3.58	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	76.37	77.18	0.82	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	77.18	77.87	0.69	Gpg pegmatite
Authier	AL-16-002	77.87	79.19	1.32	Gap Aplite
Authier	AL-16-002	79.19	80.94	1.75	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	80.94	82.61	1.67	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	82.61	84.53	1.92	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	84.53	93.9	9.37	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	93.9	94.69	0.79	Gap Aplite
Authier	AL-16-002	94.69	98.07	3.38	Gps Albite-Spodumene Pegmatite
Authier	AL-16-002	98.07	99.75	1.69	Gpg pegmatite
Authier	AL-16-002	99.75	111	11.25	Vvm mafic volcanic

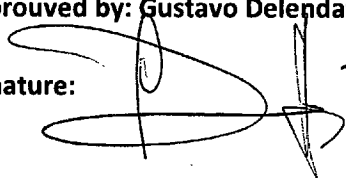
Lith2 Description	Lith2_pct	Colour Description	Lith1_Grain size	Lith1_Textu re Description	Lith1_Struc ture Description	Alt1 description	Alt1_Int
		black grey	fg	crystalline			
		grey white	cg	crystalline	unfoliated		
Gap Aplite	40	grey green	cg	crystalline	unfoliated		
		white black	vcg	crystalline	unfoliated		
Gap Aplite	45	grey green	vcg	crystalline	unfoliated		
		grey green	cg	crystalline	unfoliated		
Gps Albite-Spodumene Pegmatite	20	white grey	fmg	crystalline	unfoliated	biotite alteration	wk
Gpg pegmatite	20	grey green	cg	crystalline	unfoliated		
		white black	vcg	crystalline	unfoliated		
Gpg pegmatite	30	grey green	cg	crystalline	unfoliated		
Gpg pegmatite	50	white green	vcg	crystalline	unfoliated		
		grey green	cg	crystalline	unfoliated		
Gps Albite-Spodumene Pegmatite	10	white black	vcg	crystalline	unfoliated		
		green grey	vcg	crystalline	unfoliated		
Gap Aplite	45	green grey	cg	crystalline	unfoliated		
		green grey	vcg	crystalline	unfoliated		
		white black	cg	crystalline	brecciated		
Gps Albite-Spodumene Pegmatite	15	white grey	mg	crystalline	unfoliated		
Gap Aplite	25	green grey	mg	crystalline	unfoliated		
Gap Aplite	5	green grey	vcg	crystalline	unfoliated		
		green grey	vcg	crystalline	unfoliated		
Gap Aplite	20	green grey	vcg	crystalline	unfoliated		
Gps Albite-Spodumene Pegmatite	30	white cream	fmg	crystalline	unfoliated		
		green grey	vcg	crystalline	unfoliated		
Gip Intermediate zone pegmatite	15	white grey	cg	crystalline	unfoliated		
		black grey	fg	crystalline	slickensided		

Min_Comp osition freetext	Spodumen e_Pct	Min2 description	Min2_Pct	Min3 description	Min3_Pct	Vein1 description	Vein1_Pct	Vein2 description
qtz biotite pyrox								
qtz fspr tourm		tourmaline	3	muscovite	5	quartz veined	2	
spod qtz fspr	15							
qtz tourm fspr	5	tourmaline	15	muscovite	5			
spod qtz fspr tourm	15	tourmaline	2	muscovite	2	quartz veined	2	
spod qtz fspr	20	tourmaline	2	muscovite	4			
spod qtz fspr tourm	5	tourmaline	10	muscovite	5	quartz veined	5	carbonate veined
spod qtz fspr	20	tourmaline	3	biotite	3	quartz veined	7	
qtz fspr tourm		tourmaline	5			quartz veined	3	
spod qtz fspr	10	tourmaline	3					
spod qtz tourm	15	tourmaline	15	biotite	3	quartz veined	15	
spod qtz	15	tourmaline	2			quartz veined	2	
qtz fspr tourm spod	5	tourmaline	10			quartz veined	10	
spod qtz fspr	20	tourmaline	5			quartz veined	2	
spod qtz tourm fspr	10	tourmaline	10	biotite	10	quartz veined	5	
spod qtz fspr garnet	25	garnet	2			quartz veined	1	
tourm qtz fspr		tourmaline	25					
qtz fspr	5	tourmaline	2	muscovite	5	quartz veined	1	
spod qtz fspr musc	10	muscovite	5					
spod qtz fspr	35	muscovite	5			quartz veined	3	
spod qtz fspr	30					quartz veined	10	
spod fspr qtz	20	muscovite	5			quartz veined	2	
qtz fspr spod	5					quartz veined	5	
spod qtz fspr	40	muscovite	5					
qtz fspr musc	2	muscovite	5			quartz veined	5	
bt qtz pyrox		biotite	15			quartz veined	5	carbonate veined

Vein2_Pct	Spodumene_Int	Comments	Logged_Date	Logged_By
		DoNotDeleteThisRow		Autopopulates
		mafic volcanics - not logged in detail	2016-09-17	MT
		intermediate zoned pegmatites	2016-09-17	MT
	mod	spodumene and aplite zones	2016-09-17	MT
	tr	quartz and tourmaline	2016-09-17	MT
	mod	spodumene and aplite zones	2016-09-17	MT
	mod	spodumene and aplite zones with finer grained spodumene crystals.	2016-09-17	MT
3	tr	aplite with spodumene zones. Possible bt alteration of some spodumene crystals.	2016-09-17	MT
	mod	spodumene pegmatite zone with barren pegmatite zones banding throughout	2016-09-17	MT
		barren zone of pegmatite	2016-09-17	MT
	wk	spodumene pegmatite zone	2016-09-17	MT
	mod	spodumene pegmatite with tourmaline crystals in quartz veining	2016-09-17	MT
	mod	spodumene qtz pegmatite	2016-09-17	MT
	tr	qtz rich pegmatite with tourmaline and some trace spod	2016-09-17	MT
	mod	spodumene pegmatite zone	2016-09-17	MT
	wk	spodumene pegmatite with aplite banding. Spodumene coarse.	2016-09-17	MT
	str	spodumene with small almandines	2016-09-17	MT
		fault zone within a tourmaline quartz	2016-09-17	MT
	v wk	aplite zone with spodumene banding	2016-09-17	MT
	wk	spodumene with aplite banding	2016-09-17	MT
	str	spod pegmatite zone	2016-09-17	MT
	str	spod pegmatite zone with finer spod crystals	2016-09-17	MT
	mod	spod / aplite banding	2016-09-17	MT
	v wk	aplite with fg spod crystals	2016-09-17	MT
	v str	strong coarse spod zone	2016-09-17	MT
	tr	Bottom of pegmatite, zoned with high silica low spodumene	2016-09-17	MT
3		EOH - Mafic volcanics with quartz and cbt veining	2016-09-17	MT

Approved by: Gustavo Delendatti

Signature:



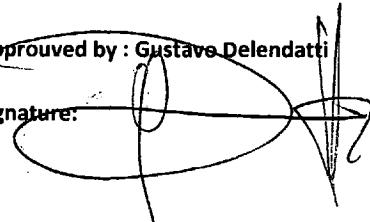
DataSet	Hole_ID	mFrom	mTo	Interval_Length (m)	Lith1 Description	Lith2 Description	Lith2_pct	Hue	Colour Description	Lith1_Grain size
Autopopulates	Autopopulates									
Authier	AI-16-003	0	168.17	168.17	Vvm mafic volcanic			D	grey black	fmg
Authier	AI-16-003	168.17	169.56	1.40	Gip intermediate zone pegmatite			L	white grey	mcb
Authier	AI-16-003	169.56	171.22	1.66	Gps Albite-Spodumene Pegmatite	Gap Aplite	20	L	green grey	cg
Authier	AI-16-003	171.22	172.08	0.87	Gps Albite-Spodumene Pegmatite			M	green grey	vcb
Authier	AI-16-003	172.08	173.03	0.95	Gpg Pegmatite			L	white black	vcb
Authier	AI-16-003	173.03	173.86	0.84	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	30	L	white green	vcb
Authier	AI-16-003	173.86	178.51	4.65	Gps Albite-Spodumene Pegmatite	Gap Aplite	15	L	white green	vcb
Authier	AI-16-003	178.51	179.6	1.09	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	25	M	grey green	mcb
Authier	AI-16-003	179.6	181.9	2.31	Gps Albite-Spodumene Pegmatite			M	green grey	vcb
Authier	AI-16-003	181.9	183.4	1.50	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	15	M	green grey	cg
Authier	AI-16-003	183.4	183.78	0.38	Gps Albite-Spodumene Pegmatite			M	green grey	vcb
Authier	AI-16-003	183.78	185.27	1.50	Gps Albite-Spodumene Pegmatite			D	green white	vcb
Authier	AI-16-003	185.27	185.57	0.30	Gps Albite-Spodumene Pegmatite			M	green grey	mcb
Authier	AI-16-003	185.57	186.12	0.56	Gps Albite-Spodumene Pegmatite			L	green grey	vcb
Authier	AI-16-003	186.12	188.63	2.51	Gpg Pegmatite	Gps Albite-Spodum	40	M	grey white	vcb
Authier	AI-16-003	188.63	189.31	0.69	Gps Albite-Spodumene Pegmatite	Gap Aplite	10	M	green grey	vcb
Authier	AI-16-003	189.31	190.82	1.51	Gps Albite-Spodumene Pegmatite			L	green white	vcb
Authier	AI-16-003	190.82	191.97	1.16	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	20	M	white green	cg
Authier	AI-16-003	191.97	193.64	1.67	Gap Aplite	Gps Albite-Spodum	30	L	white green	fmg
Authier	AI-16-003	193.64	194.3	0.67	Gpg Pegmatite			L	white grey	fmg
Authier	AI-16-003	194.3	195.2	0.90	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	20	M	white grey	vcb
Authier	AI-16-003	195.2	196.73	1.53	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	40	L	grey pink	vcb
Authier	AI-16-003	196.73	203.9	7.18	Vvm mafic volcanic			D	grey black	fmg
Authier	AI-16-003	203.9	204.01	0.11	Vvm mafic volcanic			L	white	cg
Authier	AI-16-003	204.01	211.96	7.96	Vvm mafic volcanic			D	grey black	fmg
Authier	AI-16-003	211.96	212.69	0.73	Vvm mafic volcanic			D	brown grey	mcb
Authier	AI-16-003	212.69	216.56	3.87	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	25	L	green grey	vcb
Authier	AI-16-003	216.56	217.84	1.28	Gpg Pegmatite	Gps Albite-Spodum	20	D	white black	cg
Authier	AI-16-003	217.84	219.81	1.97	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	15	M	green grey	vcb
Authier	AI-16-003	219.81	222.87	3.06	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite	10	L	green white	vcb
Authier	AI-16-003	222.87	225.41	2.54	Gpg Pegmatite	Gip Intermediate Z	50	L	white black	mcb
Authier	AI-16-003	225.41	226.68	1.28	Gip intermediate zone pegmatite	Vvm mafic volcanic	15	D	black grey	fmg
Authier	AI-16-003	226.68	267	40.32	Vvm mafic volcanic			D	grey	fmg

Lith1_Textu re Description	Lith1_Struc ture Description	Alt1 description	Alt1_Int	Min_Comp osition freetext	Spodumene Pct	Min2 description	Min2_Pct	Min3 description
crystalline	slickensided			qtz pyrox bt		biotite	5	
crystalline	unfoliated			qtz fspr	2	biotite	5	
crystalline	unfoliated			spod fspr qtz musc	10	muscovite	5	
crystalline	unfoliated			spod fspr qtz musc	20	muscovite	2	
crystalline	unfoliated			qtz tourm musc		muscovite	5	tourmaline
crystalline	unfoliated			spod fspr qtz musc	10	muscovite	3	
crystalline	unfoliated			spod fspr qtz musc	20	muscovite	5	
crystalline	unfoliated			spod fspr qtz musc	10	muscovite	3	
crystalline	unfoliated			spod fspr qtz musc	35	muscovite	6	
crystalline	unfoliated			spod fspr qtz musc	20	muscovite	10	
crystalline	unfoliated			spod musc fspr	30	muscovite	10	
crystalline	unfoliated			spod fspr qtz musc	40	muscovite	10	
crystalline	unfoliated			spod qtz	15			
crystalline	unfoliated			spod fspr qtz musc	25	muscovite	5	
crystalline	unfoliated			qtz fspr spod musc	15	muscovite	5	
crystalline	unfoliated			spod fspr qtz	25			
crystalline	unfoliated			spod fspr qtz musc	35	muscovite	5	
crystalline	unfoliated			spod qtz fspr musc	25	muscovite	5	
crystalline	unfoliated			spod qtz fspr musc	10	muscovite	3	
crystalline	unfoliated			qtz fspr				
crystalline	unfoliated			spod qtz fpr musc	25	muscovite	10	
crystalline	unfoliated			spod qtz fspr musc	10	muscovite	4	
crystalline	slickensided			qtz pyrox bt		biotite	3	
crystalline	unfoliated			qtz				
crystalline	slickensided			qtz pyrox bt		biotite	3	
crystalline	unfoliated	biotite alteration	mod	biotite pyrox qtz		biotite	30	
crystalline	unfoliated			spod qtz fspr musc tourm	20	muscovite	5	
crystalline	unfoliated			qtz fspr tourm spod	10	biotite	5	
crystalline	unfoliated			spod fspr qtz musc	20	muscovite	5	
crystalline	unfoliated			spod fspr qtz	35	muscovite	5	
crystalline	unfoliated			qtz fspr bt tourm	3	muscovite	5	biotite
crystalline	unfoliated			qtz bt pyrox		biotite	15	
crystalline	slickensided			bt qtz pyrox		biotite	15	

Min3_Pct	Vein1_description	Vein1_Pct	Spodumene_Int	Comments	Logged_Date	Logged_By
				DoNotDeleteThisRow		Autopopulates
				Not logged in detail.	2016-09-20	MT
	quartz veined	5	tr	Intermediate zoned barren pegmatite.	2016-09-20	MT
			wk	weak spod mineralisation with aplite banding	2016-09-20	MT
			mod	stronger zone of spod mineralisation	2016-09-20	MT
3				vcg quartz crystals with musc and tourm.	2016-09-20	MT
			wk	spodumene mineralisation with pegmatite banding	2016-09-20	MT
	quartz veined	5	mod	spodumene / aplite. Some quartz veins with spodumene mineralisation within aplite banding	2016-09-20	MT
	quartz veined	3	wk	finer grained spodumene zone	2016-09-20	MT
			str	strong zone of very coarse spod crystals	2016-09-20	MT
	quartz veined	2	mod	zone of spod / peg. Not as coarse as previously	2016-09-20	MT
	quartz veined	3	str	spodumene with v coarse muscovite	2016-09-20	MT
	quartz veined	1	v str	very coarse spodumene crystals	2016-09-20	MT
	quartz veined	2	mod	fine grained spodumene mineralisation	2016-09-20	MT
	quartz veined	2	str	spodumene pegmatite zone	2016-09-20	MT
	quartz veined	3	wk	pegmatite with spodumene -and muscovite	2016-09-20	MT
			mod	spodumene with aplite banding	2016-09-20	MT
			str	very coarse spodumene crystals	2016-09-20	MT
			mod	spodumene and pegmatite banding	2016-09-20	MT
	quartz veined	2	wk	spodumene / aplite banding	2016-09-20	MT
	quartz veined	3		quartz fspr pegmatite	2016-09-20	MT
	quartz veined	2	mod	spodumene pegmatite zone	2016-09-20	MT
	quartz veined	2	wk	weak spodumene zone before contact with mafics	2016-09-20	MT
				mafic volcanics	2016-09-20	MT
	quartz veined	80		quartz vein within the mafics	2016-09-20	MT
				mafic volcanics	2016-09-20	MT
				mafic volcanics with coarse bt crystals	2016-09-20	MT
	quartz veined	5	mod	spodumene pegmatite / barren quartz rich pegmatite zone	2016-09-20	MT
			wk	pegmatite with spodumene -and muscovite	2016-09-20	MT
			mod	spodumene pegmatite zone	2016-09-20	MT
			str	strong zone of very coarse spod crystals	2016-09-20	MT
3	quartz veined	5	tr	Intermediate zoned barren pegmatite.	2016-09-20	MT
	quartz veined	3		intermediate zoned pegmatite with dark colour. Contact between mafics and pegmatite	2016-09-20	MT
	quartz veined	5		EOH-mafic volcanics, not logged in detail.	2016-09-20	MT

Approved by : Gustavo Delendatti

Signature:



DataSet	Hole_ID	mFrom	mTo	Interval_Length (m)	Lith1 Description	Lith2 Description	Lith2_pct
Autopopulates	Autopopulates			Auto	picklist	picklist	
Authier	AL-16-004	0	10	10.00			
Authier	AL-16-004	10	155.8	145.80	Vvm mafic volcanic		
Authier	AL-16-004	155.8	156.8	1.00	Gip Intermediate Zone Pegmatite		
Authier	AL-16-004	156.8	160.7	3.90	Gps Albite-Spodumene Pegmatite		
Authier	AL-16-004	160.7	163.5	2.81	Gps Albite-Spodumene Pegmatite		
Authier	AL-16-004	163.5	164	0.50	Gap Aplite		
Authier	AL-16-004	164	179.5	15.50	Gps Albite-Spodumene Pegmatite		
Authier	AL-16-004	179.5	182.5	3.00	Gps Albite-Spodumene Pegmatite		
Authier	AL-16-004	182.5	191.4	8.91	Gps Albite-Spodumene Pegmatite	Gap aplite	40
Authier	AL-16-004	191.4	197.5	6.10	Gps Albite-Spodumene Pegmatite	Gap aplite	20
Authier	AL-16-004	197.5	198.85	1.35	Gps Albite-Spodumene Pegmatite	Gap aplite	50
Authier	AL-16-004	198.85	204	5.16	Gps Albite-Spodumene Pegmatite		
Authier	AL-16-004	204	206.3	2.31	Gps Albite-Spodumene Pegmatite		
Authier	AL-16-004	206.3	208	1.70	Gps Albite-Spodumene Pegmatite		
Authier	AL-16-004	208	210.45	2.45	Gip Intermediate Zone Pegmatite		
Authier	AL-16-004	210.45	246	35.55	Vvm mafic volcanic		

Hue	Colour Description picklist	Lith1_Grain size	Lith1_Textu re Description picklist	Lith1_Struc ture Description picklist	Alt1 description picklist	Min_Comp osition freelist	Spodumen e_Pct
	green black		crystalline	unfoliated			
	grey black		crystalline	unfoliated		qz feld biotite musc spod	2
	grey black		crystalline	unfoliated		spod qz feld biot musc tourm	30
	grey black		crystalline	unfoliated		spod qz feld biot musc tourm	15
	grey white		crystalline	unfoliated		qz feld biotite musc	
	grey black		crystalline	unfoliated		spod qz feld biot musc tourm	10
	grey green		crystalline	unfoliated		spod qz feld biot musc tourm	20
	grey white		crystalline	unfoliated		qz feld biotite musc spod	5
	grey		crystalline	unfoliated		qz feld biotite musc spod	10
	grey white		crystalline	unfoliated		qz feld biotite musc spod	5
	grey green		crystalline	unfoliated		spod qz feld biot musc tourm	30
	grey green		crystalline	unfoliated		spod qz feld biot musc tourm	15
	grey		crystalline	unfoliated		spod qz feld biot musc tourm	10
	grey black		crystalline	unfoliated		qz feld biotite musc spod	2
	green black		crystalline	unfoliated			

Min2 description picklist	Min3 description picklist	Vein1 description picklist	Vein1_Pct	Spodumen e_Int
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tourmaline	muscovite			tr
tourmaline	muscovite			str
tourmaline	muscovite			mod
	muscovite			wk mod
	muscovite			mod str
tourmaline				wk
tourmaline				wk mod
tourmaline				wk
	muscovite			v str
tourmaline	muscovite			mod
tourmaline	muscovite			wk mod
tourmaline				tr

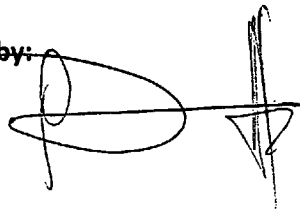
Comments DoNotDeleteThisRow	Logged_Date	Logged_By Autopopulates
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Border pegmatite. Traces Spod. Biotite  
 Coarse grained peg. Coarse to fine grain spod (up to 2 cm crystals)  
 Med grained peg. Med to fine grain spod (up to 1 cm crystals)  
 late to postmineral aplite dyke  
 Biotite - muscovite  
 Muscovite  
 Thin latemineral aplite fingers. Biotite veinlets.  
 Coarse spod nests and fine grain spod  
 Aplite zones  
 Coarse grained peg. Coarse to fine grain spod (up to 2 cm crystals)  
 Med grained peg. Med to fine grain spod (up to 1 cm crystals)  
 Med to fine grained peg  
 Border pegmatite. Traces Spod. Biotite  
 Fault contact; alpha: 75 // beta: 65

2016-09-26	GustavoDelendatti
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2016-09-26	GustavoDelendatti

Approved by:

Signature:



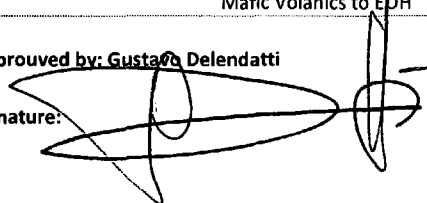
DataSet	Hole_ID	mFrom	mTo	Lith1_Code	Lith1_Structure	Lith1_GrainSize	Lith1_Colour_Tone	Lith1_Colour1	Lith2_Code	Lith2_pc	Alt1_Code
Authier	AL-16-005	0	195.4	Vvm	sls	fmg	M	GYBK			
Authier	AL-16-005	195.4	196.58	Gip	unf	mcb	L	WHBK			
Authier	AL-16-005	196.58	197.16	Gps	unf	cg	L	GNPK			
Authier	AL-16-005	197.16	198.07	Gps	unf	vcb	L	GNWH			
Authier	AL-16-005	198.07	200.4	Gps	unf	cg	L	GNWH			
Authier	AL-16-005	200.4	201.63	Gps	unf	vcb	L	GNWH			
Authier	AL-16-005	201.63	202.18	Gpg	unf	cg	L	WH			
Authier	AL-16-005	202.18	202.54	Gps	unf	vcb	M	GNWH			
Authier	AL-16-005	202.54	202.93	Gip	unf	mcb	L	WHBK			
Authier	AL-16-005	202.93	203.9	Vvm	sls	fmg	M	GYBK			abi
Authier	AL-16-005	203.9	206.21	Gpg	sls	vcb	L	GNPK		50	aci
Authier	AL-16-005	206.21	206.74	Gip	unf	cg	M	WHBK			
Authier	AL-16-005	206.74	208.85	Vvm	sls	fmg	M	GYBK			
Authier	AL-16-005	208.85	210.03	Vvm	sls	mcb	M	BRGY			
Authier	AL-16-005	210.03	216.16	Vvm	sls	fmg	M	GYBK			
Authier	AL-16-005	216.16	216.83	Vvm	sls	mcb	M	BRGY			
Authier	AL-16-005	216.83	217.2	Gip	unf	vcb	L	WHBK			
Authier	AL-16-005	217.2	217.76	Gps	unf	cg	M	NGY			
Authier	AL-16-005	217.76	218.66	Gps	unf	vcb	L	GNWH	Gpg	15	
Authier	AL-16-005	218.66	220.3	Gps	unf	vcb	L	GNWH			
Authier	AL-16-005	220.3	220.83	Gpg	unf	cg	L	WHGN	Gps	10	
Authier	AL-16-005	220.83	221.61	Gpg	unf	cg	L	WHBR			
Authier	AL-16-005	221.61	222.81	Gps	unf	vcb	L	GNWH	Gpg	15	
Authier	AL-16-005	222.81	226.66	Gps	unf	vcb	M	GNWH			
Authier	AL-16-005	226.66	228.54	Gps	unf	cg	L	GNWH	Gap	20	
Authier	AL-16-005	228.54	230.34	Gps	unf	vcb	M	GNBK	Gpg	10	
Authier	AL-16-005	230.34	231.89	Gps	unf	mcb	M	GNWH	Gap	5	
Authier	AL-16-005	231.89	237.11	Gps	unf	cg	L	GNWH	Gap	40	
Authier	AL-16-005	237.11	240.15	Gps	unf	vcb	L	GNWH	Gap	20	
Authier	AL-16-005	240.15	241.34	Gap	unf	mg	L	WHGY	Gpg	25	
Authier	AL-16-005	241.34	242.81	Gps	unf	vcb	L	GNWH	Gap	20	
Authier	AL-16-005	242.81	244.42	Gap	unf	mcb	L	WHGN	Gps	30	
Authier	AL-16-005	244.42	248.1	Gip	unf	cg	L	WHGY			
Authier	AL-16-005	248.1	248.82	Vvm	sls	mcb	M	NGY			
Authier	AL-16-005	248.82	249.41	Vvm	sls	mcb	M	NGY			
Authier	AL-16-005	249.41	253.11	Vvm	sls	mcb	M	NGY			
Authier	AL-16-005	253.11	253.59	Vvm	sls	mcb	M	NGY			
Authier	AL-16-005	253.59	254.25	Vvm	sls	mcb	M	NGY			
Authier	AL-16-005	254.25	254.55	Vvm	sls	mcb	M	NGY			
Authier	AL-16-005	254.55	262.09	Vvm	sls	mcb	M	NGY			
Authier	AL-16-005	262.09	262.41	Rvq	unf	fmg	L	WH			
Authier	AL-16-005	262.41	294	Vvm	unf	mcb	M	NGY			

Alt1_Int	Min_Composition	Min1_Code	Min1_Pct	Min2_Code	Min2_Pct	Min3_Code	Min3_Pct	Vein1_Comp	Vein1_Pct	Spodumene_Int
	pyrox bt qtz									
	qtz fspr bt			bi	3			vqz	2	
	spod bt musc fspr qtz	sn	20	bi	5					mod
	spod fspr qtz	sn	35							v str
	spod bt musc fspr qtz	sn	20	bi	5					mod
	spod fspr qtz	sn	35							v str
	qtz musc spod	sn	10	mu	10					wk
	spod bt fspr qtz	sn	25	bi	5					str
	qtz fspr bt			bi	5			vqz	5	
wk	pyrox bt qtz			bi	5					
str	chl spod bt fspr qtz	sn	10	cl	3	py	1	vlt	3	wk
	qtz fspr bt			bi	10			vqz	2	
	pyrox bt qtz			bi	3					
	pyrox bt qtz			bi	15					
	pyrox bt qtz			bi	4					
	pyrox bt qtz			bi	15					
	qtz fspr bt			bi	10					
	spod qtz fspr bt	sn	10	bi	3					wk
	spod musc qtz fspr	sn	20	mu	5			vqz	10	mod
	spod musc qtz fspr	sn	30	mu	3			vqz	2	str
	qtz fspr musc spod	sn	5	mu	3			vlt	5	v wk
	musc qtz fspr spod	sn	10	mu	3					wk
	spod qtz fspr	sn	15	mu	4			vqz	1	mod
	spod fspr qtz musc	sn	30	mu	3					str
	qtz fspr spod tourm	sn	10	tm	5	bi	5	vqz	3	wk
	spod qtz fspr	sn	25	mu	2					str
	spod qtz fspr	sn	15	mu	3					mod
	spod qtz fspr	sn	15	mu	5			vqz	2	mod
	spod qtz fspr	sn	20	mu	5					mod
	qtz fspr musc spod	sn	5	mu	10			vqz	4	v wk
	spod musc qtz fspr	sn	20	mu	5					mod
	qtz fspr musc spod	sn	5	mu	5	bi	5	vqz	3	v wk
	qtz fspr			bi	3			vqz	10	
	pyrox bt qtz			bi	15					
	pyrox bt qtz			bi	15					
	pyrox bt qtz			bi	10					
	pyrox bt qtz			bi	10					
	pyrox bt qtz			bi	10					
	pyrox bt qtz			bi	10					
	pyrox bt qtz			bi	5					
	qtz							vqz	100	
	pyrox bt qtz			bi	10			vqz	1	

Comments	Logged By	Logged Date
Barren Mafic volcanics. Not logged in detail.	MattThomas	25-sept-16
Intermediate zone pegmatite	MattThomas	25-sept-16
Spodumene / bt / msc pegmatite	MattThomas	25-sept-16
Spodumene pegmatite	MattThomas	25-sept-16
Spodumene / bt / msc pegmatite	MattThomas	25-sept-16
Spodumene crystals >4cm long. Up to 12cm long	MattThomas	25-sept-16
Pegmatite with muscovite and spodumene	MattThomas	25-sept-16
Spodumene / biotite pegmatite	MattThomas	25-sept-16
Intermediate zone pegmatite	MattThomas	25-sept-16
Mafic volcanics with bt alteration	MattThomas	25-sept-16
Spodumene pegmatite dyke which has undergone chlorite alteration with some	MattThomas	25-sept-16
Intermediate zone pegmatite	MattThomas	25-sept-16
Mafic volcanic zone	MattThomas	25-sept-16
Mafic volcanics with bt alteration	MattThomas	25-sept-16
Mafic volcanic zone	MattThomas	25-sept-16
Mafic volcanics with bt alteration	MattThomas	25-sept-16
Intermediate zone pegmatite	MattThomas	25-sept-16
weak zone of spodumene mineralisation	MattThomas	25-sept-16
Spodumene muscovite zone	MattThomas	25-sept-16
Spodumene zone. Coarse crystals	MattThomas	25-sept-16
fluorite veined pegmatite (purple vein)	MattThomas	25-sept-16
Pegmatite with muscovite and spodumene	MattThomas	25-sept-16
Spodumene pegmatite	MattThomas	25-sept-16
Spodumene rich pegmatite zone	MattThomas	25-sept-16
Aplite / Spodumene zone	MattThomas	25-sept-16
Spodumene rich pegmatite zone	MattThomas	25-sept-16
Fine grained spodumene zone	MattThomas	25-sept-16
Banding of spodumene pegmatite and aplite.	MattThomas	25-sept-16
Banding of spodumene pegmatite and aplite.	MattThomas	25-sept-16
Aplite / Pegmatite zone	MattThomas	25-sept-16
Banding of spodumene pegmatite and aplite.	MattThomas	25-sept-16
Aplite / spod peg zone	MattThomas	25-sept-16
Intermediate zone pegmatite	MattThomas	25-sept-16
Mafic volcanics with bt alteration	MattThomas	25-sept-16
Fault Zone in Mafic volcanics	MattThomas	25-sept-16
Mafic volcanics	MattThomas	25-sept-16
Fault Zone in Mafic volcanics	MattThomas	25-sept-16
Mafic volcanics	MattThomas	25-sept-16
Fault Zone in Mafic volcanics	MattThomas	25-sept-16
Mafic volcanics	MattThomas	25-sept-16
Vein qtz	MattThomas	25-sept-16
Mafic Volanics to EDH	MattThomas	25-sept-16

Approved by: ~~Gustavo~~ Delendatti

Signature:



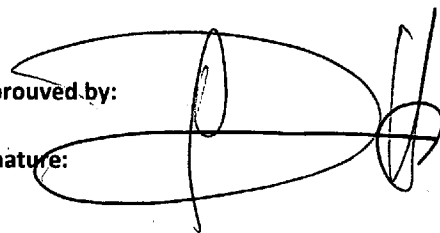
DataSet	Hole_ID	mFrom	mTo	Interval_Le ngth (m)	Lith1 Description	Lith2 Description	Lith2_pct	Hue	Colour Description	Lith1_Grain size
Autopopulates	Autopopulates			Auto	picklist	picklist			picklist	
Authier	AL-16-006	0	3	3.00						
Authier	AL-16-006	3	14.2	11.20	Vvm mafic volcanic				green black	
Authier	AL-16-006	14.2	16	1.80	Gip Intermediate Zone Pegmatite	Gap aplite			grey black	
Authier	AL-16-006	16	16.5	0.50	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	16.5	17.6	1.10	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	17.6	18.2	0.60	Gap Aplite				white green	
Authier	AL-16-006	18.2	19.33	1.13	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	19.33	21.13	1.80	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	21.13	28	6.87	Gps Albite-Spodumene Pegmatite	Gap aplite	40		white green	
Authier	AL-16-006	28	35.2	7.20	Gps Albite-Spodumene Pegmatite	Gap aplite	20		white green	
Authier	AL-16-006	35.2	36.22	1.02	Gip Intermediate Zone Pegmatite	Gap aplite	50		grey white	
Authier	AL-16-006	36.22	41.2	4.98	Vvm mafic volcanic				green black	
Authier	AL-16-006	41.2	42	0.80	Gip Intermediate Zone Pegmatite				grey green	
Authier	AL-16-006	42	43	1.00	Vvm mafic volcanic				green black	
Authier	AL-16-006	43	45.7	2.70	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	45.7	46.9	1.20	Gip Intermediate Zone Pegmatite				green black	
Authier	AL-16-006	46.9	48.1	1.20	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	48.1	50.7	2.60	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	50.7	52.1	1.40	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	52.1	55.5	3.40	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	55.5	58.2	2.70	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	58.2	59.7	1.50	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	59.7	65.55	5.85	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	65.55	66	0.46	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	66	66.5	0.50	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	66.5	67.1	0.60	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	67.1	68.45	1.36	Gps Albite-Spodumene Pegmatite				white green	
Authier	AL-16-006	68.45	70.5	2.05	Gps Albite-Spodumene Pegmatite	Gap aplite			white green	
Authier	AL-16-006	70.5	75.55	5.05	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	75.55	79.88	4.33	Gip Intermediate Zone Pegmatite				grey black	
Authier	AL-16-006	79.88	105	25.12	Vvm mafic volcanic				green black	

Lith1_Textu re Description picklist	Lith1_Textu re Auto	Lith1_Struc ture Description picklist	Alt1 description picklist	Alt1 Auto	Alt1_Int	Min_Comp osition freetext	Spodumen e_Pct	Min2 description picklist	Min2_Pct	Min3 description picklist
crystalline	xtl	unfoliated								
crystalline	xtl	unfoliated				qz feld biotite musc spod	10	tourmaline		muscovite
crystalline	xtl	unfoliated				spod qz feld biot musc tourm	1	tourmaline		muscovite
crystalline	xtl	unfoliated				spod qz feld biot musc tourm	20	tourmaline		muscovite
crystalline	xtl	unfoliated				qz feld biotite musc	5			
crystalline	xtl	unfoliated				spod qz feld biot musc tourm	25			muscovite
crystalline	xtl	unfoliated				spod qz feld biot musc tourm	5			muscovite
crystalline	xtl	unfoliated				qz feld biotite musc spod	25	tourmaline		
crystalline	xtl	unfoliated				qz feld biotite musc spod	20	tourmaline		
crystalline	xtl	unfoliated				qz feld biotite musc spod	2	tourmaline		
crystalline	xtl	unfoliated				spod qz feld biot musc tourm				muscovite
crystalline	xtl	unfoliated				spod qz feld biot musc tourm	15	tourmaline		muscovite
crystalline	xtl	unfoliated				spod qz feld biot musc tourm		tourmaline		muscovite
crystalline	xtl	unfoliated				qz feld biotite musc spod	5	tourmaline		
crystalline	xtl	unfoliated					5			
							15			
							15			
							10			
							20			
							1			
							10			
							1			
							1			
							10			
							1			
							10			
							1			
							5			

Min3_Pct	Vein1 description picklist	Vein1 Auto	Vein1_Pct	Spodumen e_Int	Comments DoNotDeleteThisRow	Logged_Date	Logged_By Autopopulates
						2016-09-26	GustavoDelendatti
				wk mod	Border pegmatite. Traces Spod. Biotite	2016-09-26	GustavoDelendatti
				tr	Coarse grained peg. Coarse to fine grain spod (up to 2 cm crystals)	2016-09-26	GustavoDelendatti
				mod str	Med grained peg. Med to fine grain spod (up to 1 cm crystals)	2016-09-26	GustavoDelendatti
				wk	late to postmineral aplite dyke	2016-09-26	GustavoDelendatti
				str	Biotite - muscovite	2016-09-26	GustavoDelendatti
				wk	Muscovite	2016-09-26	GustavoDelendatti
				str	Thin lateminerale aplite fingers. Biotite veinlets.	2016-09-26	GustavoDelendatti
				str	Coarse spod nests and fine grain spod	2016-09-26	GustavoDelendatti
				wk	Aplite zones	2016-09-26	GustavoDelendatti
				mod	Coarse grained peg. Coarse to fine grain spod (up to 2 cm crystals)	2016-09-26	GustavoDelendatti
					Med grained peg. Med to fine grain spod (up to 1 cm crystals)	2016-09-26	GustavoDelendatti
					Med to fine grained peg	2016-09-26	GustavoDelendatti
				wk	Border pegmatite. Traces Spod. Biotite	2016-09-26	GustavoDelendatti
				wk		2016-09-26	GustavoDelendatti
				mod		2016-09-26	GustavoDelendatti
				mod		2016-09-26	GustavoDelendatti
				wk mod		2016-09-26	GustavoDelendatti
				str		2016-09-26	GustavoDelendatti
				tr		2016-09-26	GustavoDelendatti
				mod		2016-09-26	GustavoDelendatti
				tr	Fault Zone	2016-09-26	GustavoDelendatti
				tr		2016-09-26	GustavoDelendatti
				tr		2016-09-26	GustavoDelendatti
				wk mod		2016-09-26	GustavoDelendatti
				tr		2016-09-26	GustavoDelendatti
				wk mod		2016-09-26	GustavoDelendatti
				tr		2016-09-26	GustavoDelendatti
				wk	Fault Zone	2016-09-26	GustavoDelendatti
						2016-09-26	GustavoDelendatti

Approved by:

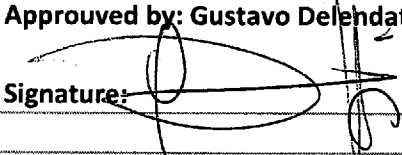
Signature:









Comments	Logged_By	Logged_Date
No Recov	MattThomas	30-sept-16
Moderate spodumene pegmatite zone. With small amount of coarse flake graphite. In a vein	MattThomas	30-sept-16
Pegmatite with replced spodumene crystals. Maybe pyroxenes or tourmalines...	MattThomas	01-oct-16
Fine grained spodumene pegmatite. Possibly a second pulse of liquid?	MattThomas	01-oct-16
strong zone of spodumene mineralisation	MattThomas	01-oct-16
bands of v. coarse spod with v. fine spod. Looks like the fg spod is a second pulse of liquid.	MattThomas	01-oct-16
bands of coarse spod with aplite	MattThomas	01-oct-16
very coarse spodumene pegmatite and coarse spodumene pegmatite	MattThomas	01-oct-16
fine grained spod with qtz veins	MattThomas	01-oct-16
coarse grained spodumene pegmatite	MattThomas	01-oct-16
very coarse pegmatite with a small amount of spodumene	MattThomas	01-oct-16
pegmatite with aplite band.	MattThomas	01-oct-16
spod pegmatite.	MattThomas	01-oct-16
weak spodumene pegmatite	MattThomas	01-oct-16
intermediate zone pegmatite in contact with mafic volcanics	MattThomas	01-oct-16
mafic volcaic zone with magnetite. EOH	MattThomas	01-oct-16
<b>Approved by: Gustavo Delendatti</b>		
<b>Signature:</b> 		

DataSet Autopopulates	Hole_ID Autopopulates	mFrom	mTo	Interval_Le ngth (m) Auto	Lith1 Description picklist	Lith2 Description picklist	Lith2 Auto	Lith2_pct
Authier	AL-16-008	0	10	10.00				
Authier	AL-16-008	10	164.4	154.40	Vvm mafic volcanic			
Authier	AL-16-008	164.4	165.6	1.20	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	165.6	167.3	1.71	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	167.3	170.3	3.00	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	170.3	172.5	2.20	Gps Albite-Spodumene Pegmatite	Gap aplite		
Authier	AL-16-008	172.5	174.5	2.00	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	174.5	175	0.50	Gap aplite			
Authier	AL-16-008	175	183.2	8.20	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	183.2	188.8	5.61	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	188.8	189.95	1.15	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	189.95	192.2	2.25	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-008	192.2	198.73	6.53	Gip Intermediate Zone Pegmatite			
Authier	AL-16-008	198.73	204.58	5.86	Vvm mafic volcanic			
Authier	AL-16-008	204.58	206.45	1.87	Vvm mafic volcanic			
Authier	AL-16-008	206.45	207.3	0.86	Gip Intermediate Zone Pegmatite			
Authier	AL-16-008	207.3	234	26.70	Vvm mafic volcanic			

Hue	Colour Description picklist	Lith1_Grain size	Lith1_Textu re Description picklist	Lith1_Struc ture Description picklist	Alt1 description picklist	Alt1 Auto	Alt1_Int	Min_Comp osition freetext	Spodumen e_Pct
	green white	fmg	crystalline	unfoliated					
	white green	cg	crystalline	unfoliated				qtz fspr musc	20
	white green	cg	crystalline	unfoliated				spod qtz fspr bt	30
	white green	cg	crystalline	unfoliated				qtz fspr	15
	white green	vcg	crystalline	unfoliated				spod qtz fspr musc	10
	white green	cg	crystalline	unfoliated				spod qtz fspr musc	20
	white	vcg	crystalline	unfoliated				spod qtz fspr bt	5
	green white	cg	crystalline	unfoliated				spod qtz fspr musc	20
	white green	fmg	crystalline	unfoliated				spod qtz fspr bt	5
	white green	vcg	crystalline	unfoliated				qtz fspr tourm spod	20
	white green	vcg	crystalline	unfoliated				qtz fspr tourm spod	30
	white green	vcg	crystalline	unfoliated				qtz fspr tourm bt	5
	white green	cg	crystalline						
	green white	cg	crystalline						
	white grey	cg	crystalline						5
	green white	cg	crystalline						

Min2 description picklist	Min2_Pct	Min3 description picklist	Min3_Pct	Vein1 description picklist	Vein1 Auto	Vein1_Pct	Spodumen e_int
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muscovite							str
muscovite	4						str
muscovite							mod str
muscovite	3						mod
muscovite	5						str
muscovite	5	biotite	5				tr
muscovite	5						str
biotite	5						tr
muscovite	10						str
muscovite	15						str
muscovite	10	biotite	5				tr

tr

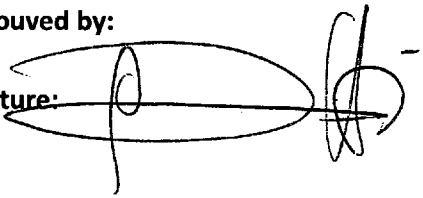
Comments DoNotDeleteThisRow	Logged_Date	Logged_By Autopopulates
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Mafic volcanics, not logged in detail

2016-10-17	GustavoDelendatti
2016-10-17	GustavoDelendatti
2016-10-17	GustavoDelendatti
2016-10-17	GustavoDelendatti
2016-10-17	GustavoDelendatti
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2016-10-17	GustavoDelendatti
2016-10-17	GustavoDelendatti
2016-10-17	GustavoDelendatti

Approved by:

Signature:



DataSet	Hole_ID	mFrom	mTo	Interval_Le ngth (m)	Lith1 Description	Lith2 Description	Lith2_pct	Hue
Authier	AL-16-009	0	190	190.00	Vvm mafic volcanic			m
Authier	AL-16-009	190	191.6	1.60	Gip Intermediate Zone Pegmatite			m
Authier	AL-16-009	191.6	198	6.41	Gps Albite-Spodumene Pegmatite			m
Authier	AL-16-009	198	218	20.00	Gps Albite-Spodumene Pegmatite	Gap Aplite		
Authier	AL-16-009	218	228.4	10.40	Gip Intermediate Zone Pegmatite	Gap Aplite		m
Authier	AL-16-009	228.4	229.4	1.00	Gps Albite-Spodumene Pegmatite			m
Authier	AL-16-009	229.4	233.2	3.80	Gps Albite-Spodumene Pegmatite	Gap Aplite		
Authier	AL-16-009	233.2	233.8	0.61	Gps Albite-Spodumene Pegmatite			m
Authier	AL-16-009	233.8	249	15.20	Gpg pegmatite			

Colour Description	Lith1_Grain size	Lith1_Texture Description	Lith1_Structure Description	Alt1 description	Alt1	Alt1_Int	Min_Composition freetext	Spodumene_Pct
black grey	fg	crystalline					biotite pyrox	
grey black	fg	crystalline	unfoliated				qtz fspr tourm biotite	5
white green	cg	crystalline	unfoliated				spod qtz fspr biotite muscovite	30
white green	mg	crystalline	unfoliated				spod qtz fspr biotite muscovite	20
grey black	vcg	crystalline	unfoliated				spod qtz fspr tourm	10
grey green	cg	crystalline	unfoliated				spod qtz fspr tourm	15
white grey	fmg	crystalline	unfoliated	biotite alteration	abi	wk	spod qtz fspr tourm	5
grey green	cg	crystalline	unfoliated				Milonite	
black grey	vcg	crystalline	unfoliated				qtz fspr tourm	

Min2 description	Min2	Min2_Pct	Min3 description	Min3	Min3_Pct	Vein1 description	Vein1	Vein1_Pct	Spodumen e_Int
tourmaline	tm	10	biotite	bi	3				wk
biotite	bi	10	muscovite	mu	5				str
biotite	bi	5	muscovite	mu	5				mod str
tourmaline	tm	10	biotite	bi	10				wk mod
tourmaline	tm	10	biotite	bi	10				mod
tourmaline	tm	10	biotite	bi	10				tr mod

Comments	Logged_Date	Logged_By
DoNotDeleteThisRow		Autopopulates
mafic volcanics - not logged in detail	2016-10-02	GD
intermediate zoned pegmatites	2016-10-02	GD
spodumene zones	2016-10-02	GD
spodumene zones	2016-10-02	GD
spodumene and aplite zones	2016-10-02	GD
Dark Grey spodumene	2016-10-02	GD
Weak Spodumene	2016-10-02	GD
Milonite zone	2016-10-02	GD

Approved by: Gustavo Delandatti

Signature: 

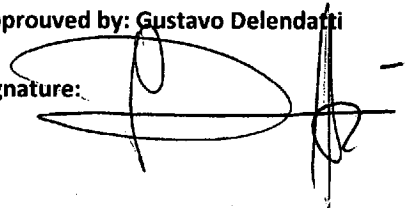
DataSet	Hole_ID	mFrom	mTo	Lith1_Code	Lith1_Texture	Lith1_Structure	Lith1_GrainSize	Lith1_Colour_To	Lith1_Colour1	Lith2_Code	Lith2_pc
Authier	AL-16-010	0	1.8	Rns							
Authier	AL-16-010	1.8	4.33	Vvm	xtl	sls	fmg	M	GY		
Authier	AL-16-010	4.33	5.53	Gps	xtl	unf	vcg	L	WHRD		
Authier	AL-16-010	5.53	9.97	Vvm	xtl	sls	fmg	M	GY		
Authier	AL-16-010	9.97	10.7	Gps	xtl	unf	vcg	L	WHGN		
Authier	AL-16-010	10.7	15.59	Vvm	xtl	sls	fmg	M	GYBR		
Authier	AL-16-010	15.59	21.32	Gps	xtl	unf	vcg	L	WHGN		
Authier	AL-16-010	21.32	22.22	Gps	xtl	unf	vcg	L	WHRD	Gap	15
Authier	AL-16-010	22.22	46.1	Vvm	xtl	sls	fmg	M	GYGN		
Authier	AL-16-010	46.1	234.01	Vvm	xtl	sls	fmg	M	GYGN		
Authier	AL-16-010	234.01	234.4	Gip	xtl	unf	cg	L	WHGY		
Authier	AL-16-010	234.4	234.68	Gap	sug	unf	fg	L	WH		
Authier	AL-16-010	234.68	234.92	Gip	xtl	unf	mcb	L	WHGY		
Authier	AL-16-010	234.92	235.93	Gps	xtl	unf	vcb	L	WHGN		
Authier	AL-16-010	235.93	241.21	Gps	xtl	unf	vcb	L	GNWH		
Authier	AL-16-010	241.21	242.18	Gip	xtl	unf	cg	L	WHGY		
Authier	AL-16-010	242.18	243.5	Gap	sug	unf	fmg	L	WH		
Authier	AL-16-010	243.5	245.12	Vvm	xtl	sls	mg	M	BRGY		
Authier	AL-16-010	245.12	248.21	Vvm	xtl	sls	mg	M	GYGN		
Authier	AL-16-010	248.21	248.29	Vvm	xtl	fau	fmg	D	GYBK		
Authier	AL-16-010	248.29	257.8	Vvm	xtl	sls	fmg	M	GYGN		
Authier	AL-16-010	257.8	258.19	Gip	xtl	unf	mcb	L	WHGY		
Authier	AL-16-010	258.19	260.72	Gps	xtl	unf	cg	L	GNWH		
Authier	AL-16-010	260.72	261.22	Gpg	xtl	unf	mcb	L	GYWH	Gap	25
Authier	AL-16-010	261.22	266.18	Gps	xtl	unf	vcb	M	NGY	Gap	15
Authier	AL-16-010	266.18	270.62	Gps	xtl	unf	cg	L	GYGN	Gpg	15
Authier	AL-16-010	270.62	283.17	Vvm	xtl	sls	fmg	L	GYGN		
Authier	AL-16-010	283.17	285.85	Gpg	xtl	unf	cg	L	WHGY	Gps	10
Authier	AL-16-010	285.85	286.59	Vvm	xtl	sls	mcb	M	BRGY		
Authier	AL-16-010	286.59	287.5	Gip	xtl	unf	cg	L	WHGY	Gps	10
Authier	AL-16-010	287.5	288.74	Gap	sug	unf	fg	L	WH	Vvm	5
Authier	AL-16-010	288.74	289.81	Gpg	xtl	unf	cg	L	GYWH		
Authier	AL-16-010	289.81	290.19	Gip	xtl	unf	mcb	L	WHGY		
Authier	AL-16-010	290.19	339	Vvm	xtl	sls	fmg	M	BRGY		

Alt1_Code	Alt1_Int	Alt2_Code	Alt2_Int	Min_Composition	Min1_Code	Min1_Pct	Min2_Code	Min2_Pct	Min3_Code	Min3_Pct	Vein1_Comp
				pyrox qtz magnetite			bi	5			vqz
				quartz spod fspr	sn	20					
				pyrox qtz magnetite			bi	3			vcb
				quartz spod fspr	sn	10					
abi	wk			bt pyrox qtz			bi	15			vcb
				spod tz fspr tourm	sn	25	tm	5	mu	5	vqz
				quartz spod fspr	sn	10					
aci	wk			pyrox qtz magnetite			bi	3			vcb
aci	wk			pyrox qtz magnetite			bi	3			vcb
				qtz fspr musc			mu	1			
				qtz fspr							
				qtz fspr tourm bt			tm	3			vqz
				spod qtz fspr musc	sn	10	mu	5			vqz
				spod qtz fspr musc	sn	30	mu	5			vqz
				qtz fspr tourm bt			tm	1			vqz
				qtz fspr							vqz
abi	wk			pyrox bt magnetite			mt	3	bi	15	vcb
				pyrox qtz magnetite			mt	5			vqz
				pyrox qtz magnetite							
				pyrox qtz magnetite			mt	2			vcb
				qtz fspr musc			mu	3			
				spod qtz fspr musc	sn	20	mu	4			vqz
				qtz fspr musc	sn	5	mu	3			
				spod qtz fspr musc	sn	20	mu	4			vqz
				spod qtz fspr musc	sn	15	mu	5			vqz
abi	wk	aci	v wk	pyrox bt qtz			bi	10			vcb
				qtz fspr musc spod	sn	3	mu	3			
abi	mod			bt qtz pyrox			bi	20			
				qtz fspr musc spod	sn	4	mu	4			
				qtz fspr							
				qtz fspr musc			mu	5			
				qtz fspr musc bt			bi	3			
abi	tr			pyrox bt qtz			bi	5			vcb

Vein1_Pct	Spodumene_Int	Comments	Logged_By	Logged_Date
		No Recov. Likely Mafics	MattThomas	05-oct-16
1		Mafic volcanic zone	MattThomas	05-oct-16
	mod	Strongly oxidised spodumene pegmatite. Possible that spodume has been replaced.	MattThomas	05-oct-16
3		Mafic volcanic zone	MattThomas	05-oct-16
	wk	Weakly oxidised spodumene pegmatite	MattThomas	05-oct-16
1		Mafic volcanic zone with bt alteration. A small <10cm band of barren pegmatite.	MattThomas	05-oct-16
5	str	strongly mineralised spodumene pegmatite	MattThomas	05-oct-16
	wk	moderately oxidised spodumene pegmatite with aplite	MattThomas	05-oct-16
3		chlorite altered mafic zone	MattThomas	05-oct-16
3		not logged in detail	MattThomas	05-oct-16
		Intermediate zone pegmatite	MattThomas	05-oct-16
		sugary aplite	MattThomas	05-oct-16
2		Intermediate zone pegmatite	MattThomas	05-oct-16
1	wk	weak spodumene mineralisation	MattThomas	05-oct-16
3	str	strong zone of spod mineralisation	MattThomas	05-oct-16
1		Intermediate zone pegmatite	MattThomas	05-oct-16
2		sugary aplite	MattThomas	05-oct-16
3		bt altered mafics	MattThomas	05-oct-16
2		mafics	MattThomas	05-oct-16
		fault zone in mafics	MattThomas	05-oct-16
2		mafics	MattThomas	05-oct-16
		Intermediate zone pegmatite	MattThomas	05-oct-16
3	mod	Finer grained spodumene crystals	MattThomas	05-oct-16
	tr	trace spod in a barren zone	MattThomas	05-oct-16
2	mod	spodumene with aplite banding	MattThomas	05-oct-16
2	wk mod	finer grained spodumene mineralisation	MattThomas	05-oct-16
3		Zone of mafics with some bt alt.	MattThomas	05-oct-16
	tr	trace spod in a barren zone	MattThomas	05-oct-16
		bt altered mafics	MattThomas	05-oct-16
	tr	trace spod in a barren zone	MattThomas	05-oct-16
		aplite with mafic xenolith	MattThomas	05-oct-16
		barren pegmatite	MattThomas	05-oct-16
		Intermediate zone pegmatite	MattThomas	05-oct-16
3		EOH - Mafics, not logged in detail	MattThomas	05-oct-16

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Signature:



DataSet Autopopulates	Hole_ID Autopopulates	mFrom	mTo	Interval_Le ngth (m)	Lith1 Description	Lith2 Description	Lith2_pct	Hue
Authier	AL-16-011	0	134.25	134.25	Vvm mafic volcanic			m
Authier	AL-16-011	134.25	136.6	2.35	Gip Intermediate Zone Pegmatite			m
Authier	AL-16-011	136.6	137.65	1.06	Gip Intermediate Zone Pegmatite			m
Authier	AL-16-011	137.65	146.05	8.41	Gps Albite-Spodumene Pegmatite			l
Authier	AL-16-011	146.05	159.9	13.85	Gip Intermediate Zone Pegmatite			m
Authier	AL-16-011	159.9	164.3	4.41	Gps Albite-Spodumene Pegmatite			m
Authier	AL-16-011	164.3	169	4.70	Gps Albite-Spodumene Pegmatite			l
Authier	AL-16-011	169	171.95	2.95	Gps Albite-Spodumene Pegmatite			m
Authier	AL-16-011	171.95	173	1.06	Gpg pegmatite			l
Authier	AL-16-011	173	182	9.00	Gip Intermediate Zone Pegmatite			
Authier	AL-16-011	182	184.45	2.45	Gip Intermediate Zone Pegmatite	Gap Aplite		
Authier	AL-16-011	184.45	184.7	0.25	Gip Intermediate Zone Pegmatite			
Authier	AL-16-011	184.7	204	19.30	Vvm mafic volcanic			

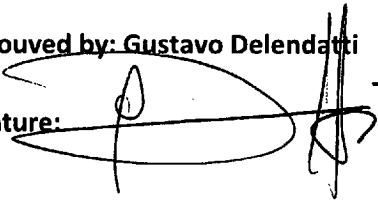




Comments	Logged_Date	Logged_By
DoNotDeleteThisRow		Autopopulates
mafic volcanics - not logged in detail	2016-10-04	GD
intermediate zoned pegmatites	2016-10-04	GD
spodumene zones	2016-10-04	GD
spodumene zones	2016-10-04	GD
spodumene and aplite zones	2016-10-04	GD
Dark Grey spodumene	2016-10-04	GD
Weak Spodumene	2016-10-04	GD
Milonite zone	2016-10-04	GD
	2016-10-04	GD
	2016-10-04	GD
	2016-10-04	GD
	2016-10-04	GD

Approved by: Gustavo Delendatti

Signature:



DataSet	Hole_ID	mFrom	mTo	Lith1_Code	Lith1_Texture	Lith1_Structure	Lith1_GrainSize	Lith1_Colour_Tone
Authier	AL-16-012	0	158.95	Vvm	xtl	sls	fmg	M
Authier	AL-16-012	158.95	160.33	Gip	vug	unf	cg	L
Authier	AL-16-012	160.33	161.19	Gip	xtl	unf	cg	L
Authier	AL-16-012	161.19	162.83	Gpg	xtl	unf	vcg	L
Authier	AL-16-012	162.83	165.5	Gps	xtl	unf	vcg	L
Authier	AL-16-012	165.5	167.06	Gpg	xtl	frc	vcg	L
Authier	AL-16-012	167.06	169.84	Gps	xtl	unf	cg	M
Authier	AL-16-012	169.84	177.04	Gps	xtl	unf	cg	M
Authier	AL-16-012	177.04	178.34	Gps	xtl	unf	vcg	M
Authier	AL-16-012	178.34	193.12	Gps	xtl	unf	cg	M
Authier	AL-16-012	193.12	194.52	Gps	xtl	unf	vcg	L
Authier	AL-16-012	194.52	196.45	Gps	xtl	unf	cg	M
Authier	AL-16-012	196.45	198.43	Gpg	xtl	unf	cg	L
Authier	AL-16-012	198.43	201.78	Gps	xtl	unf	mcg	L
Authier	AL-16-012	201.78	204.05	Gps	xtl	unf	vcg	L
Authier	AL-16-012	204.05	207.76	Gps	vug	unf	vcg	L
Authier	AL-16-012	207.76	209.75	Gpg	vug	frc	cg	L
Authier	AL-16-012	209.75	210.51	Gpg	xtl	unf	vcg	L
Authier	AL-16-012	210.51	211.73	Gpg	vug	frc	cg	L
Authier	AL-16-012	211.73	212.53	Gip	xtl	unf	mcg	L
Authier	AL-16-012	212.53	216	Vvm	xtl	unf	fmg	M
Authier	AL-16-012	216	216.3	Gip	xtl	unf	mcg	L
Authier	AL-16-012	216.3	240	Vvm	xtl	unf	fmg	M

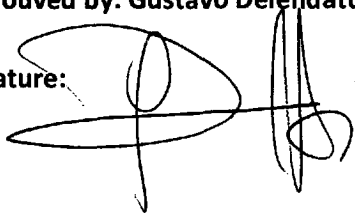
Lith1_Colour1	Lith2_Code	Lith2_pc	Alt1_Code	Alt1_Int	Alt2_Code	Alt2_Int	Min_Composition	Min1_Code
GNGY			abi	v wk	aci	v wk	magnetite qtz pyrox biotite	
GYWH							qtz fspr bt	
GYWH	Gps	10					qtz fspr bt spod	sn
WHGY	Gps	15					qtz fspr spod	sn
GYGN		20					spod qtz fspr musc	sn
WHGY			asi	wk			qtz fspr	
GYGN		15					spod qtz fspr musc	sn
GNPK							spod qtz fspr musc tourm bt	sn
GNWH							spod qtz fspr musc	sn
GNPK		10					spod qtz fspr	sn
GNWH							spod qtz fspr	sn
GYGN	Gpg	10					spod qtz fspr bt musc tourm	sn
WHGY							qtz fspr musc	sn
WHGN	Gpg	45					qtz fspr musc spod	sn
WHBK	Gpg	25	atm	wk			qtz fspr tourm spod	sn
WHGN	Gpg	15					qtz spod fspr	sn
CRBK							qtz fspr tourm musc	sn
WHBK	Gps	20					qtz fspr spod	sn
CRWH							qtz fspr tourm	sn
WHBK							qtz fspr bt	
GYGN			aci	wk mod			qtz pyrox magnet	
WHBK							qtz fspr bt	
GYGN			aci	v wk			qtz pyrox magnet	

Min1_Pct	Min2_Code	Min2_Pct	Min3_Code	Min3_Pct	Vein1_Comp	Vein1_Pct	Vein2_Comp	Vein2_Pct	podumene_In
	bi	5			vcb	2	vqz	2	
	bi	2			vcb	3	vqz	2	
3	bi	2							tr
5									v wk
10	tm	3							wk
	tm	3	bi	3					
15	mu	5			vqz	3			mod
35	mu	5	tm	4	vqz	2			v str
30	mu	4			vqz				v str
25	mu	5	tm	4	vqz	5			str
25	tm	2			vqz	1			str
20	tm	3	bi	3	vqz	3			mod str
2	mu	3			vqz	3			tr
5	mu	3							v wk
15	tm	10			vqz	3			mod
20	mu	3			vqz	2			mod str
2	tm	7	mu	2	vqz	3			tr
7	tm	7							wk
2	tm	7			vqz	3			tr
	bi	3							
	cl	7			vcb	3			
	bi	4							
	mt	2			vcb	1			

Comments	Logged_By	Logged_Date
Not logged in detail	MattThomas	14-oct-16
weakly vugged. Qtz mineralisation within vuggs.	MattThomas	14-oct-16
trace spod mineralisation	MattThomas	14-oct-16
very weak spod mineralisation in a quartz fspr pegmatite	MattThomas	14-oct-16
weak spod min.	MattThomas	14-oct-16
barren fractured fspr qtz zone	MattThomas	14-oct-16
spodumene mineralised dark pegmatite	MattThomas	14-oct-16
very strong zone of spodumene min with pink coloured fsprs and qtz	MattThomas	14-oct-16
very strong zone of coarse grained spod	MattThomas	14-oct-16
strong zone of spodumene with aplite banding	MattThomas	14-oct-16
strong zone of spod mineralisation	MattThomas	14-oct-16
darker pegmatite with mod - str spod min	MattThomas	14-oct-16
pegmatite with muscovite and trace spod	MattThomas	14-oct-16
weak spod min.	MattThomas	14-oct-16
very coarse spodumene crystals with some replacement by a darker mineral. Pyroxene or tourmaline?	MattThomas	14-oct-16
vuggy zone of spodumene and quartz fspr pegmatite	MattThomas	14-oct-16
vuggy pegmatite with fault and fractures	MattThomas	14-oct-16
weak zone of spod min	MattThomas	14-oct-16
fractured vuggy pegmatite with tourmaline or spodumene replaced by a dark mineral	MattThomas	14-oct-16
Intermediate zone peg	MattThomas	14-oct-16
mafic volcanics	MattThomas	14-oct-16
Intermediate zone peg	MattThomas	14-oct-16
mafic volcanics to EOH. Logged in detail up to 225m	MattThomas	14-oct-16

Approved by: Gustavo Delendatti

Signature:



DataSet Autopopulates	Hole_ID Autopopulates	mFrom	mTo	Interval_Le ngth (m) Auto	Lith1 Description picklist	Lith2 Description picklist
Authier	AL-16-013	0	180.83	180.83	Vvm Mafic Volcanic	
Authier	AL-16-013	180.83	182.18	1.35	Gip Intermediate Zone Pegmatite	
Authier	AL-16-013	182.18	185.98	3.80	Gpg Pegmatite	
Authier	AL-16-013	185.98	188.45	2.47	Gps Albite-Spodumene Pegmatite	
Authier	AL-16-013	188.45	188.83	0.39	Gpg Pegmatite	
Authier	AL-16-013	188.83	190.24	1.41	Gps Albite-Spodumene Pegmatite	Gap Aplite
Authier	AL-16-013	190.24	200.99	10.75	Gps Albite-Spodumene Pegmatite	Gap Aplite
Authier	AL-16-013	200.99	205.81	4.82	Gps Albite-Spodumene Pegmatite	
Authier	AL-16-013	205.81	207.21	1.41	Gps Albite-Spodumene Pegmatite	
Authier	AL-16-013	207.21	208.19	0.98	Gps Albite-Spodumene Pegmatite	Gpg Pegmatite
Authier	AL-16-013	208.19	210.31	2.12	Gpg Pegmatite	Gps Albite-Spodumene Pegmatite
Authier	AL-16-013	210.31	210.67	0.36	Gps Albite-Spodumene Pegmatite	
Authier	AL-16-013	210.67	211.94	1.28	Gpg Pegmatite	
Authier	AL-16-013	211.94	212.56	0.63	Gpg Pegmatite	
Authier	AL-16-013	212.56	216.53	3.97	Gpg Pegmatite	
Authier	AL-16-013	216.53	218.65	2.12	Gps Albite-Spodumene Pegmatite	Gap Aplite
Authier	AL-16-013	218.65	219.69	1.04	Gps Albite-Spodumene Pegmatite	
Authier	AL-16-013	219.69	220.52	0.84	Gap Aplite	Gps Albite-Spodumene Pegmatite
Authier	AL-16-013	220.52	223.38	2.86	Gps Albite-Spodumene Pegmatite	
Authier	AL-16-013	223.38	225.37	2.00	Gpg Pegmatite	Gps Albite-Spodumene Pegmatite
Authier	AL-16-013	225.37	226.38	1.01	Gip Intermediate Zone Pegmatite	
Authier	AL-16-013	226.38	234	7.62	Vvm Mafic Volcanic	

Lith2_pct	Hue	Colour Description picklist	Lith1_Grain size	Lith1_Textu re Description picklist	Lith1_Struc ture Description picklist	Alt1 description picklist	Alt1 Auto	Alt1_Int
	M	grey green	fmg	crystalline	slickensided	biotite alteration	abi	wk
	L	white grey	fmg	crystalline	unfoliated			
	L	white cream	cg	crystalline	unfoliated			
	L	white green	cg	crystalline	unfoliated			
	L	white	cg	crystalline	unfoliated			
20	L	white green	vcg	crystalline	unfoliated			
15	L	white green	cg	crystalline	unfoliated			
	L	green white	vcg	crystalline	unfoliated			
	L	green white	cg	crystalline	unfoliated			
30	L	white green	fmg	crystalline	unfoliated			
25	M	white black	vcg	crystalline	unfoliated	tourmaline alteration	atm	wk
	M	white black	vcg	crystalline	unfoliated	tourmaline alteration	atm	mod
	M	white black	vcg	vuggy	unfoliated			
	M	white black	cg	brecciated	faulted/fault			
	M	white black	mcg	flow banded	faulted/fault	tourmaline alteration	atm	wk
20	L	white cream	mg	crystalline	unfoliated			
	L	green white	mcg	crystalline	unfoliated			
40	L	white grey	fg	sugary	unfoliated			
	L	green white	cg	crystalline	unfoliated			
10	M	grey white	cg	crystalline	unfoliated			
	L	grey white	fmg	crystalline	unfoliated			
	D	grey green	fmg	crystalline	slickensided	chlorite alteration	aci	wk

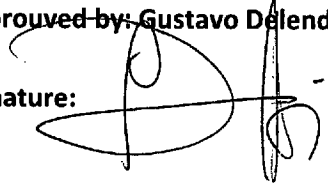
Alt2 description picklist	Alt2 Auto	Alt2_Int	Min_Comp osition freetext	Spodumen e_Pct	Min2 description picklist	Min2 Auto	Min2_Pct	Min3 description picklist
chlorite alteration	aci	wk	pyrox qtz magnetite biotite		biotite	bi	3	
			qtz fspr musc		muscovite	mu	2	
			qtz fspr					
			spod qtz fspr bt	25	muscovite	mu	4	
			qtz fspr					
			spod qtz fspr musc	20	muscovite	mu	3	
			spod qtz fspr musc	25	muscovite	mu	5	
			spod qtz fspr bt	30	muscovite	mu	5	biotite
			spod qtz fspr musc	20	muscovite	mu	5	
			spod qtz fspr bt	10	biotite	bi	5	
			qtz fspr tourm spod	10	tourmaline	tm	10	
			qtz fspr tourm spod	15	tourmaline	tm	15	
			qtz fspr tourm bt	3	tourmaline	tm	10	biotite
			qtz fspr tourm					
			qtz fspr tourm		tourmaline	tm	15	
			spod qtz fspr bt	15	biotite	bi	2	
			spod qtz fspr tourm	25	tourmaline	tm	5	
			qtz fspr spod	8	biotite	bi	5	
			spod qtz fspr	35	muscovite	mu	3	
			qtz fspr bt spod	5	muscovite	mu	4	
			qtz fspr bt		biotite	bi	5	
			pyrox qtz magnetite biotite		biotite	bi	10	chlorite

Min3 Auto	Min3_Pct	Vein1 description picklist	Vein1 Auto	Vein1_Pct	Spodumen e_Int
		carbonate veined	vcb	2	
		quartz veined	vqz	3	
		quartz veined	vqz	2	
		quartz veined	vqz	4	str
		quartz veined	vqz	3	mod str
bi	5	quartz veined	vqz	4	str
		quartz veined	vqz	3	v str
					str
		quartz veined	vqz	4	wk
		quartz veined	vqz	5	wk
bi	5	quartz veined	vqz	5	wk mod
		quartz veined	vqz	5	tr
		quartz veined	vqz	10	
		quartz veined	vqz	5	mod
					str
		quartz veined	vqz	3	v wk
		quartz veined	vqz	3	v str
					tr
cl	5	carbonate veined	vcb	3	

Comments DoNotDeleteThisRow	Logged_Date	Logged_By Autopopulates
Mafic volcanics, not logged in detail	2016-10-17	MattThomas
Intermediate zone pegmatite	2016-10-17	MattThomas
Barren qtz fspr pegmatite	2016-10-17	MattThomas
strong zone of spodumene mineralisation	2016-10-17	MattThomas
Barren qtz fspr pegmatite	2016-10-17	MattThomas
very coarse spodumene mineralisation	2016-10-17	MattThomas
banded spodumene and aplite	2016-10-17	MattThomas
very strong spodumene mineralisation	2016-10-17	MattThomas
strong zone of spodumene mineralisation	2016-10-17	MattThomas
weakly mineralised pegmatite	2016-10-17	MattThomas
zone of spodumene replacement	2016-10-17	MattThomas
zone of spodumene replacement	2016-10-17	MattThomas
vuggy zone of pegmatite with tourmaline replacement and bt	2016-10-17	MattThomas
broken fault zone of pegmatite	2016-10-17	MattThomas
tourmaline crystals lineated with a fault zone	2016-10-17	MattThomas
moderate fine grained spodumene pegmatite with aplite	2016-10-17	MattThomas
strong finer grained spodumene pegmatite	2016-10-18	MattThomas
aplite with a a band of weak spod peg	2016-10-18	MattThomas
very strong spodumene mineralisation	2016-10-18	MattThomas
trace spod in a barren peg	2016-10-18	MattThomas
Intermediate zone pegmatite	2016-10-18	MattThomas
mafic volcanics with chlorite alteration	2016-10-18	MattThomas

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DataSet Autopopulates	Hole_ID Autopopulates	mFrom	mTo	Interval_Le ngth (m)	Lith1 Description	Lith2 Description	Lith2_pct	Hue
Authier	AL-16-014	0	126	126.00	Vvm mafic volcanic			m
Authier	AL-16-014	126	128	2.00	Vvm mafic volcanic			m
Authier	AL-16-014	128	130.65	2.66	Gip Intermediate Zone Pegmatite			m
Authier	AL-16-014	130.65	146.45	15.80	Vvm mafic volcanic			
Authier	AL-16-014	146.45	167.9	21.45	Gip Intermediate Zone Pegmatite			
Authier	AL-16-014	167.9	170.6	2.70	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-014	170.6	177.8	7.21	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-014	177.8	182.2	4.40	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-014	182.2	185.6	3.41	Gpg pegmatite	Gap Aplite		
Authier	AL-16-014	185.6	188.8	3.21	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-014	188.8	193.65	4.85	Gps Albite-Spodumene Pegmatite	Gap Aplite		
Authier	AL-16-014	193.65	194.9	1.25	Gip Intermediate Zone Pegmatite			
Authier	AL-16-014	194.9	202.35	7.45	Vvm mafic volcanic			
Authier	AL-16-014	202.35	203.35	1.00	Gip Intermediate Zone Pegmatite			
Authier	AL-16-014	203.35	206.4	3.06	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-014	206.4	207.2	0.80	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-014	207.2	214	6.81	Gip Intermediate Zone Pegmatite			
Authier	AL-16-014	214	215.5	1.50	Gip Intermediate Zone Pegmatite			
Authier	AL-16-014	215.5	241	25.50	Vvm mafic volcanic			

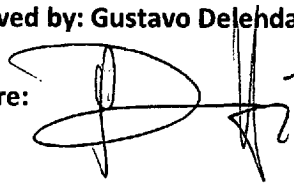
Colour Description	Lith1_Grain size	Lith1_Textu re Description	Lith1_Struc ture Description	Lith1_Struc ture	Alt1 description	Alt1	Alt1_Int	Min_Comp osition freetext
green black	fg	crystalline						pyrox biot
green black	fg	crystalline						biot muscovite pyrox
grey black	cg	crystalline						spod qtz fspr
green black	mg	crystalline						biot muscovite pyrox
grey black	vcg	crystalline						spod qtz fspr biotite tourm muscovite
grey green	cg	crystalline						spod qtz fspr biotite tourm muscovite
white grey	fmg	crystalline						spod qtz fspr biotite muscovite
grey green	cg	crystalline						spod qtz fspr biotite muscovite
black grey	vcg	crystalline						qtz fspr biotite tourm
white grey	cg	crystalline						spod qtz fspr biotite muscovite
white grey	cg	crystalline						spod qtz fspr biotite tourm muscovite
black grey	mg	crystalline						spod qtz fspr biotite tourm muscovite
green black	fg	crystalline						spod qtz fspr biotite tourm muscovite
black grey	cg	crystalline						spod qtz fspr biotite muscovite
white grey	cg	crystalline						spod qtz fspr biotite muscovite
white grey	cg	crystalline						spod qtz fspr biotite muscovite
black grey	mg	crystalline						spod qtz fspr biotite tourm muscovite
black grey	mg	crystalline						spod qtz fspr biotite tourm muscovite
green black	fg	crystalline						spod qtz fspr biotite tourm muscovite



Comments DoNotDeleteThisRow	Logged_Date	Logged_By Autopopulates
mafic volcanics - not logged in detail	2016-10-14	GD
Shear zone - 50 % Biotite - Muscovite	2016-10-14	GD
Spodumene to chlorite - Dark green	2016-10-14	GD
mafic volcanics	2016-10-14	GD
spodumene and aplite zones	2016-10-14	GD
Dark Grey spodumene	2016-10-14	GD
Weak Spodumene	2016-10-14	GD
Milonite zone	2016-10-14	GD
Postmineral aplite dykes.	2016-10-14	GD
Transition zone. Aplitite. Chlorite after spodumene. Biotite	2016-10-14	GD
Transition zone. Chlorite after spodumene. Biotite	2016-10-14	GD
Mafic	2016-10-14	GD
Transition zone. Chlorite after spodumene. Biotite	2016-10-14	GD
Fresh spodumene	2016-10-14	GD
Chlorite after spodumene. Biotite	2016-10-14	GD
Transition zone	2016-10-14	GD
Acid leaching	2016-10-14	GD
mafic volcanics - not logged in detail	2016-10-14	GD

Approved by: Gustavo Delehdatti

Signature:



DataSet	Hole_ID	mFrom	mTo	Interval Length (m)	Lith1 Description	Lith2 Description	Lith2_pct	Hue
Autopopulates	Autopopulates							
Authier	AL-16-015	0	240.75	240.75	Vvm mafic volcanic			
Authier	AL-16-015	240.75	241	0.25	Gip Intermediate Zone Pegmatite	Gap Aplite		
Authier	AL-16-015	241	242	1.00	Gip Intermediate Zone Pegmatite			
Authier	AL-16-015	242	243.2	1.20	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-015	243.2	245.2	2.00	Gip Intermediate Zone Pegmatite			
Authier	AL-16-015	245.2	249.2	4.00	Gps Albite-Spodumene Pegmatite	Gap Aplite		
Authier	AL-16-015	249.2	253.8	4.61	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-015	253.8	258.5	4.70	Gps Albite-Spodumene Pegmatite			
Authier	AL-16-015	258.5	262.3	3.81	Gps Albite-Spodumene Pegmatite	Gap Aplite		
Authier	AL-16-015	262.3	264	1.70	Gip Intermediate Zone Pegmatite			
Authier	AL-16-015	264	265	1.00	Gip Intermediate Zone Pegmatite	Gap Aplite		
Authier	AL-16-015	265	267	2.00	Gip Intermediate Zone Pegmatite			
Authier	AL-16-015	267	269	2.00	Vvm mafic volcanic			
Authier	AL-16-015	269	279	10.00	Vvm mafic volcanic			

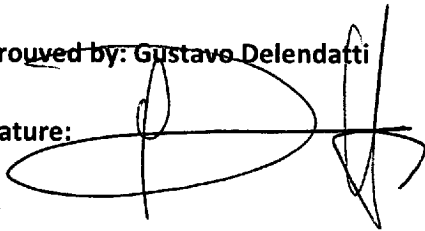
Colour Description	Lith1_Grain size	Lith1_Texture Description	Lith1_Structure Description	Lith1_Structure	Alt1 description	Alt1	Alt1_Int	Min_Composition freetext	Spodumene_Pct
green black	fg	crystalline						pyrox biot	0
grey black	mg	crystalline						biot muscovite pyrox	2
grey black	mg	crystalline						spod qtz fspr	2
white grey	cg	crystalline						biot muscovite pyrox	15
grey black	cg	crystalline						spod qtz fspr tourm	15
white grey	cg	crystalline						spod qtz fspr	20
white grey	cg	crystalline						spod qtz fspr tourm	30
white grey	mg	crystalline						Milonite	30
white grey	mg	crystalline						qtz fspr tourm	15
grey black	mg	crystalline							5
grey black	mg	crystalline							10
grey black	mg	crystalline							2
green black	fg	crystalline							
green black	fg	crystalline							



Comments	Logged Date	Logged By
DoNotDeleteThisRow		Autopopulates
mafic volcanics - not logged in detail	2016-10-20	GD
Transition Zone - Aplite Dyke	2016-10-20	GD
Transition Zone	2016-10-20	GD
Spodumene altered to chlorite	2016-10-20	GD
Spodumene altered to chlorite	2016-10-20	GD
Dark Grey spodumene	2016-10-20	GD
	2016-10-20	GD
50 % Aplite dykes late mineral	2016-10-20	GD
261 - 265 mts Fault Zone	2016-10-20	GD
	2016-10-20	GD
267 -269 mts Fault Zone	2016-10-20	GD

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DataSet	Hole_ID	mFrom	mTo	Lith1_Code	Lith1_Texture	Lith1_Structure	Lith1_GrainSize	Lith1_Colour_Tone
Authier	AL-16-016	0	151.88	Vvm	xtl	sls	fmg	D
Authier	AL-16-016	151.88	153.43	Gip	xtl	unf	fmg	M
Authier	AL-16-016	153.43	154.5	Gpg	xtl	unf	cg	L
Authier	AL-16-016	154.5	155.11	Vvm	xtl	unf	fmg	D
Authier	AL-16-016	155.11	157.82	Gpg	xtl	unf	cg	L
Authier	AL-16-016	157.82	163.13	Gps	xtl	unf	cg	M
Authier	AL-16-016	163.13	164.97	Gps	xtl	unf	vcg	L
Authier	AL-16-016	164.97	169.51	Gps	xtl	unf	vcg	L
Authier	AL-16-016	169.51	170.66	Gps	xtl	unf	vcg	L
Authier	AL-16-016	170.66	171.2	Gps	xtl	unf	mcg	L
Authier	AL-16-016	171.2	173.14	Gps	xtl	unf	vcg	L
Authier	AL-16-016	173.14	173.43	Gap	sug	unf	fg	L
Authier	AL-16-016	173.43	176.4	Gps	xtl	unf	cg	L
Authier	AL-16-016	176.4	178.33	Gps	xtl	unf	vcg	L
Authier	AL-16-016	178.33	180.58	Gps	xtl	unf	cg	L
Authier	AL-16-016	180.58	181.52	Gps	xtl	unf	cg	L
Authier	AL-16-016	181.52	182.68	Gpg	xtl	unf	vcg	M
Authier	AL-16-016	182.68	184.18	Gps	xtl	unf	mcg	M
Authier	AL-16-016	184.18	191.36	Gpg	xtl	unf	vcg	M
Authier	AL-16-016	191.36	192.29	Gpg	xtl	unf	vcg	M
Authier	AL-16-016	192.29	192.93	Gps	xtl	unf	cg	M
Authier	AL-16-016	192.93	194.75	Gpg	xtl	unf	fmg	L
Authier	AL-16-016	194.75	197.84	Gps	xtl	unf	vcg	M
Authier	AL-16-016	197.84	200.97	Gap	xtl	unf	fmg	L
Authier	AL-16-016	200.97	203.1	Gap	xtl	unf	fmg	L
Authier	AL-16-016	203.1	207.84	Gpg	sug	unf	fmg	L
Authier	AL-16-016	207.84	209.68	Gip	xtl	unf	mcg	L
Authier	AL-16-016	209.68	214.55	Vvm	xtl	sls	fmg	M
Authier	AL-16-016	214.55	217.77	Gpg	xtl	unf	mcg	L
Authier	AL-16-016	217.77	220.73	Gip	xtl	unf	mcg	L
Authier	AL-16-016	220.73	252	Vvm	xtl	sls	fmg	M

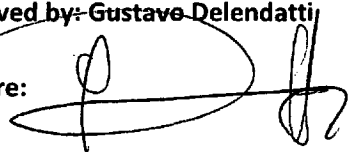
Lith1_Colour1	Lith2_Code	Lith2_pc	Alt1_Code	Alt1_Int	Alt2_Code	Alt2_Int	Min_Composition	Min1_Code
GYGN			aci	v wk			pyrox qtz magnet chlorite	
GYWH							qtz fspr bt	
GYWH	Gps	10					qtz fspr musc spod	sn
GYGN			abi	mod	aci	wk	bt pyrox qtz	
GYWH	Vvm	10					qtz fspr bt	sn
GYGN							spod qtz fspr bt tourm	sn
GNWH							spod qtz fspr	sn
GNWH	Gpg	15					spod qtz fspr tourm	sn
GNWH							spod qtz fspr	sn
GNWH							spod qtz fspr	sn
GNWH							spod qtz fspr	sn
CRGY							qtz fspr	
GNWH							spod qtz fspr	sn
GNWH							spod qtz fspr	sn
GNWH							spod qtz fspr	sn
GNGY	Gap	15					spod qtz fspr musc tourm	sn
GYWH	Gps	10					qtz fspr bt spod	sn
GYWH							spod qtz fspr	sn
WHBK	Gps	15					qtz bt fspr musc spod	sn
WHBK							qtz bt fspr musc	
GNGY							spod qtz fspr bt tourm	sn
WHGY	Gap	30					qtz fspr musc	
GYGN	Gpg	15					spod qtz fspr musc tourm	sn
WHGY	Gps	25					qtz fspr musc spod	sn
GYWH	Gps	10					qtz fspr musc spod	sn
WHGY	Gap	25					qtz fspr musc spod	sn
GYWH							qtz fspr bt	
GNGY			aci	mod	abi	v wk	pyrox qtz magnet chlorite	
WHGY							qtz fspr bt musc	
GYWH							qtz fspr bt	
GNGY			aci	wk			pyrox qtz magnet chlorite	

Min1_Pct	Min2_Code	Min2_Pct	Min3_Code	Min3_Pct	Vein1_Comp	Vein1_Pct	Spodumene_Int
	bi	5			vcb	3	
	bi	4			vqz	3	
3	mu	4			vqz	3	tr
	cl	3	bi	15			
2	mu	2			vqz	3	tr
20	bi	5	tm	4	vqz	5	mod
25	gn	1					str
20	tm	4			vqz	2	mod
30	gn	2					v str
20							str
25					vqz	1	str
20	mu	5					mod
50	gn	2					v str
20	mu	3	tm	5	vqz	5	mod str
15	tm	3			vqz	2	mod
5	tm	4					tr
15	tm	3			vqz	3	mod
5	tm	3	bi	6	vqz	4	v wk
	tm	3	bi	3	vqz	3	
15	tm	3	bi	3	vqz	2	wk
	mu	3					
20	tm	3	bi	3	vqz	2	mod str
8	bi	4	mu	3	vqz	3	v wk
5	bi	5	mu	5	vqz	4	v wk
5	mu	6			vqz	3	v wk
	bi	5			vqz	4	
	cl	5	bi	5	vcb	5	
	mu	4			vqz	2	
	bi	4			vqz	2	
	cl	5			vcb	4	

Comments	Logged By	Logged Date
Mafic volcanics. Not logged in detail	MattThomas	20-oct-16
Intermediate zoned pegmatite	MattThomas	20-oct-16
trace spod in a coarse grained pegmatite	MattThomas	20-oct-16
Altered mafic xenolith	MattThomas	20-oct-16
trace spod in a coarse grained pegmatite	MattThomas	20-oct-16
zone of "silver/green" spodumene with tourmaline and smokey qtz / fspr	MattThomas	20-oct-16
strong green spodumene mineralisation	MattThomas	20-oct-16
moderate zone of spodumene mineralisation	MattThomas	20-oct-16
v str spod mineralisation. Very coarse crystals	MattThomas	20-oct-16
strong zone of fine grained mineralisation	MattThomas	20-oct-16
strong zone of coarse spod min	MattThomas	20-oct-16
aplite dyke	MattThomas	20-oct-16
spod mineralisation with smokey qtz	MattThomas	20-oct-16
extremely strong zone of spod min	MattThomas	20-oct-16
spod mineralisation with tourmaline and quartz veins	MattThomas	20-oct-16
zone of "silver/green" spodumene with tourmaline and smokey qtz / fspr	MattThomas	20-oct-16
pegmatite with trace spod min.	MattThomas	20-oct-16
fine grained spod mineralisation	MattThomas	20-oct-16
pegmatite with very weak spod mineralisation	MattThomas	20-oct-16
pegmatite with tourmaline / bt	MattThomas	20-oct-16
low grade spod mineralisation withing pegmatite	MattThomas	20-oct-16
barren pegmatite with aplite and muscovite	MattThomas	20-oct-16
moderate zone of spodumene mineralisation	MattThomas	20-oct-16
spodumene / replaced spodumene within aplite	MattThomas	20-oct-16
very low grade spodumene zone	MattThomas	20-oct-16
very low grade spodumene zone	MattThomas	20-oct-16
Intermediate zoned pegmatite	MattThomas	20-oct-16
mafic volcanics with carbonate veins and chlorite alteration	MattThomas	20-oct-16
pegmatite with no mineralisation	MattThomas	20-oct-16
Intermediate zoned pegmatite	MattThomas	20-oct-16
mafic volcanics	MattThomas	20-oct-16

Approved by: ~~Gustavo Delendatti~~

Signature:



DataSet	Hole_ID	mFrom	mTo	Lith1_Code	Lith1_Texture	Lith1_Structure	Lith1_GrainSize	Lith1_Colour_Tone
Authier	AL-16-017	0	188.95	Vvm	xtl	sls	fmg	M
Authier	AL-16-017	188.95	189.95	Gip	xtl	unf	mcb	L
Authier	AL-16-017	189.95	192.82	Gps	xtl	unf	cg	M
Authier	AL-16-017	192.82	193.23	Rvq	xtl		vcb	L
Authier	AL-16-017	193.23	194.92	Gps	xtl	unf	cg	M
Authier	AL-16-017	194.92	195.67	Gps	xtl	unf	vcb	M
Authier	AL-16-017	195.67	197.17	Gps	xtl	unf	cg	L
Authier	AL-16-017	197.17	197.46	Gpg	xtl	unf	cg	L
Authier	AL-16-017	197.46	202.62	Gps	xtl	unf	vcb	M
Authier	AL-16-017	202.62	203.61	Gps	xtl	unf	cg	L
Authier	AL-16-017	203.61	207.47	Gps	xtl	unf	vcb	L
Authier	AL-16-017	207.47	208.89	Gps	xtl	unf	cg	L
Authier	AL-16-017	208.89	213.39	Gps	xtl	unf	cg	L
Authier	AL-16-017	213.39	214.82	Gap	sug	unf	fmg	L
Authier	AL-16-017	214.82	217.21	Gap	sug	unf	fmg	L
Authier	AL-16-017	217.21	220.2	Gps	xtl	unf	cg	M
Authier	AL-16-017	220.2	221.8	Gps	xtl	unf	vcb	M
Authier	AL-16-017	221.8	222.22	Gps	xtl	unf	fmg	L
Authier	AL-16-017	222.22	226.12	Gps	xtl	unf	cg	L
Authier	AL-16-017	226.12	226.65	Gpg	xtl	unf	cg	L
Authier	AL-16-017	226.65	228.55	Gps	xtl	unf	mcb	M
Authier	AL-16-017	228.55	232.29	Gps	xtl	unf	mg	M
Authier	AL-16-017	232.29	235.19	Gps	xtl	unf	mcb	M
Authier	AL-16-017	235.19	237.99	Gip	xtl	unf	cg	L
Authier	AL-16-017	237.99	240	Gip	xtl	sls	fmg	M

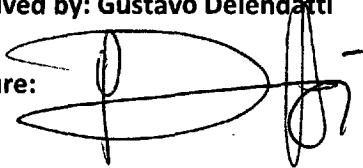
Lith1_Colour1	Lith2_Code	Lith2_pc	Alt1_Code	Alt1_Int	In_Compositio	Min1_Code	Min1_Pct	Min2_Code	Min2_Pct	Min3_Code
GNGY			aci	v wk	pyrox					
GYWH					qtz fspr bt	sn	3	bi	2	
WHGN					spod qtz fspr	sn	20	mu	3	
WHGY					qtz					
GNWH	Gpg	15			spod qtz fspr	sn	25	mu	4	
GNWH	Gpg	25			spod qtz fspr	sn	20	mu	5	
GNWH					spod musc	sn	30	mu	5	
CRWH	Gps	15			qtz musc fspr	sn	10	mu	5	
GNCR					spod qtz fspr	sn	30	mu	3	bi
GNCR	Gpg	10			spod qtz fspr	sn	18	mu	5	
GNCR					spod qtz	sn	30	mu	3	bi
GNWH					spod qtz fspr	sn	35	tm	1	
GNWH					spod qtz fspr	sn	25	mu	5	
CRGN	Gps	45			qtz fspr spod	sn	15	mu	4	
CRGN	Gps	35			qtz fspr spod	sn	10	mu	5	
GNCR	Gap	30			spod qtz fspr	sn	15	mu	4	
GNGY			aci	wk	spod qtz fspr	sn	20	cl	7	
WHGN	Gpg	25			spod qtz	sn	10	mu	3	
GNWH					spod qtz fspr	sn	20	mu	2	
WHBK	Gps	20			qtz fspr	sn	5	px	3	
CRGN					spod qtz fspr	sn	15	mu	3	
GYCR					spod bt qtz	sn	20	mu	6	
CRGN			aci	wk	spod qtz fspr	sn	25	mu	4	cl
BKGY	Gpg	20	aci	wk	qtz fspr	sn	2	px	3	cl
GY			aci	mod	qtz fspr bt			cl	4	bi

Min3_Pct	Vein1_Comp	Vein1_Pct	Vein2_Comp	Vein2_Pct	podumene_in
					tr
					str
	vqz	100			
					str
					str
	vqz	3			v str
					wk
3	vqz	3			v str
	vqz	4			mod
3	vqz	3			v str
	vqz	2			v str
	vqz	3			str
	vqz	10			mod
	vqz	7			wk
	vqz	4			mod
	vqz	3			mod str
	vqz	3			wk
					mod str
	vqz	2			v wk
					mod
	vqz	4			mod str
4	vqz	2			str
3	vqz	3	vcb	3	tr
2	vqz	3	vcb	4	

Comments	Logged By	Logged Date
Not logged in detail	MattThomas	24-oct-16
Intermediate zone pegmatite	MattThomas	24-oct-16
strong zone of spodumene mineralisation.	MattThomas	24-oct-16
quartz vein	MattThomas	24-oct-16
strong zone of spodumene mineralisation.	MattThomas	24-oct-16
very coarse spod crystals	MattThomas	24-oct-16
very strong spod mineralisation	MattThomas	24-oct-16
weak zone of spodumene mineralisation	MattThomas	24-oct-16
very strong spod mineralisation	MattThomas	24-oct-16
moderate spod mineralisation	MattThomas	24-oct-16
very strong spod mineralisation	MattThomas	24-oct-16
very strong spod mineralisation	MattThomas	24-oct-16
strong zone of spodumene mineralisation.	MattThomas	24-oct-16
aplite with bands of spod peg	MattThomas	24-oct-16
aplite with bands of spod peg	MattThomas	24-oct-16
mod zone of spod peg with aplite bands	MattThomas	24-oct-16
mod to strong zone of spodumene with some chlorite alteration of the spodumene crystals.	MattThomas	24-oct-16
zone of fg weak spod	MattThomas	24-oct-16
mod to strong spod zone	MattThomas	24-oct-16
zone of pyroxene replacement of spodumene crystals	MattThomas	24-oct-16
zone of spod peg with muscovite	MattThomas	24-oct-16
spodumene mineralised zone with muscovite and some replacement mineralisation.	MattThomas	24-oct-16
spodumene mineralised zone with muscovite and some replacement mineralisation.	MattThomas	24-oct-16
broken / faulted Intermediate zone pegmatite with mylonite and chlorite alteration.	MattThomas	24-oct-16
intermediate zone pegmatite with gangue mineral in a fault running at a low alpha angle to the hole. EOH as it was too difficult to drill	MattThomas	24-oct-16

Approved by: Gustavo Delendatti

Signature:



DataSet	Hole_ID	mFrom	mTo	Interval_Le ngth (m)	Lith1 Description	Lith1	Lith2 Description	Lith2_pct
Autopopulates	Autopopulates							
Authier	AL-16-018	0	10	10.00				
Authier	AL-16-018	10	194.05	184.05	Vvm mafic volcanic	Vvm		
Authier	AL-16-018	194.05	197	2.95	Gip Intermediate Zone Pegmatite	Gip		
Authier	AL-16-018	197	200.4	3.41	Gps Albite-Spodumene Pegmatite	Gps		
Authier	AL-16-018	200.4	205.2	4.80	Gip Intermediate Zone Pegmatite	Gip		
Authier	AL-16-018	205.2	210.7	5.50	Gps Albite-Spodumene Pegmatite	Gps		
Authier	AL-16-018	210.7	213.2	2.50	Gip Intermediate Zone Pegmatite	Gip	Gap Aplite	
Authier	AL-16-018	213.2	214.8	1.61	Gps Albite-Spodumene Pegmatite	Gps		
Authier	AL-16-018	214.8	217.8	3.00	Gip Intermediate Zone Pegmatite	Gip	Gap Aplite	
Authier	AL-16-018	217.8	220.8	3.00	Gps Albite-Spodumene Pegmatite	Gps		
Authier	AL-16-018	220.8	222.3	1.50	Gip Intermediate Zone Pegmatite	Gip	Gap Aplite	
Authier	AL-16-018	222.3	225	2.70	Gps Albite-Spodumene Pegmatite	Gps		
Authier	AL-16-018	225	226.6	1.60	Gip Intermediate Zone Pegmatite	Gip	Gap Aplite	
Authier	AL-16-018	226.6	228.8	2.21	Gps Albite-Spodumene Pegmatite	Gps		
Authier	AL-16-018	228.8	232.3	3.50	Gip Intermediate Zone Pegmatite	Gip		
Authier	AL-16-018	232.3	235	2.70	Vvm mafic volcanic	Vvm		
Authier	AL-16-018	235	264	29.00	Vvm mafic volcanic	Vvm		

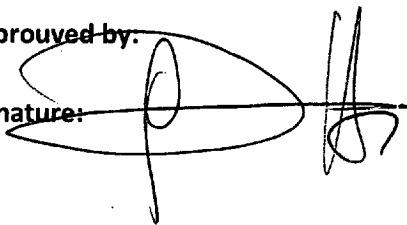
Hue	Colour Description	Lith1_Grain size	Lith1_Textu re Description	Lith1_Struc ture Description	Lith1_Struc ture	Alt1 description	Alt1	Alt1_Int	Min_Comp osition freetext
	green black	vfg	crystalline						pyrox biot
	grey black	mg	crystalline						biot muscovite pyrox
	white grey	mg	crystalline						spod qtz fspr
	grey black	mg	crystalline						biot muscovite pyrox
	white grey	mg	crystalline						spod qtz fspr tourm
	grey black	mg	crystalline						spod qtz fspr
	grey black	mg	crystalline						spod qtz fspr tourm
	white grey	mg	crystalline						Milonite
	grey black	mg	crystalline						qtz fspr tourm
	white grey	mg	crystalline						
	grey black	mg	crystalline						
	green black	vfg	crystalline						
	green black	vfg	crystalline						



Comments DoNotDeleteThisRow	Logged_Date	Logged_By Autopopulates
mafic volcanics - not logged in detail	2016-10-20	GD
Transition Zone	2016-10-20	GD
Spodumene altered to chlorite	2016-10-20	GD
Spodumene altered to chlorite	2016-10-20	GD
Peg in Fault Zone	2016-10-20	GD
Green platy spodumene	2016-10-20	GD
Aplite	2016-10-20	GD
Fault zone	2016-10-20	GD
50 % Aplite dykes late mineral	2016-10-20	GD
Peg with green-platy spodumene	2016-10-20	GD
Aplite zone	2016-10-20	GD
Peg with green-platy spodumene	2016-10-20	GD
Aplite zone	2016-10-20	GD
Peg with green-platy spodumene	2016-10-20	GD
Transition Zone	2016-10-20	GD
mafic volcanics	2016-10-20	GD
mafic volcanics - fault zone	2016-10-20	GD

Approved by.

Signature:



**ANNEXE 4**

Hole	Drill	Depth (M)	Az. (min 14°)	Dip	Mag field	Type
AL-16-001	12	51	196.3	-45.8	56861	SINGLE
AL-16-001	12	87	194.8	-46.8	56357	SINGLE
AL-16-002	12	12	194.0	-43.9	55294	SINGLE
AL-16-002	12	42	193.1	-43.1	52331	SINGLE
AL-16-002	12	75	195.1	-41.5	57105	SINGLE
AL-16-002	12	111	188.9	-40.5	55626	SINGLE
AL-16-003	8	24	200.6	-56.6	52328	SINGLE
AL-16-003	8	54	192.7	?	?	SINGLE
AL-16-003	8	150	198.3	-57.9	54644	SINGLE
AL-16-003	8	210	199.7	-57.3	55388	SINGLE
AL-16-003	8	240	197.5	-56.6	54212	SINGLE
AL-16-003	8	267				MULTI
AL-16-004	12	18	183.7	-54	52538	SINGLE
AL-16-004	12	69	197.5	-53.8	52008	SINGLE
AL-16-004	12	120	198.6	-53.8	53963	SINGLE
AL-16-004	12	171	201.3	-52.5	56194	SINGLE
AL-16-004	12	246	203.3	-51.1	52661	SINGLE
AL-16-005	12	15	196.4	-53.8	54516	SINGLE
AL-16-005	12	66	353.2	-53.1	52273	SINGLE
AL-16-005	12	117	206.8	-53.1	56181	SINGLE
AL-16-005	12	168	346.6	-51.4	64034	SINGLE
AL-16-005	12	219	199.9	-52.7	54843	SINGLE
AL-16-005	12	270	201.8	-52.4	54538	SINGLE
AL-16-005	12	294	202.1	-51.3	54384	SINGLE
AL-16-006	8	45	195.5	-43.8	56662	SINGLE
AL-16-006	8	75	196.1	-43	56782	SINGLE
AL-16-006	8	105	194.4	-42.5	55376	SINGLE
AL-16-007	8	18	198.1	-46.2	57272	SINGLE
AL-16-007	8	69	192.1	-45.8	57692	SINGLE
AL-16-008	12	15	159.5	-57.5	54656	SINGLE
AL-16-008	12	66	189.1	-57.4	51989	SINGLE
AL-16-008	12	117	196.4	-57.7	54466	SINGLE
AL-16-008	12	168	196.8	-57.5	55058	SINGLE
AL-16-009	8	27	208.1	-59.8	53166	SINGLE
AL-16-009	8	77	203.6	-59.9	53606	SINGLE
AL-16-009	8	129	194	-59.9	53319	SINGLE
AL-16-009	8	180	199.9	-59.3	54072	SINGLE
AL-16-009	8	180				MULTI
AL-16-010A	12	12	157.5	-55.3	40459	SINGLE
AL-16-010A	12	63	199.3	-54.7	52603	SINGLE
AL-16-010A	12	114	207.8	-53.8	53336	SINGLE
AL-16-010A	12	165	198.1	-53.5	52125	SINGLE
AL-16-010A	12	216	204.8	-51.8	56873	SINGLE

AL-16-010A	12	267	206.1	-50.3	58176	SINGLE
AL-16-010A	12	339	211	-48.9	52900	SINGLE
AL-16-011	8	27	195.8	-65.2	55369	SINGLE
AL-16-011	8	78	196.4	-65.2	53293	SINGLE
AL-16-011	8	129	199.4	-64.8	55607	SINGLE
AL-16-011	8	180	197.8	-64.6	54308	SINGLE
AL-16-011	8					MULTI
AL-16-012	12	21	192.6	-53.2	52468	SINGLE
AL-16-012	12	72	191.1	-52.5	54410	SINGLE
AL-16-012	12	123	197.9	-51.5	54008	SINGLE
AL-16-012	12	174	199.4	-50.7	55944	SINGLE
AL-16-012	12	225	200.5	-49	54947	SINGLE
AL-16-012	12	240	200.3	-48.5	53412	SINGLE
AL-16-013	8	30	189.9	-60.3	51689	SINGLE
AL-16-013	8	81	193.7	-60.7	53506	SINGLE
AL-16-013	8	131	191	-60.4	51600	SINGLE
AL-16-013	8	181	186.8	-60.5	54662	SINGLE
AL-16-013	8	234	185.7	-59.7	53960	SINGLE
AL-16-013	8					MULTI
AL-16-014	12	18	178.1	-53.2	56079	SINGLE
AL-16-014	12	69	195.2	-52.9	54530	SINGLE
AL-16-014	12	120	193.3	-52.4	53653	SINGLE
AL-16-014	12	171	200.4	-51	55028	SINGLE
AL-16-014	12	222	197.2	-50.4	54428	SINGLE
AL-16-014	12	237	201.2	-50.1	53050	SINGLE
AL-16-015	8	27	187.7	-61.5	50605	SINGLE
AL-16-015	8	77	198.3	-61.3	51182	SINGLE
AL-16-015	8	127	204	-60.9	54919	SINGLE
AL-16-015	8	177	204	-60.9	54919	SINGLE
AL-16-015	8	252	205.4	-60.5	55037	SINGLE
AL-16-015	8					MULTI
AL-16-016	12	33	196.3	-59.6	53869	SINGLE
AL-16-016	12	84	197	-59.6	53572	SINGLE
AL-16-016	12	135	201.2	-59.7	54214	SINGLE
AL-16-016	12	186	200	-59.3	54270	SINGLE
AL-16-016	12	252	198.8	-58.4	55006	SINGLE
AL-16-17	12	27	189.4	-58.7	52865	SINGLE
AL-16-17	12	78	195.6	-58.7	51399	SINGLE
AL-16-17	12	129	203.3	-59.1	55461	SINGLE
AL-16-17	12	180	199.3	-58.9	52143	SINGLE
AL-16-17						MULTI
AL-16-18	8	30	188.8	-54.8	54174	SINGLE
AL-16-18	8	81	183.4	-54.2	52198	SINGLE
AL-16-18	8	132	182.2	-53.4	54420	SINGLE
AL-16-18	8	183	186.3	-53	54134	SINGLE
AL-16-18	8					MULTI

**ANNEXE 5**



## Inspection du terrain après forage

3 novembre 2016

Projet : Authier

Client : Sayona Mining

Compagnie de forage : Forage Rouillier

Inspection par : Philippe Brien (tech. Géo.)

### Rapport sommaire faisant état des conditions du terrain après la campagne de forage automne 2016

La présente inspection effectuée par Services GFE Inc. fait suite aux travaux de forage demandés par la compagnie minière Sayona Mining Limited. La compagnie de forage contractée était Forage Rouillier, un total d'environ 4000 mètres ont été forés, pour un total de 18 forages.

Les grandeurs des sites ont été respectées de même que pour les lisières de bois (20m) avec les lacs et/ou cours d'eau. L'état général du sol était excellent. Un état naturel a été préservé sur la majorité des sites de forage. Pour les sites ne présentant pas un état naturel, il s'agit de sol remué sur son horizon organique parfois saturé en eau. Aucun, à peu de déchets ont été retrouvé sur les sites de forage.

Aucun déversement d'huile et/ou de carburant n'a été constaté. Un seul site était moins à l'ordre, le AL-16-03 voir annexes pour détails. Une odeur d'huile émanait du site. Les billots sur lesquels la foreuse reposait semblaient imbibés par un hydrocarbure. Suite à une inspection plus approfondie avec le contremaître de Forage Rouillier, nous en avons conclu que, localement, une petite quantité de diesel avait été échappé au sol probablement, en remplissant la foreuse. Les hydrocarbures ont donc été récupérés et disposés de façon adéquate.

Les accès aux sites de forage sont conformes. Les largeurs (5 mètres) sont respectées. Un sol remué par endroit est constaté, seulement son horizon organique. Le premier accès s'est avéré plus sensible, des ornières se produisaient rapidement (photo 1.19). Suite à cette constatation, un autre accès a été élaboré pour accéder à la zone Est des forages (photo 1.20). L'accès à la zone ouest des forages présente un ruisseau et le tout a été ponté conformément à la réglementation (photo 1.21). Cet accès s'est avéré un



peu plus sensible au déplacement de la machinerie, elle est donc plus endommagée. La présence d'ornières ainsi qu'un sol saturé en eau causant une boue. Le tout sera donc réaménagé et restauré.

En conclusion, l'apparence générale du site est propre et assure une conformité aux lois et règlements sur l'environnement en vigueur au Québec en date de l'inspection. L'impact laissé par la campagne de forage est minime et l'état des lieux semble très propice à une reprise normale des activités de la faune et de la flore.



*Image 1.1 : Site AL-16-001*



*Image 1.2 : Site AL-16-002*



*Image 1.3 : Site AL-16-003*



*Image 1.4 : Site AL-16-004*



*Image 1.5 : Site AL-16-005*



*Image 1.6 : Site AL-16-006*



*Image 1.7 : Site AL-16-007*



*Image 1.8 : Site AL-16-008*



*Image 1.9 : Site AL-16-009*



*Image 1.10 : Site AL-16-010*



*Image 1.11 : Site AL-16-011*



*Image 1.12 : Site AL-16-012*



*Image 1.13 : Site AL-16-013*



*Image 1.14 : Site AL-16-014*



*Image 1.15 : Site AL-16-015*



*Image 1.16: Site AL-16-016*



*Image 1.17 : Site AL-16-017*



*Image 1.18 : Site AL-16-018*



*Image 1.19 : Accès 1*



*Image 1.20 : Accès 2*



*Image 1.21 : Pontage accès 3*