# ASX Announcement
**20th February 2026**

# Drilling Confirms District-Scale REE System and Uranium Potential at Sybella Barkly

## Key Highlights

- Maiden drilling confirms district-scale, sediment-hosted Rare Earth Element ("REE") system potential at Sybella Barkly.
- Total Rare Earth Element Oxides ("TREO") mineralisation intersected at 54 metres depth and remains open, highlighting significant upside from limited drilling to date.
    - SBDH25021: **2 m @ 1,112 ppm** TREO from 54 m to end of hole, including **302 ppm NdPr** oxide from 54 m, within broader 5 m @ 850 ppm TREO.
    - **Neighbouring holes that did not reach a comparable depth, demonstrate similar down hole anomalism** with up to 3 m at 534 ppm TREO.
- Geological **continuity demonstrated over kilometres of strike.** One drill hole ending in the interpreted mineralised horizon leaving the system **open in all directions**.
- Multiple additional TREO intercepts across widely spaced drill holes confirm a laterally extensive REE system, including:
    - SBDH25027: **3 m @ 920 ppm TREO** from 32 m within **6 m @ 734 ppm TREO from 29 m**; including 6 m @ 135 ppm NdPr oxide
    - SBDH25040: **3 m @ 700 ppm TREO** from 35 m; including 164 ppm NdPr oxide
    - SBDH25098: **9 m @ 584 ppm TREO** from 19 m; including 104 ppm NdPr oxide
- Identified mineralisation confirms the concept of REEs being mobilised into the Barkly tablelands sediments, opening an entire new system for exploration.
- Drilling has also defined a coherent multi-kilometre palaeochannel system prospective for roll-front uranium**,** with uranium anomalism of up to 35 ppm $U_3O_8$ intersected within oxidised channel sediments.
- Refined geological model has expanded the prospective footprint and resulted in additional samples from phase 1 being submitted for analysis. Results are expected in late Q1.
- Based on encouraging initial REE results, a follow-up drill program has been approved to test open REE mineralisation, to be undertaken in parallel with first pass drilling of highly prospective hard-rock REE targets.

Basin Energy Limited (**ASX:BSN**, "**Basin**" or the "**Company**") is pleased to report results from its initial drilling program at the district scale **Sybella Barkly Project** ("**Sybella Barkly**" or the "**Project**"), confirming sediment-hosted REE anomalism and defining a laterally extensive palaeochannel architecture prospective for channel-hosted roll-front uranium mineralisation.

Phase 1 drilling was completed across the northern half of the Project. Aircore drillholes targeted regional scale electromagnetic ("**EM**") conductors interpreted to be prospective for REE mineralisation and palaeochannel uranium mineralisation[1]. Part of the drilling program was eligible for the Queensland Government CEI grant scheme, where Basin can claim $150,000 toward costs[1].

[1] Refer ASX Announcement Basin Energy (ASX:BSN), 27th August 2025, "Basin Energy to Acquire Extensive Queensland Uranium and Rare Earth Portfolio."

This maiden program represents the first systematic drilling of the Project and successfully validates the Company's geological concept for the district-scale sediment hosted REE and uranium potential, with drill holes spaced kilometres apart. The recognition of the REE mineralisation beneath the initial target horizon is extremely exciting, validating the Company's concept and taking it to the next level.

**Managing Director, Pete Moorhouse commented:**

*"With these exciting results from our initial drill campaign, the Board has fast tracked approval for follow-on drilling. The next drill program will test both the sediment hosted REE mineralisation for depth continuity at hole SBDH25021 and the advanced hard rock rare earth prospects near Newmans Bore, akin to the Red Metal Sybella Discovery. This program will commence as soon as weather and conditions permit.*

*Phase 1 drilling commenced on the most greenfield target set of Basin's recently acquired Sybella Barkly portfolio, targeting the sediment hosted potential for uranium and REEs. This was completed first to satisfy requirements set by the Queensland Government co-founding exploration incentive that will see Basin receive $150K contribution toward the drilling costs.*

*Drilling primarily targeted conductive clay horizons, however, our best REE anomalism was intersected underneath this horizon. Drillhole SBDH25021, which ended in 2 metres of over 1,100 ppm TREO below this horizon, leaves fantastic upside in all directions. Surrounding drillholes that failed to drill underneath the clay horizons, confirmed the presence of laterally extensive geochemical anomalism associated with the same upper sequence, further supporting the target. This data proves the concept that the REE-rich Sybella granites are shedding and mobilising REE throughout the expansive sediments of the Barkly tablelands and supports further drilling.*

*From a uranium perspective, we successfully defined an extensive coherent palaeochannel system capable of transporting and concentrating uranium. Considering the presence of multiple metres of strongly anomalous uranium within these sediments, this demonstrates a potential active system, with the next steps being to follow the channels to find the favourable reduced environments suitable to act as a trap. The potential for a South Australian Frome Basin style system here in Queensland is tangible."*

## District Scale Sediment-Hosted REE System Confirmed

Basin's maiden drill program identified REE anomalism across several drill holes and stratigraphic horizons (Figures 1 & 2). Critical to the exploration of the Project, drilling has identified a prospective horizon underneath the previous target zone of the airborne EM conductor. This horizon is located directly beneath a thick red clay sequence, in which the majority of holes terminated within. Drillhole SBDH25021 is one a of few drillholes of the program that drilled through the oxidised horizon and ended in mineralisation directly beneath:

- SBDH25021: **2 m @ 1,112 ppm TREO including 2 m @ 302 ppm NdPr oxide from 54 m to the end of hole** within a broader 5 m @ 850 ppm TREO from 51 m.

Drill hole SBDH25023, located approximately 2 km to the southwest, stopped at the base of the red clay sequence however returned an elevated value of 2 m at 390 ppm TREO at the end of hole, importantly showing anomalism in the same stratigraphic horizon to hole SBDH25021.

A further 3.5 km to the west, hole SBDH25022 drilled through the red clays into a gravel unit, which also demonstrated anomalous TREO of 3 m at 534 ppm from 32 m. These are the only holes to drill through the red clays in this region, and all show increased TREO levels as the hole approaches the prospective horizon (Figures 1 and 2).

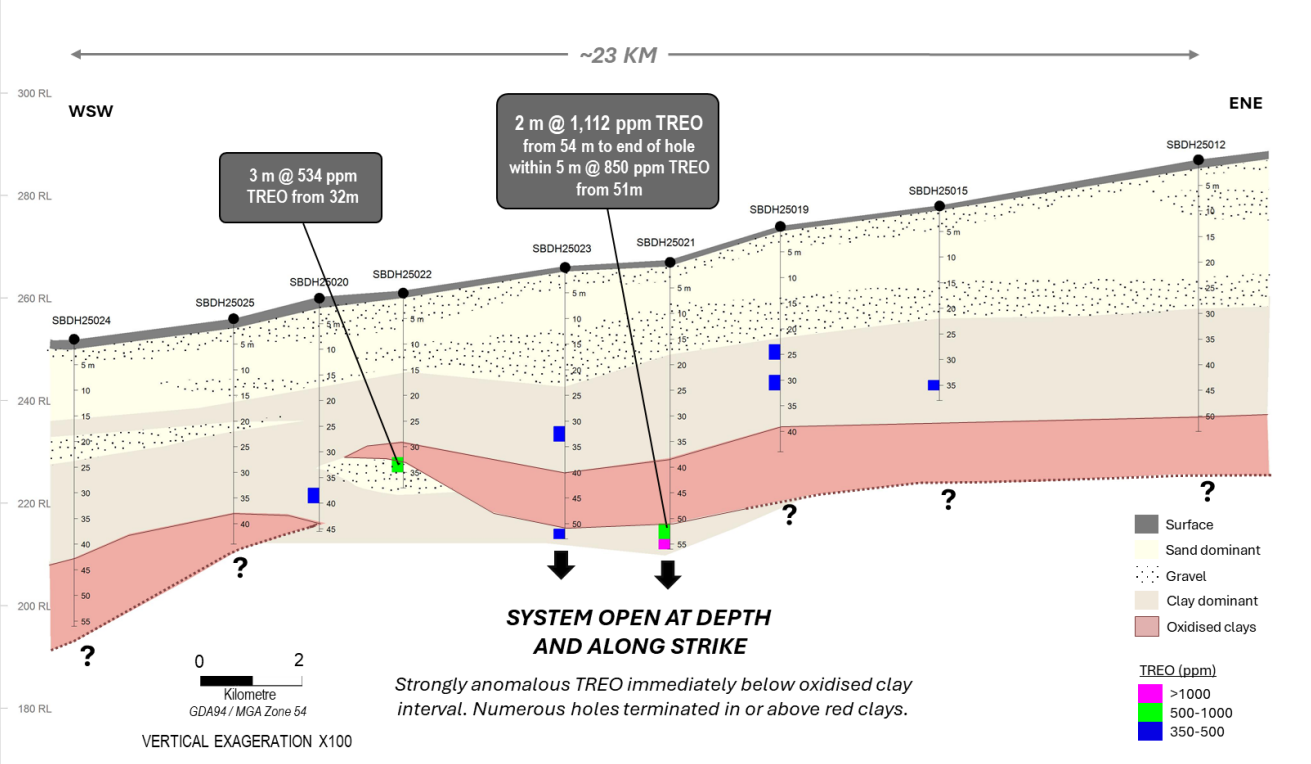



*Figure 1: Long-section of drillholes SBDH25024, SBDH25025, SBDH25020, SBDH25022, SBDH25023, SBDH25021, SBDH25019, SBDH25015 and SBDH25012 displaying lithofacies and TREO intersections above 350 ppm.*

Anomalous neodymium and praseodymium oxide ("NdPr oxide") values are associated with these intercepts, supporting the potential magnet REE content. Refer to Appendix 2 for drillhole collar information and Appendix 3 for assay results.

Other significant intercepts from the program, as defined for the highlights as over 500 ppm TREO over 3 metres, include:

- Drillhole SBDH25027: **3 m @ 920 ppm TREO from 32 m** within 6 m @ 734 ppm TREO from 29 m; including 6 m @ 135 ppm NdPr oxide.
- Drillhole SBDH25040: **3 m @ 700 ppm TREO from 35 m**; including 164 ppm NdPr oxide.
- Drillhole SBDH25098: **9 m @ 584 ppm TREO from 19 m**; including 104 ppm NdPr oxide.
- Drillhole SBDH25093: 3 m @ 546 ppm TREO from 19 m.

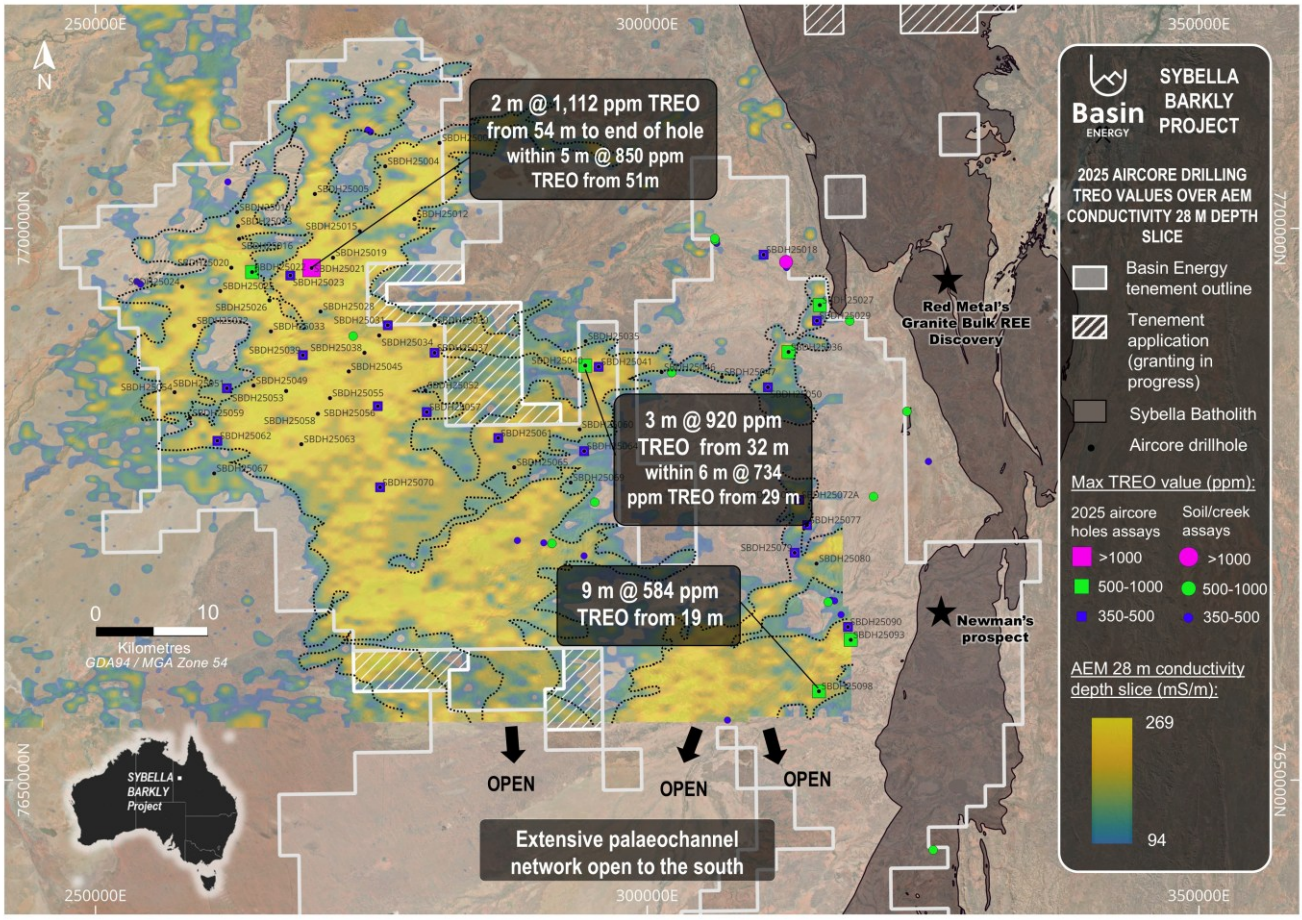



*Figure 2: 2025 aircore drillhole location map displaying TREO values above 350 ppm over the airborne electromagnetic conductivity 28 m depth slice.*

Drilling has established a laterally extensive sediment-hosted prospective REE system using very wide spaced drill holes, typically over 1 kilometre apart. Geological and geochemical relationships indicate that the potential for further, higher-grade TREO exists, especially directly beneath the red clay zone as shown in figure 1.

This revised targeting and lithological relationship has prompted the Company to expand its geochemical sampling program, with additional prospective samples being submitted for analysis. The initial sampling regime had been based on the conductive clay target model. Additionally, individual metre samples have been selected and submitted for higher resolution analysis of intervals of interest, critical for understanding mineral controls and distribution.

Palaeoflow directions data indicates that the system may extend directly south where no EM data exists to map the clays and channels. As part of this, Basin is assessing options for obtaining geophysics to map the southern extensions to the EM coverage.

## Palaeochannel Architecture and Uranium Prospectivity Defined

Phase 1 drilling has delineated a coherent palaeochannel system characterised by stacked sands and basal gravels, interpreted to represent a significant palaeodrainage network with a broad north–south palaeoflow direction. Key observations include:

- Consistent channel architecture across kilometre-scale strike
- Widespread oxidised and bleached sands indicative of sustained groundwater flow
- Elevated uranium values locally associated with channel sands and basal gravels, with results of up to 35 ppm $U_3O_8$ over 3 m (Figure 3), representing approximately 10 times background.

Drillhole SBDH25027 returned **14 m @ 18 ppm $U_3O_8$, including 3 m @ 25 ppm $U_3O_8$ from 29 m and 3 m at 35 ppm $U_3O_8$ from 32 m**. Strongly anomalous vanadium values were also returned for this interval, including a peak of 480 ppm from 29 to 32 m.

Step-out drilling along these interpreted channels demonstrates a transition from a clean, highly permeable white sand unit proximal to the Sybella Granites, to oxidised channel facies with evidence for uranium mobilisation providing a clear geological and geochemical vector toward more prospective reduced environments that remain untested to the south.

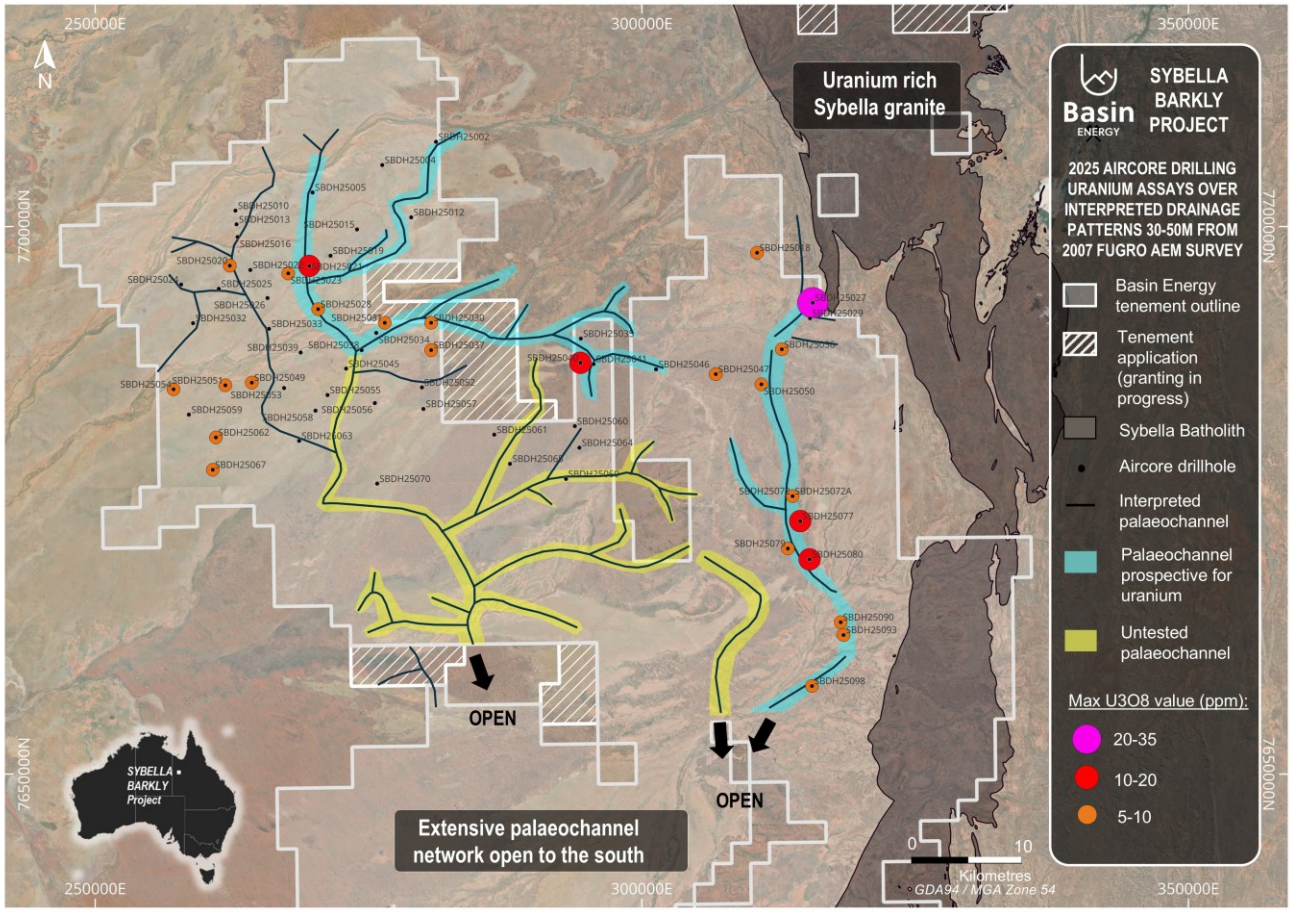



*Figure 3: Uranium anomalies from 2025 aircore drilling over interpreted 30-50 m drainage patterns from the 2007 AEM survey and recent drilling data*

Chip tray observations indicate the drilled palaeochannel sediments are predominantly oxidised and locally bleached, with no obvious reduced (grey/green) facies observed in the intervals drilled to date. This is consistent with the oxidised transport domain of a roll-front system, and suggests the potential reduced trap remains untested further down-gradient.

The EM data has proven to be an excellent tool in palaeochannel mapping, which allows follow-up on distal drilling down hydraulic gradient, along with systematic fenceline drilling.

## Next District Scale Target - Granite Hosted REE Potential

Basin has completed access arrangements to allow Phase 2 drilling; which will target the hard rock potential of the various granites comprising the Sybella Batholith. These rocks are known to contain zones of enriched REE, including the Red Metal (ASX:RDM) owned Sybella Discovery (4.795 Bt @ 302 ppm NdPr using a 200 ppm NdPr cutoff grade[2]).

A shallow proof of concept auger drill hole program was completed in 2023 on the project area which demonstrated the presence of strongly anomalous REEs[3], refer figures 4 and 6. A total of 82 auger holes were completed, with a maximum hole depth of 18 m and several of which were never assayed.

Strong REE anomalism was identified across three prospects (Figure 4) with the best anomaly being **5 m at 1,951 ppm TREO with 578 ppm NdPr oxide from 4 m to the end of hole**. Drilling at Newman's prospect highlighted a 3.7 km strike length prospective zone where drilling returned TREO values >1,000 ppm.

[2] Refer Red Metal Website for resource figure: redmetal.com.au/wp-content/uploads/2024/10/RDM_ASX_Sybella_REE_Maiden_Resource_final.pdf
[3] Refer ASX Announcement Basin Energy (ASX:BSN), 27th August 2025, "Basin Energy to Acquire Extensive Queensland Uranium and Rare Earth Portfolio."

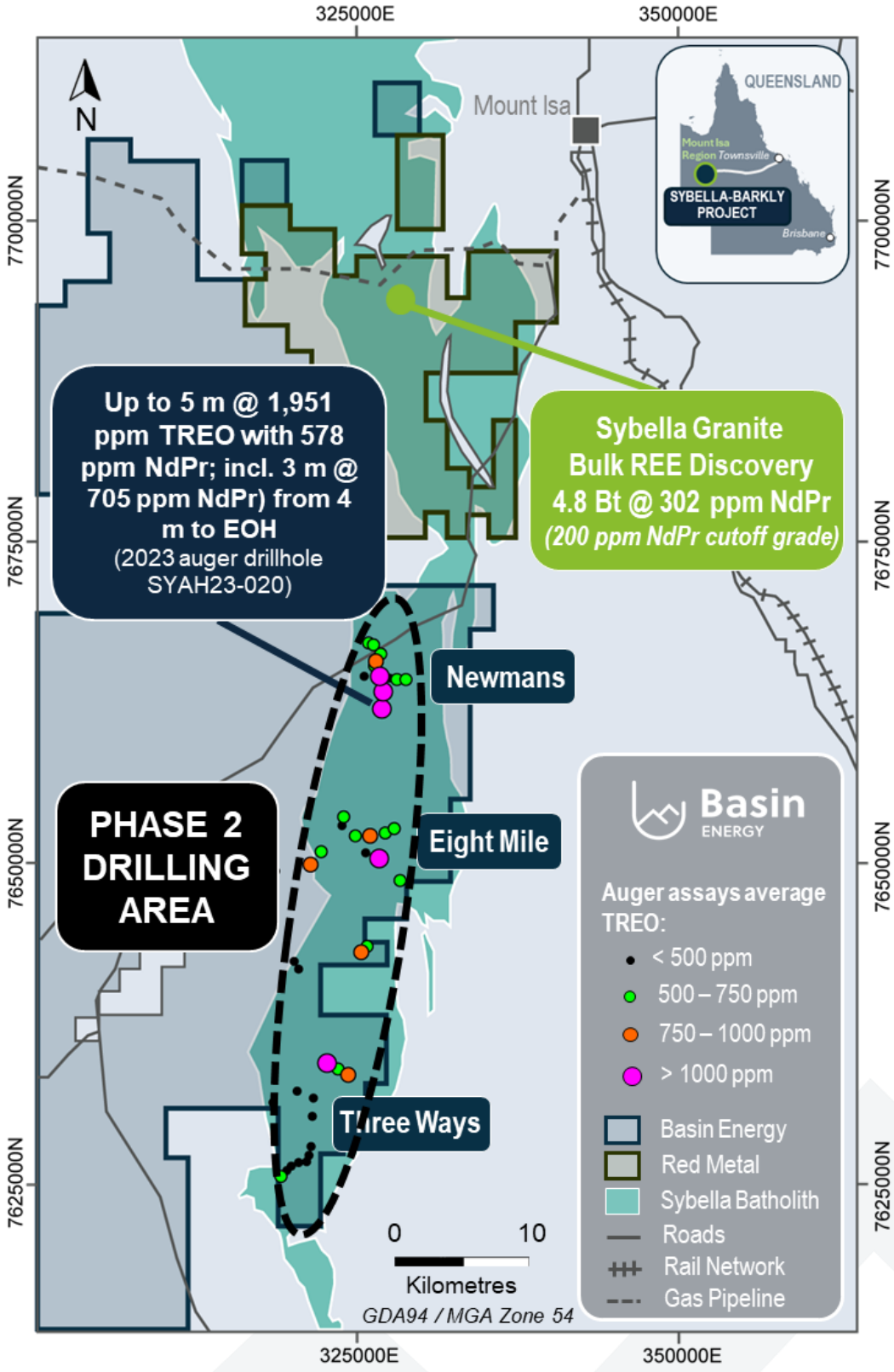



*Figure 4: Phase 2 drilling area map highlighting average TREO from the 2023 auger drilling program at the Newmans, Eight Mile and Three Ways prospects*

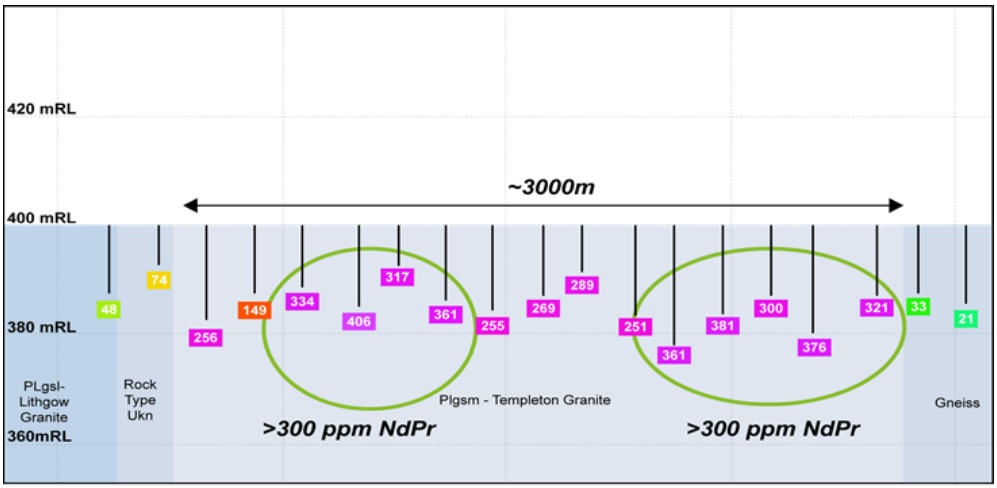



*Figure 5 – Red Metals Discovery REE anomaly* [4]

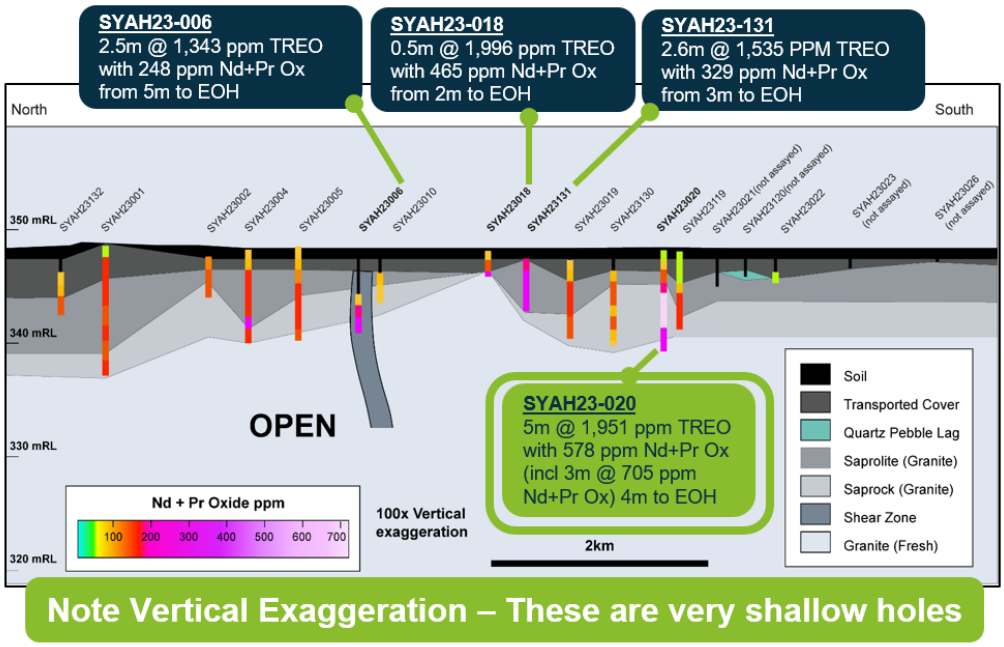



*Figure 6 – Stylised section of Newmans Bore auger drilling*

These results are very significant, considering all were reported to the end of holes (auger blade refusal), and the analogy in the geochemical anomaly of the Red Metal's Sybella deposit, refer figure 5 and 6.

Additionally, the newly completed drilling has identified elevated TREOs in the drainage system directly west of Newmans, refer figure 1. This appears to demonstrate a different signature to the sediment hosted REE anomalism and instead has a correlation with sand and gravels. This could be interpreted as direct mobilisation from the mineralised granites at Newmans.

[4] Refer Red Metal Website for resource figure: redmetal.com.au/wp-content/uploads/2024/10/RDM_ASX_Sybella_REE_Maiden_Resource_final.pdf

**This announcement has been approved for release by the Board of Basin Energy.**

## Enquiries


Pete Moorhouse
Managing Director
pete.m@basinenergy.com.au
+61 7 3667 7449

Chloe Hayes
Investor & Media Relations
chloe@janemorganmanagement.com.au
+61 458 619 317

## Company Overview

# About Basin Energy

Basin Energy (ASX: **BSN**) is a green energy metals exploration and development company with an interest in three highly prospective uranium projects positioned in the southeast corner and margins of the world-renowned Athabasca Basin in Canada, and 100% ownership in significant portfolios of uranium-green energy metals exploration assets located in Nordic region and uranium-REE assets west of Mount Isa in Queensland, Australia.

# Directors & Management

| | |
|---|---|
| **Pete Moorhouse** | **Managing Director** |
| **Blake Steele** | **Non-executive Chairman** |
| **Cory Belyk** | **Non-executive Director** |
| **Matthew O'Kane** | **Non-executive Director** |
| **Ben Donovan** | **Company Secretary** |
| **Odile Maufrais** | **Exploration Manager** |

## Basin Energy
ACN 655 515 110

## Shares on Issue
191,309,005

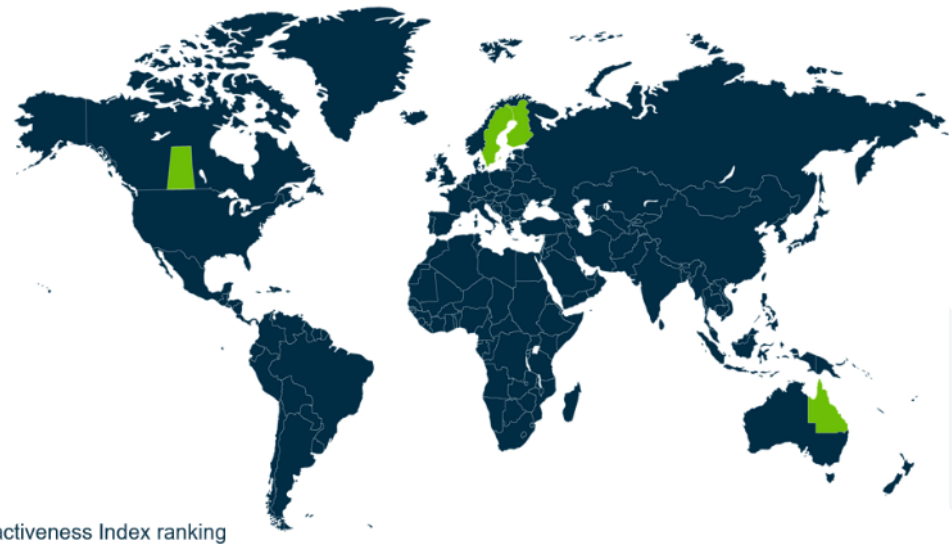
## ASX Code
BSN

# Investment Highlights

**QUEENSLAND (39*)**
**District scale exploration for** REE and Uranium

**SWEDEN (6*)**
**FINLAND (1*)**
**Green Energy Metals**
Projects within historical uranium & base metal districts

**CANADA (7*)**
**ATHABASCA BASIN**
**3 Uranium Projects** in the worlds premier uranium district



*2024 Fraser Institute Investment Attractiveness Index ranking

## Appendix 1

### Competent Persons Statement, Resource Figure Notes and Forward-Looking Statement

The information that has been extracted from prior announcements referred to in this release, are available to view on https://basinenergy.com.au/. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of exploration results, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

The information in this announcement that relates to previous exploration results was first reported by the Company in accordance with ASX listing rule 5.7 in the following Company ASX market releases:

- *ASX Announcement Basin Energy (ASX:BSN), 27th August 2025, "Basin Energy to Acquire Extensive Queensland Uranium and Rare Earth Portfolio."*
- *ASX Announcement Basin Energy (ASX:BSN), 24th October 2025, "Queensland Uranium and Rare Earth Acquisition Completed"*
- *ASX Announcement Basin Energy (ASX:BSN), 5th November 2025, "Drilling Contractors Engaged and Access Agreement Executed for Sybella-Barkly Uranium and Rare Earth Targets"*
- *ASX Announcement Basin Energy (ASX:BSN), 12th November 2025, "Drilling Commenced for Sybella-Barkly Uranium and Rare Earth Targets"*
- *ASX Announcement Basin Energy (ASX:BSN), 1st December 2025, "Basin Expands District-Scale REE and Uranium Footprint at Sybella-Barkly"*
- *ASX Announcement Basin Energy (ASX:BSN), 18th December 2025, "Basin Completes Phase One Drilling and Further Expands Sybella-Barkly Project"*

The information included within this release is a fair representation of available information compiled by Odile Maufrais, M.Sc., a competent person who is a Member of the Australian Institute of Mining and Metallurgy. Odile Maufrais is employed by Basin Energy Ltd as Exploration Manager. Odile Maufrais has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves. Odile Maufrais consents to the inclusion in this presentation of the matters based on her work in the form and context in which it appears.

## Appendix 2

### Drillhole collar location detail.

Coordinate system is GDA94 UTM 54. CEI Round 9 drillholes are highlighted in green.

| HOLE ID | EPM | EASTING | NORTHING | DIP (°) | AZI (°) | EOH (m) |
|---|---|---|---|---|---|---|
| SBDH25002 | EPM 28334 | 281,171 | 7,707,736 | -90 | 0 | 50 |
| SBDH25004 | EPM 28334 | 276,255 | 7,705,613 | -90 | 0 | 27 |
| SBDH25005 | EPM 28334 | 269,881 | 7,703,108 | -90 | 0 | 39 |
| SBDH25010 | EPM 28331 | 262,825 | 7,701,454 | -90 | 0 | 35.1 |
| SBDH25012 | EPM 28334 | 278,908 | 7,700,838 | -90 | 0 | 53 |
| SBDH25013 | EPM 28331 | 262,927 | 7,700,202 | -90 | 0 | 32 |
| SBDH25015 | EPM 28334 | 273,949 | 7,699,735 | -90 | 0 | 38 |
| SBDH25016 | EPM 28331 | 263,024 | 7,699,039 | -90 | 0 | 45 |
| SBDH25018 | EPM 28332 | 310,546 | 7,697,606 | -90 | 0 | 27 |
| SBDH25019 | EPM 28334 | 271,526 | 7,697,333 | -90 | 0 | 44 |
| SBDH25020 | EPM 28334 | 262,311 | 7,696,426 | -90 | 0 | 45.5 |
| SBDH25021 | EPM 28334 | 269,583 | 7,696,400 | -90 | 0 | 56 |
| SBDH25022 | EPM 28331 | 264,192 | 7,696,030 | -90 | 0 | 38 |
| SBDH25023 | EPM 28331 | 267,656 | 7,695,722 | -90 | 0 | 53 |
| SBDH25024 | EPM 28331 | 257,860 | 7,694,703 | -90 | 0 | 56 |
| SBDH25025 | EPM 28331 | 261,304 | 7,694,312 | -90 | 0 | 44 |
| SBDH25026 | EPM 28331 | 265,763 | 7,693,467 | -90 | 0 | 36.1 |
| SBDH25027 | EPM 28332 | 315,642 | 7,693,039 | -90 | 0 | 37 |
| SBDH25028 | EPM 28337 | 270,393 | 7,692,455 | -90 | 0 | 53 |
| SBDH25029 | EPM 28332 | 315,384 | 7,691,625 | -90 | 0 | 33 |
| SBDH25030 | EPM 28337 | 280,729 | 7,691,211 | -90 | 0 | 53 |
| SBDH25031 | EPM 28337 | 276,485 | 7,691,211 | -90 | 0 | 53 |
| SBDH25032 | EPM 28331 | 258,950 | 7,691,175 | -90 | 0 | 44 |
| SBDH25033 | EPM 28337 | 265,896 | 7,690,659 | -90 | 0 | 53 |
| SBDH25034 | EPM 28337 | 275,707 | 7,690,288 | -90 | 0 | 53 |
| SBDH25035 | EPM 28336 | 294,421 | 7,689,770 | -90 | 0 | 44 |
| SBDH25036 | EPM 28332 | 312,809 | 7,688,790 | -90 | 0 | 39 |
| SBDH25037 | EPM 28337 | 280,730 | 7,688,715 | -90 | 0 | 74 |
| SBDH25038 | EPM 28337 | 274,375 | 7,688,714 | -90 | 0 | 53 |
| SBDH25039 | EPM 28337 | 268,795 | 7,688,498 | -90 | 0 | 39 |
| SBDH25040 | EPM 28336 | 294,386 | 7,687,556 | -90 | 0 | 38 |
| SBDH25041 | EPM 28336 | 295,594 | 7,687,448 | -90 | 0 | 29 |
| SBDH25045 | EPM 28337 | 272,951 | 7,687,028 | -90 | 0 | 53 |
| SBDH25046 | EPM 28332 | 301,303 | 7,686,963 | -90 | 0 | 27 |
| SBDH25047 | EPM 28332 | 306,766 | 7,686,525 | -90 | 0 | 29 |
| SBDH25049 | EPM 28331 | 264,322 | 7,685,746 | -90 | 0 | 38 |
| SBDH25050 | EPM 28332 | 310,937 | 7,685,593 | -90 | 0 | 31 |
| SBDH25051 | EPM 28331 | 261,907 | 7,685,504 | -90 | 0 | 38 |
| SBDH25052 | EPM 28337 | 279,889 | 7,685,309 | -90 | 0 | 53 |
| SBDH25053 | EPM 28337 | 267,277 | 7,685,252 | -90 | 0 | 41 |
| SBDH25054 | EPM 28331 | 257,167 | 7,685,138 | -90 | 0 | 35 |
| SBDH25055 | EPM 28337 | 271,252 | 7,684,609 | -90 | 0 | 59 |
| SBDH25056 | EPM 28337 | 275,579 | 7,683,878 | -90 | 0 | 53 |
| SBDH25057 | EPM 28337 | 280,022 | 7,683,345 | -90 | 0 | 33 |
| SBDH25058 | EPM 28337 | 270,150 | 7,683,186 | -90 | 0 | 50 |
| SBDH25059 | EPM 28340 | 258,566 | 7,682,825 | -90 | 0 | 32 |

| HOLE ID | EPM | EASTING | NORTHING | DIP (°) | AZI (°) | EOH (m) |
|---|---|---|---|---|---|---|
| SBDH25060 | EPM 28336 | 293,875 | 7,681,776 | -90 | 0 | 28 |
| SBDH25061 | EPM 28337 | 286,503 | 7,680,997 | -90 | 0 | 50 |
| SBDH25062 | EPM 28340 | 261,043 | 7,680,743 | -90 | 0 | 39 |
| SBDH25063 | EPM 28337 | 268,655 | 7,680,431 | -90 | 0 | 49 |
| SBDH25064 | EPM 28336 | 294,289 | 7,679,805 | -90 | 0 | 34 |
| SBDH25065 | EPM 28336 | 287,943 | 7,678,334 | -90 | 0 | 53 |
| SBDH25067 | EPM 28340 | 260,755 | 7,677,788 | -90 | 0 | 32 |
| SBDH25069 | EPM 28336 | 293,065 | 7,676,956 | -90 | 0 | 37 |
| SBDH25070 | EPM 28337 | 275,795 | 7,676,526 | -90 | 0 | 50 |
| SBDH25072 | EPM 28339 | 313,785 | 7,675,387 | -90 | 0 | 28 |
| SBDH25072A | EPM 28339 | 313,791 | 7,675,382 | -90 | 0 | 50 |
| SBDH25077 | EPM 28339 | 314,490 | 7,673,101 | -90 | 0 | 57 |
| SBDH25079 | EPM 28335 | 313,361 | 7,670,594 | -90 | 0 | 44 |
| SBDH25080 | EPM 28335 | 315,342 | 7,669,610 | -90 | 0 | 50 |
| SBDH25090 | EPM 28335 | 318,192 | 7,663,873 | -90 | 0 | 50 |
| SBDH25093 | EPM 28335 | 318,449 | 7,662,702 | -90 | 0 | 44 |
| SBDH25098 | EPM 28335 | 315,564 | 7,658,042 | -90 | 0 | 55 |

## Appendix 3

## Drill hole assay results.

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250001 | SBDH25010 | 0.0 | 1.0 | 34.2 | 78.5 | 9.1 | 33.7 | 6.4 | 1.4 | 6.4 | 0.9 | 5.7 | 1.3 | 4.2 | 0.5 | 3.5 | 0.5 | 37.0 | 223.4 | 42.8 | 2.1 | 76.0 |
| SBD250002 | SBDH25010 | 1.0 | 2.0 | 41.0 | 88.4 | 10.4 | 39.9 | 7.0 | 1.6 | 6.9 | 1.1 | 6.1 | 1.4 | 4.3 | 0.6 | 4.2 | 0.6 | 40.8 | 254.3 | 50.2 | 8.1 | 78.0 |
| SBD250003 | SBDH25010 | 2.0 | 4.0 | 28.9 | 65.1 | 7.0 | 27.3 | 4.8 | 0.9 | 4.6 | 0.7 | 4.0 | 0.9 | 2.8 | 0.4 | 2.6 | 0.4 | 26.2 | 176.5 | 34.3 | 3.2 | 47.0 |
| SBD250004 | SBDH25010 | 4.0 | 7.0 | 42.0 | 78.0 | 9.4 | 35.3 | 5.9 | 1.1 | 5.7 | 0.9 | 5.0 | 1.2 | 3.6 | 0.5 | 3.2 | 0.5 | 31.4 | 223.6 | 44.7 | 3.1 | 74.0 |
| SBD250005 | SBDH25010 | 7.0 | 10.0 | 35.8 | 70.6 | 7.8 | 27.2 | 4.3 | 0.9 | 5.2 | 0.8 | 5.4 | 1.2 | 4.2 | 0.6 | 4.2 | 0.6 | 35.7 | 204.5 | 34.9 | 3.3 | 77.0 |
| SBD250006 | SBDH25010 | 10.0 | 13.0 | 33.9 | 65.1 | 7.8 | 26.8 | 4.6 | 0.9 | 4.8 | 0.7 | 4.2 | 0.9 | 3.1 | 0.4 | 3.0 | 0.4 | 28.3 | 184.8 | 34.6 | 2.5 | 69.0 |
| SBD250007 | SBDH25010 | 13.0 | 15.0 | 43.7 | 90.0 | 9.8 | 36.4 | 6.5 | 1.3 | 6.2 | 1.1 | 6.6 | 1.4 | 4.7 | 0.6 | 4.8 | 0.8 | 40.3 | 254.1 | 46.2 | 3.4 | 97.0 |
| SBD250008 | SBDH25010 | 15.0 | 18.0 | 33.8 | 70.6 | 7.7 | 28.8 | 5.5 | 1.0 | 4.8 | 0.9 | 5.4 | 1.2 | 3.7 | 0.6 | 3.7 | 0.5 | 36.1 | 204.1 | 36.5 | 3.3 | 87.0 |
| SBD250009 | SBDH25010 | 18.0 | 20.0 | 33.3 | 68.2 | 7.7 | 27.8 | 5.7 | 0.9 | 5.1 | 0.8 | 5.7 | 1.1 | 3.3 | 0.6 | 3.4 | 0.5 | 33.5 | 197.7 | 35.5 | 2.9 | 82.0 |
| SBD250010 | SBDH25010 | 20.0 | 23.0 | 24.2 | 46.6 | 5.5 | 20.2 | 3.7 | 0.6 | 3.5 | 0.5 | 3.3 | 0.8 | 2.3 | 0.3 | 2.3 | 0.3 | 23.0 | 137.1 | 25.7 | 1.9 | 71.0 |
| SBD250011 | SBDH25010 | 23.0 | 26.0 | 41.2 | 74.4 | 9.4 | 35.0 | 6.3 | 1.2 | 5.6 | 0.9 | 5.2 | 1.1 | 3.2 | 0.5 | 3.1 | 0.5 | 33.1 | 220.8 | 44.4 | 3.2 | 117.0 |
| SBD250012 | SBDH25010 | 26.0 | 27.0 | 30.3 | 63.9 | 6.8 | 24.5 | 3.9 | 0.9 | 4.1 | 0.7 | 3.9 | 0.9 | 2.8 | 0.4 | 2.8 | 0.5 | 25.5 | 171.8 | 31.3 | 2.7 | 108.0 |
| SBD250013 | SBDH25010 | 27.0 | 29.0 | 28.1 | 62.4 | 6.2 | 22.5 | 4.4 | 0.8 | 3.9 | 0.7 | 3.9 | 1.0 | 3.0 | 0.4 | 2.6 | 0.4 | 25.9 | 166.3 | 28.7 | 2.6 | 104.0 |
| SBD250014 | SBDH25010 | 29.0 | 31.0 | 42.1 | 84.8 | 8.8 | 31.1 | 4.9 | 1.0 | 5.0 | 0.8 | 4.7 | 1.0 | 3.0 | 0.5 | 3.3 | 0.5 | 26.8 | 218.3 | 39.9 | 3.8 | 208.0 |
| SBD250015 | SBDH25010 | 31.0 | 33.0 | 45.5 | 102.0 | 9.9 | 34.1 | 5.4 | 1.2 | 5.6 | 0.8 | 5.1 | 1.2 | 3.5 | 0.5 | 3.8 | 0.5 | 32.3 | 251.5 | 43.9 | 4.1 | 209.0 |
| SBD250016 | SBDH25010 | 33.0 | 34.0 | 37.3 | 70.9 | 7.5 | 26.0 | 4.0 | 0.8 | 3.5 | 0.6 | 3.6 | 0.9 | 2.8 | 0.4 | 3.1 | 0.4 | 23.6 | 185.5 | 33.5 | 3.2 | 105.0 |
| SBD250017 | SBDH25010 | 34.0 | 35.0 | 23.6 | 43.9 | 4.1 | 13.8 | 2.6 | 0.5 | 2.4 | 0.4 | 2.6 | 0.7 | 2.0 | 0.3 | 2.6 | 0.5 | 18.8 | 118.6 | 17.8 | 2.8 | 50.0 |
| SBD250018 | SBDH25013 | 6.0 | 9.0 | 39.6 | 75.7 | 8.8 | 32.0 | 5.5 | 1.2 | 5.4 | 0.8 | 5.2 | 1.1 | 3.4 | 0.5 | 3.5 | 0.4 | 32.8 | 215.8 | 40.8 | 3.2 | 84.0 |
| SBD250019 | SBDH25013 | 9.0 | 11.0 | 34.1 | 67.8 | 8.0 | 28.7 | 5.4 | 1.1 | 5.4 | 0.9 | 5.3 | 1.2 | 3.8 | 0.5 | 3.8 | 0.6 | 33.9 | 200.6 | 36.7 | 3.5 | 89.0 |
| SBD250020 | SBDH25013 | 11.0 | 13.0 | 45.0 | 87.6 | 9.9 | 38.1 | 6.4 | 1.3 | 6.5 | 0.9 | 5.8 | 1.2 | 3.9 | 0.5 | 3.4 | 0.6 | 37.1 | 248.3 | 48.1 | 3.4 | 98.0 |
| SBD250021 | SBDH25013 | 13.0 | 16.0 | 50.5 | 101.2 | 11.2 | 41.5 | 7.2 | 1.4 | 7.5 | 1.1 | 6.8 | 1.4 | 4.7 | 0.6 | 4.2 | 0.7 | 42.5 | 282.7 | 52.7 | 4.2 | 115.0 |
| SBD250022 | SBDH25013 | 16.0 | 18.0 | 28.1 | 57.1 | 6.4 | 23.4 | 3.9 | 0.9 | 4.1 | 0.6 | 3.8 | 0.9 | 2.7 | 0.4 | 2.6 | 0.4 | 23.6 | 158.9 | 29.8 | 3.0 | 74.0 |
| SBD250023 | SBDH25013 | 18.0 | 21.0 | 32.8 | 64.6 | 7.3 | 26.7 | 5.2 | 1.1 | 4.5 | 0.7 | 4.0 | 1.0 | 3.0 | 0.4 | 2.6 | 0.4 | 24.9 | 179.2 | 34.0 | 3.4 | 94.0 |
| SBD250024 | SBDH25013 | 21.0 | 23.0 | 35.3 | 71.0 | 8.1 | 30.7 | 5.5 | 0.9 | 4.8 | 0.8 | 4.7 | 1.0 | 3.3 | 0.4 | 3.0 | 0.4 | 29.2 | 199.2 | 38.8 | 3.4 | 105.0 |
| SBD250026 | SBDH25013 | 23.0 | 24.0 | 24.9 | 50.0 | 5.6 | 20.9 | 3.6 | 0.7 | 3.5 | 0.6 | 3.7 | 0.8 | 2.7 | 0.3 | 2.6 | 0.4 | 23.7 | 144.1 | 26.5 | 2.5 | 75.0 |
| SBD250027 | SBDH25013 | 24.0 | 27.0 | 41.2 | 80.8 | 9.1 | 33.0 | 5.9 | 1.3 | 5.5 | 0.8 | 4.9 | 1.2 | 3.3 | 0.5 | 3.3 | 0.4 | 31.1 | 222.3 | 42.1 | 4.2 | 122.0 |
| SBD250028 | SBDH25013 | 27.0 | 30.0 | 42.9 | 86.8 | 9.3 | 34.3 | 5.8 | 1.1 | 5.7 | 0.8 | 5.0 | 1.1 | 3.7 | 0.5 | 3.2 | 0.5 | 29.8 | 230.6 | 43.6 | 4.1 | 127.0 |
| SBD250029 | SBDH25013 | 30.0 | 32.0 | 35.1 | 96.7 | 8.7 | 33.6 | 5.8 | 1.1 | 5.5 | 0.7 | 4.4 | 1.0 | 3.1 | 0.4 | 2.9 | 0.4 | 29.7 | 229.1 | 42.3 | 3.1 | 176.0 |
| SBD250030 | SBDH25016 | 10.0 | 13.0 | 45.2 | 89.8 | 10.4 | 36.5 | 5.8 | 1.1 | 6.0 | 1.0 | 5.7 | 1.4 | 3.9 | 0.6 | 3.7 | 0.6 | 38.0 | 249.7 | 46.9 | 3.6 | 87.0 |
| SBD250031 | SBDH25016 | 13.0 | 16.0 | 21.6 | 39.9 | 4.9 | 17.8 | 3.2 | 0.6 | 3.5 | 0.5 | 3.0 | 0.8 | 2.1 | 0.3 | 2.1 | 0.3 | 19.8 | 120.4 | 22.7 | 2.6 | 50.0 |
| SBD250032 | SBDH25016 | 16.0 | 19.0 | 44.3 | 87.5 | 9.7 | 36.2 | 6.2 | 1.3 | 6.2 | 0.9 | 5.0 | 1.2 | 3.6 | 0.5 | 3.9 | 0.6 | 35.9 | 243.0 | 45.8 | 4.6 | 112.0 |
| SBD250033 | SBDH25016 | 19.0 | 22.0 | 33.7 | 71.9 | 7.2 | 27.2 | 4.5 | 0.9 | 4.4 | 0.7 | 4.2 | 1.0 | 2.6 | 0.4 | 2.7 | 0.4 | 27.0 | 188.7 | 34.4 | 3.6 | 97.0 |
| SBD250034 | SBDH25016 | 22.0 | 24.0 | 37.9 | 80.5 | 7.5 | 27.1 | 5.0 | 1.0 | 4.5 | 0.6 | 4.2 | 1.1 | 3.2 | 0.4 | 3.0 | 0.5 | 27.4 | 203.9 | 34.6 | 3.7 | 116.0 |
| SBD250035 | SBDH25016 | 24.0 | 26.0 | 37.9 | 77.8 | 8.9 | 32.1 | 6.3 | 1.3 | 5.8 | 1.0 | 5.6 | 1.2 | 3.5 | 0.5 | 3.5 | 0.6 | 35.8 | 221.7 | 41.0 | 4.0 | 131.0 |
| SBD250036 | SBDH25016 | 26.0 | 29.0 | 21.1 | 60.7 | 5.0 | 17.7 | 3.6 | 0.7 | 3.3 | 0.6 | 3.4 | 0.7 | 2.1 | 0.4 | 2.3 | 0.4 | 20.7 | 142.6 | 22.7 | 2.5 | 101.0 |
| SBD250037 | SBDH25016 | 29.0 | 32.0 | 43.9 | 96.4 | 10.1 | 35.2 | 6.3 | 1.2 | 5.8 | 0.9 | 5.5 | 1.1 | 3.5 | 0.5 | 3.6 | 0.5 | 33.5 | 248.2 | 45.3 | 3.7 | 158.0 |
| SBD250038 | SBDH25016 | 32.0 | 35.0 | 47.1 | 88.4 | 10.6 | 36.9 | 6.7 | 1.4 | 6.5 | 1.0 | 6.0 | 1.2 | 3.6 | 0.5 | 3.6 | 0.5 | 35.2 | 249.0 | 47.4 | 3.3 | 142.0 |
| SBD250039 | SBDH25016 | 35.0 | 38.0 | 40.7 | 87.0 | 9.9 | 34.8 | 6.6 | 1.5 | 6.0 | 1.1 | 6.0 | 1.2 | 3.8 | 0.5 | 3.4 | 0.6 | 35.2 | 238.1 | 44.7 | 3.1 | 145.0 |
| SBD250040 | SBDH25016 | 38.0 | 41.0 | 28.0 | 53.4 | 6.0 | 21.3 | 4.0 | 0.8 | 3.4 | 0.6 | 3.6 | 0.8 | 2.5 | 0.4 | 2.7 | 0.4 | 22.4 | 150.3 | 27.4 | 2.5 | 111.0 |
| SBD250041 | SBDH25016 | 41.0 | 43.0 | 29.7 | 67.4 | 7.1 | 26.1 | 5.0 | 1.1 | 4.8 | 0.8 | 4.3 | 0.9 | 2.9 | 0.4 | 2.8 | 0.4 | 25.7 | 179.5 | 33.2 | 2.7 | 117.0 |
| SBD250042 | SBDH25016 | 43.0 | 45.0 | 31.7 | 65.6 | 7.2 | 24.7 | 4.8 | 1.0 | 4.0 | 0.8 | 4.6 | 0.9 | 2.8 | 0.4 | 3.0 | 0.5 | 25.4 | 177.2 | 31.9 | 2.6 | 120.0 |
| SBD250043 | SBDH25024 | 10.0 | 13.0 | 35.2 | 66.8 | 8.1 | 29.7 | 5.7 | 1.1 | 4.9 | 0.8 | 4.8 | 1.0 | 2.8 | 0.5 | 2.8 | 0.4 | 30.6 | 195.3 | 37.9 | 2.3 | 67.0 |
| SBD250044 | SBDH25024 | 13.0 | 16.0 | 39.9 | 80.3 | 9.3 | 32.7 | 6.1 | 1.1 | 5.5 | 0.9 | 5.2 | 1.1 | 3.1 | 0.5 | 3.1 | 0.4 | 32.5 | 221.7 | 42.0 | 2.8 | 86.0 |
| SBD250045 | SBDH25024 | 16.0 | 18.0 | 46.9 | 91.6 | 10.3 | 35.9 | 7.4 | 1.2 | 5.9 | 1.0 | 5.7 | 1.2 | 3.6 | 0.6 | 3.1 | 0.5 | 37.0 | 251.9 | 46.3 | 2.8 | 118.0 |
| SBD250046 | SBDH25024 | 18.0 | 20.0 | 23.1 | 47.0 | 5.4 | 19.2 | 3.4 | 0.7 | 3.5 | 0.6 | 4.0 | 0.8 | 2.6 | 0.3 | 2.4 | 0.4 | 24.9 | 138.4 | 24.7 | 2.1 | 76.0 |
| SBD250047 | SBDH25024 | 20.0 | 23.0 | 47.9 | 96.9 | 11.1 | 39.8 | 7.5 | 1.3 | 6.6 | 1.2 | 6.7 | 1.3 | 4.0 | 0.6 | 4.0 | 0.6 | 41.1 | 270.5 | 50.9 | 3.5 | 119.0 |
| SBD250048 | SBDH25024 | 23.0 | 26.0 | 45.2 | 84.6 | 10.4 | 37.3 | 6.9 | 1.2 | 6.2 | 1.0 | 5.7 | 1.2 | 3.7 | 0.6 | 3.6 | 0.5 | 36.1 | 244.2 | 47.7 | 3.5 | 130.0 |
| SBD250049 | SBDH25024 | 26.0 | 28.0 | 44.7 | 86.0 | 9.9 | 35.8 | 6.8 | 1.3 | 5.5 | 1.0 | 5.7 | 1.2 | 3.7 | 0.5 | 3.5 | 0.5 | 33.3 | 239.2 | 45.7 | 3.5 | 140.0 |
| SBD250051 | SBDH25024 | 28.0 | 30.0 | 45.6 | 93.4 | 10.6 | 39.0 | 7.3 | 1.5 | 6.6 | 1.0 | 6.2 | 1.2 | 4.0 | 0.5 | 3.9 | 0.6 | 38.2 | 259.6 | 49.5 | 3.7 | 142.0 |
| SBD250052 | SBDH25024 | 30.0 | 31.0 | 44.0 | 96.6 | 10.0 | 35.7 | 6.6 | 1.3 | 6.4 | 1.0 | 6.0 | 1.2 | 3.8 | 0.5 | 3.7 | 0.6 | 35.8 | 253.2 | 45.7 | 3.5 | 135.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250053 | SBDH25024 | 31.0 | 34.0 | 28.7 | 56.0 | 6.5 | 22.7 | 4.7 | 0.8 | 4.1 | 0.7 | 4.3 | 0.9 | 2.7 | 0.4 | 2.8 | 0.4 | 25.1 | 160.9 | 29.3 | 2.7 | 98.0 |
| SBD250054 | SBDH25024 | 34.0 | 37.0 | 41.4 | 96.7 | 9.4 | 32.1 | 6.5 | 1.3 | 5.7 | 1.0 | 5.7 | 1.2 | 3.6 | 0.5 | 3.5 | 0.5 | 33.4 | 242.4 | 41.5 | 3.8 | 133.0 |
| SBD250055 | SBDH25024 | 37.0 | 40.0 | 50.1 | 97.0 | 11.2 | 39.9 | 8.0 | 1.6 | 7.1 | 1.1 | 6.9 | 1.3 | 3.9 | 0.6 | 3.6 | 0.5 | 40.4 | 273.2 | 51.1 | 4.0 | 145.0 |
| SBD250056 | SBDH25024 | 40.0 | 43.0 | 52.4 | 99.7 | 11.7 | 41.5 | 7.2 | 1.5 | 6.5 | 1.1 | 6.2 | 1.3 | 3.6 | 0.5 | 3.4 | 0.5 | 37.6 | 275.0 | 53.2 | 3.8 | 133.0 |
| SBD250057 | SBDH25024 | 43.0 | 46.0 | 25.2 | 52.1 | 6.1 | 22.4 | 4.5 | 0.9 | 4.0 | 0.6 | 3.7 | 0.8 | 2.5 | 0.4 | 2.4 | 0.4 | 22.5 | 148.5 | 28.5 | 2.6 | 105.0 |
| SBD250058 | SBDH25024 | 46.0 | 49.0 | 20.3 | 39.4 | 4.5 | 17.1 | 3.5 | 0.6 | 2.9 | 0.5 | 2.8 | 0.6 | 2.0 | 0.3 | 2.1 | 0.3 | 18.2 | 115.2 | 21.7 | 2.0 | 84.0 |
| SBD250059 | SBDH25024 | 49.0 | 52.0 | 20.9 | 43.2 | 5.0 | 17.5 | 3.7 | 0.7 | 3.1 | 0.5 | 3.4 | 0.7 | 2.0 | 0.4 | 2.1 | 0.4 | 19.7 | 123.3 | 22.5 | 2.2 | 82.0 |
| SBD250060 | SBDH25025 | 9.0 | 12.0 | 43.7 | 84.0 | 10.2 | 36.9 | 7.2 | 1.2 | 5.9 | 0.9 | 5.7 | 1.1 | 3.5 | 0.5 | 3.4 | 0.5 | 35.3 | 240.0 | 47.0 | 3.5 | 89.0 |
| SBD250061 | SBDH25025 | 12.0 | 15.0 | 26.5 | 47.2 | 6.3 | 23.2 | 4.2 | 0.9 | 4.1 | 0.6 | 4.0 | 0.9 | 2.6 | 0.4 | 2.4 | 0.4 | 27.0 | 150.8 | 29.5 | 2.4 | 53.0 |
| SBD250062 | SBDH25025 | 15.0 | 17.0 | 46.2 | 88.2 | 10.6 | 38.3 | 6.7 | 1.3 | 6.2 | 1.1 | 6.5 | 1.3 | 3.9 | 0.6 | 4.0 | 0.6 | 39.2 | 254.7 | 48.8 | 3.5 | 115.0 |
| SBD250063 | SBDH25025 | 17.0 | 20.0 | 37.2 | 75.3 | 8.5 | 30.1 | 5.6 | 1.0 | 5.3 | 0.9 | 5.3 | 1.1 | 3.4 | 0.5 | 3.2 | 0.5 | 33.1 | 210.8 | 38.6 | 2.9 | 95.0 |
| SBD250064 | SBDH25025 | 20.0 | 22.0 | 13.8 | 28.0 | 3.4 | 12.4 | 2.1 | 0.4 | 2.4 | 0.4 | 2.6 | 0.5 | 1.7 | 0.3 | 1.7 | 0.3 | 16.1 | 86.0 | 15.7 | 1.9 | 41.0 |
| SBD250065 | SBDH25025 | 22.0 | 25.0 | 39.3 | 82.2 | 9.2 | 33.7 | 6.6 | 1.2 | 5.5 | 0.9 | 5.4 | 1.1 | 3.4 | 0.5 | 3.3 | 0.5 | 31.9 | 224.6 | 43.0 | 3.7 | 106.0 |
| SBD250066 | SBDH25025 | 25.0 | 28.0 | 44.2 | 91.8 | 10.4 | 38.5 | 7.4 | 1.2 | 6.7 | 1.0 | 6.3 | 1.3 | 3.8 | 0.6 | 3.7 | 0.5 | 36.7 | 254.1 | 48.9 | 4.3 | 130.0 |
| SBD250067 | SBDH25025 | 28.0 | 31.0 | 31.5 | 71.0 | 7.3 | 26.0 | 4.4 | 0.9 | 4.6 | 0.7 | 4.6 | 0.8 | 2.9 | 0.4 | 2.9 | 0.5 | 26.2 | 184.8 | 33.3 | 3.2 | 101.0 |
| SBD250068 | SBDH25025 | 31.0 | 34.0 | 38.8 | 91.3 | 9.4 | 33.8 | 6.5 | 1.3 | 6.0 | 0.9 | 5.9 | 1.1 | 3.7 | 0.5 | 3.5 | 0.5 | 34.7 | 237.9 | 43.2 | 3.4 | 123.0 |
| SBD250069 | SBDH25025 | 34.0 | 36.0 | 29.3 | 55.8 | 6.7 | 23.3 | 4.3 | 0.8 | 3.8 | 0.6 | 4.0 | 0.8 | 2.5 | 0.4 | 2.7 | 0.4 | 23.7 | 159.1 | 30.0 | 2.4 | 94.0 |
| SBD250070 | SBDH25025 | 36.0 | 37.0 | 38.6 | 78.5 | 8.6 | 32.2 | 5.4 | 1.1 | 5.5 | 0.8 | 5.0 | 1.1 | 3.2 | 0.5 | 3.1 | 0.5 | 29.3 | 213.5 | 40.8 | 3.1 | 125.0 |
| SBD250071 | SBDH25025 | 37.0 | 38.0 | 46.7 | 103.3 | 10.8 | 40.5 | 7.2 | 1.4 | 6.4 | 1.0 | 5.6 | 1.3 | 3.8 | 0.5 | 3.7 | 0.5 | 35.7 | 268.3 | 51.3 | 3.7 | 171.0 |
| SBD250072 | SBDH25025 | 38.0 | 41.0 | 31.5 | 75.8 | 7.7 | 30.0 | 5.5 | 1.3 | 5.1 | 0.8 | 4.8 | 0.9 | 3.1 | 0.5 | 2.9 | 0.4 | 27.7 | 198.0 | 37.7 | 3.1 | 129.0 |
| SBD250073 | SBDH25025 | 41.0 | 44.0 | 32.4 | 88.9 | 6.7 | 23.1 | 3.8 | 0.9 | 3.6 | 0.6 | 3.7 | 0.8 | 2.7 | 0.4 | 3.0 | 0.4 | 23.0 | 194.1 | 29.8 | 3.1 | 114.0 |
| SBD250074 | SBDH25020 | 9.0 | 12.0 | 35.8 | 68.5 | 7.7 | 27.8 | 4.3 | 1.0 | 4.8 | 0.8 | 4.2 | 0.9 | 2.9 | 0.4 | 2.9 | 0.4 | 27.7 | 190.2 | 35.5 | 4.0 | 82.0 |
| SBD250075 | SBDH25020 | 12.0 | 15.0 | 36.9 | 71.4 | 8.5 | 30.7 | 5.4 | 1.0 | 4.9 | 0.9 | 5.7 | 1.1 | 3.5 | 0.5 | 3.7 | 0.5 | 35.2 | 209.8 | 39.1 | 3.2 | 72.0 |
| SBD250076 | SBDH25020 | 15.0 | 17.0 | 33.5 | 65.6 | 7.5 | 27.1 | 4.9 | 0.8 | 4.4 | 0.8 | 4.5 | 1.0 | 3.1 | 0.5 | 2.8 | 0.4 | 28.6 | 185.5 | 34.6 | 3.4 | 79.0 |
| SBD250077 | SBDH25020 | 17.0 | 19.0 | 38.8 | 79.0 | 8.9 | 30.9 | 5.1 | 1.2 | 5.9 | 0.9 | 5.8 | 1.3 | 3.9 | 0.5 | 3.7 | 0.6 | 36.1 | 222.7 | 39.8 | 4.3 | 96.0 |
| SBD250078 | SBDH25020 | 19.0 | 21.0 | 40.3 | 86.6 | 9.0 | 32.7 | 5.8 | 1.1 | 5.4 | 0.8 | 5.2 | 1.1 | 3.5 | 0.5 | 3.8 | 0.5 | 34.0 | 230.4 | 41.6 | 5.1 | 117.0 |
| SBD250079 | SBDH25020 | 21.0 | 24.0 | 34.7 | 67.1 | 7.6 | 27.1 | 4.4 | 0.9 | 4.6 | 0.7 | 4.7 | 0.9 | 2.8 | 0.5 | 3.1 | 0.4 | 27.9 | 187.4 | 34.7 | 4.4 | 98.0 |
| SBD250080 | SBDH25020 | 24.0 | 25.0 | 17.6 | 31.3 | 3.9 | 13.4 | 2.4 | 0.5 | 2.3 | 0.4 | 2.2 | 0.6 | 1.7 | 0.3 | 1.8 | 0.2 | 16.1 | 94.9 | 17.3 | 2.5 | 63.0 |
| SBD250082 | SBDH25020 | 25.0 | 28.0 | 43.4 | 91.3 | 10.1 | 37.0 | 6.9 | 1.4 | 6.2 | 1.0 | 6.0 | 1.3 | 3.6 | 0.6 | 3.4 | 0.5 | 36.2 | 248.8 | 47.1 | 3.5 | 138.0 |
| SBD250083 | SBDH25020 | 28.0 | 31.0 | 41.8 | 83.7 | 9.4 | 33.5 | 5.5 | 1.4 | 5.5 | 1.0 | 5.5 | 1.2 | 3.8 | 0.6 | 3.5 | 0.5 | 34.5 | 231.2 | 42.9 | 3.0 | 115.0 |
| SBD250084 | SBDH25020 | 31.0 | 34.0 | 31.0 | 65.0 | 6.7 | 24.3 | 4.5 | 0.9 | 4.0 | 0.7 | 4.0 | 0.9 | 2.7 | 0.4 | 2.9 | 0.4 | 25.9 | 174.3 | 30.9 | 2.5 | 104.0 |
| SBD250085 | SBDH25020 | 34.0 | 37.0 | 44.1 | 90.3 | 10.1 | 36.9 | 7.1 | 1.4 | 6.3 | 1.1 | 5.8 | 1.2 | 3.5 | 0.6 | 3.5 | 0.5 | 35.3 | 247.7 | 46.9 | 2.8 | 132.0 |
| SBD250086 | SBDH25020 | 37.0 | 40.0 | 52.4 | 102.1 | 13.6 | 55.5 | 9.5 | 2.1 | 9.3 | 1.3 | 7.2 | 1.6 | 4.5 | 0.6 | 4.0 | 0.6 | 47.5 | 311.8 | 69.1 | 3.1 | 150.0 |
| SBD250087 | SBDH25020 | 40.0 | 42.0 | 53.4 | 97.3 | 12.8 | 47.2 | 9.0 | 1.8 | 8.0 | 1.3 | 7.0 | 1.5 | 3.7 | 0.6 | 3.7 | 0.5 | 41.0 | 288.9 | 60.0 | 3.1 | 137.0 |
| SBD250088 | SBDH25020 | 42.0 | 44.0 | 51.3 | 98.4 | 11.6 | 40.0 | 6.8 | 1.5 | 6.2 | 1.1 | 5.7 | 1.2 | 3.7 | 0.6 | 3.5 | 0.5 | 35.2 | 267.1 | 51.6 | 2.8 | 144.0 |
| SBD250089 | SBDH25020 | 44.0 | 45.0 | 27.4 | 84.4 | 6.5 | 25.2 | 5.3 | 0.9 | 4.0 | 0.6 | 3.7 | 0.8 | 2.5 | 0.4 | 2.4 | 0.3 | 19.8 | 184.2 | 31.7 | 2.2 | 114.0 |
| SBD250090 | SBDH25022 | 8.0 | 11.0 | 32.1 | 61.1 | 7.7 | 28.8 | 4.9 | 0.9 | 4.9 | 0.8 | 4.8 | 1.0 | 3.1 | 0.4 | 2.8 | 0.4 | 30.4 | 184.0 | 36.5 | 2.7 | 60.0 |
| SBD250091 | SBDH25022 | 11.0 | 14.0 | 27.6 | 48.2 | 6.5 | 24.4 | 4.4 | 0.8 | 4.5 | 0.7 | 4.0 | 0.9 | 2.8 | 0.4 | 2.4 | 0.3 | 26.0 | 153.9 | 30.8 | 2.2 | 52.0 |
| SBD250092 | SBDH25022 | 14.0 | 17.0 | 38.1 | 79.6 | 8.5 | 30.4 | 5.9 | 1.1 | 5.5 | 0.9 | 5.5 | 1.2 | 3.8 | 0.6 | 3.6 | 0.5 | 34.7 | 219.6 | 38.9 | 3.0 | 90.0 |
| SBD250093 | SBDH25022 | 17.0 | 20.0 | 45.9 | 91.6 | 9.9 | 35.7 | 6.0 | 1.2 | 6.2 | 1.0 | 5.9 | 1.3 | 3.8 | 0.5 | 3.6 | 0.5 | 36.2 | 249.3 | 45.6 | 2.9 | 114.0 |
| SBD250094 | SBDH25022 | 20.0 | 23.0 | 40.1 | 80.1 | 9.4 | 31.8 | 6.2 | 1.1 | 5.9 | 1.0 | 5.2 | 1.2 | 3.6 | 0.6 | 3.6 | 0.5 | 36.2 | 226.4 | 41.2 | 2.9 | 117.0 |
| SBD250095 | SBDH25022 | 23.0 | 26.0 | 37.1 | 80.7 | 8.4 | 29.9 | 5.7 | 1.0 | 5.3 | 0.8 | 4.8 | 1.0 | 3.1 | 0.5 | 3.0 | 0.4 | 30.5 | 211.9 | 38.3 | 3.0 | 118.0 |
| SBD250096 | SBDH25022 | 26.0 | 27.0 | 19.6 | 44.6 | 4.4 | 15.6 | 2.6 | 0.5 | 2.7 | 0.5 | 3.1 | 0.7 | 2.0 | 0.3 | 2.0 | 0.3 | 19.3 | 118.2 | 20.0 | 1.9 | 73.0 |
| SBD250097 | SBDH25022 | 27.0 | 29.0 | 23.1 | 45.1 | 5.0 | 16.7 | 2.9 | 0.5 | 2.6 | 0.5 | 2.9 | 0.6 | 2.0 | 0.3 | 2.1 | 0.3 | 18.0 | 122.8 | 21.7 | 2.2 | 80.0 |
| SBD250098 | SBDH25022 | 29.0 | 32.0 | 32.5 | 67.6 | 7.9 | 30.6 | 5.2 | 1.1 | 4.7 | 0.7 | 4.3 | 1.0 | 2.7 | 0.4 | 2.7 | 0.4 | 27.7 | 189.5 | 38.5 | 2.5 | 98.0 |
| SBD250099 | SBDH25022 | 32.0 | 35.0 | 72.4 | 214.4 | 26.9 | 123.1 | 25.3 | 4.5 | 17.8 | 2.0 | 8.0 | 1.2 | 2.3 | 0.3 | 1.4 | 0.2 | 34.0 | 533.6 | 150.0 | 4.5 | 68.0 |
| SBD250100 | SBDH25022 | 35.0 | 38.0 | 25.6 | 59.0 | 6.5 | 25.3 | 4.6 | 1.0 | 4.9 | 0.7 | 3.3 | 0.6 | 1.6 | 0.2 | 1.4 | 0.1 | 19.3 | 154.0 | 31.9 | 1.9 | 101.0 |
| SBD250102 | SBDH25026 | 11.0 | 14.0 | 43.3 | 86.1 | 9.9 | 34.3 | 6.6 | 1.0 | 5.6 | 0.9 | 5.6 | 1.1 | 3.2 | 0.5 | 3.2 | 0.4 | 33.3 | 234.9 | 44.2 | 2.8 | 86.0 |
| SBD250103 | SBDH25026 | 14.0 | 17.0 | 40.7 | 81.4 | 8.8 | 32.9 | 5.8 | 1.1 | 5.6 | 0.8 | 5.5 | 1.1 | 3.2 | 0.5 | 3.2 | 0.5 | 32.9 | 224.1 | 41.7 | 3.6 | 95.0 |
| SBD250104 | SBDH25026 | 17.0 | 20.0 | 37.9 | 76.4 | 8.2 | 30.0 | 5.5 | 1.0 | 5.2 | 0.9 | 5.0 | 1.1 | 3.4 | 0.5 | 3.2 | 0.5 | 32.3 | 210.8 | 38.2 | 3.7 | 105.0 |
| SBD250105 | SBDH25026 | 20.0 | 23.0 | 40.0 | 81.4 | 9.3 | 33.7 | 6.6 | 1.2 | 5.4 | 0.9 | 5.8 | 1.1 | 3.4 | 0.5 | 3.1 | 0.5 | 33.9 | 226.9 | 43.0 | 3.9 | 113.0 |
| SBD250106 | SBDH25026 | 23.0 | 26.0 | 42.2 | 73.1 | 9.7 | 36.2 | 7.0 | 1.2 | 6.2 | 0.9 | 5.9 | 1.1 | 3.4 | 0.5 | 3.1 | 0.5 | 37.7 | 228.7 | 45.9 | 3.5 | 118.0 |
| SBD250107 | SBDH25026 | 26.0 | 28.0 | 19.9 | 50.6 | 4.4 | 16.2 | 3.0 | 0.5 | 2.7 | 0.5 | 2.8 | 0.7 | 1.9 | 0.3 | 2.0 | 0.3 | 18.7 | 124.4 | 20.6 | 2.2 | 79.0 |
| SBD250108 | SBDH25026 | 28.0 | 30.0 | 44.4 | 78.6 | 9.5 | 36.2 | 6.5 | 1.1 | 5.3 | 0.8 | 5.5 | 1.1 | 2.9 | 0.5 | 3.0 | 0.5 | 31.5 | 227.4 | 45.6 | 3.7 | 133.0 |
| SBD250109 | SBDH25026 | 30.0 | 32.0 | 31.0 | 75.5 | 7.6 | 27.2 | 5.8 | 1.1 | 4.7 | 0.8 | 4.7 | 1.0 | 2.6 | 0.4 | 2.8 | 0.4 | 26.8 | 192.3 | 34.8 | 2.6 | 103.0 |
| SBD250110 | SBDH25026 | 32.0 | 34.0 | 42.8 | 82.9 | 9.2 | 34.2 | 6.4 | 1.1 | 5.0 | 0.9 | 5.6 | 1.1 | 3.2 | 0.5 | 3.2 | 0.4 | 32.4 | 228.8 | 43.4 | 3.2 | 142.0 |
| SBD250111 | SBDH25026 | 34.0 | 36.1 | 38.8 | 99.1 | 9.7 | 36.9 | 6.9 | 1.2 | 5.4 | 0.8 | 4.6 | 0.9 | 2.3 | 0.4 | 2.0 | 0.4 | 30.2 | 239.9 | 46.6 | 2.4 | 117.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250112 | SBDH25033 | 11.0 | 14.0 | 49.4 | 98.9 | 11.3 | 42.1 | 7.8 | 1.5 | 7.0 | 1.1 | 7.2 | 1.4 | 3.8 | 0.6 | 4.1 | 0.5 | 43.0 | 279.7 | 53.4 | 4.2 | 112.0 |
| SBD250113 | SBDH25033 | 14.0 | 17.0 | 30.5 | 60.1 | 7.1 | 25.4 | 4.8 | 0.9 | 4.3 | 0.8 | 4.9 | 1.1 | 3.2 | 0.5 | 3.1 | 0.5 | 32.5 | 179.6 | 32.5 | 3.7 | 72.0 |
| SBD250114 | SBDH25033 | 17.0 | 20.0 | 32.1 | 64.9 | 7.0 | 26.1 | 4.4 | 0.9 | 4.3 | 0.6 | 4.5 | 1.0 | 2.6 | 0.4 | 2.6 | 0.4 | 26.7 | 178.5 | 33.1 | 4.5 | 89.0 |
| SBD250115 | SBDH25033 | 20.0 | 23.0 | 44.7 | 88.0 | 10.8 | 39.7 | 8.1 | 1.5 | 7.2 | 1.1 | 7.2 | 1.4 | 3.6 | 0.6 | 3.8 | 0.5 | 41.9 | 260.0 | 50.5 | 4.2 | 119.0 |
| SBD250116 | SBDH25033 | 23.0 | 25.0 | 32.4 | 72.8 | 7.2 | 25.8 | 4.7 | 0.9 | 4.4 | 0.7 | 4.7 | 0.9 | 2.5 | 0.4 | 2.4 | 0.4 | 26.9 | 187.1 | 32.9 | 3.2 | 109.0 |
| SBD250117 | SBDH25033 | 25.0 | 28.0 | 25.2 | 52.1 | 5.0 | 16.9 | 2.9 | 0.5 | 2.8 | 0.5 | 3.2 | 0.7 | 2.1 | 0.3 | 2.2 | 0.3 | 18.5 | 133.4 | 21.9 | 2.6 | 91.0 |
| SBD250118 | SBDH25033 | 28.0 | 31.0 | 36.0 | 92.5 | 7.9 | 27.9 | 6.1 | 1.1 | 4.9 | 0.8 | 5.1 | 1.0 | 3.0 | 0.5 | 2.8 | 0.4 | 28.3 | 218.2 | 35.8 | 3.4 | 130.0 |
| SBD250119 | SBDH25033 | 31.0 | 34.0 | 46.8 | 101.2 | 11.0 | 40.8 | 7.2 | 1.6 | 6.6 | 1.1 | 6.5 | 1.3 | 3.7 | 0.5 | 3.5 | 0.5 | 38.7 | 271.0 | 51.8 | 3.7 | 167.0 |
| SBD250120 | SBDH25033 | 34.0 | 36.0 | 44.7 | 93.2 | 10.3 | 37.7 | 7.7 | 1.6 | 6.2 | 1.0 | 6.7 | 1.2 | 3.5 | 0.6 | 3.3 | 0.5 | 39.6 | 257.8 | 47.9 | 3.7 | 148.0 |
| SBD250121 | SBDH25033 | 36.0 | 39.0 | 38.9 | 82.3 | 9.1 | 34.5 | 7.1 | 1.3 | 5.5 | 0.9 | 5.9 | 1.2 | 3.3 | 0.5 | 3.3 | 0.5 | 34.7 | 229.0 | 43.6 | 3.3 | 123.0 |
| SBD250122 | SBDH25033 | 39.0 | 42.0 | 25.7 | 53.7 | 6.0 | 21.2 | 4.1 | 0.8 | 3.6 | 0.6 | 4.2 | 0.8 | 2.3 | 0.4 | 2.6 | 0.4 | 23.1 | 149.5 | 27.2 | 2.6 | 112.0 |
| SBD250124 | SBDH25033 | 42.0 | 44.0 | 20.9 | 40.3 | 4.6 | 16.6 | 3.5 | 0.6 | 2.7 | 0.5 | 3.0 | 0.6 | 1.6 | 0.3 | 1.9 | 0.3 | 17.3 | 114.5 | 21.2 | 2.3 | 101.0 |
| SBD250125 | SBDH25033 | 44.0 | 46.0 | 28.6 | 54.5 | 7.3 | 29.0 | 5.1 | 1.1 | 4.6 | 0.7 | 4.6 | 0.9 | 2.7 | 0.4 | 2.6 | 0.4 | 26.7 | 169.2 | 36.3 | 3.1 | 105.0 |
| SBD250126 | SBDH25033 | 46.0 | 49.0 | 31.2 | 55.3 | 6.9 | 24.3 | 4.7 | 0.9 | 4.1 | 0.7 | 4.0 | 0.8 | 2.7 | 0.4 | 2.8 | 0.4 | 23.9 | 163.1 | 31.2 | 3.1 | 109.0 |
| SBD250127 | SBDH25033 | 49.0 | 52.0 | 31.1 | 59.1 | 6.9 | 25.4 | 4.5 | 0.9 | 3.8 | 0.7 | 4.6 | 0.8 | 2.4 | 0.4 | 2.6 | 0.4 | 22.7 | 166.4 | 32.4 | 3.3 | 104.0 |
| SBD250128 | SBDH25032 | 8.0 | 11.0 | 21.6 | 43.0 | 4.7 | 16.6 | 3.2 | 0.5 | 2.6 | 0.4 | 3.2 | 0.6 | 1.8 | 0.3 | 2.1 | 0.3 | 19.9 | 120.9 | 21.3 | 2.0 | 45.0 |
| SBD250129 | SBDH25032 | 11.0 | 14.0 | 20.9 | 39.2 | 4.4 | 17.0 | 3.6 | 0.5 | 2.7 | 0.5 | 3.2 | 0.7 | 1.9 | 0.3 | 2.2 | 0.3 | 20.3 | 117.6 | 21.5 | 2.1 | 59.0 |
| SBD250130 | SBDH25032 | 14.0 | 17.0 | 39.5 | 76.7 | 9.3 | 33.0 | 6.5 | 1.4 | 5.9 | 0.9 | 6.3 | 1.2 | 3.5 | 0.5 | 3.6 | 0.5 | 37.5 | 226.3 | 42.3 | 2.7 | 94.0 |
| SBD250131 | SBDH25032 | 17.0 | 20.0 | 34.4 | 67.7 | 8.1 | 28.9 | 4.9 | 0.9 | 5.1 | 0.8 | 4.8 | 1.1 | 2.9 | 0.5 | 3.3 | 0.5 | 33.8 | 197.7 | 37.0 | 2.9 | 85.0 |
| SBD250132 | SBDH25032 | 20.0 | 22.0 | 23.6 | 44.7 | 5.3 | 18.9 | 3.7 | 0.6 | 3.5 | 0.6 | 3.3 | 0.7 | 2.3 | 0.4 | 2.4 | 0.4 | 22.5 | 132.9 | 24.2 | 2.3 | 68.0 |
| SBD250133 | SBDH25032 | 22.0 | 25.0 | 37.6 | 72.7 | 8.4 | 30.2 | 5.8 | 1.2 | 4.8 | 0.8 | 4.8 | 1.0 | 2.9 | 0.5 | 3.1 | 0.4 | 30.2 | 204.5 | 38.6 | 3.4 | 116.0 |
| SBD250134 | SBDH25032 | 25.0 | 27.0 | 42.0 | 78.1 | 10.0 | 38.0 | 7.6 | 1.4 | 6.2 | 1.0 | 5.9 | 1.2 | 3.4 | 0.5 | 3.4 | 0.6 | 37.0 | 236.0 | 48.0 | 3.9 | 130.0 |
| SBD250135 | SBDH25032 | 27.0 | 29.0 | 31.0 | 61.1 | 7.5 | 29.0 | 5.3 | 1.2 | 5.1 | 0.8 | 4.5 | 0.9 | 2.7 | 0.4 | 2.9 | 0.4 | 29.5 | 182.2 | 36.6 | 2.9 | 103.0 |
| SBD250136 | SBDH25032 | 29.0 | 31.0 | 25.3 | 51.1 | 6.1 | 21.0 | 4.2 | 0.9 | 3.8 | 0.7 | 3.8 | 0.8 | 2.4 | 0.4 | 2.7 | 0.4 | 26.2 | 149.8 | 27.1 | 2.5 | 85.0 |
| SBD250137 | SBDH25032 | 31.0 | 33.0 | 17.2 | 37.6 | 3.6 | 13.8 | 2.6 | 0.5 | 2.5 | 0.4 | 2.8 | 0.6 | 1.9 | 0.3 | 2.0 | 0.3 | 18.8 | 105.0 | 17.4 | 2.0 | 75.0 |
| SBD250138 | SBDH25032 | 33.0 | 35.0 | 25.2 | 59.1 | 5.9 | 20.5 | 4.0 | 0.9 | 3.5 | 0.6 | 3.6 | 0.8 | 2.2 | 0.4 | 2.5 | 0.4 | 23.2 | 152.7 | 26.4 | 2.3 | 85.0 |
| SBD250139 | SBDH25032 | 35.0 | 37.0 | 50.5 | 96.1 | 11.2 | 38.4 | 7.4 | 1.6 | 6.4 | 1.0 | 6.3 | 1.2 | 3.7 | 0.5 | 3.5 | 0.6 | 36.1 | 264.4 | 49.5 | 3.4 | 165.0 |
| SBD250140 | SBDH25032 | 37.0 | 40.0 | 35.1 | 64.0 | 7.7 | 27.6 | 5.2 | 1.1 | 4.4 | 0.8 | 4.1 | 0.8 | 2.2 | 0.4 | 2.7 | 0.4 | 25.9 | 182.3 | 35.3 | 3.4 | 98.0 |
| SBD250141 | SBDH25032 | 40.0 | 43.0 | 23.7 | 44.0 | 5.3 | 18.9 | 3.9 | 0.9 | 3.4 | 0.5 | 3.3 | 0.6 | 1.8 | 0.3 | 1.9 | 0.3 | 19.4 | 128.2 | 24.2 | 2.9 | 107.0 |
| SBD250142 | SBDH25049 | 8.0 | 10.0 | 39.2 | 79.7 | 8.6 | 31.5 | 6.0 | 1.2 | 5.0 | 0.9 | 5.0 | 1.1 | 3.0 | 0.5 | 3.3 | 0.5 | 31.4 | 216.8 | 40.1 | 3.1 | 89.0 |
| SBD250143 | SBDH25049 | 10.0 | 13.0 | 54.1 | 111.5 | 12.7 | 44.2 | 8.2 | 1.5 | 6.8 | 1.1 | 6.4 | 1.4 | 3.9 | 0.6 | 4.1 | 0.6 | 42.7 | 299.8 | 56.9 | 4.6 | 109.0 |
| SBD250144 | SBDH25049 | 13.0 | 16.0 | 46.1 | 92.0 | 10.7 | 38.3 | 7.1 | 1.4 | 6.2 | 0.9 | 5.8 | 1.2 | 3.6 | 0.5 | 3.6 | 0.5 | 38.4 | 256.3 | 48.9 | 5.2 | 103.0 |
| SBD250145 | SBDH25049 | 16.0 | 19.0 | 43.0 | 82.9 | 9.5 | 33.6 | 6.3 | 1.3 | 5.8 | 0.8 | 5.4 | 1.1 | 3.3 | 0.5 | 3.6 | 0.5 | 34.4 | 232.1 | 43.1 | 5.2 | 121.0 |
| SBD250146 | SBDH25049 | 19.0 | 22.0 | 34.4 | 67.4 | 7.3 | 28.6 | 5.1 | 1.0 | 4.8 | 0.7 | 4.3 | 0.9 | 2.7 | 0.4 | 3.1 | 0.4 | 29.5 | 190.6 | 35.9 | 3.6 | 104.0 |
| SBD250147 | SBDH25049 | 22.0 | 25.0 | 32.3 | 67.2 | 7.3 | 26.9 | 5.4 | 1.0 | 4.5 | 0.7 | 4.3 | 0.9 | 2.6 | 0.4 | 2.9 | 0.4 | 27.9 | 184.8 | 34.2 | 3.0 | 128.0 |
| SBD250148 | SBDH25049 | 25.0 | 28.0 | 43.2 | 116.3 | 10.5 | 42.3 | 7.9 | 1.7 | 7.4 | 1.2 | 7.2 | 1.4 | 4.0 | 0.6 | 4.2 | 0.6 | 42.7 | 291.3 | 52.9 | 3.0 | 116.0 |
| SBD250149 | SBDH25049 | 28.0 | 30.0 | 30.1 | 59.9 | 6.9 | 24.7 | 5.1 | 1.0 | 3.6 | 0.6 | 3.6 | 0.8 | 2.1 | 0.4 | 2.4 | 0.4 | 24.3 | 165.8 | 31.6 | 2.1 | 93.0 |
| SBD250151 | SBDH25049 | 30.0 | 33.0 | 26.5 | 45.2 | 5.2 | 16.3 | 2.8 | 0.6 | 2.1 | 0.4 | 2.3 | 0.5 | 1.7 | 0.3 | 2.0 | 0.3 | 17.3 | 123.3 | 21.5 | 1.5 | 40.0 |
| SBD250152 | SBDH25049 | 33.0 | 35.0 | 23.7 | 44.7 | 4.6 | 14.5 | 2.1 | 0.4 | 1.7 | 0.3 | 2.0 | 0.4 | 1.2 | 0.2 | 1.4 | 0.2 | 12.2 | 109.6 | 19.1 | 1.5 | 33.0 |
| SBD250153 | SBDH25049 | 35.0 | 38.0 | 14.8 | 30.5 | 2.8 | 9.9 | 1.2 | 0.3 | 1.2 | 0.2 | 1.3 | 0.3 | 1.0 | 0.1 | 1.1 | 0.1 | 8.4 | 73.2 | 12.8 | 1.0 | 24.0 |
| SBD250154 | SBDH25051 | 6.0 | 9.0 | 46.3 | 89.6 | 10.8 | 40.9 | 7.2 | 1.2 | 6.2 | 1.0 | 5.9 | 1.2 | 3.3 | 0.5 | 3.5 | 0.5 | 36.7 | 254.8 | 51.8 | 2.8 | 84.0 |
| SBD250155 | SBDH25051 | 9.0 | 11.0 | 33.8 | 72.1 | 7.7 | 28.1 | 5.0 | 1.2 | 4.9 | 0.8 | 4.5 | 0.9 | 2.8 | 0.4 | 3.1 | 0.4 | 29.2 | 194.9 | 35.8 | 2.6 | 74.0 |
| SBD250156 | SBDH25051 | 11.0 | 12.0 | 21.7 | 40.4 | 5.1 | 18.7 | 3.4 | 0.7 | 2.8 | 0.5 | 3.2 | 0.6 | 2.1 | 0.3 | 2.1 | 0.3 | 20.7 | 122.6 | 23.7 | 2.0 | 41.0 |
| SBD250157 | SBDH25051 | 12.0 | 13.0 | 38.9 | 71.6 | 8.7 | 32.1 | 5.3 | 1.1 | 4.9 | 0.8 | 5.1 | 1.0 | 3.3 | 0.5 | 3.4 | 0.5 | 33.7 | 210.9 | 40.8 | 4.0 | 85.0 |
| SBD250158 | SBDH25051 | 13.0 | 14.0 | 27.3 | 56.8 | 6.6 | 24.8 | 4.7 | 0.9 | 4.2 | 0.6 | 3.8 | 0.8 | 2.5 | 0.4 | 3.0 | 0.4 | 26.8 | 163.7 | 31.4 | 3.6 | 66.0 |
| SBD250159 | SBDH25051 | 14.0 | 17.0 | 47.4 | 98.0 | 10.7 | 38.6 | 7.5 | 1.3 | 6.0 | 0.9 | 5.9 | 1.2 | 3.4 | 0.5 | 3.4 | 0.6 | 39.6 | 265.2 | 49.3 | 5.8 | 125.0 |
| SBD250160 | SBDH25051 | 17.0 | 20.0 | 34.2 | 68.3 | 7.6 | 28.2 | 5.0 | 0.9 | 4.4 | 0.7 | 4.2 | 0.9 | 2.7 | 0.5 | 2.9 | 0.4 | 27.8 | 188.8 | 35.8 | 3.8 | 99.0 |
| SBD250161 | SBDH25051 | 20.0 | 22.0 | 37.6 | 74.9 | 9.3 | 34.8 | 6.9 | 1.4 | 6.2 | 1.0 | 6.0 | 1.3 | 3.5 | 0.5 | 3.4 | 0.5 | 42.7 | 230.1 | 44.1 | 4.2 | 109.0 |
| SBD250162 | SBDH25051 | 22.0 | 24.0 | 21.2 | 49.9 | 4.9 | 17.5 | 3.5 | 0.8 | 3.0 | 0.5 | 3.1 | 0.7 | 2.0 | 0.3 | 2.2 | 0.3 | 20.3 | 130.3 | 22.4 | 2.7 | 74.0 |
| SBD250163 | SBDH25051 | 24.0 | 26.0 | 45.2 | 100.0 | 11.0 | 40.5 | 7.9 | 1.7 | 6.7 | 1.0 | 6.1 | 1.3 | 3.9 | 0.6 | 3.5 | 0.5 | 39.6 | 269.5 | 51.5 | 4.1 | 132.0 |
| SBD250164 | SBDH25051 | 26.0 | 28.0 | 39.3 | 85.6 | 9.8 | 36.0 | 6.6 | 1.2 | 5.5 | 0.9 | 5.4 | 1.1 | 3.1 | 0.5 | 3.3 | 0.5 | 36.2 | 235.2 | 45.8 | 3.4 | 116.0 |
| SBD250165 | SBDH25051 | 28.0 | 29.0 | 18.5 | 36.5 | 4.3 | 15.0 | 3.0 | 0.5 | 2.7 | 0.5 | 2.5 | 0.6 | 1.8 | 0.2 | 1.8 | 0.3 | 17.1 | 105.4 | 19.4 | 1.9 | 61.0 |
| SBD250166 | SBDH25051 | 29.0 | 32.0 | 25.4 | 56.4 | 5.4 | 20.5 | 3.6 | 0.7 | 3.3 | 0.6 | 4.0 | 0.9 | 2.5 | 0.4 | 2.9 | 0.4 | 24.3 | 151.3 | 26.0 | 3.0 | 117.0 |
| SBD250167 | SBDH25051 | 32.0 | 35.0 | 26.2 | 50.9 | 6.1 | 21.0 | 4.3 | 0.8 | 3.7 | 0.6 | 3.8 | 0.8 | 2.2 | 0.3 | 2.3 | 0.3 | 24.0 | 147.3 | 27.1 | 2.1 | 56.0 |
| SBD250168 | SBDH25051 | 35.0 | 37.0 | 71.9 | 205.8 | 15.4 | 53.0 | 9.3 | 1.4 | 5.8 | 1.0 | 6.2 | 1.2 | 3.7 | 0.6 | 4.1 | 0.6 | 34.0 | 414.0 | 68.4 | 2.9 | 104.0 |
| SBD250169 | SBDH25051 | 37.0 | 38.0 | 74.8 | 73.8 | 15.5 | 43.6 | 5.3 | 0.8 | 3.2 | 0.5 | 3.4 | 0.6 | 2.1 | 0.3 | 2.5 | 0.4 | 18.8 | 245.8 | 59.1 | 2.7 | 224.0 |
| SBD250170 | SBDH25062 | 10.0 | 13.0 | 47.1 | 91.4 | 11.2 | 41.8 | 7.7 | 1.4 | 6.6 | 1.0 | 5.8 | 1.3 | 3.7 | 0.6 | 3.3 | 0.5 | 39.7 | 263.2 | 53.0 | 2.5 | 99.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250171 | SBDH25062 | 13.0 | 14.0 | 67.7 | 206.4 | 16.6 | 57.9 | 10.5 | 1.9 | 8.6 | 1.4 | 8.8 | 1.7 | 4.9 | 0.8 | 5.3 | 0.8 | 48.4 | 441.5 | 74.4 | 3.9 | 130.0 |
| SBD250172 | SBDH25062 | 14.0 | 16.0 | 47.3 | 95.8 | 10.8 | 40.5 | 7.7 | 1.4 | 6.2 | 1.0 | 6.5 | 1.3 | 3.7 | 0.5 | 3.8 | 0.5 | 39.0 | 266.0 | 51.3 | 3.1 | 111.0 |
| SBD250173 | SBDH25062 | 16.0 | 18.0 | 28.0 | 52.5 | 6.5 | 24.6 | 4.3 | 1.0 | 4.1 | 0.7 | 4.1 | 0.9 | 2.5 | 0.4 | 2.9 | 0.4 | 27.2 | 160.0 | 31.1 | 2.5 | 63.0 |
| SBD250174 | SBDH25062 | 18.0 | 21.0 | 42.8 | 85.6 | 9.5 | 34.3 | 6.4 | 1.2 | 5.5 | 0.9 | 5.5 | 1.2 | 3.2 | 0.5 | 3.2 | 0.5 | 34.0 | 234.2 | 43.8 | 4.5 | 110.0 |
| SBD250175 | SBDH25062 | 21.0 | 24.0 | 47.6 | 96.3 | 10.8 | 36.9 | 7.1 | 1.3 | 6.2 | 1.0 | 6.1 | 1.2 | 3.7 | 0.5 | 3.3 | 0.6 | 36.8 | 259.4 | 47.6 | 5.6 | 124.0 |
| SBD250177 | SBDH25062 | 24.0 | 26.0 | 46.8 | 95.6 | 10.1 | 38.0 | 7.0 | 1.4 | 6.4 | 1.0 | 6.8 | 1.4 | 4.3 | 0.6 | 4.2 | 0.6 | 38.5 | 262.6 | 48.1 | 5.8 | 134.0 |
| SBD250178 | SBDH25062 | 26.0 | 29.0 | 42.5 | 84.3 | 9.4 | 32.5 | 6.7 | 1.4 | 6.1 | 1.0 | 6.0 | 1.2 | 3.7 | 0.5 | 3.4 | 0.6 | 33.3 | 232.4 | 41.9 | 5.3 | 129.0 |
| SBD250179 | SBDH25062 | 29.0 | 31.0 | 43.0 | 91.6 | 9.6 | 34.3 | 6.6 | 1.3 | 5.7 | 1.0 | 5.7 | 1.1 | 3.5 | 0.5 | 3.5 | 0.5 | 33.0 | 240.9 | 43.9 | 4.3 | 141.0 |
| SBD250180 | SBDH25062 | 31.0 | 33.0 | 35.2 | 64.7 | 8.3 | 28.5 | 5.6 | 1.1 | 4.9 | 0.8 | 4.5 | 0.8 | 2.6 | 0.4 | 2.7 | 0.4 | 25.5 | 186.1 | 36.8 | 3.5 | 92.0 |
| SBD250181 | SBDH25062 | 33.0 | 36.0 | 28.7 | 52.0 | 6.7 | 23.7 | 4.6 | 0.9 | 3.7 | 0.6 | 3.7 | 0.7 | 1.9 | 0.3 | 2.1 | 0.3 | 20.8 | 150.6 | 30.3 | 3.0 | 74.0 |
| SBD250182 | SBDH25062 | 36.0 | 39.0 | 17.4 | 34.3 | 4.1 | 14.5 | 2.7 | 0.7 | 2.3 | 0.4 | 2.3 | 0.5 | 1.6 | 0.2 | 1.6 | 0.2 | 14.5 | 97.1 | 18.5 | 3.8 | 68.0 |
| SBD250183 | SBDH25067 | 6.0 | 9.0 | 47.4 | 100.1 | 11.1 | 40.7 | 7.4 | 1.2 | 6.1 | 0.9 | 5.9 | 1.1 | 3.1 | 0.5 | 3.5 | 0.4 | 37.5 | 267.0 | 51.8 | 2.9 | 76.0 |
| SBD250184 | SBDH25067 | 9.0 | 12.0 | 45.0 | 95.8 | 10.8 | 38.6 | 8.0 | 1.2 | 6.3 | 1.0 | 6.1 | 1.3 | 3.4 | 0.6 | 3.7 | 0.5 | 41.1 | 263.5 | 49.4 | 3.3 | 95.0 |
| SBD250185 | SBDH25067 | 12.0 | 15.0 | 49.8 | 103.7 | 11.7 | 41.5 | 7.3 | 1.4 | 6.8 | 1.2 | 6.9 | 1.3 | 4.2 | 0.6 | 4.0 | 0.6 | 40.5 | 281.4 | 53.2 | 5.0 | 103.0 |
| SBD250186 | SBDH25067 | 15.0 | 17.0 | 49.8 | 102.7 | 11.7 | 42.6 | 7.7 | 1.6 | 6.9 | 1.1 | 6.5 | 1.3 | 4.1 | 0.5 | 3.7 | 0.6 | 39.4 | 280.1 | 54.3 | 5.2 | 104.0 |
| SBD250187 | SBDH25067 | 17.0 | 18.0 | 27.4 | 54.2 | 6.2 | 21.5 | 4.2 | 0.9 | 4.0 | 0.7 | 4.3 | 0.9 | 2.8 | 0.4 | 2.7 | 0.4 | 26.3 | 156.7 | 27.6 | 3.1 | 60.0 |
| SBD250188 | SBDH25067 | 18.0 | 20.0 | 44.9 | 91.9 | 10.3 | 38.3 | 6.7 | 1.3 | 6.3 | 1.0 | 6.2 | 1.1 | 3.5 | 0.5 | 3.3 | 0.5 | 35.8 | 251.5 | 48.5 | 5.0 | 111.0 |
| SBD250189 | SBDH25067 | 20.0 | 23.0 | 46.9 | 97.7 | 10.6 | 36.5 | 6.8 | 1.2 | 6.8 | 1.0 | 6.3 | 1.2 | 3.7 | 0.5 | 3.9 | 0.5 | 35.8 | 259.5 | 47.1 | 5.0 | 119.0 |
| SBD250190 | SBDH25067 | 23.0 | 25.0 | 45.5 | 92.4 | 10.0 | 34.8 | 6.6 | 1.4 | 6.2 | 1.0 | 6.0 | 1.2 | 3.8 | 0.5 | 3.7 | 0.6 | 33.9 | 247.6 | 44.8 | 4.4 | 124.0 |
| SBD250191 | SBDH25067 | 25.0 | 27.0 | 48.2 | 90.2 | 11.4 | 42.2 | 8.0 | 1.7 | 7.3 | 1.2 | 6.7 | 1.4 | 3.9 | 0.6 | 3.7 | 0.6 | 38.2 | 265.3 | 53.7 | 4.1 | 133.0 |
| SBD250192 | SBDH25067 | 27.0 | 30.0 | 38.1 | 74.4 | 7.9 | 26.8 | 5.0 | 0.9 | 4.8 | 0.7 | 4.5 | 0.9 | 2.5 | 0.4 | 2.4 | 0.4 | 24.4 | 194.4 | 34.8 | 3.6 | 102.0 |
| SBD250193 | SBDH25067 | 30.0 | 32.0 | 23.5 | 42.0 | 5.4 | 18.3 | 3.3 | 0.8 | 3.0 | 0.5 | 3.3 | 0.6 | 1.8 | 0.3 | 1.8 | 0.3 | 16.3 | 121.0 | 23.7 | 4.0 | 71.0 |
| SBD250194 | SBDH25059 | 3.0 | 6.0 | 34.9 | 71.2 | 8.0 | 30.6 | 5.4 | 1.0 | 4.9 | 0.8 | 5.0 | 1.1 | 3.3 | 0.4 | 3.0 | 0.5 | 30.6 | 200.7 | 38.6 | 2.7 | 71.0 |
| SBD250195 | SBDH25059 | 6.0 | 9.0 | 23.7 | 46.2 | 5.3 | 18.9 | 3.7 | 0.6 | 3.1 | 0.5 | 3.5 | 0.6 | 2.2 | 0.3 | 2.1 | 0.3 | 21.1 | 132.3 | 24.2 | 2.2 | 46.0 |
| SBD250196 | SBDH25059 | 9.0 | 12.0 | 29.6 | 58.2 | 7.1 | 24.6 | 4.6 | 0.9 | 3.7 | 0.6 | 4.2 | 0.8 | 2.3 | 0.4 | 2.6 | 0.4 | 24.8 | 164.8 | 31.7 | 3.1 | 66.0 |
| SBD250197 | SBDH25059 | 12.0 | 15.0 | 31.1 | 63.0 | 7.8 | 27.8 | 5.4 | 1.0 | 4.9 | 0.8 | 4.7 | 1.0 | 3.0 | 0.4 | 2.8 | 0.4 | 28.8 | 182.7 | 35.5 | 4.2 | 75.0 |
| SBD250198 | SBDH25059 | 15.0 | 18.0 | 27.9 | 57.7 | 6.4 | 22.9 | 4.6 | 0.7 | 3.9 | 0.7 | 4.3 | 0.8 | 2.6 | 0.4 | 2.5 | 0.4 | 25.4 | 161.1 | 29.2 | 3.4 | 73.0 |
| SBD250199 | SBDH25059 | 18.0 | 21.0 | 25.4 | 50.0 | 5.8 | 20.9 | 4.0 | 0.8 | 3.7 | 0.6 | 3.9 | 0.8 | 2.5 | 0.3 | 2.2 | 0.4 | 22.2 | 143.5 | 26.7 | 2.6 | 76.0 |
| SBD250200 | SBDH25059 | 21.0 | 24.0 | 45.3 | 88.7 | 10.6 | 37.6 | 6.9 | 1.4 | 5.7 | 1.0 | 6.1 | 1.2 | 3.6 | 0.5 | 3.4 | 0.7 | 36.1 | 248.8 | 48.2 | 4.5 | 126.0 |
| SBD250201 | SBDH25059 | 24.0 | 27.0 | 44.7 | 89.2 | 9.6 | 32.9 | 6.2 | 1.3 | 5.6 | 0.9 | 5.8 | 1.2 | 3.7 | 0.5 | 3.3 | 0.5 | 33.1 | 238.5 | 42.4 | 3.9 | 136.0 |
| SBD250202 | SBDH25059 | 27.0 | 30.0 | 39.8 | 75.7 | 8.3 | 28.6 | 5.1 | 1.0 | 4.6 | 0.7 | 4.7 | 0.9 | 3.1 | 0.4 | 2.6 | 0.5 | 25.7 | 201.6 | 36.8 | 3.1 | 107.0 |
| SBD250203 | SBDH25059 | 30.0 | 32.0 | 15.6 | 27.1 | 3.7 | 13.2 | 2.5 | 0.6 | 2.2 | 0.3 | 2.2 | 0.5 | 1.3 | 0.2 | 1.3 | 0.2 | 12.3 | 83.2 | 16.8 | 2.4 | 56.0 |
| SBD250204 | SBDH25054 | 9.0 | 12.0 | 39.9 | 81.6 | 9.1 | 33.4 | 6.1 | 1.1 | 5.3 | 0.8 | 5.5 | 1.1 | 3.2 | 0.5 | 3.0 | 0.5 | 32.0 | 223.1 | 42.5 | 4.3 | 94.0 |
| SBD250206 | SBDH25054 | 12.0 | 15.0 | 34.5 | 70.8 | 7.8 | 28.1 | 5.8 | 0.9 | 5.1 | 0.8 | 5.4 | 1.1 | 3.1 | 0.5 | 3.4 | 0.5 | 32.0 | 199.8 | 35.9 | 3.7 | 73.0 |
| SBD250207 | SBDH25054 | 15.0 | 18.0 | 34.5 | 67.7 | 7.6 | 27.2 | 5.1 | 1.1 | 4.9 | 0.7 | 5.1 | 1.0 | 3.1 | 0.5 | 3.0 | 0.5 | 31.5 | 193.2 | 34.8 | 3.8 | 85.0 |
| SBD250208 | SBDH25054 | 18.0 | 21.0 | 37.9 | 74.9 | 8.4 | 29.7 | 5.4 | 1.1 | 5.0 | 0.8 | 5.2 | 1.0 | 3.1 | 0.4 | 3.0 | 0.5 | 30.7 | 207.2 | 38.2 | 4.6 | 101.0 |
| SBD250209 | SBDH25054 | 21.0 | 24.0 | 47.1 | 96.7 | 10.7 | 38.1 | 7.0 | 1.4 | 6.2 | 1.0 | 6.5 | 1.3 | 4.0 | 0.5 | 3.8 | 0.6 | 38.7 | 263.6 | 48.8 | 5.7 | 132.0 |
| SBD250210 | SBDH25054 | 24.0 | 27.0 | 45.3 | 91.1 | 9.9 | 34.9 | 7.5 | 1.3 | 5.9 | 0.9 | 5.9 | 1.3 | 3.6 | 0.5 | 3.5 | 0.6 | 34.9 | 247.0 | 44.7 | 5.3 | 142.0 |
| SBD250211 | SBDH25054 | 27.0 | 30.0 | 45.4 | 92.3 | 10.0 | 36.3 | 7.3 | 1.4 | 5.8 | 0.9 | 5.4 | 1.2 | 3.5 | 0.5 | 3.3 | 0.6 | 33.8 | 247.5 | 46.2 | 4.4 | 154.0 |
| SBD250212 | SBDH25054 | 30.0 | 33.0 | 33.7 | 64.5 | 7.5 | 27.6 | 5.4 | 1.1 | 4.8 | 0.7 | 4.9 | 0.9 | 2.9 | 0.4 | 2.5 | 0.4 | 26.3 | 183.7 | 35.1 | 2.9 | 91.0 |
| SBD250213 | SBDH25054 | 33.0 | 35.0 | 16.9 | 31.9 | 4.1 | 16.1 | 3.1 | 0.7 | 2.7 | 0.4 | 2.4 | 0.5 | 1.6 | 0.2 | 1.5 | 0.3 | 15.2 | 97.5 | 20.2 | 1.6 | 48.0 |
| SBD250214 | SBDH25053 | 7.0 | 10.0 | 35.5 | 77.8 | 8.4 | 29.5 | 5.5 | 1.0 | 4.8 | 0.8 | 5.3 | 1.0 | 3.1 | 0.4 | 3.1 | 0.5 | 31.0 | 207.7 | 37.9 | 2.7 | 68.0 |
| SBD250215 | SBDH25053 | 10.0 | 13.0 | 41.5 | 80.7 | 9.8 | 34.3 | 6.4 | 1.3 | 5.9 | 0.9 | 6.0 | 1.2 | 3.5 | 0.5 | 3.5 | 0.5 | 35.8 | 231.8 | 44.1 | 2.7 | 85.0 |
| SBD250216 | SBDH25053 | 13.0 | 16.0 | 43.7 | 92.0 | 9.8 | 35.0 | 6.4 | 1.2 | 5.8 | 0.9 | 5.7 | 1.2 | 3.4 | 0.5 | 3.4 | 0.6 | 36.2 | 245.8 | 44.8 | 3.3 | 100.0 |
| SBD250217 | SBDH25053 | 16.0 | 19.0 | 40.1 | 81.6 | 9.3 | 32.5 | 6.7 | 1.2 | 5.5 | 0.8 | 5.5 | 1.0 | 3.2 | 0.5 | 2.9 | 0.5 | 31.2 | 222.6 | 41.8 | 3.3 | 92.0 |
| SBD250218 | SBDH25053 | 19.0 | 22.0 | 44.6 | 87.0 | 9.9 | 37.0 | 6.8 | 1.2 | 5.8 | 0.9 | 5.4 | 1.1 | 3.3 | 0.5 | 3.5 | 0.5 | 33.7 | 241.1 | 46.9 | 3.7 | 117.0 |
| SBD250219 | SBDH25053 | 22.0 | 25.0 | 23.5 | 46.9 | 5.3 | 19.1 | 3.9 | 0.8 | 3.1 | 0.6 | 3.3 | 0.7 | 1.9 | 0.3 | 2.2 | 0.4 | 21.0 | 132.9 | 24.4 | 2.5 | 66.0 |
| SBD250221 | SBDH25053 | 25.0 | 28.0 | 42.9 | 92.1 | 10.4 | 37.8 | 7.0 | 1.3 | 6.4 | 1.0 | 5.9 | 1.3 | 3.8 | 0.6 | 3.8 | 0.6 | 38.2 | 253.1 | 48.1 | 4.6 | 138.0 |
| SBD250222 | SBDH25053 | 28.0 | 31.0 | 43.6 | 94.2 | 10.1 | 36.6 | 6.7 | 1.4 | 5.9 | 1.0 | 6.2 | 1.1 | 3.4 | 0.6 | 3.7 | 0.5 | 35.3 | 250.3 | 46.7 | 3.7 | 120.0 |
| SBD250223 | SBDH25053 | 31.0 | 34.0 | 34.8 | 77.8 | 7.9 | 30.0 | 5.6 | 1.0 | 5.1 | 0.8 | 5.1 | 1.0 | 3.4 | 0.5 | 3.2 | 0.5 | 31.4 | 208.0 | 37.9 | 3.3 | 113.0 |
| SBD250224 | SBDH25053 | 34.0 | 37.0 | 41.0 | 84.4 | 8.7 | 30.6 | 5.8 | 1.2 | 5.1 | 0.8 | 5.0 | 1.0 | 3.1 | 0.4 | 3.3 | 0.5 | 30.2 | 221.1 | 39.3 | 4.4 | 188.0 |
| SBD250225 | SBDH25053 | 37.0 | 41.0 | 30.8 | 75.2 | 7.3 | 26.0 | 5.6 | 1.1 | 4.7 | 0.8 | 4.7 | 1.0 | 3.2 | 0.5 | 3.0 | 0.4 | 30.4 | 194.6 | 33.3 | 3.2 | 113.0 |
| SBD250226 | SBDH25063 | 10.0 | 13.0 | 34.5 | 68.8 | 7.9 | 28.1 | 5.3 | 0.9 | 4.7 | 0.8 | 4.5 | 0.9 | 2.8 | 0.4 | 2.6 | 0.4 | 27.2 | 189.8 | 36.0 | 2.4 | 59.0 |
| SBD250227 | SBDH25063 | 13.0 | 16.0 | 43.3 | 79.4 | 10.2 | 36.7 | 6.5 | 1.2 | 5.6 | 0.9 | 5.1 | 1.0 | 3.1 | 0.5 | 2.7 | 0.4 | 33.4 | 229.8 | 46.9 | 2.3 | 65.0 |
| SBD250228 | SBDH25063 | 16.0 | 19.0 | 31.1 | 69.8 | 7.3 | 26.7 | 5.2 | 0.9 | 4.1 | 0.6 | 4.1 | 0.7 | 2.6 | 0.3 | 2.3 | 0.4 | 24.4 | 180.6 | 34.0 | 1.9 | 58.0 |
| SBD250229 | SBDH25063 | 19.0 | 22.0 | 41.5 | 82.3 | 9.0 | 33.0 | 6.5 | 1.2 | 5.7 | 0.8 | 5.2 | 1.0 | 3.2 | 0.4 | 2.8 | 0.5 | 30.7 | 223.8 | 42.0 | 2.1 | 89.0 |
| SBD250230 | SBDH25063 | 22.0 | 25.0 | 39.1 | 74.4 | 8.8 | 32.4 | 5.7 | 1.1 | 5.0 | 0.8 | 5.0 | 1.0 | 3.0 | 0.4 | 2.7 | 0.5 | 29.1 | 208.9 | 41.2 | 2.1 | 99.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250231 | SBDH25063 | 25.0 | 28.0 | 34.1 | 65.5 | 7.8 | 29.0 | 5.1 | 1.0 | 5.0 | 0.7 | 4.6 | 0.9 | 2.8 | 0.4 | 2.6 | 0.3 | 27.6 | 187.5 | 36.9 | 2.0 | 99.0 |
| SBD250232 | SBDH25063 | 28.0 | 31.0 | 40.2 | 81.9 | 9.8 | 37.0 | 6.4 | 1.5 | 6.6 | 1.0 | 5.9 | 1.2 | 3.6 | 0.5 | 3.3 | 0.5 | 37.1 | 236.5 | 46.8 | 2.8 | 111.0 |
| SBD250233 | SBDH25063 | 31.0 | 34.0 | 34.1 | 71.6 | 8.0 | 28.2 | 5.7 | 1.2 | 5.3 | 0.9 | 5.0 | 1.0 | 3.0 | 0.4 | 2.9 | 0.5 | 28.4 | 196.3 | 36.2 | 3.1 | 110.0 |
| SBD250234 | SBDH25063 | 34.0 | 37.0 | 26.9 | 73.3 | 6.4 | 22.6 | 4.6 | 1.0 | 4.3 | 0.7 | 4.4 | 0.8 | 2.5 | 0.4 | 2.8 | 0.4 | 23.9 | 175.0 | 29.1 | 2.9 | 135.0 |
| SBD250235 | SBDH25063 | 37.0 | 40.0 | 35.5 | 84.6 | 8.6 | 31.4 | 6.1 | 1.2 | 5.8 | 0.8 | 5.6 | 1.0 | 3.2 | 0.5 | 2.9 | 0.5 | 32.3 | 220.0 | 40.0 | 3.4 | 157.0 |
| SBD250236 | SBDH25063 | 40.0 | 43.0 | 40.8 | 89.4 | 9.7 | 35.3 | 7.1 | 1.4 | 6.1 | 1.0 | 6.1 | 1.2 | 3.6 | 0.5 | 3.4 | 0.5 | 34.8 | 241.1 | 45.1 | 3.1 | 127.0 |
| SBD250237 | SBDH25063 | 43.0 | 46.0 | 36.5 | 67.8 | 8.9 | 33.6 | 6.0 | 1.3 | 5.5 | 0.8 | 5.0 | 1.0 | 3.1 | 0.4 | 3.0 | 0.4 | 30.0 | 203.3 | 42.5 | 2.9 | 107.0 |
| SBD250238 | SBDH25063 | 46.0 | 49.0 | 32.7 | 62.9 | 7.1 | 24.5 | 5.0 | 1.0 | 4.2 | 0.7 | 4.3 | 0.9 | 2.8 | 0.4 | 2.9 | 0.5 | 24.6 | 174.6 | 31.6 | 3.6 | 111.0 |
| SBD250241 | SBDH25058 | 7.0 | 10.0 | 45.9 | 86.4 | 10.8 | 41.4 | 7.2 | 1.4 | 5.5 | 0.9 | 5.4 | 1.1 | 3.3 | 0.5 | 3.5 | 0.5 | 34.2 | 248.0 | 52.2 | 2.8 | 80.0 |
| SBD250242 | SBDH25058 | 10.0 | 13.0 | 42.2 | 78.2 | 9.9 | 35.2 | 6.3 | 1.1 | 5.2 | 0.8 | 5.1 | 1.1 | 3.1 | 0.5 | 2.9 | 0.5 | 33.8 | 225.9 | 45.1 | 2.6 | 75.0 |
| SBD250243 | SBDH25058 | 13.0 | 16.0 | 43.4 | 84.9 | 9.8 | 36.7 | 6.5 | 1.2 | 5.2 | 0.9 | 5.2 | 1.0 | 2.9 | 0.5 | 2.9 | 0.4 | 33.3 | 234.8 | 46.5 | 2.4 | 76.0 |
| SBD250244 | SBDH25058 | 16.0 | 19.0 | 35.3 | 69.9 | 7.9 | 29.2 | 5.7 | 1.1 | 4.5 | 0.7 | 4.7 | 0.9 | 2.8 | 0.4 | 2.6 | 0.4 | 29.3 | 195.5 | 37.1 | 2.0 | 75.0 |
| SBD250245 | SBDH25058 | 19.0 | 22.0 | 34.6 | 66.9 | 8.0 | 28.7 | 5.5 | 1.1 | 4.5 | 0.7 | 4.8 | 0.9 | 2.5 | 0.4 | 2.6 | 0.4 | 28.2 | 189.8 | 36.7 | 2.1 | 82.0 |
| SBD250246 | SBDH25058 | 22.0 | 25.0 | 43.5 | 82.3 | 10.0 | 37.4 | 6.8 | 1.3 | 5.6 | 0.9 | 5.4 | 1.2 | 3.1 | 0.5 | 3.2 | 0.5 | 34.8 | 236.4 | 47.4 | 2.6 | 107.0 |
| SBD250247 | SBDH25058 | 25.0 | 28.0 | 33.4 | 77.0 | 8.0 | 30.1 | 5.7 | 1.0 | 4.4 | 0.8 | 4.6 | 0.9 | 2.8 | 0.4 | 2.8 | 0.4 | 28.2 | 200.7 | 38.1 | 2.3 | 100.0 |
| SBD250248 | SBDH25058 | 28.0 | 31.0 | 38.9 | 89.7 | 9.8 | 36.6 | 7.3 | 1.5 | 5.7 | 0.9 | 5.9 | 1.1 | 3.3 | 0.5 | 3.2 | 0.5 | 36.1 | 241.0 | 46.4 | 2.6 | 123.0 |
| SBD250249 | SBDH25058 | 31.0 | 34.0 | 37.3 | 81.1 | 8.8 | 33.5 | 6.5 | 1.3 | 5.3 | 0.9 | 5.3 | 1.1 | 3.2 | 0.4 | 3.1 | 0.5 | 34.2 | 222.5 | 42.3 | 3.1 | 135.0 |
| SBD250250 | SBDH25058 | 34.0 | 37.0 | 34.1 | 76.8 | 7.5 | 26.7 | 5.2 | 1.0 | 4.2 | 0.8 | 4.6 | 1.0 | 2.8 | 0.4 | 2.9 | 0.4 | 28.8 | 197.1 | 34.2 | 3.1 | 138.0 |
| SBD250251 | SBDH25058 | 37.0 | 40.0 | 34.9 | 71.0 | 8.1 | 30.3 | 6.2 | 1.1 | 4.9 | 0.8 | 4.8 | 0.9 | 2.7 | 0.5 | 2.9 | 0.4 | 30.2 | 199.7 | 38.4 | 3.3 | 121.0 |
| SBD250252 | SBDH25058 | 40.0 | 43.0 | 39.4 | 87.5 | 9.1 | 33.5 | 6.9 | 1.3 | 5.0 | 0.9 | 5.2 | 1.1 | 3.1 | 0.5 | 3.3 | 0.4 | 32.1 | 229.2 | 42.6 | 3.5 | 145.0 |
| SBD250253 | SBDH25058 | 43.0 | 46.0 | 29.0 | 66.1 | 6.9 | 23.7 | 5.1 | 1.0 | 4.2 | 0.7 | 4.4 | 1.0 | 2.9 | 0.4 | 3.0 | 0.3 | 28.7 | 177.3 | 30.6 | 2.9 | 114.0 |
| SBD250254 | SBDH25058 | 46.0 | 50.0 | 38.0 | 90.3 | 8.7 | 33.5 | 6.7 | 1.5 | 5.7 | 1.0 | 5.6 | 1.2 | 3.3 | 0.5 | 3.2 | 0.5 | 35.6 | 235.2 | 42.2 | 3.4 | 149.0 |
| SBD250255 | SBDH25055 | 7.0 | 10.0 | 53.5 | 95.1 | 12.2 | 45.8 | 7.9 | 1.4 | 6.1 | 1.1 | 5.9 | 1.1 | 3.8 | 0.5 | 3.3 | 0.6 | 37.8 | 276.1 | 58.0 | 2.6 | 90.0 |
| SBD250256 | SBDH25055 | 10.0 | 13.0 | 44.7 | 91.6 | 10.5 | 38.1 | 7.6 | 1.4 | 5.7 | 1.0 | 5.6 | 1.2 | 3.5 | 0.5 | 3.1 | 0.4 | 36.1 | 251.0 | 48.6 | 2.5 | 77.0 |
| SBD250257 | SBDH25055 | 13.0 | 16.0 | 48.9 | 105.8 | 11.8 | 43.4 | 7.9 | 1.4 | 6.5 | 1.1 | 6.0 | 1.3 | 3.7 | 0.5 | 3.4 | 0.5 | 40.4 | 282.4 | 55.1 | 2.8 | 91.0 |
| SBD250258 | SBDH25055 | 16.0 | 19.0 | 49.5 | 98.3 | 11.8 | 42.9 | 8.0 | 1.5 | 6.5 | 1.0 | 5.8 | 1.2 | 3.5 | 0.5 | 3.3 | 0.5 | 38.0 | 272.3 | 54.7 | 2.7 | 101.0 |
| SBD250259 | SBDH25055 | 19.0 | 22.0 | 44.3 | 87.1 | 10.5 | 38.4 | 7.2 | 1.4 | 5.8 | 0.9 | 5.5 | 1.1 | 3.1 | 0.5 | 3.2 | 0.5 | 35.4 | 244.7 | 48.9 | 2.5 | 101.0 |
| SBD250260 | SBDH25055 | 22.0 | 25.0 | 39.1 | 80.6 | 9.1 | 33.1 | 6.1 | 1.1 | 4.7 | 0.7 | 4.9 | 1.0 | 2.6 | 0.5 | 3.1 | 0.4 | 31.9 | 218.9 | 42.2 | 2.4 | 105.0 |
| SBD250261 | SBDH25055 | 25.0 | 28.0 | 36.0 | 77.4 | 7.9 | 28.8 | 5.5 | 1.0 | 4.6 | 0.7 | 4.3 | 0.9 | 2.6 | 0.4 | 2.8 | 0.4 | 26.9 | 200.2 | 36.7 | 2.5 | 112.0 |
| SBD250262 | SBDH25055 | 28.0 | 31.0 | 30.6 | 80.5 | 7.5 | 28.8 | 5.3 | 1.0 | 4.7 | 0.7 | 4.3 | 0.9 | 2.7 | 0.4 | 2.6 | 0.4 | 28.2 | 198.6 | 36.3 | 2.3 | 106.0 |
| SBD250263 | SBDH25055 | 31.0 | 34.0 | 29.3 | 61.9 | 6.4 | 22.9 | 4.9 | 0.9 | 3.6 | 0.6 | 4.0 | 0.8 | 2.6 | 0.4 | 2.6 | 0.4 | 24.6 | 166.0 | 29.3 | 2.8 | 122.0 |
| SBD250264 | SBDH25055 | 34.0 | 37.0 | 42.9 | 100.2 | 10.3 | 36.3 | 7.0 | 1.4 | 5.9 | 0.9 | 5.9 | 1.2 | 3.5 | 0.5 | 3.8 | 0.5 | 37.3 | 257.8 | 46.5 | 3.7 | 164.0 |
| SBD250266 | SBDH25055 | 37.0 | 40.0 | 43.7 | 104.2 | 10.2 | 37.7 | 7.5 | 1.5 | 5.8 | 0.9 | 5.6 | 1.1 | 3.4 | 0.5 | 3.4 | 0.5 | 36.2 | 262.3 | 47.9 | 3.7 | 163.0 |
| SBD250267 | SBDH25055 | 40.0 | 43.0 | 30.1 | 68.8 | 7.3 | 27.5 | 5.4 | 1.1 | 4.4 | 0.8 | 4.3 | 0.9 | 2.7 | 0.4 | 2.9 | 0.4 | 29.1 | 186.1 | 34.8 | 3.1 | 120.0 |
| SBD250268 | SBDH25055 | 43.0 | 46.0 | 26.7 | 65.0 | 6.3 | 23.0 | 4.2 | 0.9 | 3.6 | 0.6 | 3.9 | 0.8 | 2.5 | 0.4 | 2.8 | 0.5 | 25.1 | 166.4 | 29.3 | 2.8 | 126.0 |
| SBD250269 | SBDH25055 | 46.0 | 49.0 | 31.7 | 68.9 | 7.5 | 26.6 | 5.0 | 1.1 | 4.6 | 0.7 | 4.3 | 0.8 | 2.6 | 0.3 | 2.5 | 0.4 | 26.0 | 183.2 | 34.1 | 2.8 | 118.0 |
| SBD250270 | SBDH25055 | 49.0 | 52.0 | 31.3 | 63.8 | 7.1 | 23.3 | 5.0 | 0.9 | 4.1 | 0.7 | 4.3 | 0.9 | 2.8 | 0.4 | 2.5 | 0.4 | 25.4 | 173.0 | 30.4 | 3.1 | 118.0 |
| SBD250271 | SBDH25055 | 52.0 | 55.0 | 16.8 | 42.4 | 3.9 | 12.4 | 2.6 | 0.6 | 2.5 | 0.5 | 2.9 | 0.7 | 2.4 | 0.3 | 2.2 | 0.4 | 19.3 | 109.8 | 16.3 | 2.6 | 102.0 |
| SBD250272 | SBDH25055 | 55.0 | 58.0 | 13.1 | 42.3 | 3.1 | 10.0 | 2.0 | 0.5 | 2.1 | 0.4 | 3.0 | 0.7 | 1.9 | 0.3 | 2.5 | 0.4 | 17.9 | 100.2 | 13.1 | 2.7 | 96.0 |
| SBD250274 | SBDH25055 | 58.0 | 59.0 | 27.4 | 50.1 | 5.7 | 17.3 | 3.1 | 0.6 | 2.9 | 0.6 | 3.5 | 0.7 | 2.0 | 0.4 | 2.8 | 0.4 | 21.2 | 138.7 | 23.0 | 2.8 | 86.0 |
| SBD250275 | SBDH25061 | 1.0 | 4.0 | 45.5 | 86.1 | 9.9 | 35.3 | 6.6 | 1.2 | 5.8 | 0.9 | 4.9 | 1.0 | 3.5 | 0.5 | 3.1 | 0.5 | 34.9 | 239.7 | 45.2 | 1.9 | 83.0 |
| SBD250276 | SBDH25061 | 4.0 | 7.0 | 61.3 | 155.4 | 14.6 | 49.6 | 10.1 | 1.7 | 8.4 | 1.3 | 7.3 | 1.5 | 4.5 | 0.6 | 3.9 | 0.5 | 47.1 | 367.7 | 64.1 | 2.0 | 82.0 |
| SBD250277 | SBDH25061 | 7.0 | 10.0 | 65.3 | 112.6 | 14.9 | 54.5 | 8.5 | 1.3 | 8.1 | 1.2 | 7.3 | 1.3 | 4.0 | 0.5 | 3.3 | 0.6 | 43.8 | 327.5 | 69.4 | 1.9 | 50.0 |
| SBD250278 | SBDH25061 | 10.0 | 13.0 | 41.3 | 86.5 | 9.4 | 30.8 | 5.8 | 1.2 | 5.2 | 0.9 | 5.4 | 1.1 | 3.5 | 0.4 | 3.3 | 0.4 | 33.4 | 228.5 | 40.2 | 2.2 | 45.0 |
| SBD250279 | SBDH25061 | 13.0 | 16.0 | 40.2 | 85.0 | 8.8 | 33.8 | 6.0 | 1.0 | 5.1 | 0.8 | 5.4 | 1.1 | 2.9 | 0.5 | 2.9 | 0.5 | 33.9 | 228.0 | 42.6 | 2.6 | 63.0 |
| SBD250280 | SBDH25061 | 16.0 | 19.0 | 44.7 | 99.4 | 10.3 | 36.6 | 6.9 | 1.3 | 6.0 | 1.0 | 5.3 | 1.1 | 3.3 | 0.5 | 3.0 | 0.5 | 34.4 | 254.2 | 47.0 | 2.9 | 81.0 |
| SBD250281 | SBDH25061 | 19.0 | 22.0 | 41.4 | 91.4 | 9.5 | 31.3 | 6.5 | 1.2 | 5.8 | 0.9 | 5.0 | 1.1 | 3.3 | 0.5 | 3.0 | 0.5 | 32.4 | 233.6 | 40.7 | 3.0 | 97.0 |
| SBD250282 | SBDH25061 | 22.0 | 25.0 | 45.7 | 91.3 | 10.5 | 35.9 | 7.0 | 1.3 | 6.3 | 1.0 | 5.8 | 1.2 | 3.6 | 0.5 | 3.1 | 0.5 | 37.3 | 251.0 | 46.4 | 3.0 | 105.0 |
| SBD250283 | SBDH25061 | 25.0 | 28.0 | 37.3 | 76.5 | 8.6 | 29.6 | 5.9 | 1.4 | 5.8 | 0.9 | 4.8 | 1.1 | 3.7 | 0.5 | 3.3 | 0.5 | 34.3 | 214.2 | 38.2 | 3.1 | 105.0 |
| SBD250284 | SBDH25061 | 28.0 | 31.0 | 41.2 | 77.9 | 9.1 | 32.0 | 6.3 | 1.2 | 5.7 | 1.0 | 5.8 | 1.1 | 3.8 | 0.6 | 3.5 | 0.5 | 37.8 | 227.3 | 41.1 | 3.6 | 107.0 |
| SBD250285 | SBDH25061 | 31.0 | 34.0 | 24.4 | 49.3 | 5.6 | 19.1 | 4.0 | 0.7 | 3.5 | 0.6 | 3.4 | 0.6 | 2.1 | 0.3 | 2.2 | 0.3 | 21.1 | 137.2 | 24.7 | 2.8 | 118.0 |
| SBD250286 | SBDH25061 | 34.0 | 37.0 | 36.4 | 73.2 | 8.3 | 27.6 | 5.6 | 1.0 | 5.2 | 0.9 | 5.3 | 1.1 | 3.3 | 0.5 | 3.2 | 0.5 | 33.0 | 205.1 | 35.9 | 3.4 | 104.0 |
| SBD250287 | SBDH25061 | 37.0 | 40.0 | 30.1 | 61.3 | 7.4 | 24.3 | 5.3 | 1.0 | 4.2 | 0.8 | 4.2 | 0.9 | 2.8 | 0.5 | 2.6 | 0.4 | 27.3 | 172.9 | 31.7 | 3.0 | 112.0 |
| SBD250288 | SBDH25061 | 40.0 | 43.0 | 23.0 | 45.0 | 5.2 | 17.7 | 3.5 | 0.7 | 3.4 | 0.5 | 3.5 | 0.8 | 2.3 | 0.4 | 2.5 | 0.4 | 22.7 | 131.7 | 22.9 | 2.7 | 80.0 |
| SBD250289 | SBDH25061 | 43.0 | 46.0 | 21.5 | 42.7 | 4.8 | 16.3 | 3.2 | 0.6 | 3.0 | 0.6 | 3.2 | 0.7 | 2.4 | 0.4 | 2.4 | 0.4 | 21.7 | 124.0 | 21.2 | 2.6 | 83.0 |
| SBD250290 | SBDH25061 | 46.0 | 50.0 | 30.5 | 53.9 | 5.5 | 17.5 | 3.0 | 0.6 | 2.7 | 0.5 | 3.0 | 0.7 | 2.1 | 0.4 | 2.3 | 0.4 | 18.7 | 141.8 | 23.0 | 3.1 | 113.0 |
| SBD250291 | SBDH25065 | 16.0 | 19.0 | 43.7 | 92.6 | 10.1 | 33.7 | 6.9 | 1.1 | 5.7 | 1.0 | 5.6 | 1.1 | 3.5 | 0.5 | 3.6 | 0.5 | 35.4 | 245.1 | 43.9 | 2.9 | 66.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250292 | SBDH25065 | 19.0 | 22.0 | 36.7 | 79.8 | 8.3 | 26.5 | 5.2 | 1.0 | 4.5 | 0.8 | 4.5 | 0.9 | 3.1 | 0.4 | 2.9 | 0.4 | 29.7 | 204.7 | 34.8 | 2.7 | 89.0 |
| SBD250293 | SBDH25065 | 22.0 | 25.0 | 35.3 | 73.5 | 8.3 | 27.4 | 5.2 | 1.0 | 4.6 | 0.8 | 4.2 | 0.9 | 2.8 | 0.5 | 2.8 | 0.4 | 29.3 | 197.0 | 35.7 | 2.7 | 81.0 |
| SBD250294 | SBDH25065 | 25.0 | 28.0 | 34.8 | 73.2 | 7.9 | 25.4 | 5.3 | 0.9 | 4.8 | 0.8 | 4.6 | 0.9 | 2.6 | 0.4 | 2.6 | 0.4 | 31.4 | 196.0 | 33.3 | 2.8 | 88.0 |
| SBD250295 | SBDH25065 | 28.0 | 31.0 | 38.6 | 79.7 | 8.5 | 28.6 | 5.8 | 1.1 | 5.0 | 0.9 | 4.8 | 0.9 | 3.1 | 0.4 | 2.7 | 0.5 | 30.9 | 211.5 | 37.0 | 3.1 | 107.0 |
| SBD250296 | SBDH25065 | 31.0 | 34.0 | 42.1 | 85.7 | 9.3 | 31.1 | 6.5 | 1.2 | 5.8 | 0.9 | 5.2 | 1.1 | 3.4 | 0.5 | 3.1 | 0.5 | 33.4 | 229.7 | 40.4 | 3.3 | 121.0 |
| SBD250297 | SBDH25065 | 34.0 | 37.0 | 34.4 | 67.4 | 7.6 | 26.5 | 5.3 | 1.1 | 4.9 | 0.8 | 4.7 | 1.0 | 2.9 | 0.4 | 2.9 | 0.5 | 30.6 | 190.8 | 34.0 | 3.1 | 100.0 |
| SBD250298 | SBDH25065 | 37.0 | 40.0 | 40.2 | 79.1 | 9.0 | 30.0 | 6.9 | 1.2 | 5.5 | 0.9 | 5.6 | 1.1 | 3.3 | 0.5 | 3.4 | 0.6 | 34.2 | 221.5 | 39.0 | 3.5 | 118.0 |
| SBD250299 | SBDH25065 | 40.0 | 43.0 | 30.5 | 68.4 | 6.5 | 23.3 | 4.7 | 0.9 | 4.0 | 0.7 | 4.1 | 0.9 | 3.0 | 0.4 | 2.7 | 0.4 | 27.9 | 178.6 | 29.9 | 3.0 | 99.0 |
| SBD250300 | SBDH25065 | 43.0 | 46.0 | 37.6 | 78.9 | 8.9 | 30.9 | 5.9 | 1.1 | 5.6 | 0.9 | 5.3 | 1.1 | 3.3 | 0.5 | 3.4 | 0.6 | 35.4 | 219.5 | 39.8 | 3.5 | 117.0 |
| SBD250301 | SBDH25065 | 46.0 | 49.0 | 23.0 | 46.4 | 4.9 | 18.0 | 3.5 | 0.7 | 3.5 | 0.6 | 3.1 | 0.6 | 2.2 | 0.3 | 2.4 | 0.4 | 22.1 | 131.7 | 22.9 | 2.7 | 78.0 |
| SBD250302 | SBDH25065 | 49.0 | 52.0 | 18.9 | 38.2 | 4.3 | 13.3 | 2.8 | 0.5 | 2.4 | 0.5 | 2.4 | 0.6 | 1.7 | 0.3 | 1.9 | 0.3 | 16.6 | 104.7 | 17.6 | 2.3 | 71.0 |
| SBD250304 | SBDH25070 | 1.0 | 4.0 | 60.2 | 122.2 | 14.4 | 51.1 | 10.1 | 1.7 | 8.0 | 1.2 | 7.1 | 1.5 | 3.9 | 0.5 | 3.9 | 0.6 | 45.1 | 331.5 | 65.5 | 3.1 | 83.0 |
| SBD250305 | SBDH25070 | 4.0 | 7.0 | 50.2 | 101.7 | 12.4 | 45.8 | 8.0 | 1.4 | 6.6 | 1.0 | 6.1 | 1.3 | 3.5 | 0.6 | 3.3 | 0.5 | 38.6 | 281.0 | 58.3 | 2.3 | 73.0 |
| SBD250306 | SBDH25070 | 7.0 | 10.0 | 67.3 | 165.2 | 14.9 | 53.8 | 9.9 | 1.6 | 8.1 | 1.3 | 7.5 | 1.5 | 4.3 | 0.6 | 4.1 | 0.5 | 46.1 | 386.7 | 68.7 | 2.2 | 104.0 |
| SBD250307 | SBDH25070 | 10.0 | 13.0 | 76.9 | 157.8 | 18.6 | 69.9 | 12.9 | 2.1 | 10.6 | 1.6 | 9.2 | 1.9 | 5.0 | 0.7 | 4.5 | 0.7 | 58.5 | 430.9 | 88.5 | 2.2 | 93.0 |
| SBD250308 | SBDH25070 | 13.0 | 16.0 | 65.2 | 136.4 | 15.1 | 53.4 | 9.8 | 1.6 | 8.0 | 1.3 | 7.3 | 1.4 | 3.9 | 0.6 | 3.8 | 0.5 | 46.6 | 354.9 | 68.5 | 2.4 | 74.0 |
| SBD250309 | SBDH25070 | 16.0 | 19.0 | 53.9 | 107.2 | 12.7 | 45.1 | 8.0 | 1.4 | 7.2 | 1.1 | 6.9 | 1.4 | 3.9 | 0.5 | 3.7 | 0.5 | 40.6 | 294.4 | 57.9 | 2.3 | 92.0 |
| SBD250310 | SBDH25070 | 19.0 | 22.0 | 31.0 | 59.7 | 7.1 | 26.4 | 4.5 | 0.8 | 3.8 | 0.6 | 3.6 | 0.8 | 2.0 | 0.3 | 1.9 | 0.3 | 24.1 | 167.0 | 33.5 | 1.8 | 67.0 |
| SBD250311 | SBDH25070 | 22.0 | 25.0 | 51.0 | 100.7 | 11.6 | 42.5 | 7.7 | 1.4 | 6.8 | 1.1 | 6.4 | 1.4 | 3.6 | 0.5 | 3.5 | 0.5 | 40.4 | 279.0 | 54.0 | 2.8 | 122.0 |
| SBD250312 | SBDH25070 | 25.0 | 28.0 | 45.9 | 93.7 | 10.1 | 35.7 | 7.3 | 1.2 | 5.6 | 0.9 | 5.2 | 1.2 | 3.3 | 0.5 | 3.2 | 0.5 | 33.3 | 247.5 | 45.8 | 2.7 | 129.0 |
| SBD250313 | SBDH25070 | 28.0 | 31.0 | 46.7 | 106.6 | 12.4 | 47.1 | 9.2 | 1.6 | 7.5 | 1.2 | 6.7 | 1.5 | 4.1 | 0.6 | 3.8 | 0.6 | 43.7 | 293.3 | 59.6 | 2.9 | 128.0 |
| SBD250314 | SBDH25070 | 31.0 | 34.0 | 33.4 | 71.7 | 8.2 | 28.3 | 5.5 | 1.0 | 4.7 | 0.8 | 4.6 | 1.0 | 3.0 | 0.4 | 2.9 | 0.4 | 29.0 | 194.9 | 36.6 | 2.8 | 107.0 |
| SBD250315 | SBDH25070 | 34.0 | 37.0 | 25.1 | 50.9 | 5.6 | 20.1 | 4.1 | 0.6 | 3.4 | 0.6 | 3.6 | 0.8 | 2.2 | 0.4 | 2.4 | 0.3 | 22.9 | 142.9 | 25.7 | 2.4 | 92.0 |
| SBD250316 | SBDH25070 | 37.0 | 40.0 | 39.2 | 92.6 | 9.1 | 31.6 | 6.1 | 1.1 | 5.1 | 0.8 | 5.2 | 1.1 | 3.0 | 0.5 | 3.1 | 0.4 | 31.5 | 230.3 | 40.7 | 3.2 | 140.0 |
| SBD250317 | SBDH25070 | 40.0 | 43.0 | 29.1 | 58.7 | 7.0 | 24.4 | 5.0 | 0.9 | 4.2 | 0.7 | 4.2 | 0.8 | 2.3 | 0.4 | 2.8 | 0.4 | 24.9 | 165.6 | 31.3 | 3.1 | 114.0 |
| SBD250318 | SBDH25070 | 43.0 | 46.0 | 40.8 | 86.7 | 9.8 | 35.5 | 7.5 | 1.3 | 5.9 | 1.0 | 6.0 | 1.2 | 3.4 | 0.5 | 3.3 | 0.5 | 36.2 | 239.7 | 45.3 | 3.8 | 140.0 |
| SBD250319 | SBDH25070 | 46.0 | 50.0 | 41.3 | 85.7 | 9.8 | 35.2 | 7.2 | 1.3 | 5.8 | 0.9 | 6.0 | 1.3 | 3.2 | 0.5 | 3.2 | 0.5 | 35.6 | 237.4 | 45.0 | 3.4 | 123.0 |
| SBD250321 | SBDH25057 | 2.0 | 5.0 | 60.8 | 124.1 | 13.7 | 49.5 | 9.3 | 1.6 | 7.7 | 1.2 | 6.8 | 1.5 | 4.0 | 0.6 | 3.9 | 0.6 | 44.6 | 329.7 | 63.2 | 2.7 | 99.0 |
| SBD250322 | SBDH25057 | 5.0 | 8.0 | 32.0 | 53.9 | 7.4 | 26.1 | 4.7 | 0.9 | 3.7 | 0.6 | 3.4 | 0.7 | 2.0 | 0.3 | 2.0 | 0.3 | 21.1 | 159.2 | 33.5 | 1.3 | 44.0 |
| SBD250323 | SBDH25057 | 8.0 | 11.0 | 61.9 | 154.2 | 14.1 | 47.8 | 8.2 | 1.7 | 7.5 | 1.2 | 7.0 | 1.3 | 4.0 | 0.5 | 3.8 | 0.5 | 40.8 | 354.3 | 61.9 | 2.0 | 78.0 |
| SBD250324 | SBDH25057 | 11.0 | 14.0 | 43.3 | 86.8 | 9.5 | 34.5 | 5.8 | 1.1 | 4.9 | 0.9 | 4.6 | 1.0 | 2.8 | 0.4 | 2.7 | 0.4 | 30.6 | 229.3 | 44.1 | 1.9 | 63.0 |
| SBD250325 | SBDH25057 | 14.0 | 17.0 | 54.9 | 108.2 | 12.7 | 46.1 | 8.6 | 1.4 | 6.8 | 1.1 | 6.3 | 1.3 | 3.6 | 0.6 | 3.3 | 0.5 | 39.2 | 294.5 | 58.8 | 2.3 | 72.0 |
| SBD250326 | SBDH25057 | 17.0 | 20.0 | 47.9 | 97.4 | 11.3 | 39.3 | 7.6 | 1.4 | 5.9 | 1.0 | 5.8 | 1.2 | 3.3 | 0.6 | 3.4 | 0.5 | 36.8 | 263.3 | 50.6 | 2.4 | 79.0 |
| SBD250327 | SBDH25057 | 20.0 | 23.0 | 36.0 | 73.0 | 8.2 | 28.5 | 5.2 | 1.0 | 4.2 | 0.7 | 4.6 | 0.9 | 2.6 | 0.4 | 2.4 | 0.4 | 26.9 | 194.9 | 36.6 | 2.2 | 77.0 |
| SBD250328 | SBDH25057 | 23.0 | 26.0 | 37.6 | 77.9 | 8.2 | 29.5 | 5.8 | 1.0 | 4.8 | 0.8 | 5.0 | 1.0 | 2.9 | 0.5 | 3.0 | 0.4 | 31.7 | 210.1 | 37.7 | 3.0 | 103.0 |
| SBD250329 | SBDH25057 | 26.0 | 29.0 | 37.2 | 73.7 | 8.0 | 27.4 | 5.0 | 1.0 | 4.7 | 0.8 | 4.9 | 1.0 | 3.0 | 0.5 | 3.0 | 0.5 | 31.4 | 202.2 | 35.4 | 3.0 | 113.0 |
| SBD250330 | SBDH25057 | 29.0 | 32.0 | 31.9 | 60.3 | 6.3 | 20.9 | 4.0 | 0.7 | 3.5 | 0.6 | 3.8 | 0.9 | 2.5 | 0.4 | 2.7 | 0.5 | 25.3 | 164.2 | 27.2 | 2.9 | 115.0 |
| SBD250332 | SBDH25057 | 32.0 | 33.0 | 19.7 | 43.1 | 4.3 | 15.3 | 3.0 | 0.6 | 3.1 | 0.6 | 2.8 | 0.6 | 2.0 | 0.3 | 2.0 | 0.3 | 19.2 | 116.8 | 19.6 | 3.0 | 99.0 |
| SBD250333 | SBDH25056 | 4.0 | 7.0 | 35.1 | 72.8 | 8.2 | 30.9 | 5.6 | 1.2 | 5.3 | 0.8 | 5.1 | 1.0 | 3.2 | 0.4 | 2.9 | 0.5 | 31.1 | 204.3 | 39.1 | 1.8 | 54.0 |
| SBD250334 | SBDH25056 | 7.0 | 10.0 | 74.0 | 127.8 | 16.9 | 62.8 | 11.5 | 2.0 | 10.3 | 1.4 | 8.6 | 1.7 | 5.3 | 0.7 | 4.5 | 0.7 | 53.0 | 381.0 | 79.7 | 3.1 | 99.0 |
| SBD250335 | SBDH25056 | 10.0 | 13.0 | 48.1 | 92.4 | 10.9 | 40.8 | 7.7 | 1.4 | 6.6 | 0.9 | 5.8 | 1.2 | 3.3 | 0.4 | 3.2 | 0.5 | 36.4 | 259.9 | 51.8 | 2.6 | 83.0 |
| SBD250336 | SBDH25056 | 13.0 | 16.0 | 47.9 | 91.9 | 10.8 | 39.3 | 7.4 | 1.2 | 6.5 | 0.9 | 5.6 | 1.1 | 3.7 | 0.5 | 3.3 | 0.5 | 35.9 | 256.5 | 50.1 | 2.4 | 68.0 |
| SBD250337 | SBDH25056 | 16.0 | 19.0 | 55.7 | 108.3 | 12.4 | 44.1 | 8.2 | 1.6 | 7.6 | 1.0 | 6.5 | 1.3 | 4.0 | 0.6 | 3.6 | 0.5 | 40.5 | 296.0 | 56.5 | 3.2 | 97.0 |
| SBD250338 | SBDH25056 | 19.0 | 22.0 | 39.9 | 80.6 | 9.1 | 32.3 | 5.7 | 1.0 | 5.2 | 0.8 | 4.6 | 1.0 | 2.6 | 0.5 | 2.7 | 0.4 | 31.1 | 217.5 | 41.4 | 2.5 | 87.0 |
| SBD250339 | SBDH25056 | 22.0 | 25.0 | 43.9 | 84.9 | 10.0 | 36.4 | 6.7 | 1.4 | 6.4 | 1.0 | 5.6 | 1.0 | 3.4 | 0.5 | 2.9 | 0.5 | 34.9 | 239.6 | 46.4 | 2.9 | 104.0 |
| SBD250341 | SBDH25056 | 25.0 | 28.0 | 35.7 | 75.1 | 7.3 | 26.5 | 5.2 | 0.8 | 4.5 | 0.7 | 4.2 | 0.9 | 3.0 | 0.4 | 2.9 | 0.4 | 26.2 | 193.8 | 33.8 | 2.8 | 94.0 |
| SBD250342 | SBDH25056 | 28.0 | 31.0 | 42.2 | 103.7 | 10.5 | 39.5 | 7.5 | 1.6 | 7.0 | 1.0 | 6.1 | 1.3 | 3.9 | 0.5 | 3.3 | 0.6 | 38.1 | 266.9 | 50.0 | 3.2 | 137.0 |
| SBD250343 | SBDH25056 | 31.0 | 34.0 | 40.8 | 100.2 | 9.6 | 35.8 | 7.2 | 1.4 | 5.9 | 0.9 | 5.7 | 1.2 | 3.7 | 0.5 | 3.4 | 0.5 | 35.4 | 252.4 | 45.4 | 3.8 | 146.0 |
| SBD250344 | SBDH25056 | 34.0 | 37.0 | 34.0 | 82.4 | 7.9 | 29.9 | 5.9 | 1.1 | 5.3 | 0.8 | 4.5 | 1.0 | 2.9 | 0.5 | 2.9 | 0.5 | 28.7 | 208.4 | 37.8 | 3.7 | 134.0 |
| SBD250345 | SBDH25056 | 37.0 | 40.0 | 33.5 | 76.9 | 8.4 | 30.0 | 6.0 | 1.2 | 5.4 | 0.9 | 4.9 | 1.0 | 3.1 | 0.5 | 3.0 | 0.5 | 30.0 | 205.2 | 38.4 | 3.5 | 125.0 |
| SBD250346 | SBDH25056 | 40.0 | 43.0 | 33.0 | 81.3 | 7.9 | 28.2 | 6.4 | 1.1 | 5.1 | 0.8 | 4.9 | 1.0 | 3.0 | 0.5 | 3.2 | 0.5 | 29.0 | 205.9 | 36.2 | 3.6 | 119.0 |
| SBD250347 | SBDH25056 | 43.0 | 46.0 | 29.2 | 68.4 | 7.5 | 28.5 | 5.0 | 1.1 | 5.2 | 0.8 | 4.3 | 1.0 | 2.7 | 0.4 | 2.8 | 0.4 | 25.7 | 182.9 | 35.9 | 3.4 | 110.0 |
| SBD250348 | SBDH25056 | 46.0 | 49.0 | 36.0 | 78.5 | 8.6 | 31.1 | 5.5 | 1.3 | 5.4 | 0.9 | 5.1 | 1.1 | 3.5 | 0.5 | 3.2 | 0.5 | 33.1 | 214.2 | 39.7 | 3.7 | 119.0 |
| SBD250349 | SBDH25056 | 49.0 | 53.0 | 29.3 | 62.9 | 7.1 | 26.2 | 5.3 | 1.1 | 4.8 | 0.8 | 4.6 | 1.0 | 2.9 | 0.4 | 2.5 | 0.4 | 27.0 | 176.4 | 33.4 | 3.9 | 118.0 |
| SBD250350 | SBDH25052 | 16.0 | 19.0 | 55.5 | 114.9 | 13.1 | 48.4 | 8.5 | 1.7 | 8.0 | 1.2 | 6.7 | 1.4 | 3.8 | 0.6 | 4.0 | 0.5 | 42.4 | 310.6 | 61.5 | 2.9 | 103.0 |
| SBD250351 | SBDH25052 | 19.0 | 22.0 | 35.3 | 67.4 | 7.5 | 28.1 | 5.3 | 1.0 | 4.7 | 0.7 | 4.4 | 0.9 | 2.8 | 0.4 | 2.6 | 0.4 | 28.3 | 189.8 | 35.6 | 2.5 | 78.0 |
| SBD250352 | SBDH25052 | 22.0 | 25.0 | 40.1 | 81.1 | 9.7 | 35.5 | 7.1 | 1.4 | 6.4 | 1.0 | 5.2 | 1.2 | 3.3 | 0.5 | 3.7 | 0.5 | 34.4 | 231.0 | 45.2 | 3.3 | 100.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250353 | SBDH25052 | 25.0 | 28.0 | 40.8 | 88.3 | 9.4 | 33.4 | 6.4 | 1.3 | 5.7 | 1.0 | 5.5 | 1.2 | 3.5 | 0.5 | 3.2 | 0.5 | 36.3 | 237.2 | 42.8 | 3.5 | 126.0 |
| SBD250354 | SBDH25052 | 28.0 | 31.0 | 34.5 | 73.8 | 8.4 | 30.8 | 6.2 | 1.2 | 5.3 | 0.9 | 5.1 | 1.0 | 3.4 | 0.5 | 2.9 | 0.5 | 30.7 | 205.1 | 39.2 | 3.3 | 104.0 |
| SBD250355 | SBDH25052 | 31.0 | 34.0 | 37.1 | 77.8 | 8.9 | 31.5 | 5.9 | 1.3 | 5.7 | 0.9 | 5.9 | 1.2 | 3.9 | 0.5 | 3.9 | 0.6 | 38.0 | 223.2 | 40.4 | 4.0 | 127.0 |
| SBD250356 | SBDH25052 | 34.0 | 36.0 | 33.9 | 79.4 | 8.2 | 29.9 | 5.9 | 1.0 | 5.4 | 0.9 | 4.8 | 1.0 | 3.0 | 0.4 | 2.9 | 0.5 | 31.1 | 208.2 | 38.1 | 3.5 | 124.0 |
| SBD250357 | SBDH25052 | 36.0 | 38.0 | 32.0 | 66.9 | 7.2 | 27.2 | 5.2 | 0.9 | 4.7 | 0.7 | 4.5 | 1.0 | 3.1 | 0.4 | 2.8 | 0.4 | 28.1 | 185.0 | 34.3 | 3.2 | 114.0 |
| SBD250358 | SBDH25052 | 38.0 | 40.0 | 16.8 | 35.9 | 3.8 | 13.6 | 2.8 | 0.6 | 2.8 | 0.4 | 2.7 | 0.6 | 1.8 | 0.3 | 2.0 | 0.3 | 17.3 | 101.7 | 17.4 | 2.4 | 93.0 |
| SBD250359 | SBDH25052 | 40.0 | 43.0 | 33.0 | 77.4 | 7.8 | 28.9 | 5.9 | 1.0 | 4.9 | 0.8 | 5.1 | 1.1 | 3.2 | 0.5 | 3.1 | 0.5 | 32.4 | 205.6 | 36.8 | 3.4 | 143.0 |
| SBD250360 | SBDH25052 | 43.0 | 46.0 | 40.2 | 84.1 | 9.7 | 35.7 | 6.7 | 1.3 | 5.5 | 0.9 | 5.9 | 1.2 | 3.5 | 0.5 | 3.6 | 0.5 | 35.6 | 235.0 | 45.4 | 4.0 | 152.0 |
| SBD250361 | SBDH25052 | 46.0 | 49.0 | 43.4 | 93.6 | 9.6 | 33.4 | 6.3 | 1.1 | 4.9 | 0.8 | 5.1 | 1.1 | 3.1 | 0.5 | 3.1 | 0.5 | 29.8 | 236.2 | 43.0 | 3.9 | 153.0 |
| SBD250362 | SBDH25052 | 49.0 | 53.0 | 48.0 | 97.5 | 10.1 | 32.7 | 6.2 | 1.2 | 4.9 | 0.8 | 4.7 | 1.0 | 3.3 | 0.5 | 3.5 | 0.5 | 29.0 | 243.8 | 42.7 | 3.9 | 140.0 |
| SBD250363 | SBDH25037 | 14.0 | 17.0 | 56.8 | 108.5 | 13.4 | 51.4 | 8.7 | 1.7 | 8.3 | 1.3 | 6.7 | 1.4 | 4.0 | 0.6 | 3.8 | 0.5 | 44.8 | 311.9 | 64.8 | 3.4 | 98.0 |
| SBD250364 | SBDH25037 | 17.0 | 20.0 | 43.6 | 90.7 | 9.4 | 32.5 | 6.4 | 1.0 | 5.6 | 0.8 | 5.0 | 1.1 | 3.2 | 0.5 | 3.1 | 0.4 | 30.2 | 233.5 | 41.9 | 3.0 | 83.0 |
| SBD250365 | SBDH25037 | 20.0 | 23.0 | 46.0 | 91.8 | 10.8 | 40.6 | 6.8 | 1.5 | 6.9 | 1.0 | 5.9 | 1.2 | 3.7 | 0.5 | 3.0 | 0.5 | 35.7 | 255.7 | 51.4 | 3.2 | 102.0 |
| SBD250366 | SBDH25037 | 23.0 | 26.0 | 35.5 | 68.5 | 8.2 | 30.4 | 5.4 | 1.0 | 4.9 | 0.8 | 4.6 | 0.9 | 2.9 | 0.4 | 2.7 | 0.4 | 28.3 | 195.0 | 38.6 | 2.9 | 121.0 |
| SBD250367 | SBDH25037 | 26.0 | 29.0 | 47.9 | 116.2 | 11.7 | 43.6 | 7.6 | 1.5 | 6.9 | 1.1 | 6.7 | 1.4 | 3.8 | 0.6 | 3.8 | 0.6 | 40.1 | 293.3 | 55.3 | 3.7 | 134.0 |
| SBD250368 | SBDH25037 | 29.0 | 32.0 | 33.7 | 79.1 | 8.6 | 31.8 | 5.8 | 1.1 | 5.9 | 0.9 | 5.8 | 1.2 | 3.4 | 0.5 | 3.6 | 0.5 | 34.3 | 216.1 | 40.4 | 3.5 | 112.0 |
| SBD250369 | SBDH25037 | 32.0 | 35.0 | 29.9 | 66.3 | 6.8 | 24.7 | 4.8 | 1.0 | 4.4 | 0.7 | 4.4 | 0.9 | 3.0 | 0.4 | 2.9 | 0.4 | 25.7 | 176.3 | 31.5 | 3.5 | 105.0 |
| SBD250371 | SBDH25037 | 35.0 | 38.0 | 26.9 | 62.8 | 6.2 | 21.3 | 4.1 | 0.9 | 3.8 | 0.7 | 4.1 | 0.9 | 2.6 | 0.4 | 2.9 | 0.4 | 24.4 | 162.2 | 27.6 | 3.1 | 94.0 |
| SBD250372 | SBDH25037 | 38.0 | 41.0 | 42.5 | 91.9 | 10.3 | 37.8 | 7.2 | 1.2 | 5.1 | 0.9 | 5.2 | 1.0 | 3.3 | 0.4 | 3.1 | 0.5 | 28.7 | 239.0 | 48.1 | 4.0 | 91.0 |
| SBD250373 | SBDH25037 | 41.0 | 44.0 | 42.9 | 72.6 | 8.9 | 31.7 | 5.6 | 1.1 | 4.8 | 0.8 | 4.5 | 0.9 | 2.8 | 0.4 | 2.9 | 0.4 | 26.3 | 206.6 | 40.7 | 3.7 | 58.0 |
| SBD250374 | SBDH25037 | 44.0 | 46.0 | 31.8 | 48.3 | 5.6 | 18.2 | 3.0 | 0.5 | 2.5 | 0.4 | 2.8 | 0.6 | 1.8 | 0.3 | 1.9 | 0.4 | 16.1 | 134.2 | 23.8 | 3.1 | 49.0 |
| SBD250375 | SBDH25037 | 46.0 | 49.0 | 41.5 | 67.1 | 8.3 | 28.7 | 4.4 | 0.7 | 3.2 | 0.5 | 2.7 | 0.6 | 1.7 | 0.3 | 2.1 | 0.3 | 17.7 | 179.5 | 37.0 | 3.6 | 47.0 |
| SBD250376 | SBDH25037 | 49.0 | 52.0 | 70.6 | 135.7 | 18.2 | 73.6 | 11.7 | 2.1 | 7.3 | 0.8 | 4.3 | 0.8 | 2.2 | 0.3 | 2.5 | 0.3 | 21.3 | 351.8 | 91.8 | 4.4 | 52.0 |
| SBD250377 | SBDH25037 | 52.0 | 56.0 | 79.5 | 145.0 | 20.5 | 82.9 | 14.6 | 2.3 | 8.9 | 1.1 | 6.2 | 1.0 | 2.8 | 0.4 | 2.6 | 0.4 | 28.6 | 396.8 | 103.5 | 5.2 | 57.0 |
| SBD250378 | SBDH25037 | 56.0 | 59.0 | 30.3 | 56.0 | 6.9 | 27.3 | 5.0 | 1.1 | 4.3 | 0.7 | 4.1 | 0.8 | 2.4 | 0.3 | 2.6 | 0.4 | 22.4 | 164.4 | 34.2 | 3.2 | 37.0 |
| SBD250379 | SBDH25037 | 59.0 | 62.0 | 30.3 | 52.8 | 6.2 | 23.6 | 4.2 | 0.7 | 4.1 | 0.6 | 3.6 | 0.8 | 2.6 | 0.4 | 2.5 | 0.4 | 23.9 | 156.7 | 29.8 | 3.3 | 46.0 |
| SBD250380 | SBDH25037 | 62.0 | 65.0 | 72.7 | 141.9 | 20.7 | 85.7 | 15.6 | 2.9 | 13.5 | 1.6 | 9.0 | 1.5 | 3.8 | 0.5 | 3.1 | 0.4 | 46.6 | 419.4 | 106.4 | 3.4 | 59.0 |
| SBD250381 | SBDH25037 | 65.0 | 68.0 | 34.0 | 64.4 | 8.2 | 33.2 | 6.3 | 1.2 | 5.8 | 0.8 | 4.4 | 0.8 | 2.5 | 0.3 | 2.3 | 0.3 | 25.1 | 189.7 | 41.4 | 3.1 | 67.0 |
| SBD250382 | SBDH25037 | 68.0 | 71.0 | 33.4 | 65.6 | 7.2 | 26.5 | 5.0 | 0.8 | 4.4 | 0.7 | 4.6 | 0.9 | 2.6 | 0.4 | 2.6 | 0.4 | 30.2 | 185.3 | 33.6 | 3.1 | 81.0 |
| SBD250383 | SBDH25037 | 71.0 | 74.0 | 70.4 | 137.6 | 15.3 | 56.1 | 10.7 | 2.3 | 12.4 | 2.0 | 12.5 | 2.7 | 7.8 | 1.1 | 6.6 | 0.9 | 98.7 | 437.0 | 71.4 | 6.7 | 83.0 |
| SBD250384 | SBDH25030 | 16.0 | 19.0 | 49.7 | 97.8 | 11.2 | 42.5 | 7.6 | 1.5 | 6.7 | 1.0 | 6.3 | 1.4 | 3.7 | 0.5 | 3.8 | 0.5 | 38.1 | 272.2 | 53.6 | 3.4 | 97.0 |
| SBD250385 | SBDH25030 | 19.0 | 22.0 | 50.1 | 97.4 | 11.1 | 40.0 | 7.3 | 1.4 | 6.2 | 1.0 | 6.0 | 1.3 | 3.8 | 0.5 | 3.6 | 0.5 | 36.6 | 266.9 | 51.1 | 3.1 | 112.0 |
| SBD250386 | SBDH25030 | 22.0 | 25.0 | 40.7 | 84.6 | 9.4 | 33.9 | 5.6 | 1.2 | 5.6 | 0.9 | 5.7 | 1.1 | 3.2 | 0.5 | 3.2 | 0.5 | 32.1 | 228.3 | 43.3 | 2.8 | 107.0 |
| SBD250387 | SBDH25030 | 25.0 | 28.0 | 31.7 | 60.4 | 7.5 | 26.2 | 4.8 | 0.9 | 4.1 | 0.6 | 3.9 | 0.8 | 2.3 | 0.4 | 2.6 | 0.4 | 25.0 | 171.5 | 33.8 | 2.8 | 118.0 |
| SBD250388 | SBDH25030 | 28.0 | 31.0 | 40.0 | 87.2 | 9.3 | 35.7 | 7.2 | 1.4 | 6.1 | 1.0 | 6.8 | 1.2 | 3.8 | 0.5 | 3.8 | 0.6 | 37.3 | 242.1 | 45.0 | 3.5 | 124.0 |
| SBD250389 | SBDH25030 | 31.0 | 34.0 | 39.4 | 85.3 | 8.4 | 29.2 | 5.0 | 1.1 | 4.5 | 0.7 | 5.2 | 1.0 | 3.0 | 0.5 | 3.5 | 0.5 | 29.1 | 216.2 | 37.6 | 3.5 | 129.0 |
| SBD250390 | SBDH25030 | 34.0 | 37.0 | 41.6 | 109.9 | 11.7 | 42.7 | 8.5 | 1.9 | 7.9 | 1.2 | 7.1 | 1.4 | 4.4 | 0.6 | 3.6 | 0.5 | 42.3 | 285.4 | 54.4 | 3.8 | 131.0 |
| SBD250391 | SBDH25030 | 37.0 | 40.0 | 26.6 | 62.4 | 6.3 | 24.6 | 4.3 | 0.9 | 4.1 | 0.8 | 3.8 | 0.8 | 2.3 | 0.4 | 2.5 | 0.4 | 24.3 | 164.4 | 30.9 | 3.2 | 107.0 |
| SBD250392 | SBDH25030 | 40.0 | 43.0 | 32.3 | 67.3 | 7.8 | 28.7 | 6.2 | 1.2 | 5.1 | 0.9 | 5.0 | 1.1 | 3.1 | 0.4 | 2.8 | 0.5 | 29.8 | 192.1 | 36.5 | 4.1 | 120.0 |
| SBD250393 | SBDH25030 | 43.0 | 45.0 | 38.2 | 89.4 | 10.0 | 38.5 | 8.2 | 1.7 | 6.9 | 1.1 | 6.5 | 1.4 | 3.8 | 0.5 | 3.4 | 0.5 | 38.4 | 248.5 | 48.5 | 5.5 | 142.0 |
| SBD250394 | SBDH25030 | 45.0 | 48.0 | 40.1 | 78.4 | 8.9 | 29.4 | 5.8 | 1.0 | 4.2 | 0.7 | 4.6 | 0.9 | 2.7 | 0.4 | 2.9 | 0.5 | 27.2 | 207.8 | 38.3 | 4.6 | 146.0 |
| SBD250395 | SBDH25030 | 48.0 | 51.0 | 33.5 | 66.3 | 7.9 | 27.8 | 5.2 | 1.0 | 4.4 | 0.7 | 4.6 | 0.9 | 2.6 | 0.4 | 2.7 | 0.4 | 25.4 | 183.8 | 35.7 | 4.1 | 123.0 |
| SBD250396 | SBDH25030 | 51.0 | 53.0 | 34.7 | 66.8 | 8.0 | 28.0 | 5.3 | 1.1 | 4.2 | 0.8 | 4.6 | 1.0 | 3.2 | 0.5 | 3.0 | 0.5 | 28.3 | 190.0 | 36.0 | 4.7 | 126.0 |
| SBD250397 | SBDH25031 | 12.0 | 15.0 | 37.8 | 75.8 | 9.1 | 31.1 | 6.1 | 1.2 | 5.1 | 0.8 | 5.1 | 1.1 | 3.0 | 0.4 | 3.0 | 0.4 | 32.1 | 212.2 | 40.2 | 3.0 | 72.0 |
| SBD250398 | SBDH25031 | 15.0 | 18.0 | 27.0 | 51.8 | 6.4 | 22.4 | 4.0 | 0.8 | 4.0 | 0.6 | 4.2 | 0.9 | 2.6 | 0.4 | 2.4 | 0.3 | 25.7 | 153.4 | 28.8 | 2.5 | 64.0 |
| SBD250399 | SBDH25031 | 18.0 | 21.0 | 42.3 | 81.2 | 9.4 | 32.9 | 6.3 | 1.1 | 5.0 | 0.9 | 5.5 | 1.1 | 3.2 | 0.5 | 3.4 | 0.5 | 32.5 | 225.8 | 42.3 | 3.5 | 108.0 |
| SBD250400 | SBDH25031 | 21.0 | 24.0 | 29.0 | 60.7 | 6.2 | 23.7 | 4.3 | 0.7 | 3.7 | 0.7 | 4.1 | 0.8 | 2.3 | 0.4 | 2.5 | 0.4 | 24.9 | 164.4 | 29.9 | 2.9 | 88.0 |
| SBD250401 | SBDH25031 | 24.0 | 27.0 | 35.2 | 73.9 | 8.2 | 30.2 | 5.4 | 1.1 | 4.6 | 0.8 | 4.7 | 1.0 | 2.9 | 0.4 | 3.1 | 0.5 | 29.7 | 201.8 | 38.4 | 3.5 | 113.0 |
| SBD250402 | SBDH25031 | 27.0 | 30.0 | 39.9 | 88.9 | 8.4 | 30.9 | 6.2 | 1.2 | 5.4 | 0.9 | 5.4 | 1.0 | 3.3 | 0.4 | 3.0 | 0.5 | 32.9 | 228.2 | 39.3 | 3.8 | 131.0 |
| SBD250403 | SBDH25031 | 30.0 | 33.0 | 48.0 | 109.3 | 12.1 | 44.1 | 9.2 | 1.7 | 7.6 | 1.2 | 6.9 | 1.4 | 4.0 | 0.6 | 3.8 | 0.6 | 42.0 | 292.6 | 56.2 | 5.0 | 156.0 |
| SBD250404 | SBDH25031 | 33.0 | 36.0 | 44.2 | 107.4 | 9.9 | 36.0 | 7.1 | 1.4 | 6.0 | 1.0 | 6.0 | 1.2 | 3.5 | 0.5 | 3.4 | 0.5 | 35.4 | 263.4 | 45.9 | 5.2 | 164.0 |
| SBD250405 | SBDH25031 | 36.0 | 39.0 | 41.3 | 96.9 | 8.8 | 28.0 | 5.1 | 0.9 | 4.4 | 0.7 | 4.2 | 1.0 | 2.9 | 0.4 | 2.5 | 0.5 | 27.0 | 224.6 | 36.8 | 5.0 | 164.0 |
| SBD250406 | SBDH25031 | 39.0 | 42.0 | 45.0 | 85.4 | 10.0 | 31.1 | 5.5 | 1.1 | 4.1 | 0.7 | 4.7 | 0.9 | 3.0 | 0.4 | 3.1 | 0.4 | 26.8 | 222.4 | 41.1 | 4.9 | 161.0 |
| SBD250407 | SBDH25031 | 42.0 | 45.0 | 41.9 | 82.3 | 8.7 | 28.2 | 5.3 | 1.0 | 4.3 | 0.7 | 4.8 | 1.0 | 2.8 | 0.4 | 2.9 | 0.4 | 25.7 | 210.4 | 36.9 | 4.5 | 139.0 |
| SBD250408 | SBDH25031 | 45.0 | 48.0 | 37.1 | 80.2 | 7.8 | 24.4 | 5.0 | 0.8 | 3.7 | 0.7 | 4.5 | 1.0 | 2.8 | 0.5 | 3.4 | 0.5 | 27.9 | 200.1 | 32.1 | 3.6 | 130.0 |
| SBD250409 | SBDH25031 | 48.0 | 51.0 | 40.0 | 107.4 | 8.6 | 29.5 | 6.3 | 1.3 | 5.0 | 0.8 | 5.3 | 1.1 | 3.2 | 0.5 | 3.5 | 0.6 | 30.2 | 243.3 | 38.1 | 3.9 | 109.0 |
| SBD250410 | SBDH25031 | 51.0 | 53.0 | 63.1 | 150.5 | 17.5 | 64.0 | 13.2 | 2.7 | 10.6 | 1.8 | 10.4 | 2.0 | 5.5 | 0.8 | 5.0 | 0.8 | 56.8 | 404.5 | 81.6 | 4.6 | 95.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250411 | SBDH25034 | 12.0 | 15.0 | 57.0 | 115.6 | 12.9 | 47.0 | 8.8 | 1.5 | 7.1 | 1.1 | 6.6 | 1.4 | 3.8 | 0.5 | 3.4 | 0.6 | 40.0 | 307.3 | 59.9 | 3.5 | 106.0 |
| SBD250412 | SBDH25034 | 15.0 | 18.0 | 49.1 | 98.5 | 11.2 | 41.4 | 8.6 | 1.4 | 6.5 | 1.1 | 6.3 | 1.4 | 3.7 | 0.5 | 3.6 | 0.5 | 40.1 | 274.2 | 52.7 | 3.3 | 108.0 |
| SBD250413 | SBDH25034 | 18.0 | 21.0 | 39.9 | 78.7 | 9.2 | 32.1 | 5.8 | 1.1 | 5.3 | 0.8 | 5.0 | 1.1 | 3.1 | 0.4 | 3.0 | 0.4 | 31.1 | 217.1 | 41.3 | 3.0 | 102.0 |
| SBD250414 | SBDH25034 | 21.0 | 24.0 | 34.9 | 72.0 | 8.1 | 29.3 | 6.0 | 1.1 | 4.9 | 0.8 | 4.7 | 0.9 | 2.7 | 0.4 | 2.6 | 0.4 | 28.2 | 197.1 | 37.4 | 3.0 | 115.0 |
| SBD250415 | SBDH25034 | 24.0 | 27.0 | 38.8 | 97.3 | 8.5 | 30.9 | 5.9 | 1.4 | 5.5 | 1.0 | 5.7 | 1.2 | 3.6 | 0.5 | 3.4 | 0.5 | 33.8 | 238.1 | 39.4 | 3.6 | 128.0 |
| SBD250416 | SBDH25034 | 27.0 | 30.0 | 42.1 | 86.5 | 10.3 | 36.0 | 6.9 | 1.5 | 6.1 | 1.0 | 5.9 | 1.2 | 3.6 | 0.5 | 3.3 | 0.6 | 37.7 | 243.2 | 46.3 | 3.7 | 123.0 |
| SBD250417 | SBDH25034 | 30.0 | 33.0 | 36.4 | 70.0 | 7.9 | 25.7 | 5.2 | 0.9 | 4.3 | 0.7 | 4.4 | 1.0 | 2.7 | 0.4 | 3.1 | 0.4 | 25.5 | 188.5 | 33.5 | 3.8 | 136.0 |
| SBD250419 | SBDH25034 | 33.0 | 36.0 | 36.6 | 66.5 | 8.2 | 28.1 | 4.7 | 0.9 | 4.1 | 0.7 | 4.2 | 0.9 | 3.2 | 0.5 | 3.2 | 0.5 | 27.3 | 189.6 | 36.3 | 3.8 | 150.0 |
| SBD250420 | SBDH25034 | 36.0 | 39.0 | 39.8 | 76.5 | 8.7 | 26.8 | 5.2 | 0.9 | 3.8 | 0.7 | 4.3 | 0.9 | 2.9 | 0.4 | 2.9 | 0.4 | 24.3 | 198.4 | 35.5 | 4.3 | 161.0 |
| SBD250421 | SBDH25034 | 39.0 | 42.0 | 46.1 | 84.4 | 9.7 | 30.7 | 5.7 | 1.0 | 4.5 | 0.7 | 4.8 | 0.9 | 2.7 | 0.4 | 3.0 | 0.4 | 26.0 | 221.1 | 40.4 | 4.4 | 164.0 |
| SBD250422 | SBDH25034 | 42.0 | 45.0 | 38.8 | 82.8 | 8.5 | 28.2 | 6.0 | 1.2 | 5.1 | 0.9 | 4.9 | 1.0 | 2.9 | 0.4 | 3.1 | 0.4 | 29.5 | 213.6 | 36.7 | 4.0 | 142.0 |
| SBD250423 | SBDH25034 | 45.0 | 48.0 | 37.8 | 73.9 | 8.3 | 27.1 | 5.7 | 1.1 | 4.7 | 0.8 | 5.1 | 1.0 | 2.8 | 0.4 | 2.9 | 0.5 | 28.1 | 200.2 | 35.3 | 3.6 | 135.0 |
| SBD250424 | SBDH25034 | 48.0 | 51.0 | 42.5 | 90.0 | 9.6 | 34.4 | 7.1 | 1.4 | 5.9 | 1.0 | 6.1 | 1.1 | 3.6 | 0.5 | 3.5 | 0.5 | 33.4 | 240.5 | 44.0 | 4.0 | 146.0 |
| SBD250425 | SBDH25034 | 51.0 | 53.0 | 56.3 | 100.1 | 11.6 | 37.2 | 6.0 | 1.1 | 5.0 | 0.9 | 5.2 | 1.1 | 3.0 | 0.4 | 3.0 | 0.5 | 31.2 | 262.6 | 48.8 | 3.1 | 91.0 |
| SBD250426 | SBDH25038 | 10.0 | 13.0 | 50.5 | 107.0 | 11.6 | 45.1 | 8.5 | 1.5 | 7.4 | 1.2 | 7.0 | 1.4 | 4.2 | 0.6 | 3.9 | 0.5 | 45.3 | 295.8 | 56.7 | 4.3 | 96.0 |
| SBD250427 | SBDH25038 | 13.0 | 16.0 | 50.2 | 99.5 | 11.9 | 42.1 | 8.1 | 1.5 | 6.5 | 1.0 | 6.1 | 1.2 | 3.6 | 0.5 | 3.3 | 0.4 | 37.5 | 273.3 | 54.0 | 3.3 | 104.0 |
| SBD250428 | SBDH25038 | 16.0 | 19.0 | 40.2 | 86.2 | 9.4 | 33.2 | 6.4 | 1.1 | 5.5 | 0.9 | 5.4 | 1.1 | 3.3 | 0.5 | 3.1 | 0.4 | 34.7 | 231.4 | 42.6 | 2.9 | 94.0 |
| SBD250429 | SBDH25038 | 19.0 | 22.0 | 45.9 | 89.8 | 10.5 | 37.7 | 7.1 | 1.4 | 5.7 | 1.0 | 5.4 | 1.1 | 3.6 | 0.5 | 3.2 | 0.5 | 36.7 | 250.1 | 48.2 | 3.6 | 112.0 |
| SBD250430 | SBDH25038 | 22.0 | 25.0 | 36.0 | 76.2 | 8.6 | 32.3 | 6.6 | 1.2 | 5.2 | 0.8 | 5.0 | 1.1 | 3.0 | 0.4 | 3.0 | 0.4 | 31.1 | 211.0 | 40.9 | 3.1 | 105.0 |
| SBD250431 | SBDH25038 | 25.0 | 28.0 | 38.7 | 82.7 | 8.3 | 28.8 | 5.6 | 1.0 | 4.6 | 0.6 | 4.5 | 1.0 | 2.9 | 0.4 | 2.8 | 0.4 | 28.1 | 210.3 | 37.1 | 3.5 | 125.0 |
| SBD250432 | SBDH25038 | 28.0 | 31.0 | 38.1 | 78.5 | 8.6 | 29.9 | 5.7 | 1.2 | 4.9 | 0.8 | 5.1 | 1.0 | 3.0 | 0.4 | 2.8 | 0.5 | 30.9 | 211.4 | 38.5 | 3.5 | 127.0 |
| SBD250433 | SBDH25038 | 31.0 | 34.0 | 43.2 | 99.4 | 10.7 | 39.0 | 7.4 | 1.5 | 6.6 | 1.0 | 6.4 | 1.3 | 3.9 | 0.5 | 3.5 | 0.5 | 38.0 | 262.8 | 49.6 | 4.0 | 131.0 |
| SBD250434 | SBDH25038 | 34.0 | 37.0 | 39.1 | 101.7 | 10.1 | 37.4 | 8.3 | 1.6 | 6.5 | 1.1 | 6.4 | 1.3 | 3.6 | 0.5 | 3.2 | 0.5 | 37.2 | 258.3 | 47.5 | 4.5 | 160.0 |
| SBD250435 | SBDH25038 | 37.0 | 40.0 | 35.9 | 82.1 | 8.9 | 33.5 | 7.1 | 1.5 | 5.4 | 1.0 | 5.5 | 1.2 | 3.1 | 0.5 | 3.2 | 0.5 | 33.9 | 223.1 | 42.3 | 4.2 | 130.0 |
| SBD250436 | SBDH25038 | 40.0 | 43.0 | 37.6 | 81.4 | 8.1 | 29.9 | 6.1 | 1.2 | 4.7 | 0.8 | 5.0 | 1.1 | 3.2 | 0.5 | 3.3 | 0.5 | 30.4 | 213.7 | 38.0 | 3.8 | 139.0 |
| SBD250437 | SBDH25038 | 43.0 | 46.0 | 41.4 | 85.5 | 9.9 | 35.7 | 6.6 | 1.3 | 5.8 | 1.0 | 5.6 | 1.2 | 3.3 | 0.5 | 3.5 | 0.5 | 34.9 | 236.6 | 45.6 | 3.7 | 143.0 |
| SBD250438 | SBDH25038 | 46.0 | 49.0 | 27.3 | 60.2 | 6.5 | 24.7 | 5.0 | 0.8 | 4.1 | 0.7 | 4.1 | 0.9 | 2.3 | 0.4 | 2.4 | 0.4 | 24.0 | 163.6 | 31.2 | 3.0 | 100.0 |
| SBD250439 | SBDH25038 | 49.0 | 51.0 | 33.2 | 78.2 | 7.9 | 28.7 | 5.8 | 1.1 | 5.1 | 0.8 | 4.9 | 1.0 | 3.1 | 0.5 | 2.9 | 0.5 | 29.6 | 203.3 | 36.6 | 3.3 | 133.0 |
| SBD250440 | SBDH25038 | 51.0 | 53.0 | 25.7 | 52.5 | 6.1 | 21.7 | 4.5 | 0.8 | 3.9 | 0.7 | 4.3 | 0.9 | 3.1 | 0.4 | 2.8 | 0.5 | 27.2 | 155.1 | 27.8 | 2.6 | 110.0 |
| SBD250441 | SBDH25045 | 12.0 | 15.0 | 51.6 | 98.9 | 12.7 | 48.6 | 8.6 | 1.5 | 7.6 | 1.2 | 6.6 | 1.3 | 4.1 | 0.6 | 3.6 | 0.5 | 41.9 | 289.3 | 61.3 | 2.7 | 91.0 |
| SBD250442 | SBDH25045 | 15.0 | 18.0 | 59.3 | 114.9 | 13.2 | 49.6 | 8.9 | 1.6 | 7.5 | 1.2 | 7.0 | 1.4 | 3.8 | 0.6 | 3.4 | 0.5 | 42.2 | 315.0 | 62.8 | 3.3 | 110.0 |
| SBD250443 | SBDH25045 | 18.0 | 21.0 | 49.5 | 99.9 | 11.4 | 39.7 | 7.8 | 1.4 | 6.6 | 1.0 | 6.1 | 1.3 | 3.6 | 0.5 | 3.3 | 0.6 | 36.8 | 269.6 | 51.1 | 3.1 | 112.0 |
| SBD250444 | SBDH25045 | 21.0 | 24.0 | 42.7 | 88.3 | 9.7 | 33.7 | 6.0 | 1.3 | 5.5 | 1.0 | 5.1 | 1.1 | 3.1 | 0.5 | 3.1 | 0.5 | 31.6 | 233.2 | 43.4 | 2.7 | 116.0 |
| SBD250445 | SBDH25045 | 24.0 | 27.0 | 34.8 | 76.5 | 7.5 | 26.2 | 5.0 | 1.1 | 4.7 | 0.7 | 4.7 | 1.0 | 2.9 | 0.4 | 2.9 | 0.4 | 28.6 | 197.5 | 33.8 | 3.1 | 112.0 |
| SBD250446 | SBDH25045 | 27.0 | 30.0 | 40.6 | 94.5 | 9.8 | 36.7 | 7.1 | 1.4 | 6.1 | 1.0 | 5.8 | 1.2 | 3.5 | 0.5 | 3.2 | 0.5 | 33.7 | 245.4 | 46.5 | 2.9 | 120.0 |
| SBD250447 | SBDH25045 | 30.0 | 33.0 | 45.2 | 106.9 | 11.2 | 41.2 | 8.6 | 1.7 | 6.6 | 1.1 | 6.8 | 1.4 | 4.1 | 0.5 | 3.6 | 0.5 | 40.0 | 279.3 | 52.4 | 3.5 | 141.0 |
| SBD250448 | SBDH25045 | 33.0 | 36.0 | 42.7 | 102.2 | 10.1 | 38.0 | 7.9 | 1.4 | 6.1 | 1.0 | 5.7 | 1.2 | 3.5 | 0.5 | 3.1 | 0.4 | 35.2 | 259.0 | 48.2 | 3.9 | 149.0 |
| SBD250449 | SBDH25045 | 36.0 | 39.0 | 38.0 | 81.7 | 9.0 | 34.8 | 6.6 | 1.3 | 5.7 | 0.9 | 5.6 | 1.1 | 3.4 | 0.5 | 3.2 | 0.5 | 32.3 | 224.5 | 43.8 | 3.4 | 128.0 |
| SBD250450 | SBDH25045 | 39.0 | 42.0 | 40.6 | 89.2 | 10.4 | 38.3 | 7.6 | 1.6 | 6.8 | 1.0 | 7.1 | 1.2 | 3.8 | 0.5 | 3.8 | 0.5 | 40.6 | 252.9 | 48.6 | 3.6 | 145.0 |
| SBD250451 | SBDH25045 | 42.0 | 45.0 | 37.8 | 80.5 | 9.1 | 32.8 | 6.5 | 1.4 | 5.6 | 0.9 | 5.8 | 1.2 | 3.3 | 0.5 | 3.0 | 0.4 | 33.8 | 222.5 | 41.9 | 3.5 | 127.0 |
| SBD250452 | SBDH25045 | 45.0 | 48.0 | 30.5 | 57.4 | 6.9 | 24.7 | 5.0 | 0.9 | 4.2 | 0.7 | 4.1 | 0.8 | 2.5 | 0.4 | 2.4 | 0.4 | 23.1 | 164.0 | 31.7 | 3.1 | 116.0 |
| SBD250453 | SBDH25045 | 48.0 | 51.0 | 30.8 | 72.0 | 7.8 | 29.6 | 5.2 | 1.2 | 5.1 | 0.9 | 5.3 | 1.1 | 3.0 | 0.5 | 3.0 | 0.5 | 29.3 | 195.3 | 37.4 | 3.1 | 117.0 |
| SBD250454 | SBDH25045 | 51.0 | 53.0 | 31.5 | 69.8 | 7.5 | 28.1 | 5.3 | 1.1 | 4.4 | 0.8 | 4.8 | 0.9 | 2.9 | 0.4 | 2.6 | 0.5 | 26.8 | 187.2 | 35.6 | 3.3 | 122.0 |
| SBD250455 | SBDH25039 | 14.0 | 17.0 | 44.9 | 89.2 | 9.8 | 35.3 | 6.3 | 1.2 | 5.8 | 1.0 | 5.6 | 1.2 | 3.8 | 0.5 | 3.4 | 0.5 | 35.9 | 244.5 | 45.1 | 3.5 | 110.0 |
| SBD250456 | SBDH25039 | 17.0 | 20.0 | 41.3 | 90.0 | 9.8 | 34.6 | 6.5 | 1.2 | 5.4 | 0.9 | 5.3 | 1.1 | 3.1 | 0.4 | 3.2 | 0.5 | 33.0 | 236.4 | 44.5 | 3.1 | 112.0 |
| SBD250457 | SBDH25039 | 20.0 | 23.0 | 32.1 | 66.3 | 7.4 | 28.6 | 5.3 | 1.0 | 4.8 | 0.7 | 4.7 | 1.0 | 2.9 | 0.4 | 2.9 | 0.4 | 28.7 | 187.3 | 36.0 | 2.7 | 95.0 |
| SBD250458 | SBDH25039 | 23.0 | 26.0 | 45.7 | 92.4 | 12.1 | 45.5 | 8.6 | 1.7 | 7.5 | 1.1 | 7.0 | 1.5 | 4.1 | 0.6 | 3.6 | 0.6 | 43.9 | 275.9 | 57.6 | 3.2 | 122.0 |
| SBD250459 | SBDH25039 | 26.0 | 29.0 | 44.0 | 105.2 | 10.8 | 41.2 | 8.1 | 1.6 | 6.8 | 1.1 | 6.5 | 1.3 | 3.9 | 0.6 | 3.8 | 0.6 | 39.2 | 274.5 | 52.0 | 3.3 | 120.0 |
| SBD250460 | SBDH25039 | 29.0 | 32.0 | 39.4 | 80.2 | 9.3 | 34.3 | 6.6 | 1.2 | 5.5 | 0.9 | 6.0 | 1.3 | 3.5 | 0.5 | 3.6 | 0.6 | 36.3 | 229.2 | 43.5 | 3.6 | 116.0 |
| SBD250461 | SBDH25039 | 32.0 | 35.0 | 35.7 | 135.1 | 7.8 | 25.4 | 5.1 | 0.9 | 4.4 | 0.8 | 4.9 | 1.0 | 3.3 | 0.5 | 3.3 | 0.5 | 30.2 | 259.0 | 33.2 | 3.6 | 137.0 |
| SBD250462 | SBDH25039 | 35.0 | 37.0 | 43.4 | 259.2 | 9.8 | 35.1 | 7.1 | 1.4 | 6.5 | 1.1 | 7.0 | 1.4 | 4.1 | 0.7 | 4.3 | 0.6 | 40.3 | 422.0 | 44.9 | 3.8 | 103.0 |
| SBD250463 | SBDH25039 | 37.0 | 39.0 | 53.4 | 116.6 | 11.9 | 38.8 | 6.3 | 1.1 | 5.0 | 0.8 | 5.4 | 1.1 | 3.0 | 0.5 | 3.1 | 0.4 | 32.5 | 279.9 | 50.7 | 3.0 | 72.0 |
| SBD250464 | SBDH25028 | 16.0 | 19.0 | 41.2 | 87.3 | 9.3 | 32.3 | 6.1 | 1.0 | 4.9 | 0.9 | 5.4 | 1.1 | 3.5 | 0.5 | 3.6 | 0.5 | 35.3 | 233.0 | 41.6 | 4.7 | 112.0 |
| SBD250465 | SBDH25028 | 19.0 | 22.0 | 40.8 | 82.2 | 8.8 | 31.0 | 6.5 | 1.1 | 5.2 | 0.8 | 4.5 | 1.0 | 2.8 | 0.4 | 2.9 | 0.5 | 30.4 | 219.0 | 39.9 | 5.0 | 134.0 |
| SBD250466 | SBDH25028 | 22.0 | 25.0 | 38.0 | 78.6 | 9.0 | 32.8 | 5.9 | 1.2 | 5.4 | 0.9 | 5.2 | 1.1 | 3.2 | 0.5 | 3.3 | 0.5 | 33.9 | 219.3 | 41.7 | 4.4 | 117.0 |
| SBD250467 | SBDH25028 | 25.0 | 28.0 | 45.3 | 111.3 | 11.1 | 41.8 | 7.6 | 1.6 | 7.0 | 1.2 | 6.5 | 1.3 | 3.9 | 0.5 | 3.6 | 0.6 | 42.0 | 285.3 | 52.9 | 4.0 | 136.0 |
| SBD250468 | SBDH25028 | 28.0 | 31.0 | 51.5 | 115.6 | 12.7 | 46.5 | 7.7 | 1.8 | 7.3 | 1.2 | 6.6 | 1.3 | 3.9 | 0.6 | 3.6 | 0.6 | 43.0 | 303.9 | 59.2 | 4.5 | 150.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250469 | SBDH25028 | 31.0 | 34.0 | 43.2 | 92.3 | 9.9 | 35.1 | 6.8 | 1.5 | 5.6 | 1.0 | 6.0 | 1.1 | 3.4 | 0.5 | 3.3 | 0.5 | 34.5 | 244.7 | 45.0 | 4.1 | 146.0 |
| SBD250471 | SBDH25028 | 34.0 | 37.0 | 41.5 | 89.9 | 9.2 | 32.7 | 5.8 | 1.3 | 5.3 | 0.9 | 5.5 | 1.0 | 3.2 | 0.5 | 3.3 | 0.5 | 32.6 | 233.4 | 41.9 | 4.4 | 155.0 |
| SBD250472 | SBDH25028 | 37.0 | 40.0 | 32.8 | 72.1 | 7.3 | 26.8 | 5.0 | 0.9 | 4.3 | 0.8 | 4.5 | 0.9 | 2.6 | 0.4 | 2.8 | 0.5 | 26.9 | 188.6 | 34.2 | 3.6 | 125.0 |
| SBD250473 | SBDH25028 | 40.0 | 43.0 | 32.3 | 68.1 | 7.5 | 28.3 | 5.5 | 1.2 | 4.7 | 0.8 | 4.9 | 0.9 | 3.0 | 0.4 | 2.8 | 0.5 | 29.6 | 190.5 | 35.8 | 3.3 | 128.0 |
| SBD250474 | SBDH25028 | 43.0 | 46.0 | 44.8 | 94.7 | 10.6 | 38.8 | 7.5 | 1.6 | 6.6 | 1.1 | 6.5 | 1.4 | 3.9 | 0.5 | 3.4 | 0.6 | 39.4 | 261.5 | 49.4 | 4.4 | 172.0 |
| SBD250475 | SBDH25028 | 46.0 | 48.0 | 37.5 | 78.7 | 8.9 | 33.0 | 6.9 | 1.4 | 5.8 | 1.0 | 5.2 | 1.1 | 3.3 | 0.5 | 3.4 | 0.5 | 36.1 | 223.3 | 41.9 | 3.6 | 147.0 |
| SBD250476 | SBDH25028 | 48.0 | 51.0 | 32.7 | 68.2 | 7.9 | 28.2 | 5.3 | 1.2 | 5.0 | 0.8 | 4.6 | 1.0 | 2.9 | 0.5 | 2.9 | 0.5 | 29.3 | 191.1 | 36.1 | 3.5 | 135.0 |
| SBD250477 | SBDH25028 | 51.0 | 53.0 | 27.6 | 66.9 | 6.3 | 21.2 | 4.0 | 0.9 | 3.7 | 0.7 | 4.7 | 1.0 | 2.7 | 0.5 | 3.0 | 0.5 | 25.9 | 169.6 | 27.5 | 3.5 | 122.0 |
| SBD250478 | SBDH25023 | 10.0 | 13.0 | 38.9 | 78.7 | 8.8 | 33.4 | 5.6 | 1.3 | 5.5 | 0.9 | 5.0 | 1.0 | 2.9 | 0.5 | 2.6 | 0.4 | 33.4 | 219.0 | 42.2 | 2.5 | 75.0 |
| SBD250479 | SBDH25023 | 13.0 | 16.0 | 44.3 | 88.9 | 9.9 | 35.9 | 5.3 | 1.1 | 5.9 | 0.9 | 5.4 | 1.2 | 3.1 | 0.5 | 3.0 | 0.5 | 35.9 | 242.1 | 45.9 | 2.8 | 100.0 |
| SBD250480 | SBDH25023 | 16.0 | 19.0 | 53.4 | 109.7 | 12.3 | 42.5 | 7.3 | 1.4 | 6.9 | 1.1 | 7.3 | 1.4 | 4.3 | 0.7 | 3.9 | 0.6 | 46.2 | 299.0 | 54.7 | 3.8 | 134.0 |
| SBD250481 | SBDH25023 | 19.0 | 22.0 | 49.3 | 102.1 | 10.9 | 38.8 | 7.1 | 1.3 | 6.1 | 1.1 | 6.4 | 1.3 | 3.9 | 0.6 | 3.6 | 0.5 | 40.9 | 274.0 | 49.8 | 3.6 | 137.0 |
| SBD250482 | SBDH25023 | 22.0 | 25.0 | 39.3 | 77.9 | 7.8 | 27.5 | 4.9 | 1.0 | 4.7 | 0.8 | 4.7 | 0.9 | 2.8 | 0.4 | 2.8 | 0.4 | 30.4 | 206.3 | 35.3 | 3.0 | 132.0 |
| SBD250483 | SBDH25023 | 25.0 | 28.0 | 33.3 | 62.3 | 7.6 | 28.3 | 4.9 | 1.1 | 5.2 | 0.8 | 4.7 | 0.9 | 2.9 | 0.4 | 2.7 | 0.4 | 30.2 | 185.8 | 35.9 | 2.6 | 101.0 |
| SBD250484 | SBDH25023 | 28.0 | 31.0 | 47.9 | 106.6 | 11.2 | 40.5 | 7.1 | 1.5 | 6.5 | 1.0 | 5.9 | 1.3 | 3.5 | 0.5 | 3.6 | 0.6 | 38.0 | 275.8 | 51.7 | 3.5 | 145.0 |
| SBD250485 | SBDH25023 | 31.0 | 34.0 | 55.8 | 135.1 | 14.4 | 58.0 | 9.4 | 2.2 | 9.2 | 1.4 | 8.3 | 1.6 | 4.8 | 0.7 | 4.3 | 0.6 | 59.7 | 365.5 | 72.4 | 3.8 | 202.0 |
| SBD250486 | SBDH25023 | 34.0 | 37.0 | 50.4 | 101.8 | 11.6 | 43.2 | 7.5 | 1.5 | 7.1 | 1.1 | 6.3 | 1.3 | 3.5 | 0.5 | 3.4 | 0.5 | 39.6 | 279.4 | 54.7 | 3.9 | 174.0 |
| SBD250487 | SBDH25023 | 37.0 | 40.0 | 47.4 | 92.1 | 10.6 | 38.1 | 7.5 | 1.5 | 6.5 | 1.0 | 5.9 | 1.3 | 3.6 | 0.5 | 3.4 | 0.5 | 38.6 | 258.7 | 48.7 | 4.5 | 190.0 |
| SBD250488 | SBDH25023 | 40.0 | 43.0 | 33.1 | 66.5 | 8.1 | 29.0 | 5.2 | 1.0 | 4.1 | 0.7 | 4.0 | 0.8 | 2.5 | 0.4 | 2.6 | 0.4 | 22.5 | 180.7 | 37.1 | 3.4 | 125.0 |
| SBD250489 | SBDH25023 | 43.0 | 46.0 | 32.3 | 69.2 | 7.1 | 24.1 | 3.7 | 0.8 | 3.3 | 0.6 | 3.9 | 0.8 | 2.1 | 0.4 | 2.6 | 0.4 | 21.3 | 172.4 | 31.2 | 3.2 | 115.0 |
| SBD250490 | SBDH25023 | 46.0 | 49.0 | 33.3 | 76.8 | 7.0 | 22.0 | 4.2 | 0.7 | 3.3 | 0.6 | 3.8 | 0.8 | 2.5 | 0.4 | 2.6 | 0.4 | 22.9 | 181.3 | 29.0 | 3.2 | 107.0 |
| SBD250491 | SBDH25023 | 49.0 | 51.0 | 45.9 | 128.4 | 9.3 | 32.7 | 5.7 | 1.1 | 5.1 | 0.8 | 5.0 | 1.0 | 3.0 | 0.5 | 3.3 | 0.5 | 30.1 | 272.2 | 42.0 | 3.8 | 108.0 |
| SBD250492 | SBDH25023 | 51.0 | 53.0 | 76.3 | 139.4 | 17.7 | 62.5 | 10.7 | 2.0 | 8.5 | 1.4 | 8.4 | 1.6 | 4.5 | 0.7 | 4.4 | 0.6 | 51.0 | 389.8 | 80.2 | 5.3 | 111.0 |
| SBD250493 | SBDH25021 | 12.0 | 15.0 | 28.4 | 53.8 | 6.4 | 23.1 | 4.2 | 0.8 | 3.8 | 0.6 | 3.8 | 0.7 | 2.3 | 0.4 | 2.6 | 0.4 | 25.3 | 156.6 | 29.5 | 2.4 | 65.0 |
| SBD250494 | SBDH25021 | 15.0 | 18.0 | 24.3 | 51.0 | 5.4 | 20.9 | 3.5 | 0.8 | 3.3 | 0.5 | 3.1 | 0.6 | 1.9 | 0.3 | 2.0 | 0.3 | 20.6 | 138.5 | 26.3 | 2.1 | 84.0 |
| SBD250495 | SBDH25021 | 18.0 | 21.0 | 45.0 | 84.1 | 10.5 | 38.7 | 7.2 | 1.4 | 5.7 | 0.9 | 5.9 | 1.2 | 3.2 | 0.5 | 3.6 | 0.5 | 36.6 | 245.3 | 49.2 | 3.1 | 130.0 |
| SBD250496 | SBDH25021 | 21.0 | 24.0 | 35.5 | 82.3 | 7.2 | 29.5 | 5.5 | 1.1 | 5.2 | 0.7 | 5.5 | 1.0 | 3.1 | 0.5 | 3.5 | 0.6 | 33.1 | 214.3 | 36.7 | 3.1 | 111.0 |
| SBD250497 | SBDH25021 | 24.0 | 27.0 | 46.1 | 109.8 | 10.3 | 34.4 | 7.2 | 1.4 | 6.1 | 0.9 | 5.2 | 1.1 | 3.3 | 0.5 | 3.7 | 0.6 | 31.1 | 261.7 | 44.7 | 3.9 | 151.0 |
| SBD250498 | SBDH25021 | 27.0 | 30.0 | 49.1 | 98.6 | 11.0 | 37.4 | 6.7 | 1.6 | 6.9 | 1.1 | 6.4 | 1.2 | 3.7 | 0.5 | 3.7 | 0.6 | 38.5 | 267.0 | 48.4 | 4.0 | 155.0 |
| SBD250499 | SBDH25021 | 30.0 | 33.0 | 44.8 | 94.0 | 10.5 | 37.6 | 7.8 | 1.6 | 6.7 | 1.0 | 6.2 | 1.2 | 3.8 | 0.5 | 3.8 | 0.6 | 38.7 | 258.8 | 48.1 | 3.7 | 138.0 |
| SBD250500 | SBDH25021 | 33.0 | 36.0 | 33.4 | 71.7 | 7.9 | 27.3 | 5.1 | 1.1 | 5.1 | 0.7 | 4.7 | 1.0 | 3.0 | 0.4 | 2.9 | 0.6 | 26.4 | 191.3 | 35.2 | 3.5 | 138.0 |
| SBD250501 | SBDH25021 | 36.0 | 39.0 | 44.6 | 97.0 | 10.6 | 36.3 | 6.7 | 1.6 | 6.3 | 1.0 | 6.3 | 1.3 | 4.2 | 0.6 | 3.8 | 0.6 | 36.3 | 257.2 | 46.9 | 4.3 | 160.0 |
| SBD250502 | SBDH25021 | 39.0 | 42.0 | 35.8 | 75.3 | 8.2 | 26.5 | 5.0 | 1.0 | 4.8 | 0.8 | 4.4 | 0.9 | 2.7 | 0.4 | 3.1 | 0.6 | 26.0 | 195.5 | 34.6 | 3.7 | 146.0 |
| SBD250503 | SBDH25021 | 42.0 | 45.0 | 24.2 | 52.7 | 5.3 | 16.6 | 3.4 | 0.7 | 3.0 | 0.5 | 3.2 | 0.7 | 1.7 | 0.3 | 2.2 | 0.4 | 19.2 | 133.9 | 21.9 | 2.4 | 99.0 |
| SBD250504 | SBDH25021 | 45.0 | 48.0 | 41.8 | 97.4 | 9.5 | 32.5 | 6.3 | 1.4 | 6.1 | 1.0 | 6.1 | 1.2 | 3.6 | 0.5 | 3.6 | 0.6 | 37.8 | 249.5 | 42.0 | 4.2 | 146.0 |
| SBD250505 | SBDH25021 | 48.0 | 51.0 | 48.1 | 109.6 | 12.1 | 44.7 | 8.0 | 1.6 | 6.8 | 1.1 | 6.1 | 1.3 | 3.8 | 0.5 | 3.6 | 0.5 | 37.8 | 285.6 | 56.8 | 3.7 | 123.0 |
| SBD250506 | SBDH25021 | 51.0 | 54.0 | 102.3 | 270.2 | 35.2 | 141.1 | 28.5 | 4.1 | 18.2 | 2.1 | 10.5 | 1.7 | 4.5 | 0.7 | 4.2 | 0.6 | 51.6 | 675.5 | 176.3 | 7.5 | 107.0 |
| SBD250507 | SBDH25021 | 54.0 | 56.0 | 179.4 | 448.4 | 61.3 | 240.3 | 46.4 | 8.2 | 30.1 | 3.6 | 16.5 | 2.2 | 5.7 | 0.8 | 4.5 | 0.6 | 63.7 | 1111.8 | 301.5 | 10.1 | 115.0 |
| SBD250508 | SBDH25019 | 8.0 | 11.0 | 47.0 | 95.1 | 11.3 | 37.1 | 7.7 | 1.5 | 6.9 | 1.2 | 6.5 | 1.3 | 3.8 | 0.6 | 3.5 | 0.7 | 38.7 | 262.8 | 48.4 | 2.8 | 92.0 |
| SBD250509 | SBDH25019 | 11.0 | 14.0 | 48.9 | 96.7 | 11.4 | 40.9 | 8.0 | 1.3 | 6.4 | 1.1 | 5.8 | 1.1 | 3.9 | 0.5 | 3.7 | 0.6 | 39.4 | 269.8 | 52.4 | 2.9 | 94.0 |
| SBD250510 | SBDH25019 | 14.0 | 17.0 | 26.3 | 50.6 | 5.5 | 21.7 | 4.1 | 0.8 | 4.0 | 0.6 | 3.7 | 0.7 | 2.2 | 0.3 | 2.2 | 0.4 | 24.5 | 147.6 | 27.2 | 2.8 | 54.0 |
| SBD250511 | SBDH25019 | 17.0 | 20.0 | 40.2 | 82.1 | 9.2 | 33.4 | 6.4 | 1.1 | 6.2 | 0.9 | 5.4 | 1.0 | 3.4 | 0.4 | 3.1 | 0.5 | 34.9 | 228.3 | 42.5 | 3.9 | 97.0 |
| SBD250512 | SBDH25019 | 20.0 | 23.0 | 27.2 | 49.4 | 5.8 | 20.1 | 4.0 | 0.7 | 3.4 | 0.6 | 3.4 | 0.7 | 2.3 | 0.3 | 2.4 | 0.4 | 22.6 | 143.3 | 25.9 | 3.1 | 106.0 |
| SBD250513 | SBDH25019 | 23.0 | 26.0 | 49.5 | 125.3 | 12.0 | 45.8 | 9.1 | 1.8 | 7.9 | 1.3 | 6.8 | 1.4 | 4.2 | 0.6 | 4.2 | 0.7 | 45.0 | 315.7 | 57.9 | 4.2 | 126.0 |
| SBD250514 | SBDH25019 | 26.0 | 29.0 | 43.7 | 81.9 | 10.0 | 36.6 | 6.4 | 1.2 | 5.8 | 1.0 | 5.9 | 1.1 | 3.5 | 0.5 | 3.3 | 0.8 | 34.7 | 236.4 | 46.7 | 3.9 | 116.0 |
| SBD250515 | SBDH25019 | 29.0 | 32.0 | 56.5 | 120.5 | 13.9 | 51.1 | 9.3 | 1.9 | 8.6 | 1.4 | 8.5 | 1.5 | 4.5 | 0.6 | 4.1 | 0.6 | 48.6 | 331.8 | 65.0 | 4.3 | 151.0 |
| SBD250516 | SBDH25019 | 32.0 | 35.0 | 42.1 | 95.4 | 10.1 | 34.9 | 7.7 | 1.3 | 6.5 | 1.1 | 5.7 | 1.1 | 3.8 | 0.6 | 3.5 | 0.5 | 35.8 | 250.2 | 45.0 | 3.9 | 135.0 |
| SBD250517 | SBDH25019 | 35.0 | 38.0 | 46.9 | 101.3 | 11.0 | 37.8 | 7.9 | 1.6 | 6.9 | 1.0 | 6.6 | 1.2 | 4.1 | 0.6 | 3.9 | 0.8 | 38.4 | 269.9 | 48.8 | 3.8 | 157.0 |
| SBD250519 | SBDH25019 | 38.0 | 41.0 | 43.5 | 90.7 | 10.4 | 34.4 | 7.2 | 1.5 | 6.1 | 1.0 | 5.9 | 1.2 | 3.5 | 0.5 | 3.3 | 0.6 | 34.2 | 244.1 | 44.8 | 3.9 | 164.0 |
| SBD250520 | SBDH25019 | 41.0 | 44.0 | 32.4 | 70.6 | 7.2 | 25.9 | 5.3 | 1.2 | 4.8 | 0.8 | 4.0 | 1.0 | 3.0 | 0.5 | 2.9 | 0.5 | 27.3 | 187.2 | 33.0 | 3.0 | 121.0 |
| SBD250521 | SBDH25015 | 10.0 | 13.0 | 37.8 | 74.4 | 8.8 | 30.9 | 7.2 | 0.9 | 5.4 | 0.8 | 5.6 | 1.1 | 3.4 | 0.4 | 3.3 | 0.5 | 33.3 | 213.9 | 39.7 | 3.1 | 72.0 |
| SBD250522 | SBDH25015 | 13.0 | 16.0 | 34.2 | 68.3 | 7.9 | 25.5 | 5.1 | 0.8 | 5.4 | 0.8 | 5.2 | 1.0 | 3.1 | 0.4 | 3.4 | 0.6 | 31.5 | 193.2 | 33.5 | 2.9 | 72.0 |
| SBD250523 | SBDH25015 | 16.0 | 19.0 | 46.7 | 92.4 | 10.3 | 37.0 | 6.5 | 1.1 | 6.3 | 1.0 | 6.0 | 1.2 | 4.0 | 0.6 | 3.6 | 0.5 | 39.7 | 257.0 | 47.3 | 3.5 | 104.0 |
| SBD250524 | SBDH25015 | 19.0 | 22.0 | 26.2 | 48.0 | 5.9 | 19.8 | 4.0 | 0.6 | 3.6 | 0.5 | 3.3 | 0.6 | 2.2 | 0.3 | 2.0 | 0.4 | 19.7 | 137.2 | 25.7 | 2.5 | 88.0 |
| SBD250525 | SBDH25015 | 22.0 | 25.0 | 43.0 | 92.9 | 8.7 | 32.2 | 6.5 | 1.1 | 6.0 | 1.0 | 5.5 | 1.0 | 3.4 | 0.5 | 3.4 | 0.7 | 33.0 | 238.9 | 40.9 | 3.8 | 137.0 |
| SBD250526 | SBDH25015 | 25.0 | 28.0 | 44.6 | 88.8 | 11.4 | 38.6 | 7.7 | 1.5 | 6.8 | 1.1 | 6.6 | 1.3 | 4.3 | 0.5 | 4.3 | 0.6 | 40.4 | 258.5 | 50.0 | 4.3 | 116.0 |
| SBD250527 | SBDH25015 | 28.0 | 31.0 | 25.1 | 56.3 | 5.6 | 21.5 | 4.0 | 0.8 | 4.2 | 0.7 | 4.3 | 0.9 | 3.0 | 0.5 | 3.2 | 0.5 | 26.8 | 157.2 | 27.1 | 3.2 | 83.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250528 | SBDH25015 | 31.0 | 34.0 | 25.3 | 53.9 | 5.4 | 20.3 | 3.6 | 0.8 | 4.3 | 0.7 | 3.7 | 0.8 | 2.6 | 0.4 | 2.5 | 0.5 | 26.3 | 151.2 | 25.7 | 3.1 | 92.0 |
| SBD250529 | SBDH25015 | 34.0 | 36.0 | 55.2 | 129.6 | 16.0 | 65.0 | 13.0 | 2.5 | 10.2 | 1.3 | 6.0 | 1.0 | 3.0 | 0.4 | 3.1 | 0.5 | 29.5 | 336.2 | 81.0 | 4.3 | 72.0 |
| SBD250530 | SBDH25015 | 36.0 | 38.0 | 48.7 | 98.4 | 12.4 | 51.2 | 12.1 | 2.4 | 10.5 | 1.2 | 6.3 | 1.1 | 3.0 | 0.4 | 2.8 | 0.5 | 30.6 | 281.5 | 63.6 | 4.6 | 81.0 |
| SBD250531 | SBDH25012 | 10.0 | 13.0 | 33.1 | 73.9 | 7.3 | 24.4 | 5.5 | 1.0 | 3.8 | 0.7 | 4.3 | 0.9 | 2.6 | 0.4 | 2.7 | 0.4 | 27.0 | 188.1 | 31.7 | 2.4 | 61.0 |
| SBD250532 | SBDH25012 | 13.0 | 16.0 | 47.3 | 90.2 | 10.2 | 37.8 | 7.1 | 1.2 | 6.3 | 0.9 | 6.8 | 1.3 | 3.8 | 0.5 | 3.5 | 0.6 | 40.1 | 257.7 | 48.0 | 3.9 | 89.0 |
| SBD250533 | SBDH25012 | 16.0 | 19.0 | 48.8 | 93.0 | 11.0 | 40.6 | 7.8 | 1.1 | 7.2 | 1.0 | 7.1 | 1.3 | 4.3 | 0.6 | 4.7 | 0.6 | 50.7 | 279.8 | 51.6 | 4.1 | 124.0 |
| SBD250534 | SBDH25012 | 19.0 | 22.0 | 43.9 | 89.8 | 10.4 | 39.1 | 7.7 | 1.4 | 6.3 | 0.9 | 6.0 | 1.2 | 3.9 | 0.5 | 3.7 | 0.7 | 39.9 | 255.3 | 49.5 | 3.7 | 126.0 |
| SBD250535 | SBDH25012 | 22.0 | 25.0 | 31.1 | 58.8 | 6.9 | 26.8 | 4.5 | 0.8 | 4.6 | 0.7 | 5.2 | 1.1 | 3.5 | 0.5 | 3.1 | 0.5 | 33.1 | 181.1 | 33.7 | 3.1 | 111.0 |
| SBD250536 | SBDH25012 | 25.0 | 28.0 | 17.1 | 33.3 | 3.8 | 12.2 | 2.4 | 0.5 | 2.2 | 0.3 | 2.4 | 0.5 | 1.7 | 0.3 | 1.8 | 0.3 | 15.6 | 94.5 | 16.0 | 2.1 | 90.0 |
| SBD250537 | SBDH25012 | 28.0 | 31.0 | 31.4 | 71.1 | 8.2 | 28.3 | 6.4 | 1.0 | 5.5 | 0.9 | 5.5 | 1.1 | 4.1 | 0.5 | 3.4 | 0.5 | 35.9 | 204.0 | 36.6 | 3.6 | 105.0 |
| SBD250538 | SBDH25012 | 31.0 | 34.0 | 35.8 | 71.2 | 9.0 | 32.0 | 5.8 | 1.1 | 5.4 | 0.8 | 5.5 | 1.0 | 3.0 | 0.4 | 3.1 | 0.5 | 34.2 | 208.7 | 40.9 | 3.5 | 110.0 |
| SBD250539 | SBDH25012 | 34.0 | 37.0 | 48.0 | 96.3 | 11.4 | 39.5 | 6.8 | 1.4 | 6.7 | 1.0 | 5.7 | 1.1 | 4.0 | 0.5 | 3.3 | 0.4 | 38.1 | 264.4 | 50.9 | 4.0 | 144.0 |
| SBD250540 | SBDH25012 | 37.0 | 40.0 | 40.7 | 89.2 | 10.2 | 38.6 | 7.5 | 1.8 | 6.1 | 1.0 | 6.6 | 1.2 | 3.7 | 0.5 | 2.8 | 0.5 | 36.2 | 246.7 | 48.8 | 3.9 | 115.0 |
| SBD250541 | SBDH25012 | 40.0 | 43.0 | 35.9 | 76.5 | 7.6 | 29.0 | 6.8 | 1.2 | 4.6 | 0.7 | 5.3 | 0.9 | 3.0 | 0.4 | 2.9 | 0.5 | 30.9 | 206.2 | 36.7 | 3.8 | 128.0 |
| SBD250542 | SBDH25012 | 43.0 | 46.0 | 26.2 | 51.5 | 5.7 | 21.8 | 3.7 | 0.9 | 3.3 | 0.6 | 3.6 | 0.8 | 2.4 | 0.4 | 2.6 | 0.4 | 24.6 | 148.6 | 27.5 | 3.1 | 107.0 |
| SBD250543 | SBDH25012 | 46.0 | 48.0 | 29.6 | 58.7 | 7.1 | 24.8 | 4.8 | 0.9 | 4.5 | 0.7 | 4.1 | 0.8 | 2.7 | 0.3 | 2.4 | 0.4 | 28.2 | 169.9 | 31.9 | 2.9 | 93.0 |
| SBD250544 | SBDH25012 | 48.0 | 50.0 | 28.1 | 53.8 | 6.3 | 23.2 | 4.5 | 0.9 | 3.8 | 0.7 | 4.0 | 0.7 | 2.4 | 0.3 | 2.4 | 0.5 | 22.9 | 154.5 | 29.5 | 3.2 | 91.0 |
| SBD250545 | SBDH25012 | 50.0 | 53.0 | 36.2 | 70.9 | 8.2 | 27.9 | 5.6 | 0.8 | 4.3 | 0.7 | 4.4 | 0.9 | 2.7 | 0.4 | 2.3 | 0.4 | 23.5 | 189.2 | 36.1 | 3.3 | 129.0 |
| SBD250546 | SBDH25002 | 8.0 | 11.0 | 35.1 | 81.8 | 8.1 | 27.3 | 4.3 | 1.1 | 4.7 | 0.8 | 5.3 | 1.2 | 4.2 | 0.5 | 3.6 | 0.7 | 37.8 | 216.4 | 35.4 | 3.3 | 78.0 |
| SBD250547 | SBDH25002 | 11.0 | 14.0 | 44.8 | 85.6 | 10.1 | 37.2 | 6.8 | 1.6 | 7.2 | 1.2 | 7.4 | 1.6 | 4.6 | 0.8 | 5.0 | 0.8 | 49.3 | 263.9 | 47.3 | 3.7 | 96.0 |
| SBD250548 | SBDH25002 | 14.0 | 17.0 | 51.3 | 99.4 | 11.6 | 39.1 | 6.9 | 1.5 | 6.8 | 1.0 | 6.9 | 1.5 | 5.1 | 0.7 | 4.6 | 0.8 | 49.0 | 286.2 | 50.7 | 4.4 | 109.0 |
| SBD250549 | SBDH25002 | 17.0 | 20.0 | 53.2 | 105.2 | 11.8 | 44.2 | 7.5 | 1.4 | 7.3 | 1.2 | 8.3 | 1.6 | 4.5 | 0.7 | 4.5 | 0.7 | 47.0 | 299.1 | 56.0 | 4.6 | 111.0 |
| SBD250550 | SBDH25002 | 20.0 | 23.0 | 46.2 | 89.6 | 10.5 | 33.6 | 6.4 | 1.3 | 6.6 | 1.0 | 7.1 | 1.4 | 4.3 | 0.6 | 4.6 | 0.6 | 45.5 | 259.3 | 44.0 | 4.0 | 116.0 |
| SBD250551 | SBDH25002 | 23.0 | 26.0 | 27.3 | 51.0 | 6.1 | 21.7 | 4.5 | 0.8 | 3.4 | 0.6 | 4.0 | 0.8 | 2.2 | 0.4 | 2.6 | 0.4 | 23.4 | 149.1 | 27.8 | 2.8 | 89.0 |
| SBD250552 | SBDH25002 | 26.0 | 29.0 | 26.6 | 44.3 | 6.1 | 21.3 | 4.0 | 0.8 | 3.8 | 0.6 | 4.0 | 0.8 | 2.5 | 0.4 | 2.6 | 0.4 | 24.1 | 142.3 | 27.5 | 2.8 | 86.0 |
| SBD250553 | SBDH25002 | 29.0 | 32.0 | 35.5 | 71.0 | 7.8 | 31.1 | 5.1 | 0.9 | 5.1 | 0.7 | 4.3 | 0.9 | 2.6 | 0.4 | 2.6 | 0.5 | 28.7 | 197.2 | 38.9 | 3.2 | 112.0 |
| SBD250554 | SBDH25002 | 32.0 | 35.0 | 38.2 | 71.2 | 8.6 | 27.2 | 5.3 | 1.1 | 4.8 | 0.8 | 4.9 | 1.0 | 2.7 | 0.4 | 2.9 | 0.5 | 28.7 | 198.5 | 35.8 | 3.5 | 166.0 |
| SBD250555 | SBDH25002 | 35.0 | 38.0 | 33.8 | 68.5 | 7.3 | 25.0 | 5.1 | 0.8 | 4.2 | 0.7 | 4.3 | 0.9 | 2.9 | 0.4 | 3.0 | 0.5 | 28.2 | 185.6 | 32.3 | 3.4 | 138.0 |
| SBD250556 | SBDH25002 | 38.0 | 41.0 | 30.7 | 68.2 | 6.7 | 21.5 | 4.5 | 1.1 | 3.6 | 0.6 | 3.6 | 0.8 | 2.1 | 0.4 | 2.8 | 0.4 | 24.1 | 171.1 | 28.2 | 3.5 | 105.0 |
| SBD250557 | SBDH25002 | 41.0 | 44.0 | 33.2 | 66.6 | 6.7 | 22.4 | 4.4 | 0.9 | 3.4 | 0.6 | 4.3 | 0.7 | 2.6 | 0.4 | 2.8 | 0.4 | 23.4 | 172.6 | 29.1 | 3.4 | 91.0 |
| SBD250558 | SBDH25002 | 44.0 | 47.0 | 29.4 | 58.8 | 6.7 | 19.7 | 3.4 | 0.6 | 3.0 | 0.7 | 4.6 | 0.8 | 3.0 | 0.4 | 3.4 | 0.5 | 25.3 | 160.3 | 26.4 | 3.2 | 71.0 |
| SBD250559 | SBDH25002 | 47.0 | 50.0 | 25.1 | 57.6 | 5.5 | 18.2 | 3.2 | 0.6 | 2.4 | 0.5 | 3.1 | 0.7 | 2.3 | 0.4 | 2.4 | 0.3 | 20.8 | 143.2 | 23.7 | 3.2 | 52.0 |
| SBD250560 | SBDH25004 | 8.0 | 11.0 | 49.0 | 94.5 | 10.7 | 39.4 | 8.2 | 1.6 | 6.5 | 1.0 | 6.8 | 1.3 | 4.6 | 0.6 | 4.4 | 0.7 | 43.7 | 272.9 | 50.1 | 3.5 | 85.0 |
| SBD250561 | SBDH25004 | 11.0 | 14.0 | 36.4 | 73.7 | 8.3 | 28.8 | 5.2 | 1.0 | 5.5 | 0.8 | 5.4 | 1.1 | 3.4 | 0.5 | 2.9 | 0.6 | 33.1 | 206.6 | 37.1 | 3.2 | 78.0 |
| SBD250562 | SBDH25004 | 14.0 | 17.0 | 45.6 | 87.1 | 10.0 | 36.4 | 6.9 | 1.3 | 6.3 | 0.9 | 6.6 | 1.3 | 3.9 | 0.5 | 4.0 | 0.6 | 39.7 | 251.1 | 46.4 | 3.5 | 103.0 |
| SBD250563 | SBDH25004 | 17.0 | 20.0 | 34.0 | 62.8 | 7.9 | 27.2 | 4.8 | 0.8 | 4.1 | 0.7 | 4.9 | 1.0 | 3.4 | 0.4 | 3.0 | 0.6 | 31.6 | 187.3 | 35.1 | 3.0 | 94.0 |
| SBD250564 | SBDH25004 | 20.0 | 23.0 | 43.2 | 83.2 | 10.1 | 36.4 | 5.9 | 1.2 | 5.3 | 0.9 | 4.9 | 1.0 | 3.2 | 0.5 | 3.3 | 0.6 | 34.4 | 233.8 | 46.4 | 3.8 | 155.0 |
| SBD250565 | SBDH25004 | 23.0 | 26.0 | 40.7 | 83.2 | 9.8 | 32.1 | 6.8 | 1.2 | 5.2 | 0.9 | 4.9 | 0.9 | 3.1 | 0.4 | 3.0 | 0.5 | 30.7 | 223.4 | 41.9 | 3.1 | 107.0 |
| SBD250566 | SBDH25004 | 26.0 | 27.0 | 29.7 | 54.2 | 6.8 | 23.0 | 3.6 | 0.7 | 3.6 | 0.6 | 4.2 | 0.8 | 2.4 | 0.4 | 3.1 | 0.5 | 25.1 | 158.6 | 29.7 | 3.6 | 54.0 |
| SBD250567 | SBDH25005 | 8.0 | 11.0 | 43.6 | 80.5 | 10.6 | 37.6 | 5.9 | 1.1 | 5.9 | 0.9 | 5.8 | 1.1 | 3.3 | 0.5 | 3.4 | 0.6 | 35.6 | 236.4 | 48.2 | 2.7 | 79.0 |
| SBD250568 | SBDH25005 | 11.0 | 14.0 | 32.8 | 65.2 | 6.9 | 24.3 | 5.0 | 0.9 | 4.1 | 0.7 | 3.9 | 0.9 | 2.9 | 0.4 | 2.4 | 0.4 | 27.3 | 178.1 | 31.2 | 2.9 | 85.0 |
| SBD250569 | SBDH25005 | 14.0 | 17.0 | 24.9 | 45.7 | 5.4 | 18.9 | 4.3 | 0.7 | 3.2 | 0.6 | 3.6 | 0.7 | 2.1 | 0.3 | 1.9 | 0.2 | 22.0 | 134.4 | 24.3 | 2.6 | 53.0 |
| SBD250570 | SBDH25005 | 17.0 | 20.0 | 41.5 | 81.3 | 9.4 | 34.6 | 6.5 | 1.3 | 5.8 | 0.8 | 5.7 | 1.1 | 3.6 | 0.5 | 3.5 | 0.7 | 34.5 | 231.0 | 44.1 | 3.8 | 100.0 |
| SBD250571 | SBDH25005 | 20.0 | 23.0 | 43.5 | 81.9 | 9.3 | 32.2 | 6.6 | 1.1 | 5.4 | 0.9 | 5.9 | 1.3 | 3.5 | 0.6 | 4.0 | 0.5 | 40.8 | 237.4 | 41.5 | 3.7 | 117.0 |
| SBD250572 | SBDH25005 | 23.0 | 26.0 | 46.7 | 87.6 | 11.7 | 42.0 | 6.9 | 1.7 | 6.8 | 1.1 | 6.6 | 1.3 | 4.4 | 0.6 | 3.7 | 0.7 | 43.9 | 265.8 | 53.7 | 4.4 | 134.0 |
| SBD250573 | SBDH25005 | 26.0 | 29.0 | 46.9 | 98.3 | 10.6 | 38.8 | 6.9 | 1.4 | 6.2 | 1.0 | 6.4 | 1.2 | 3.7 | 0.5 | 3.1 | 0.6 | 35.0 | 260.6 | 49.4 | 4.8 | 149.0 |
| SBD250574 | SBDH25005 | 29.0 | 32.0 | 49.4 | 102.6 | 11.9 | 38.7 | 7.4 | 1.3 | 6.0 | 1.0 | 6.6 | 1.2 | 3.9 | 0.5 | 3.5 | 0.7 | 39.2 | 273.9 | 50.6 | 4.9 | 138.0 |
| SBD250575 | SBDH25005 | 32.0 | 35.0 | 47.0 | 91.9 | 10.7 | 37.6 | 6.7 | 1.5 | 6.1 | 1.0 | 5.6 | 1.2 | 3.8 | 0.5 | 3.3 | 0.5 | 35.0 | 252.4 | 48.2 | 4.2 | 131.0 |
| SBD250576 | SBDH25005 | 35.0 | 38.0 | 49.3 | 114.7 | 10.6 | 33.7 | 5.8 | 1.2 | 4.7 | 0.8 | 4.9 | 1.0 | 2.9 | 0.4 | 3.3 | 0.5 | 27.9 | 261.6 | 44.4 | 4.3 | 94.0 |
| SBD250577 | SBDH25005 | 38.0 | 39.0 | 45.6 | 84.4 | 10.5 | 32.2 | 7.0 | 1.4 | 4.9 | 0.8 | 5.0 | 0.9 | 3.0 | 0.4 | 3.4 | 0.5 | 30.1 | 230.2 | 42.7 | 4.0 | 58.0 |
| SBD250579 | SBDH25069 | 14.0 | 17.0 | 61.5 | 111.5 | 14.1 | 48.3 | 9.2 | 1.5 | 7.7 | 1.2 | 7.5 | 1.5 | 4.7 | 0.7 | 4.0 | 0.6 | 47.0 | 321.0 | 62.4 | 3.2 | 72.0 |
| SBD250580 | SBDH25069 | 17.0 | 20.0 | 55.9 | 111.8 | 13.7 | 45.5 | 8.0 | 1.6 | 7.7 | 1.1 | 7.0 | 1.3 | 4.2 | 0.6 | 4.0 | 0.7 | 45.5 | 308.6 | 59.1 | 3.2 | 97.0 |
| SBD250581 | SBDH25069 | 20.0 | 23.0 | 55.4 | 111.5 | 12.8 | 46.2 | 8.8 | 1.6 | 7.3 | 1.1 | 7.1 | 1.4 | 4.7 | 0.6 | 4.3 | 0.8 | 42.9 | 306.6 | 59.0 | 3.5 | 107.0 |
| SBD250582 | SBDH25069 | 23.0 | 26.0 | 50.4 | 97.3 | 11.1 | 40.2 | 7.6 | 1.6 | 7.0 | 1.0 | 6.9 | 1.2 | 3.9 | 0.4 | 3.7 | 0.5 | 36.3 | 269.2 | 51.3 | 3.3 | 119.0 |
| SBD250583 | SBDH25069 | 26.0 | 29.0 | 45.4 | 88.6 | 10.0 | 34.1 | 6.9 | 1.3 | 5.5 | 0.9 | 5.7 | 1.2 | 3.8 | 0.5 | 3.6 | 0.6 | 37.6 | 245.5 | 44.1 | 3.8 | 114.0 |
| SBD250584 | SBDH25069 | 29.0 | 32.0 | 31.2 | 58.7 | 6.7 | 22.6 | 4.3 | 0.8 | 3.5 | 0.6 | 3.4 | 0.7 | 2.4 | 0.3 | 2.0 | 0.4 | 22.1 | 159.9 | 29.4 | 2.5 | 99.0 |
| SBD250585 | SBDH25069 | 32.0 | 35.0 | 25.3 | 49.5 | 5.4 | 19.7 | 3.4 | 0.8 | 3.1 | 0.5 | 3.3 | 0.6 | 2.1 | 0.3 | 2.0 | 0.3 | 19.4 | 135.7 | 25.1 | 2.7 | 93.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250586 | SBDH25069 | 35.0 | 37.0 | 38.1 | 64.1 | 7.3 | 24.8 | 3.9 | 0.9 | 3.2 | 0.7 | 4.4 | 0.8 | 2.9 | 0.4 | 3.1 | 0.4 | 24.9 | 180.0 | 32.2 | 3.3 | 146.0 |
| SBD250587 | SBDH25064 | 10.0 | 13.0 | 76.2 | 140.7 | 17.4 | 63.5 | 10.0 | 2.0 | 9.5 | 1.4 | 9.0 | 1.8 | 5.9 | 0.7 | 5.1 | 0.7 | 57.4 | 401.3 | 80.9 | 3.5 | 83.0 |
| SBD250588 | SBDH25064 | 13.0 | 16.0 | 76.0 | 138.2 | 17.4 | 61.9 | 9.7 | 2.1 | 9.8 | 1.3 | 9.1 | 1.8 | 5.2 | 0.7 | 4.8 | 0.9 | 52.1 | 391.0 | 79.3 | 3.7 | 101.0 |
| SBD250589 | SBDH25064 | 16.0 | 19.0 | 72.6 | 137.0 | 16.7 | 57.5 | 10.5 | 1.8 | 9.0 | 1.5 | 9.0 | 1.7 | 5.0 | 0.7 | 4.7 | 0.7 | 51.4 | 379.9 | 74.2 | 3.9 | 105.0 |
| SBD250590 | SBDH25064 | 19.0 | 22.0 | 57.5 | 109.8 | 13.3 | 45.8 | 8.4 | 1.5 | 7.1 | 1.1 | 6.9 | 1.3 | 4.5 | 0.5 | 3.9 | 0.6 | 44.3 | 306.7 | 59.1 | 3.3 | 96.0 |
| SBD250591 | SBDH25064 | 22.0 | 25.0 | 42.9 | 85.4 | 10.0 | 34.5 | 6.5 | 1.4 | 5.9 | 0.7 | 5.5 | 1.1 | 3.2 | 0.5 | 3.4 | 0.6 | 32.6 | 234.1 | 44.5 | 3.2 | 96.0 |
| SBD250592 | SBDH25064 | 25.0 | 28.0 | 50.1 | 98.5 | 11.5 | 41.3 | 7.7 | 1.7 | 6.2 | 1.0 | 6.2 | 1.2 | 3.7 | 0.5 | 3.7 | 0.7 | 38.4 | 272.4 | 52.8 | 4.0 | 128.0 |
| SBD250593 | SBDH25064 | 28.0 | 31.0 | 30.4 | 51.7 | 6.0 | 19.4 | 3.1 | 0.8 | 2.5 | 0.4 | 3.0 | 0.7 | 2.5 | 0.3 | 2.4 | 0.4 | 21.3 | 144.9 | 25.4 | 3.3 | 92.0 |
| SBD250594 | SBDH25064 | 31.0 | 34.0 | 18.1 | 29.7 | 3.4 | 12.0 | 2.7 | 0.4 | 2.2 | 0.4 | 2.8 | 0.5 | 1.9 | 0.3 | 2.2 | 0.4 | 17.8 | 94.7 | 15.4 | 2.9 | 58.0 |
| SBD250595 | SBDH25060 | 14.0 | 17.0 | 48.8 | 102.4 | 12.1 | 40.1 | 8.2 | 1.1 | 6.2 | 1.0 | 6.0 | 1.2 | 3.3 | 0.5 | 3.1 | 0.5 | 39.2 | 273.9 | 52.2 | 2.9 | 69.0 |
| SBD250596 | SBDH25060 | 17.0 | 20.0 | 56.9 | 105.4 | 12.1 | 44.7 | 7.0 | 1.4 | 6.6 | 1.1 | 6.1 | 1.3 | 3.8 | 0.6 | 3.6 | 0.5 | 39.9 | 291.0 | 56.7 | 4.1 | 93.0 |
| SBD250597 | SBDH25060 | 20.0 | 23.0 | 63.4 | 123.5 | 14.3 | 52.4 | 10.3 | 1.8 | 8.3 | 1.3 | 7.8 | 1.7 | 5.0 | 0.6 | 4.4 | 0.6 | 48.0 | 343.2 | 66.6 | 4.2 | 113.0 |
| SBD250598 | SBDH25060 | 23.0 | 25.0 | 56.2 | 109.0 | 13.1 | 48.6 | 10.1 | 1.7 | 8.3 | 1.3 | 7.6 | 1.6 | 4.7 | 0.6 | 4.4 | 0.5 | 45.7 | 313.6 | 61.7 | 4.2 | 112.0 |
| SBD250599 | SBDH25060 | 25.0 | 27.0 | 22.6 | 41.5 | 5.0 | 17.8 | 3.0 | 0.6 | 2.9 | 0.5 | 3.0 | 0.7 | 1.5 | 0.2 | 1.9 | 0.3 | 19.3 | 120.9 | 22.9 | 2.3 | 57.0 |
| SBD250600 | SBDH25035 | 16.0 | 19.0 | 48.1 | 95.0 | 10.3 | 37.8 | 7.6 | 1.2 | 6.7 | 1.0 | 5.7 | 1.3 | 3.5 | 0.5 | 3.5 | 0.6 | 36.1 | 258.7 | 48.1 | 3.2 | 105.0 |
| SBD250601 | SBDH25035 | 19.0 | 22.0 | 41.2 | 71.7 | 8.9 | 31.7 | 6.5 | 1.1 | 5.0 | 0.9 | 4.8 | 0.9 | 3.2 | 0.4 | 3.2 | 0.4 | 30.5 | 210.4 | 40.6 | 3.1 | 105.0 |
| SBD250602 | SBDH25035 | 22.0 | 25.0 | 36.8 | 88.2 | 8.0 | 27.2 | 5.0 | 1.1 | 5.2 | 0.9 | 4.8 | 1.0 | 3.1 | 0.4 | 3.0 | 0.5 | 30.9 | 216.1 | 35.2 | 2.9 | 154.0 |
| SBD250603 | SBDH25035 | 25.0 | 28.0 | 41.2 | 88.9 | 9.3 | 34.1 | 5.6 | 1.4 | 5.6 | 0.9 | 5.5 | 1.1 | 3.1 | 0.5 | 3.5 | 0.5 | 34.7 | 235.7 | 43.3 | 3.8 | 144.0 |
| SBD250604 | SBDH25035 | 28.0 | 31.0 | 26.4 | 59.8 | 6.7 | 26.0 | 5.1 | 1.1 | 5.0 | 0.8 | 4.4 | 0.9 | 3.1 | 0.4 | 2.6 | 0.4 | 28.1 | 170.5 | 32.7 | 3.1 | 145.0 |
| SBD250605 | SBDH25035 | 31.0 | 34.0 | 24.2 | 60.8 | 6.3 | 25.5 | 4.3 | 1.1 | 4.4 | 0.7 | 4.2 | 0.9 | 2.5 | 0.4 | 2.4 | 0.5 | 25.9 | 164.0 | 31.9 | 3.0 | 111.0 |
| SBD250606 | SBDH25035 | 34.0 | 37.0 | 29.3 | 68.9 | 6.2 | 19.8 | 4.6 | 0.7 | 3.3 | 0.6 | 3.4 | 0.8 | 2.8 | 0.4 | 3.0 | 0.4 | 23.4 | 167.6 | 26.0 | 3.7 | 116.0 |
| SBD250607 | SBDH25035 | 37.0 | 40.0 | 33.4 | 70.3 | 8.2 | 27.9 | 4.8 | 0.8 | 4.1 | 0.7 | 4.5 | 0.9 | 2.6 | 0.4 | 2.8 | 0.3 | 22.1 | 183.7 | 36.0 | 3.7 | 116.0 |
| SBD250608 | SBDH25035 | 40.0 | 43.0 | 38.8 | 75.4 | 9.4 | 32.8 | 6.1 | 1.3 | 4.8 | 0.6 | 4.3 | 1.0 | 2.7 | 0.4 | 2.6 | 0.4 | 26.4 | 207.1 | 42.1 | 3.7 | 113.0 |
| SBD250609 | SBDH25040 | 8.0 | 11.0 | 79.6 | 169.5 | 17.5 | 63.6 | 10.6 | 1.9 | 10.1 | 1.5 | 8.6 | 1.8 | 5.3 | 0.7 | 5.0 | 0.7 | 55.7 | 432.3 | 81.1 | 3.0 | 69.0 |
| SBD250610 | SBDH25040 | 11.0 | 14.0 | 79.9 | 151.7 | 17.3 | 66.5 | 12.1 | 1.9 | 9.8 | 1.6 | 9.2 | 1.9 | 5.1 | 0.7 | 4.9 | 0.8 | 54.5 | 417.8 | 83.8 | 3.8 | 82.0 |
| SBD250611 | SBDH25040 | 14.0 | 17.0 | 55.9 | 105.3 | 12.9 | 46.2 | 9.6 | 1.5 | 8.0 | 1.2 | 7.4 | 1.6 | 5.0 | 0.6 | 4.7 | 0.7 | 47.0 | 307.5 | 59.1 | 3.5 | 86.0 |
| SBD250612 | SBDH25040 | 17.0 | 20.0 | 33.8 | 60.7 | 7.2 | 28.6 | 4.6 | 0.9 | 4.4 | 0.7 | 4.1 | 0.8 | 2.7 | 0.4 | 2.2 | 0.5 | 27.8 | 179.5 | 35.8 | 2.4 | 72.0 |
| SBD250613 | SBDH25040 | 20.0 | 23.0 | 59.7 | 117.1 | 13.5 | 48.2 | 9.8 | 1.9 | 7.8 | 1.2 | 7.6 | 1.5 | 4.4 | 0.7 | 4.0 | 0.7 | 45.7 | 323.7 | 61.7 | 3.9 | 107.0 |
| SBD250614 | SBDH25040 | 23.0 | 26.0 | 56.8 | 104.4 | 12.3 | 45.7 | 8.8 | 1.6 | 7.2 | 1.2 | 7.0 | 1.4 | 4.0 | 0.6 | 4.2 | 0.6 | 45.6 | 301.3 | 58.0 | 3.7 | 102.0 |
| SBD250615 | SBDH25040 | 26.0 | 29.0 | 38.8 | 71.5 | 8.4 | 29.5 | 5.8 | 0.9 | 4.8 | 0.9 | 5.1 | 1.0 | 3.9 | 0.4 | 3.5 | 0.6 | 31.5 | 206.6 | 37.9 | 3.4 | 84.0 |
| SBD250616 | SBDH25040 | 29.0 | 32.0 | 43.3 | 83.7 | 10.6 | 41.6 | 8.4 | 1.5 | 6.1 | 1.0 | 4.7 | 1.0 | 3.1 | 0.4 | 2.8 | 0.4 | 31.0 | 239.4 | 52.2 | 3.1 | 83.0 |
| SBD250617 | SBDH25040 | 32.0 | 35.0 | 67.6 | 126.5 | 16.7 | 69.4 | 13.3 | 2.4 | 10.3 | 1.5 | 6.9 | 1.4 | 3.9 | 0.5 | 3.2 | 0.5 | 38.5 | 362.4 | 86.1 | 4.6 | 88.0 |
| SBD250618 | SBDH25040 | 35.0 | 38.0 | 116.8 | 203.3 | 30.9 | 133.0 | 27.8 | 6.5 | 33.4 | 4.6 | 20.1 | 3.4 | 7.3 | 0.7 | 3.9 | 0.6 | 107.6 | 700.0 | 163.9 | 13.4 | 52.0 |
| SBD250619 | SBDH25041 | 10.0 | 13.0 | 84.8 | 159.7 | 19.0 | 69.5 | 12.5 | 2.4 | 10.7 | 1.7 | 11.1 | 2.2 | 6.5 | 0.9 | 6.4 | 0.9 | 64.9 | 453.2 | 88.5 | 4.2 | 71.0 |
| SBD250620 | SBDH25041 | 13.0 | 16.0 | 54.8 | 93.5 | 11.9 | 46.1 | 7.9 | 1.4 | 7.1 | 1.1 | 7.2 | 1.4 | 4.5 | 0.6 | 4.1 | 0.5 | 42.0 | 284.2 | 57.9 | 3.6 | 61.0 |
| SBD250621 | SBDH25041 | 16.0 | 19.0 | 54.1 | 101.7 | 11.3 | 41.9 | 7.8 | 1.6 | 6.9 | 1.2 | 6.4 | 1.3 | 4.3 | 0.5 | 3.9 | 0.5 | 38.6 | 282.0 | 53.1 | 3.8 | 109.0 |
| SBD250622 | SBDH25041 | 19.0 | 22.0 | 47.3 | 93.2 | 10.6 | 37.4 | 7.4 | 1.3 | 6.1 | 0.9 | 5.7 | 1.1 | 3.4 | 0.5 | 3.2 | 0.5 | 33.9 | 252.7 | 48.1 | 3.3 | 90.0 |
| SBD250623 | SBDH25041 | 22.0 | 25.0 | 38.1 | 73.9 | 9.4 | 31.6 | 6.8 | 1.2 | 5.6 | 0.8 | 5.5 | 1.1 | 3.9 | 0.5 | 3.3 | 0.5 | 32.9 | 215.1 | 41.0 | 3.3 | 90.0 |
| SBD250624 | SBDH25041 | 25.0 | 27.0 | 26.7 | 42.9 | 6.2 | 20.5 | 4.6 | 0.7 | 3.2 | 0.5 | 3.3 | 0.6 | 2.0 | 0.3 | 1.7 | 0.3 | 19.0 | 132.5 | 26.7 | 2.4 | 68.0 |
| SBD250625 | SBDH25041 | 27.0 | 29.0 | 29.2 | 49.1 | 6.2 | 23.3 | 4.5 | 0.9 | 3.7 | 0.6 | 3.4 | 0.7 | 2.2 | 0.3 | 2.1 | 0.3 | 21.2 | 147.7 | 29.5 | 2.7 | 63.0 |
| SBD250626 | SBDH25046 | 10.0 | 13.0 | 48.2 | 95.3 | 11.0 | 37.0 | 6.4 | 1.3 | 6.2 | 0.9 | 5.9 | 1.2 | 3.7 | 0.5 | 3.6 | 0.4 | 38.0 | 259.5 | 47.9 | 2.8 | 39.0 |
| SBD250627 | SBDH25046 | 13.0 | 16.0 | 44.2 | 80.8 | 9.7 | 33.4 | 6.9 | 1.3 | 5.8 | 0.9 | 5.2 | 1.1 | 2.9 | 0.4 | 3.2 | 0.5 | 33.1 | 229.6 | 43.1 | 2.7 | 50.0 |
| SBD250628 | SBDH25046 | 16.0 | 19.0 | 32.8 | 65.4 | 7.2 | 24.6 | 4.9 | 0.9 | 4.6 | 0.6 | 3.8 | 0.9 | 2.6 | 0.3 | 2.6 | 0.3 | 27.4 | 179.1 | 31.8 | 3.7 | 87.0 |
| SBD250629 | SBDH25046 | 19.0 | 22.0 | 32.6 | 55.2 | 7.9 | 26.9 | 5.0 | 1.1 | 4.4 | 0.8 | 4.6 | 0.9 | 2.9 | 0.4 | 2.9 | 0.5 | 29.1 | 175.1 | 34.8 | 3.3 | 68.0 |
| SBD250630 | SBDH25046 | 22.0 | 25.0 | 20.9 | 38.8 | 4.7 | 17.3 | 2.8 | 0.6 | 2.9 | 0.4 | 2.7 | 0.6 | 1.6 | 0.2 | 1.4 | 0.2 | 16.0 | 111.2 | 22.0 | 2.7 | 75.0 |
| SBD250632 | SBDH25046 | 25.0 | 27.0 | 25.4 | 59.2 | 5.8 | 19.5 | 3.4 | 0.5 | 3.1 | 0.4 | 2.7 | 0.5 | 1.5 | 0.2 | 1.4 | 0.3 | 16.6 | 140.6 | 25.3 | 2.5 | 42.0 |
| SBD250633 | SBDH25047 | 11.0 | 14.0 | 66.4 | 120.4 | 15.0 | 51.3 | 9.1 | 1.5 | 7.7 | 1.3 | 7.4 | 1.6 | 5.3 | 0.7 | 5.0 | 0.6 | 47.6 | 341.0 | 66.3 | 3.4 | 61.0 |
| SBD250634 | SBDH25047 | 14.0 | 17.0 | 40.0 | 68.2 | 8.7 | 33.8 | 5.5 | 1.3 | 5.3 | 0.8 | 4.6 | 0.9 | 3.1 | 0.4 | 2.3 | 0.5 | 29.1 | 204.5 | 42.5 | 2.8 | 64.0 |
| SBD250635 | SBDH25047 | 17.0 | 20.0 | 61.2 | 117.6 | 13.1 | 50.9 | 9.7 | 1.6 | 8.3 | 1.4 | 8.0 | 1.5 | 4.7 | 0.7 | 5.3 | 0.7 | 51.0 | 335.7 | 64.0 | 5.1 | 79.0 |
| SBD250636 | SBDH25047 | 20.0 | 23.0 | 42.5 | 79.5 | 9.1 | 35.5 | 6.3 | 1.1 | 5.1 | 0.9 | 5.8 | 1.2 | 3.4 | 0.5 | 3.9 | 0.5 | 34.9 | 230.2 | 44.6 | 3.5 | 72.0 |
| SBD250637 | SBDH25047 | 23.0 | 26.0 | 37.1 | 67.8 | 8.3 | 28.7 | 5.3 | 1.0 | 4.7 | 0.7 | 4.3 | 0.9 | 2.2 | 0.3 | 2.9 | 0.4 | 27.8 | 192.3 | 37.0 | 3.4 | 77.0 |
| SBD250638 | SBDH25047 | 26.0 | 29.0 | 40.9 | 85.1 | 9.5 | 34.8 | 7.4 | 1.3 | 5.8 | 0.9 | 6.2 | 1.3 | 3.6 | 0.5 | 3.6 | 0.6 | 35.9 | 237.3 | 44.3 | 5.0 | 104.0 |
| SBD250639 | SBDH25029 | 7.0 | 9.0 | 68.1 | 184.9 | 15.8 | 55.9 | 10.5 | 1.7 | 8.3 | 1.3 | 8.3 | 1.6 | 4.8 | 0.5 | 4.4 | 0.6 | 49.1 | 415.9 | 71.7 | 3.2 | 72.0 |
| SBD250640 | SBDH25029 | 9.0 | 12.0 | 32.1 | 70.0 | 7.5 | 26.2 | 4.9 | 0.8 | 3.1 | 0.6 | 3.4 | 0.7 | 2.0 | 0.3 | 1.8 | 0.3 | 20.7 | 174.4 | 33.8 | 2.1 | 32.0 |
| SBD250641 | SBDH25029 | 17.0 | 20.0 | 35.2 | 73.0 | 8.6 | 28.8 | 5.3 | 0.9 | 3.8 | 0.5 | 3.3 | 0.6 | 1.8 | 0.2 | 2.0 | 0.4 | 19.6 | 184.1 | 37.4 | 2.1 | 35.0 |
| SBD250642 | SBDH25029 | 20.0 | 23.0 | 43.2 | 91.6 | 10.2 | 37.0 | 7.1 | 1.0 | 5.3 | 0.8 | 4.2 | 0.9 | 2.2 | 0.3 | 2.0 | 0.3 | 25.5 | 231.6 | 47.2 | 2.5 | 52.0 |
| SBD250643 | SBDH25029 | 23.0 | 26.0 | 40.6 | 96.7 | 11.0 | 37.8 | 6.7 | 1.2 | 5.6 | 0.8 | 4.9 | 0.9 | 2.6 | 0.4 | 2.4 | 0.4 | 27.6 | 239.7 | 48.7 | 1.9 | 42.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250644 | SBDH25029 | 26.0 | 29.0 | 33.1 | 74.3 | 8.1 | 27.5 | 5.0 | 0.7 | 3.8 | 0.6 | 4.0 | 0.8 | 2.3 | 0.3 | 2.4 | 0.3 | 24.0 | 187.3 | 35.6 | 2.0 | 46.0 |
| SBD250645 | SBDH25029 | 29.0 | 31.0 | 15.4 | 32.3 | 3.6 | 14.2 | 1.8 | 0.4 | 1.7 | 0.3 | 1.3 | 0.3 | 0.9 | 0.1 | 0.9 | 0.1 | 8.5 | 81.8 | 17.8 | 0.8 | 10.0 |
| SBD250646 | SBDH25029 | 31.0 | 33.0 | 19.0 | 37.6 | 4.8 | 15.2 | 1.9 | 0.3 | 1.6 | 0.2 | 1.6 | 0.3 | 0.8 | 0.1 | 0.9 | 0.1 | 8.6 | 92.8 | 20.0 | 0.6 | 8.0 |
| SBD250647 | SBDH25027 | 6.0 | 9.0 | 56.5 | 100.0 | 12.0 | 42.9 | 7.1 | 1.5 | 6.7 | 1.0 | 6.9 | 1.3 | 3.9 | 0.7 | 3.8 | 0.6 | 38.6 | 283.6 | 54.9 | 2.9 | 81.0 |
| SBD250648 | SBDH25027 | 10.0 | 12.0 | 39.6 | 85.0 | 8.7 | 30.7 | 5.1 | 1.1 | 5.2 | 0.8 | 5.3 | 1.1 | 3.3 | 0.5 | 2.8 | 0.4 | 29.7 | 219.4 | 39.4 | 3.1 | 67.0 |
| SBD250649 | SBDH25027 | 13.0 | 15.0 | 52.2 | 99.6 | 11.8 | 43.0 | 7.8 | 1.3 | 5.5 | 0.9 | 5.8 | 1.0 | 3.0 | 0.4 | 2.8 | 0.4 | 33.1 | 268.7 | 54.8 | 3.2 | 52.0 |
| SBD250650 | SBDH25027 | 15.0 | 16.0 | 58.8 | 115.2 | 13.0 | 45.6 | 8.9 | 1.4 | 6.4 | 1.1 | 6.7 | 1.2 | 3.5 | 0.5 | 3.5 | 0.4 | 34.4 | 300.7 | 58.6 | 4.5 | 79.0 |
| SBD250651 | SBDH25027 | 16.0 | 18.0 | 60.6 | 122.3 | 14.0 | 49.5 | 8.7 | 1.6 | 8.5 | 1.4 | 8.5 | 1.8 | 5.5 | 0.8 | 4.7 | 0.7 | 71.5 | 360.2 | 63.5 | 6.5 | 132.0 |
| SBD250652 | SBDH25027 | 18.0 | 21.0 | 27.0 | 69.2 | 5.4 | 21.0 | 4.7 | 1.0 | 5.9 | 1.0 | 7.9 | 1.9 | 5.4 | 0.7 | 4.4 | 0.6 | 62.6 | 218.8 | 26.4 | 4.5 | 118.0 |
| SBD250653 | SBDH25027 | 21.0 | 23.0 | 27.8 | 72.8 | 5.9 | 21.2 | 3.9 | 1.1 | 6.2 | 1.3 | 8.1 | 1.8 | 5.5 | 0.7 | 5.0 | 0.8 | 69.8 | 232.1 | 27.1 | 5.2 | 125.0 |
| SBD250654 | SBDH25027 | 23.0 | 26.0 | 41.0 | 97.9 | 8.6 | 31.7 | 7.0 | 1.3 | 8.5 | 1.4 | 9.5 | 2.1 | 7.0 | 0.9 | 5.9 | 0.9 | 88.0 | 311.8 | 40.3 | 9.6 | 276.0 |
| SBD250655 | SBDH25027 | 26.0 | 29.0 | 49.0 | 92.0 | 10.4 | 41.3 | 7.4 | 1.5 | 7.5 | 1.4 | 8.1 | 1.8 | 5.2 | 0.7 | 5.2 | 0.8 | 64.9 | 297.1 | 51.7 | 10.0 | 355.0 |
| SBD250656 | SBDH25027 | 29.0 | 32.0 | 114.3 | 168.9 | 25.4 | 98.2 | 17.5 | 3.5 | 12.8 | 1.8 | 11.1 | 2.4 | 6.2 | 0.8 | 5.6 | 0.9 | 79.1 | 548.6 | 123.6 | 24.8 | 480.0 |
| SBD250657 | SBDH25027 | 32.0 | 35.0 | 105.6 | 168.3 | 26.1 | 120.7 | 33.5 | 8.5 | 46.0 | 6.4 | 39.0 | 7.3 | 19.9 | 2.5 | 14.5 | 2.0 | 320.0 | 920.3 | 146.8 | 35.0 | 192.0 |
| SBD250658 | SBDH25027 | 35.0 | 37.0 | 26.4 | 50.0 | 6.7 | 27.4 | 5.8 | 1.4 | 6.1 | 0.9 | 5.3 | 1.2 | 3.7 | 0.5 | 3.2 | 0.5 | 55.6 | 194.8 | 34.1 | 8.3 | 49.0 |
| SBD250659 | SBDH25018 | 8.0 | 11.0 | 81.0 | 170.7 | 18.0 | 65.7 | 10.6 | 1.5 | 9.2 | 1.1 | 6.4 | 1.1 | 3.3 | 0.4 | 2.2 | 0.3 | 32.6 | 404.2 | 83.7 | 4.9 | 70.0 |
| SBD250660 | SBDH25018 | 11.0 | 14.0 | 78.6 | 164.0 | 17.2 | 61.7 | 9.9 | 1.5 | 7.8 | 1.0 | 5.9 | 1.0 | 2.9 | 0.4 | 2.1 | 0.3 | 31.5 | 385.8 | 78.9 | 4.8 | 68.0 |
| SBD250661 | SBDH25018 | 14.0 | 17.0 | 50.1 | 100.6 | 10.8 | 40.0 | 6.4 | 1.5 | 5.7 | 1.0 | 6.1 | 1.1 | 3.6 | 0.5 | 2.9 | 0.5 | 33.3 | 264.1 | 50.8 | 5.2 | 50.0 |
| SBD250662 | SBDH25018 | 17.0 | 20.0 | 54.7 | 109.8 | 11.6 | 41.1 | 8.1 | 1.2 | 5.9 | 0.8 | 5.0 | 0.9 | 2.3 | 0.3 | 2.1 | 0.3 | 27.3 | 271.4 | 52.6 | 4.0 | 41.0 |
| SBD250663 | SBDH25018 | 20.0 | 23.0 | 24.5 | 56.9 | 6.4 | 23.1 | 5.8 | 1.1 | 5.0 | 0.9 | 5.9 | 1.2 | 3.1 | 0.5 | 3.0 | 0.3 | 34.9 | 172.6 | 29.4 | 2.6 | 206.0 |
| SBD250664 | SBDH25018 | 23.0 | 25.0 | 6.9 | 16.1 | 2.4 | 9.1 | 3.2 | 1.1 | 4.0 | 0.7 | 4.7 | 1.0 | 3.0 | 0.4 | 2.6 | 0.4 | 29.2 | 84.8 | 11.5 | 0.6 | 302.0 |
| SBD250665 | SBDH25018 | 25.0 | 27.0 | 7.2 | 17.8 | 2.5 | 11.9 | 3.4 | 1.0 | 4.4 | 0.9 | 5.0 | 1.1 | 3.5 | 0.5 | 3.4 | 0.5 | 32.8 | 95.9 | 14.4 | 0.7 | 315.0 |
| SBD250666 | SBDH25036 | 14.0 | 17.0 | 116.7 | 245.7 | 28.8 | 109.1 | 18.3 | 3.7 | 15.3 | 2.2 | 13.0 | 2.3 | 6.8 | 0.9 | 5.8 | 0.9 | 67.6 | 636.9 | 137.8 | 5.7 | 93.0 |
| SBD250667 | SBDH25036 | 17.0 | 20.0 | 95.7 | 206.4 | 25.7 | 98.2 | 18.3 | 3.5 | 15.5 | 2.2 | 13.1 | 2.4 | 7.5 | 1.0 | 7.2 | 1.0 | 79.5 | 577.2 | 123.9 | 8.5 | 129.0 |
| SBD250668 | SBDH25036 | 20.0 | 23.0 | 127.8 | 264.1 | 31.7 | 120.1 | 20.1 | 4.1 | 17.3 | 2.4 | 13.2 | 2.5 | 7.4 | 1.0 | 5.6 | 0.9 | 81.7 | 699.9 | 151.8 | 5.9 | 105.0 |
| SBD250669 | SBDH25036 | 23.0 | 26.0 | 83.4 | 183.0 | 23.3 | 96.6 | 18.1 | 3.9 | 17.3 | 2.3 | 13.6 | 2.6 | 7.1 | 0.8 | 5.4 | 0.7 | 80.8 | 539.0 | 119.9 | 6.5 | 115.0 |
| SBD250670 | SBDH25036 | 26.0 | 29.0 | 69.3 | 138.8 | 16.5 | 56.9 | 10.6 | 1.8 | 9.8 | 1.3 | 8.3 | 1.6 | 5.3 | 0.6 | 4.3 | 0.6 | 53.6 | 379.4 | 73.4 | 4.4 | 101.0 |
| SBD250671 | SBDH25036 | 29.0 | 32.0 | 74.1 | 151.1 | 17.2 | 62.6 | 11.3 | 2.0 | 9.2 | 1.5 | 8.6 | 1.7 | 4.8 | 0.6 | 4.6 | 0.8 | 50.5 | 400.6 | 79.9 | 4.2 | 107.0 |
| SBD250672 | SBDH25036 | 32.0 | 35.0 | 75.3 | 149.3 | 17.7 | 64.4 | 11.6 | 2.5 | 10.9 | 1.4 | 9.0 | 1.7 | 4.9 | 0.7 | 4.6 | 0.6 | 49.3 | 403.9 | 82.1 | 3.7 | 100.0 |
| SBD250673 | SBDH25036 | 35.0 | 37.0 | 64.3 | 127.1 | 14.9 | 54.0 | 8.5 | 2.1 | 8.7 | 1.4 | 7.3 | 1.5 | 4.6 | 0.6 | 3.8 | 0.6 | 48.4 | 347.6 | 68.9 | 3.9 | 88.0 |
| SBD250674 | SBDH25036 | 37.0 | 39.0 | 63.1 | 120.9 | 13.8 | 51.9 | 8.2 | 2.0 | 8.2 | 1.3 | 6.7 | 1.2 | 4.4 | 0.5 | 3.8 | 0.4 | 41.8 | 328.2 | 65.7 | 3.7 | 89.0 |
| SBD250675 | SBDH25050 | 18.0 | 21.0 | 66.3 | 124.1 | 15.3 | 54.5 | 8.7 | 1.5 | 7.5 | 1.1 | 7.5 | 1.4 | 4.3 | 0.5 | 3.7 | 0.6 | 40.1 | 337.1 | 69.8 | 3.5 | 73.0 |
| SBD250676 | SBDH25050 | 21.0 | 24.0 | 91.4 | 167.7 | 20.1 | 69.9 | 11.9 | 2.1 | 11.0 | 1.7 | 10.0 | 2.1 | 5.8 | 0.7 | 5.4 | 0.8 | 59.7 | 460.2 | 89.9 | 5.1 | 104.0 |
| SBD250677 | SBDH25050 | 24.0 | 27.0 | 48.4 | 94.0 | 10.6 | 38.5 | 7.1 | 1.1 | 6.0 | 0.9 | 6.1 | 1.0 | 3.4 | 0.4 | 3.4 | 0.5 | 34.0 | 255.3 | 49.1 | 2.8 | 58.0 |
| SBD250678 | SBDH25050 | 27.0 | 30.0 | 25.6 | 51.6 | 6.0 | 19.4 | 2.8 | 0.6 | 2.9 | 0.5 | 3.4 | 0.6 | 2.0 | 0.3 | 1.7 | 0.3 | 18.7 | 136.2 | 25.3 | 1.5 | 46.0 |
| SBD250679 | SBDH25050 | 30.0 | 31.0 | 55.0 | 157.2 | 14.7 | 54.0 | 11.1 | 2.2 | 10.2 | 1.8 | 11.2 | 1.9 | 6.4 | 0.8 | 5.0 | 0.9 | 56.5 | 388.8 | 68.7 | 2.6 | 137.0 |
| SBD250689 | SBDH25072A | 0.0 | 3.0 | 25.3 | 46.6 | 5.7 | 20.9 | 3.4 | 0.8 | 3.2 | 0.5 | 3.0 | 0.5 | 1.8 | 0.2 | 1.5 | 0.3 | 16.9 | 130.4 | 26.6 | 1.6 | 43.0 |
| SBD250690 | SBDH25072A | 3.0 | 6.0 | 39.5 | 77.9 | 9.6 | 35.3 | 6.4 | 1.5 | 6.0 | 1.0 | 6.1 | 1.1 | 3.4 | 0.4 | 3.3 | 0.5 | 36.1 | 228.1 | 44.9 | 2.4 | 126.0 |
| SBD250691 | SBDH25072A | 6.0 | 9.0 | 48.9 | 121.1 | 13.8 | 53.0 | 10.1 | 2.1 | 8.8 | 1.3 | 7.6 | 1.4 | 4.9 | 0.6 | 4.2 | 0.7 | 46.0 | 324.4 | 66.7 | 2.9 | 155.0 |
| SBD250692 | SBDH25072A | 9.0 | 12.0 | 38.2 | 75.3 | 9.6 | 34.5 | 6.8 | 1.2 | 5.4 | 0.8 | 5.5 | 0.9 | 3.4 | 0.4 | 3.4 | 0.5 | 31.0 | 217.0 | 44.1 | 3.2 | 199.0 |
| SBD250693 | SBDH25072A | 12.0 | 15.0 | 36.6 | 81.9 | 8.8 | 33.1 | 6.6 | 1.3 | 5.2 | 0.8 | 5.2 | 1.0 | 3.5 | 0.5 | 3.4 | 0.5 | 31.7 | 220.2 | 42.0 | 3.2 | 156.0 |
| SBD250694 | SBDH25072A | 15.0 | 18.0 | 30.3 | 71.6 | 7.7 | 27.5 | 4.5 | 1.1 | 4.4 | 0.8 | 4.9 | 0.9 | 3.5 | 0.4 | 3.2 | 0.5 | 25.7 | 186.9 | 35.2 | 3.6 | 156.0 |
| SBD250695 | SBDH25072A | 18.0 | 21.0 | 28.0 | 74.2 | 7.5 | 24.5 | 4.3 | 0.9 | 4.3 | 0.7 | 4.6 | 0.9 | 3.0 | 0.4 | 2.6 | 0.5 | 25.5 | 182.0 | 32.0 | 3.9 | 137.0 |
| SBD250696 | SBDH25072A | 21.0 | 24.0 | 30.1 | 93.0 | 6.7 | 24.5 | 5.7 | 0.9 | 4.4 | 0.8 | 5.5 | 1.1 | 3.3 | 0.5 | 3.5 | 0.6 | 26.7 | 207.3 | 31.2 | 5.2 | 141.0 |
| SBD250697 | SBDH25072A | 24.0 | 27.0 | 30.3 | 109.7 | 7.9 | 28.2 | 5.9 | 1.4 | 5.7 | 0.9 | 5.6 | 1.1 | 3.2 | 0.5 | 3.9 | 0.6 | 30.9 | 235.5 | 36.1 | 5.5 | 148.0 |
| SBD250698 | SBDH25072A | 27.0 | 30.0 | 29.4 | 82.7 | 6.8 | 21.8 | 4.1 | 1.0 | 4.3 | 0.7 | 4.9 | 0.9 | 3.3 | 0.5 | 3.6 | 0.5 | 30.4 | 194.9 | 28.6 | 5.9 | 152.0 |
| SBD250699 | SBDH25072A | 30.0 | 33.0 | 36.5 | 74.1 | 9.4 | 32.3 | 6.7 | 1.4 | 5.9 | 0.9 | 5.7 | 1.1 | 3.7 | 0.5 | 3.7 | 0.6 | 31.1 | 213.5 | 41.7 | 6.4 | 162.0 |
| SBD250700 | SBDH25072A | 33.0 | 36.0 | 26.7 | 37.6 | 6.6 | 22.2 | 4.1 | 0.9 | 3.6 | 0.6 | 4.1 | 0.8 | 2.4 | 0.3 | 2.4 | 0.4 | 22.6 | 135.5 | 28.8 | 5.3 | 178.0 |
| SBD250701 | SBDH25072A | 36.0 | 39.0 | 33.4 | 62.9 | 7.7 | 22.6 | 3.8 | 0.9 | 3.7 | 0.5 | 2.6 | 0.6 | 1.7 | 0.2 | 1.7 | 0.3 | 18.8 | 161.6 | 30.4 | 4.2 | 113.0 |
| SBD250702 | SBDH25072A | 39.0 | 42.0 | 16.4 | 26.5 | 2.9 | 8.7 | 1.8 | 0.3 | 1.5 | 0.3 | 2.1 | 0.4 | 1.6 | 0.2 | 1.6 | 0.3 | 15.5 | 80.2 | 11.6 | 4.8 | 139.0 |
| SBD250703 | SBDH25072A | 42.0 | 45.0 | 145.4 | 137.6 | 16.5 | 42.3 | 5.1 | 0.8 | 3.2 | 0.4 | 2.7 | 0.5 | 1.5 | 0.2 | 1.6 | 0.2 | 14.5 | 372.7 | 58.8 | 5.5 | 161.0 |
| SBD250704 | SBDH25072A | 45.0 | 48.0 | 92.9 | 97.2 | 11.3 | 29.6 | 3.7 | 0.7 | 2.6 | 0.4 | 2.6 | 0.6 | 1.7 | 0.3 | 1.9 | 0.3 | 16.0 | 261.7 | 40.9 | 5.4 | 155.0 |
| SBD250705 | SBDH25072A | 48.0 | 50.0 | 43.4 | 57.4 | 6.2 | 18.7 | 3.2 | 0.5 | 2.6 | 0.5 | 3.2 | 0.7 | 2.1 | 0.4 | 2.4 | 0.3 | 20.3 | 161.8 | 24.9 | 6.0 | 159.0 |
| SBD250706 | SBDH25077 | 8.0 | 11.0 | 54.7 | 83.4 | 13.3 | 48.2 | 8.3 | 1.6 | 7.9 | 1.2 | 6.7 | 1.4 | 4.2 | 0.6 | 3.5 | 0.5 | 45.5 | 281.0 | 61.5 | 3.9 | 157.0 |
| SBD250707 | SBDH25077 | 11.0 | 14.0 | 38.5 | 70.5 | 7.9 | 26.6 | 5.3 | 1.1 | 4.6 | 0.8 | 5.0 | 1.0 | 3.4 | 0.4 | 3.2 | 0.4 | 29.5 | 198.2 | 34.5 | 4.2 | 172.0 |
| SBD250708 | SBDH25077 | 14.0 | 17.0 | 38.2 | 83.8 | 7.5 | 24.8 | 4.8 | 0.9 | 3.7 | 0.6 | 4.9 | 0.9 | 2.9 | 0.4 | 3.0 | 0.4 | 24.3 | 201.0 | 32.3 | 4.2 | 154.0 |
| SBD250709 | SBDH25077 | 17.0 | 20.0 | 36.4 | 132.7 | 7.9 | 26.5 | 5.8 | 1.2 | 4.7 | 0.9 | 5.5 | 1.1 | 3.4 | 0.5 | 3.4 | 0.6 | 28.2 | 258.6 | 34.3 | 4.7 | 153.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250710 | SBDH25077 | 20.0 | 23.0 | 35.3 | 93.2 | 7.6 | 23.0 | 4.9 | 0.9 | 4.1 | 0.7 | 4.9 | 1.0 | 3.1 | 0.5 | 3.4 | 0.5 | 26.8 | 210.0 | 30.6 | 5.1 | 147.0 |
| SBD250711 | SBDH25077 | 23.0 | 26.0 | 41.3 | 65.1 | 8.2 | 25.4 | 4.4 | 1.0 | 3.7 | 0.7 | 4.9 | 1.0 | 3.0 | 0.5 | 3.3 | 0.5 | 25.7 | 188.6 | 33.6 | 5.6 | 145.0 |
| SBD250712 | SBDH25077 | 26.0 | 29.0 | 48.8 | 74.4 | 9.5 | 28.1 | 4.4 | 0.9 | 3.9 | 0.6 | 4.3 | 0.9 | 2.7 | 0.4 | 3.2 | 0.5 | 24.8 | 207.4 | 37.6 | 6.5 | 141.0 |
| SBD250713 | SBDH25077 | 29.0 | 32.0 | 62.6 | 102.3 | 13.1 | 41.4 | 6.9 | 1.1 | 5.2 | 0.9 | 5.0 | 1.1 | 3.3 | 0.5 | 3.7 | 0.6 | 30.6 | 278.5 | 54.5 | 6.5 | 204.0 |
| SBD250714 | SBDH25077 | 32.0 | 35.0 | 44.4 | 94.0 | 9.6 | 31.5 | 5.8 | 1.3 | 5.1 | 0.9 | 5.4 | 1.1 | 3.4 | 0.5 | 3.5 | 0.5 | 29.2 | 236.2 | 41.1 | 5.9 | 174.0 |
| SBD250715 | SBDH25077 | 35.0 | 38.0 | 49.1 | 69.3 | 10.5 | 34.8 | 6.3 | 1.2 | 5.2 | 0.9 | 5.3 | 1.0 | 3.3 | 0.4 | 3.1 | 0.5 | 31.5 | 222.4 | 45.3 | 6.3 | 236.0 |
| SBD250716 | SBDH25077 | 38.0 | 41.0 | 46.4 | 51.1 | 8.8 | 27.4 | 4.1 | 0.6 | 2.9 | 0.4 | 2.9 | 0.6 | 1.9 | 0.3 | 1.9 | 0.3 | 19.3 | 168.8 | 36.2 | 6.6 | 294.0 |
| SBD250717 | SBDH25077 | 41.0 | 44.0 | 70.4 | 132.1 | 18.2 | 69.2 | 14.1 | 2.2 | 8.5 | 0.8 | 3.3 | 0.5 | 1.4 | 0.3 | 1.7 | 0.2 | 16.8 | 339.6 | 87.4 | 7.1 | 366.0 |
| SBD250718 | SBDH25077 | 44.0 | 47.0 | 57.3 | 120.5 | 16.7 | 67.0 | 13.1 | 1.8 | 7.8 | 0.9 | 4.6 | 0.8 | 2.2 | 0.4 | 2.3 | 0.3 | 22.6 | 318.3 | 83.7 | 8.9 | 280.0 |
| SBD250719 | SBDH25077 | 47.0 | 50.0 | 42.2 | 93.7 | 11.8 | 45.5 | 9.5 | 1.5 | 6.7 | 0.8 | 4.9 | 1.0 | 2.7 | 0.4 | 2.7 | 0.4 | 28.8 | 252.7 | 57.3 | 12.9 | 236.0 |
| SBD250720 | SBDH25077 | 50.0 | 53.0 | 46.0 | 103.8 | 12.6 | 49.7 | 9.6 | 1.8 | 7.7 | 1.0 | 5.7 | 1.0 | 3.0 | 0.4 | 2.9 | 0.4 | 33.8 | 279.3 | 62.3 | 11.6 | 301.0 |
| SBD250721 | SBDH25077 | 53.0 | 55.0 | 65.2 | 148.6 | 17.8 | 63.6 | 12.3 | 2.1 | 9.4 | 1.3 | 8.3 | 1.5 | 4.2 | 0.6 | 4.0 | 0.7 | 43.3 | 382.9 | 81.4 | 15.2 | 265.0 |
| SBD250722 | SBDH25077 | 55.0 | 57.0 | 54.8 | 140.7 | 17.8 | 61.4 | 12.1 | 2.2 | 12.7 | 2.2 | 13.8 | 2.8 | 8.5 | 1.2 | 7.6 | 1.1 | 100.3 | 439.1 | 79.1 | 17.6 | 355.0 |
| SBD250723 | SBDH25079 | 4.0 | 7.0 | 86.2 | 172.0 | 20.5 | 68.4 | 12.2 | 2.3 | 10.9 | 1.8 | 9.9 | 2.0 | 5.7 | 0.8 | 4.7 | 0.6 | 61.2 | 459.0 | 88.8 | 2.9 | 95.0 |
| SBD250724 | SBDH25079 | 7.0 | 10.0 | 65.1 | 135.7 | 15.4 | 52.6 | 9.4 | 1.7 | 8.2 | 1.3 | 8.0 | 1.5 | 4.4 | 0.7 | 4.1 | 0.6 | 48.6 | 357.3 | 68.0 | 2.7 | 74.0 |
| SBD250725 | SBDH25079 | 10.0 | 13.0 | 42.9 | 85.1 | 9.4 | 34.2 | 6.3 | 1.0 | 5.7 | 0.9 | 5.7 | 1.2 | 3.5 | 0.5 | 3.2 | 0.5 | 36.7 | 236.8 | 43.5 | 2.6 | 90.0 |
| SBD250726 | SBDH25079 | 13.0 | 16.0 | 44.8 | 106.1 | 11.4 | 39.4 | 8.1 | 1.6 | 7.4 | 1.2 | 6.9 | 1.5 | 4.1 | 0.5 | 3.4 | 0.6 | 43.7 | 280.6 | 50.8 | 3.1 | 170.0 |
| SBD250727 | SBDH25079 | 16.0 | 19.0 | 39.3 | 75.5 | 8.8 | 29.3 | 5.6 | 1.2 | 5.5 | 0.9 | 5.9 | 1.1 | 3.8 | 0.5 | 3.4 | 0.5 | 37.0 | 218.2 | 38.1 | 5.1 | 148.0 |
| SBD250728 | SBDH25079 | 19.0 | 22.0 | 28.9 | 51.2 | 6.3 | 20.4 | 3.7 | 0.8 | 3.7 | 0.7 | 4.2 | 0.9 | 3.3 | 0.4 | 2.8 | 0.4 | 26.2 | 153.9 | 26.8 | 4.0 | 99.0 |
| SBD250729 | SBDH25079 | 22.0 | 25.0 | 34.5 | 84.3 | 8.7 | 28.1 | 6.3 | 1.2 | 5.0 | 0.9 | 5.5 | 1.1 | 3.3 | 0.5 | 3.4 | 0.5 | 31.4 | 214.6 | 36.8 | 4.6 | 120.0 |
| SBD250730 | SBDH25079 | 25.0 | 28.0 | 46.6 | 115.1 | 15.1 | 58.0 | 12.2 | 2.3 | 10.3 | 1.5 | 9.4 | 1.7 | 4.8 | 0.6 | 4.5 | 0.6 | 49.8 | 332.6 | 73.1 | 4.8 | 138.0 |
| SBD250732 | SBDH25079 | 28.0 | 31.0 | 39.8 | 92.7 | 10.5 | 36.4 | 7.5 | 1.6 | 6.9 | 1.1 | 6.6 | 1.3 | 3.9 | 0.5 | 3.6 | 0.5 | 37.7 | 250.6 | 46.9 | 4.8 | 139.0 |
| SBD250733 | SBDH25079 | 31.0 | 34.0 | 42.8 | 107.4 | 11.1 | 39.3 | 8.2 | 1.7 | 7.0 | 1.1 | 6.9 | 1.4 | 4.1 | 0.6 | 4.2 | 0.6 | 39.5 | 275.9 | 50.4 | 5.4 | 149.0 |
| SBD250734 | SBDH25079 | 34.0 | 37.0 | 37.8 | 69.5 | 8.1 | 28.8 | 5.6 | 1.1 | 4.6 | 0.9 | 5.2 | 1.0 | 3.1 | 0.5 | 3.5 | 0.5 | 28.6 | 198.8 | 36.9 | 5.2 | 126.0 |
| SBD250735 | SBDH25079 | 37.0 | 40.0 | 46.0 | 92.4 | 11.0 | 40.1 | 8.1 | 1.8 | 6.8 | 1.2 | 6.6 | 1.3 | 3.9 | 0.6 | 4.1 | 0.6 | 38.6 | 262.9 | 51.1 | 6.5 | 137.0 |
| SBD250736 | SBDH25079 | 40.0 | 43.0 | 41.4 | 102.4 | 11.1 | 42.9 | 8.9 | 1.9 | 7.3 | 1.1 | 6.9 | 1.3 | 4.4 | 0.6 | 4.2 | 0.6 | 38.0 | 273.0 | 54.1 | 6.8 | 129.0 |
| SBD250737 | SBDH25079 | 43.0 | 44.0 | 42.6 | 102.3 | 10.4 | 38.4 | 7.4 | 1.7 | 6.1 | 1.0 | 6.2 | 1.2 | 3.9 | 0.6 | 4.3 | 0.6 | 36.1 | 262.8 | 48.8 | 8.1 | 127.0 |
| SBD250738 | SBDH25080 | 11.0 | 14.0 | 48.7 | 101.8 | 11.2 | 44.7 | 8.6 | 1.6 | 7.7 | 1.2 | 7.7 | 1.5 | 4.5 | 0.7 | 4.6 | 0.6 | 48.9 | 294.1 | 55.9 | 3.7 | 94.0 |
| SBD250739 | SBDH25080 | 14.0 | 17.0 | 30.1 | 63.8 | 7.5 | 26.9 | 4.9 | 1.1 | 4.7 | 0.8 | 4.7 | 1.0 | 2.8 | 0.5 | 2.8 | 0.5 | 29.3 | 181.4 | 34.4 | 3.3 | 135.0 |
| SBD250741 | SBDH25080 | 17.0 | 20.0 | 35.4 | 76.8 | 8.6 | 33.0 | 6.0 | 1.4 | 5.6 | 0.9 | 5.3 | 1.1 | 3.4 | 0.5 | 3.2 | 0.5 | 33.1 | 215.0 | 41.6 | 4.2 | 121.0 |
| SBD250742 | SBDH25080 | 20.0 | 23.0 | 37.5 | 77.4 | 8.3 | 33.0 | 6.0 | 1.3 | 5.5 | 0.8 | 4.8 | 1.1 | 3.1 | 0.5 | 3.2 | 0.4 | 31.7 | 214.6 | 41.3 | 4.2 | 115.0 |
| SBD250743 | SBDH25080 | 23.0 | 26.0 | 34.4 | 68.3 | 7.8 | 27.8 | 5.4 | 1.1 | 4.5 | 0.7 | 4.1 | 0.8 | 2.6 | 0.4 | 2.8 | 0.4 | 25.8 | 186.7 | 35.6 | 3.5 | 109.0 |
| SBD250744 | SBDH25080 | 26.0 | 29.0 | 36.1 | 85.4 | 7.9 | 27.9 | 5.0 | 1.0 | 4.4 | 0.6 | 4.3 | 0.9 | 2.9 | 0.4 | 2.9 | 0.5 | 27.8 | 207.9 | 35.8 | 4.2 | 119.0 |
| SBD250745 | SBDH25080 | 29.0 | 32.0 | 34.5 | 87.5 | 8.3 | 28.7 | 6.0 | 1.3 | 4.9 | 0.8 | 5.0 | 1.1 | 3.3 | 0.5 | 3.4 | 0.6 | 29.7 | 215.4 | 36.9 | 5.6 | 98.0 |
| SBD250746 | SBDH25080 | 32.0 | 35.0 | 35.7 | 84.9 | 8.5 | 31.0 | 6.1 | 1.4 | 5.5 | 1.0 | 6.4 | 1.2 | 3.7 | 0.5 | 3.5 | 0.5 | 31.4 | 221.1 | 39.5 | 6.9 | 95.0 |
| SBD250747 | SBDH25080 | 35.0 | 38.0 | 35.7 | 72.7 | 7.6 | 25.9 | 4.6 | 0.9 | 3.9 | 0.7 | 4.6 | 1.0 | 3.1 | 0.5 | 3.2 | 0.5 | 24.9 | 189.8 | 33.5 | 8.0 | 86.0 |
| SBD250748 | SBDH25080 | 38.0 | 41.0 | 31.2 | 58.8 | 6.3 | 21.5 | 3.7 | 0.9 | 3.1 | 0.6 | 4.1 | 0.8 | 3.0 | 0.4 | 3.2 | 0.5 | 22.5 | 160.6 | 27.8 | 10.3 | 81.0 |
| SBD250749 | SBDH25080 | 41.0 | 44.0 | 30.8 | 48.5 | 6.3 | 20.5 | 3.4 | 0.7 | 2.6 | 0.5 | 3.3 | 0.8 | 2.5 | 0.4 | 3.0 | 0.4 | 20.8 | 144.6 | 26.8 | 7.3 | 80.0 |
| SBD250750 | SBDH25080 | 44.0 | 47.0 | 29.8 | 45.1 | 6.3 | 20.9 | 3.2 | 0.7 | 2.6 | 0.5 | 3.3 | 0.8 | 2.4 | 0.4 | 3.1 | 0.6 | 22.5 | 142.0 | 27.2 | 7.0 | 78.0 |
| SBD250751 | SBDH25080 | 47.0 | 50.0 | 24.4 | 33.4 | 4.7 | 13.9 | 2.3 | 0.6 | 2.5 | 0.5 | 3.6 | 0.8 | 2.7 | 0.5 | 3.4 | 0.5 | 24.1 | 117.9 | 18.6 | 6.3 | 81.0 |
| SBD250752 | SBDH25090 | 9.0 | 12.0 | 26.4 | 47.5 | 6.0 | 21.2 | 3.9 | 0.8 | 3.3 | 0.4 | 3.2 | 0.6 | 1.8 | 0.2 | 1.7 | 0.2 | 18.8 | 136.2 | 27.3 | 1.8 | 50.0 |
| SBD250753 | SBDH25090 | 12.0 | 15.0 | 40.3 | 75.8 | 9.2 | 34.1 | 6.2 | 1.2 | 5.5 | 0.9 | 5.4 | 1.1 | 3.3 | 0.5 | 3.1 | 0.4 | 34.5 | 221.6 | 43.3 | 3.0 | 105.0 |
| SBD250754 | SBDH25090 | 15.0 | 18.0 | 32.0 | 61.1 | 7.2 | 26.2 | 4.4 | 1.1 | 4.4 | 0.7 | 4.0 | 0.8 | 2.5 | 0.4 | 2.3 | 0.3 | 27.7 | 175.2 | 33.4 | 2.3 | 72.0 |
| SBD250755 | SBDH25090 | 18.0 | 21.0 | 55.4 | 104.8 | 12.0 | 43.6 | 8.3 | 1.4 | 6.9 | 1.1 | 6.9 | 1.4 | 3.8 | 0.6 | 4.1 | 0.5 | 42.8 | 293.7 | 55.7 | 3.8 | 146.0 |
| SBD250756 | SBDH25090 | 21.0 | 24.0 | 29.1 | 56.5 | 6.4 | 23.7 | 4.1 | 1.0 | 4.3 | 0.7 | 4.7 | 1.0 | 3.0 | 0.5 | 3.0 | 0.4 | 30.2 | 168.5 | 30.1 | 2.8 | 168.0 |
| SBD250757 | SBDH25090 | 24.0 | 27.0 | 81.3 | 158.5 | 18.0 | 64.4 | 11.9 | 2.0 | 10.7 | 1.7 | 10.2 | 2.1 | 7.1 | 0.9 | 6.5 | 0.9 | 64.8 | 440.8 | 82.4 | 5.6 | 119.0 |
| SBD250758 | SBDH25090 | 27.0 | 30.0 | 74.9 | 140.7 | 15.9 | 57.9 | 11.2 | 1.9 | 9.5 | 1.6 | 10.1 | 2.2 | 6.4 | 0.9 | 6.2 | 0.8 | 64.0 | 404.1 | 73.8 | 5.1 | 113.0 |
| SBD250759 | SBDH25090 | 30.0 | 33.0 | 53.7 | 100.2 | 12.2 | 42.2 | 7.9 | 1.4 | 7.1 | 1.2 | 7.1 | 1.4 | 4.3 | 0.7 | 4.1 | 0.5 | 43.2 | 287.2 | 54.4 | 3.6 | 79.0 |
| SBD250760 | SBDH25090 | 33.0 | 36.0 | 45.7 | 92.1 | 9.1 | 29.7 | 6.1 | 1.3 | 5.7 | 1.0 | 6.9 | 1.4 | 4.2 | 0.7 | 4.9 | 0.8 | 39.6 | 249.3 | 38.9 | 6.0 | 99.0 |
| SBD250761 | SBDH25090 | 36.0 | 39.0 | 36.7 | 50.7 | 6.5 | 21.6 | 4.0 | 0.7 | 3.9 | 0.8 | 5.6 | 1.2 | 3.7 | 0.7 | 4.8 | 0.8 | 35.7 | 177.3 | 28.1 | 5.9 | 102.0 |
| SBD250762 | SBDH25090 | 39.0 | 42.0 | 30.5 | 58.0 | 6.1 | 19.6 | 3.6 | 0.9 | 4.1 | 0.9 | 6.1 | 1.3 | 4.3 | 0.7 | 4.9 | 0.7 | 37.7 | 179.4 | 25.7 | 5.9 | 85.0 |
| SBD250763 | SBDH25090 | 42.0 | 45.0 | 30.3 | 57.6 | 5.7 | 19.2 | 4.0 | 0.7 | 3.9 | 0.8 | 5.3 | 1.2 | 4.0 | 0.6 | 4.5 | 0.6 | 37.1 | 175.4 | 24.9 | 5.8 | 91.0 |
| SBD250764 | SBDH25090 | 45.0 | 48.0 | 30.5 | 64.4 | 5.8 | 19.2 | 4.2 | 0.8 | 4.0 | 0.7 | 5.2 | 1.2 | 4.0 | 0.6 | 4.4 | 0.7 | 33.0 | 178.6 | 25.1 | 5.6 | 86.0 |
| SBD250765 | SBDH25090 | 48.0 | 50.0 | 35.2 | 89.7 | 6.7 | 24.3 | 5.0 | 1.0 | 4.7 | 0.8 | 6.3 | 1.3 | 3.9 | 0.6 | 4.7 | 0.7 | 36.7 | 221.6 | 30.9 | 5.8 | 88.0 |
| SBD250766 | SBDH25093 | 16.0 | 19.0 | 33.2 | 60.9 | 7.8 | 25.2 | 4.4 | 0.9 | 4.4 | 0.7 | 4.3 | 0.9 | 2.7 | 0.4 | 2.5 | 0.4 | 26.8 | 175.4 | 33.0 | 2.5 | 107.0 |
| SBD250767 | SBDH25093 | 19.0 | 22.0 | 88.7 | 203.9 | 21.1 | 74.2 | 14.4 | 2.1 | 13.1 | 2.2 | 13.6 | 2.8 | 8.6 | 1.2 | 8.6 | 1.3 | 90.5 | 546.3 | 95.3 | 5.2 | 60.0 |
| SBD250768 | SBDH25093 | 22.0 | 25.0 | 36.0 | 64.5 | 7.6 | 25.7 | 5.1 | 0.9 | 4.8 | 0.9 | 6.5 | 1.3 | 4.4 | 0.7 | 4.6 | 0.7 | 41.8 | 205.3 | 33.2 | 4.5 | 77.0 |

| Sample_ID | HOLE ID | From | To | La2O3 | CeO2 | Pr6O11 | Nd2O3 | Sm2O3 | Eu2O3 | Gd2O3 | Tb4O7 | Dy2O3 | Ho2O3 | Er2O3 | Tm2O3 | Yb2O3 | Lu2O3 | Y2O3 | TREO | Nd+Pr Ox | U3O8 | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBD250769 | SBDH25093 | 25.0 | 28.0 | 28.6 | 61.1 | 6.8 | 23.8 | 4.4 | 0.8 | 4.5 | 0.9 | 5.7 | 1.4 | 4.2 | 0.7 | 4.9 | 0.8 | 39.0 | 187.5 | 30.6 | 5.1 | 91.0 |
| SBD250770 | SBDH25093 | 28.0 | 31.0 | 29.3 | 47.0 | 5.3 | 16.9 | 3.2 | 0.6 | 3.2 | 0.6 | 4.6 | 1.0 | 3.6 | 0.6 | 3.8 | 0.6 | 29.5 | 149.9 | 22.2 | 4.9 | 87.0 |
| SBD250771 | SBDH25093 | 31.0 | 34.0 | 29.0 | 42.5 | 4.9 | 14.7 | 2.5 | 0.6 | 2.9 | 0.7 | 4.8 | 1.1 | 3.7 | 0.6 | 4.6 | 0.8 | 33.7 | 147.1 | 19.6 | 5.5 | 108.0 |
| SBD250772 | SBDH25093 | 34.0 | 37.0 | 29.2 | 38.9 | 4.8 | 13.8 | 2.6 | 0.4 | 2.5 | 0.6 | 4.3 | 1.1 | 3.6 | 0.6 | 4.1 | 0.6 | 31.1 | 138.4 | 18.6 | 5.4 | 99.0 |
| SBD250773 | SBDH25093 | 37.0 | 40.0 | 28.3 | 39.9 | 4.6 | 13.8 | 2.7 | 0.5 | 3.3 | 0.8 | 5.3 | 1.3 | 4.4 | 0.7 | 5.1 | 0.8 | 36.6 | 148.1 | 18.4 | 6.7 | 88.0 |
| SBD250774 | SBDH25093 | 40.0 | 42.0 | 48.4 | 79.8 | 8.9 | 28.1 | 4.6 | 0.8 | 4.4 | 0.9 | 5.8 | 1.4 | 4.4 | 0.7 | 4.6 | 0.7 | 37.3 | 230.9 | 37.0 | 7.0 | 113.0 |
| SBD250775 | SBDH25093 | 42.0 | 44.0 | 60.3 | 136.4 | 13.5 | 46.4 | 8.9 | 1.4 | 7.2 | 1.4 | 8.7 | 2.0 | 6.0 | 0.9 | 6.5 | 1.0 | 57.0 | 357.6 | 59.9 | 7.9 | 83.0 |
| SBD250776 | SBDH25098 | 16.0 | 19.0 | 55.1 | 106.5 | 12.4 | 43.6 | 7.7 | 1.4 | 6.8 | 1.1 | 6.3 | 1.4 | 4.1 | 0.6 | 3.7 | 0.5 | 41.4 | 292.6 | 56.1 | 2.6 | 98.0 |
| SBD250777 | SBDH25098 | 19.0 | 22.0 | 106.0 | 211.3 | 23.7 | 85.3 | 15.1 | 2.6 | 13.2 | 2.3 | 13.1 | 2.7 | 8.2 | 1.1 | 7.5 | 1.1 | 83.8 | 577.2 | 109.0 | 4.5 | 137.0 |
| SBD250778 | SBDH25098 | 22.0 | 25.0 | 96.3 | 241.4 | 21.8 | 78.8 | 13.6 | 2.4 | 13.6 | 2.3 | 13.3 | 2.8 | 8.0 | 1.1 | 7.2 | 1.2 | 85.2 | 589.1 | 100.7 | 4.9 | 93.0 |
| SBD250779 | SBDH25098 | 25.0 | 28.0 | 100.7 | 229.7 | 22.8 | 78.5 | 14.0 | 2.5 | 12.7 | 2.2 | 12.7 | 2.7 | 8.3 | 1.3 | 8.2 | 1.3 | 86.6 | 584.3 | 101.3 | 5.4 | 75.0 |
| SBD250780 | SBDH25098 | 28.0 | 31.0 | 56.9 | 112.2 | 12.9 | 45.3 | 7.5 | 1.4 | 7.5 | 1.2 | 7.2 | 1.5 | 4.6 | 0.7 | 4.8 | 0.6 | 46.5 | 310.5 | 58.1 | 4.1 | 148.0 |
| SBD250781 | SBDH25098 | 31.0 | 34.0 | 69.7 | 145.0 | 15.7 | 55.8 | 9.7 | 1.7 | 8.9 | 1.4 | 8.9 | 1.9 | 5.5 | 0.8 | 5.8 | 0.8 | 57.4 | 388.8 | 71.5 | 4.8 | 97.0 |
| SBD250782 | SBDH25098 | 34.0 | 37.0 | 57.5 | 119.8 | 13.4 | 46.4 | 8.3 | 1.6 | 7.3 | 1.2 | 7.4 | 1.6 | 4.9 | 0.7 | 4.9 | 0.8 | 46.2 | 321.9 | 59.8 | 4.6 | 114.0 |
| SBD250783 | SBDH25098 | 37.0 | 40.0 | 54.1 | 111.2 | 11.6 | 40.2 | 7.1 | 1.2 | 6.1 | 1.0 | 7.2 | 1.6 | 4.7 | 0.7 | 4.8 | 0.8 | 47.5 | 299.7 | 51.8 | 4.4 | 104.0 |
| SBD250784 | SBDH25098 | 40.0 | 43.0 | 58.8 | 114.2 | 13.5 | 48.6 | 7.4 | 1.6 | 7.1 | 1.2 | 7.5 | 1.6 | 4.9 | 0.7 | 5.0 | 0.8 | 46.6 | 319.5 | 62.1 | 4.2 | 77.0 |
| SBD250785 | SBDH25098 | 43.0 | 46.0 | 51.1 | 101.1 | 11.2 | 38.7 | 6.9 | 1.4 | 6.6 | 1.1 | 6.7 | 1.4 | 4.7 | 0.7 | 4.7 | 0.6 | 42.2 | 279.1 | 49.9 | 4.2 | 90.0 |
| SBD250786 | SBDH25098 | 46.0 | 49.0 | 29.0 | 61.8 | 5.8 | 19.5 | 3.9 | 0.7 | 4.0 | 0.8 | 5.3 | 1.3 | 4.4 | 0.7 | 4.8 | 0.7 | 38.2 | 180.9 | 25.3 | 4.8 | 104.0 |
| SBD250787 | SBDH25098 | 49.0 | 52.0 | 28.7 | 64.4 | 5.4 | 18.1 | 3.4 | 0.7 | 3.2 | 0.6 | 4.3 | 1.0 | 3.2 | 0.5 | 4.2 | 0.6 | 30.1 | 168.5 | 23.5 | 4.8 | 121.0 |
| SBD250788 | SBDH25098 | 52.0 | 55.0 | 53.8 | 90.4 | 8.9 | 27.2 | 4.5 | 0.8 | 3.5 | 0.7 | 4.1 | 0.9 | 2.7 | 0.4 | 3.1 | 0.5 | 26.3 | 227.8 | 36.1 | 4.5 | 150.0 |

## Appendix 4 JORC Code, 2012 Edition - Table 1

## Section 1 – Sampling Techniques and Data

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| **Sampling techniques** | Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. | Aircore (AC) drilling was used to collect one metre bulk samples in buckets. Samples passed through an in-line cyclone prior being collected in the bucket. Each drilled sample was placed onto tarped ground in ordered rows by the drill crew under BSN supervision.<br><br>Representative material (fines and chips) of each metre drilled were collected and placed in numbered chip trays.<br><br>Samples for geochemical analyses were primarily collected as composite samples of 3 metres from the bulk samples in zones of interest (clay horizons). Depending on lithological factors, composite samples of 1, 2 or 4 metres have been occasionally collected. Composite samples were collected scooping the relevant one-metre bulk sample piles to collect a sub-sample of approximate equal volume from each one-metre sample pile. The composite sample was placed into a pre-numbered paper geochemistry bag.<br><br>In addition to composite samples, one metre archive samples were also collected from each bulk sample pile. These samples are currently stored in BSN's storage in Mount Isa. |
| | Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. | Composite samples of generally 3 m length were collected from the bulk samples in zones of interest (clay horizons). Samples were sieved and/or speared as per industry standards and care taken to create samples of the same weight (<1 kg).<br><br>When small amounts of water were encountered in the hole, samples continued to be collected with care taken to obtain as representative a sample possible. Notes were made on log sheets where water was intersected in a drillhole. |
| | Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information. | Composite samples were prepped at ALS Mount Isa laboratory with pulverising a 500 g split to 85% passing 75 microns (PUL-32m). The prepped samples were then shipped to ALS Brisbane for analyses comprising of Lithium Borate fusion with an ICP-MS finish (ME-MS81). |
| **Drilling techniques** | Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.). | Aircore drilling was conducted by United Drilling Services using a Hanjin 8-TM mounted rig on Isuzu FSS 4x4 carrier. 3" rods were used for the program.<br><br>Drillholes were all vertical. |
| **Drill sample recovery** | Method of recording and assessing core and chip sample recoveries and results | Sample recovery was qualitatively assessed by the geologist monitoring the bulk samples. |

| | | |
|---|---|---|
| | assessed. | |
| | Measures taken to maximise sample recovery and ensure representative nature of the samples. | The cyclone and bulk buckets were regularly cleaned to ensure no material build up. Sample material was checked for any potential downhole contamination. The drilling sample recoveries/quality are acceptable and are appropriately representative for the style of mineralisation at an early-stage exploration level. |
| | Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. | No grade versus sample recovery biases, or biases relating the loss or gain of fines have been identified. |
| **Logging** | Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. | All aircore drillholes have been geologically logged on site for lithologies, colour, weathering, oxidation and other features of note. Due to the nature of the drilling technique and resultant sample, no geotechnical information has been recorded. |
| | Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. | Geological logging is considered qualitative in nature. Chip trays were photographed dry. |
| | The total length and percentage of the relevant intersections logged. | All aircore drillholes were logged in full by Basin Energy geologists. |
| **Sub-sampling techniques and sample preparation** | If core, whether cut or sawn and whether quarter, half or all core taken. | Aircore drilling was completed during this program. |
| | If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. | Based on geological logging, aircore samples were scooped directly from the one-metre bulk sample pile into assay bags. Two, three and four metre composites were collected and send to ALS laboratory in Mount Isa for multielement analyses. |
| | For all sample types, the nature, quality and appropriateness of the sample preparation technique. | The sampling protocol implemented for the composite samples is appropriate to industry standards in relation to aircore sampling.<br><br>Composite samples were prepped at ALS Mount Isa laboratory with pulverising a 500 g split to 85% passing 75 microns (PUL-32m) prior freighting to ALS Brisbane for analyses. |
| | Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. | Field QAQC procedures involve the use of Certified Reference Material (CRM) standards and field duplicate samples at an insertion rate of 1:25.<br>Laboratory QAQC protocols included the use of ALS laboratory standards, blanks and duplicates. |
| | Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. | Field QAQC procedures involve the use of Certified Reference Material (CRM) standards and field duplicate samples at an insertion rate of 1:25. |
| | Whether sample sizes are appropriate to the grain size of the material being sampled. | The sample sizes for the samples are appropriate for the grain size and lithology type of the material. |
| **Quality of assay data and laboratory tests** | The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. | The analytical technique involved Lithium Borate fusion with an ICP-MS finish for multi-element analysis (ME-MS81). The sample preparation and analysis methods are considered industry standard for the style of mineralisation being tested. |
| | For geophysical tools, spectrometers, handheld XRF instruments, etc., the | No geophysical tools or portable XRF instruments were utilised to determine assay values. A calibrated RS 111 was used to scan bulk sample piles whilst detailed logging occurred. |

| | | |
|---|---|---|
| | parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. | |
| | Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established. | Internal laboratory control procedures involve duplicate assaying of randomly selected assay pulps as well as internal laboratory standards and blanks. All these data are reported to the Company. |
| **Verification of sampling and assaying** | The verification of significant intersections by either independent or alternative company personnel. | Data were not verified by independent company. |
| | The use of twinned holes. | No holes were twinned for this program. |
| | Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. | Primary data was collected in the field using Excel templates on a Panasonic Toughbook laptop or printed logging sheets. All data, included verified assay data from the laboratory are stored on company storage drives. |
| | Discuss any adjustment to assay data. | Where uranium was reported, Basin has converted this to uranium oxide by applying the following formulae:<br>*U ppm *1.17924 = $U_3O_8$ ppm*<br><br>Regarding rare earth elements, the element values were converted to oxides. The conversion formulas for each element are included in the list below:<br>*Ce ppm *1.2284 = CeO2 ppm*<br>*Dy ppm *1.1477 = Dy2O3 ppm*<br>*Er ppm *1.435 = Er2O3 ppm*<br>*Eu ppm *1.1579 = Eu2O3 ppm*<br>*Gd ppm *1.1526 = Gd2O3 ppm*<br>*Ho ppm *1.1455 = Ho2O3 ppm*<br>*La ppm *1.1728 = La2O3 ppm*<br>*Lu ppm *1.1371 = Lu2O3 ppm*<br>*Nd ppm *1.1664 = Nd2O3 ppm*<br>*Pr ppm *1.2082 = Pr6O11 ppm*<br>*Sm ppm *1.1596 = Sm2O3 ppm*<br>*Tb ppm *1.1762 = Tb4O7 ppm*<br>*Tm ppm *1.1421 = Tm2O3 ppm*<br>*Y ppm *1.2699 = Y2O3 ppm*<br>*Yb ppm *1.1387 = Yb2O3 ppm*<br><br>Rare earth oxide is the industry accepted form for reporting rare earth elements. The following calculations are used for compiled rare earth oxides into their reporting and evaluation groups:<br><br>TREO (Total Rare Earth Oxide = CeO2 + Dy2O3 + Er2O3 + Eu2O3 + Gd2O3 + Ho2O3 + La2O3 + Lu2O3 + Nd2O3 + Pr6O11 + Sm2O3 + Tb4O7 + Tm2O3 + Y2O3 + Yb2O3<br><br>LREO (Light Rare Earth Oxide) = CeO2 + La2O3 + Nd2O3 + Pr6O11 + Sm2O3<br><br>HREO (Heavy Rare Earth Oxide) = Dy2O3 + Er2O3 + Eu2O3 + Gd2O3 + Ho2O3 + Lu2O3 + Tb4O7 + Tm2O3 + Y2O3 + Yb2O3 |
| **Location of data points** | Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. | No Mineral Resource or Ore Reserve are reported.<br><br>Drillhole collars are located using a handheld Garmin GPSMAP 67i. Nomimal accuracy is 3 m. |
| | Specification of the grid system used. | Drillholes are reported in GDA94 MGA Zone 54 grid system. |

| | | |
|---|---|---|
| | Quality and adequacy of topographic control. | The topographic control is considered adequate at this stage of the program. |
| **Data spacing and distribution** | Data spacing for reporting of Exploration Results. | Drillholes were approximately spaced from 1 kilometre to several kilometres apart. |
| | Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. | No Mineral Resource or Ore Reserve are reported. |
| | Whether sample compositing has been applied. | Two, three and four metre composite samples were collected on all drillholes for multi-element analyses. |
| **Orientation of data in relation to geological structure** | Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. | The reported historical drillholes have been oriented vertically to intersect favourable lithologies, structures at a high angle based on projections from field mapping and geophysical imaging interpretation. |
| | If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. | The drill orientation is not expected to have introduced any sampling bias. |
| **Sample security** | The measures taken to ensure sample security. | Aircore samples were collected by BSN personnel and dropped off to ALS laboratory in Mount Isa for preparation prior analyses. The prepped samples were freighted by ALS to the ALS laboratory in Brisbane for analyses. Sample freight used ALS's chain of custody protocols, which are considered industry standards. |
| **Audits or reviews** | The results of any audits or reviews of sampling techniques and data. | No audits were undertaken by Basin Energy or any independent parties. |

## Section 2 – Reporting of Exploration Results

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| **Mineral tenement and land tenure status** | Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. | The results reported in this announcement refer to aircore holes drilled on the Sybella-Barkly Project on EPMs 28331, 28332, 28334, 28335, 28336, 28337, 28339 and 28340 which are located in northwest Queensland, Australia. The Sybella-Barkly Project was granted 'Exploration Project Status' (ref: PROJ 0254) by the Queensland Government on 30 November 2023. The Sybella-Barkly Project is 100% owned and operated by Basin Energy Ltd.<br><br>The tenements overlies the native title areas of the three registered native title groups: the (1) Indjalandji-Dhidhanu people, and the (2), Bularnu Waluwarra Wangkayujuru people. An ancillary exploration access agreement has been established with the Indjalandji-Dhidhanu native title party (Indjalandji-Dhidhanu Aboriginal Corporation RNTBC). Exploration access to the native title lands of the Bularnu Waluwarra Wangkayujuru people are currently covered by the 'expedited procedure' of the Queensland 'native title protection conditions' (NTPCs).<br><br>Active 'conduct and compensation agreements' (CCAs) between Basin Energy Ltd and pastoral title holders within the Sybella-Barkly Project area are currently in place with Ardmore and Barkly Downs stations.<br><br>The tenements where aircore drilling activities occurred are covered by one Environmental Authority Permits: P-EA-100224474. The following protected areas partially overly the Sybella-Barkly Project area: (1) Endangered regional ecosystems along selected perennial water ways, |

| | | |
|---|---|---|
| | | (2) Strategic environmental area (SEA) designated precincts along selected perennial waterways. |
| | The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area. | All tenements are in good standing and no known impediments exists. |
| **Exploration done by other parties** | Acknowledgment and appraisal of exploration by other parties. | There has been negligible mineral exploration activity targeting the near surface geology across most of the project area and none targeting REEs.<br><br>Four shallow auger holes and a single diamond drillhole were drilled in 1977 following up on radiometric uranium anomalies along the western margin of the outcropping Mount Isa Inlier in the northern part of the Sybella-Barkly Project area.<br><br>A Joint Venture Between Summit Resources and Newland Resources Limited held 17 tenements across the project area between 2006-2009. The exploration target was roll-front uranium and unconformity uranium (Hamlyn, 2008 – CR54235). The high-resolution Fugro Tempest AEM survey identified an array of shallow conductive anomalies interpreted to be palaeochannels conducive to roll-front uranium targeting; however, these anomalies were never drilled.<br><br>Aeon Metals Ltd was awarded a CEI grant (CEI0147 – round 4) to drill deep IOCG targets to the northwest of the project area. They intercepted 5-10 metres of clay overlying Palaeozoic dolomite (Murday et al., 2021 - CR127433).<br><br>NeoDys Ltd re-analysed in 2022 Sybella granite samples from Geoscience Australia's national rock archive, confirming REE prospectivity on the project. Additionally, assays of 130 soil/creek samples confirmed broad-scale REE surface anomalies within NeoDys' tenure. In 2023, NeoDys conducted a shallow proof-of-concept auger drilling program in the Sybella granite demonstrating the presence of LREE enrichment within the near surface regolith of the Sybella granite. NeoDys' auger drilling across the Sybella has defined similar levels of rare earth anomalism (including 5 m @ 1,951 ppm TREO with 578 ppm Nd+Pr oxide, incl. 3 m @ 705 ppm Nd+Pr oxide.). Drill targets were located along strike of Red Metal's Sybella bulk granite REE discovery. |
| **Geology** | Deposit type, geological setting and style of mineralisation. | The Mount Isa Inlier is a large region of Palaeoproterozoic to Mesoproterozoic continental crust in northwest Queensland and is located along the eastern margin of the North Australia Craton. The Sybella Batholith is a large composite granitic belt which outcrops as a semi-continuous, NS-trending linear body (180 x 30 km) within the western fold belt of the Mount Isa Inlier. Granites of the Sybella Batholith typically have A-type geochemical compositions and exhibit moderate to extreme enrichment in high field strength elements (e.g. Zr, U, Th, REE's, Y, Nb, and Ta. The Neoproterozoic to early Palaeozoic Georgina Basin overlies the western margin of the Mount Isa Inlier. The project area overlies the eastern margin of the Oban Sub-Basin. The basin architecture in the region is interpreted to be relatively shallow and structurally complex with numerous basement highs, and probable graben and half graben features. The Georgina Basin sedimentary units within the project area from part of the Narpa Group and are dominantly composed of limestone and dolomite, as well as lesser amounts laminated shale, siltstone, chert and phosphorite in near-shore facies along the eastern margin of the basin. Surface sediments in the project area include Tertiary to Quaternary sand- and clay-dominated colluvial and alluvial flood, channel and aeolian deposits.<br><br>Basin Energy's exploration team considers that the Sybella Barkly Project potentially hosts four mineral deposit styles:<br>1. Granite-hosted, bulk tonnage, weak-acid soluble rare earth fluoro carbonate deposits similar in style to Red Metal Ltd's adjacent Sybella REE project. This deposit style occurs in rare earth element-enriched granitic rocks such as the various plutons of the Sybella Batholith.<br>2. Large, shallow, bulk tonnage, REE mineralisation hosted in clay-rich alluvial deposits underlying the Barkly Tableland. These alluvial deposits are composed of sedimentary material derived from the long-term erosion of REE-enriched Sybella Batholith granite source rocks. |

| | | |
|---|---|---|
| | | 3. 'Honeymoon-style' palaeochannel uranium deposits within the sedimentary units underlying the Barkly Tableland. The ultimate source rocks for the sediment-hosted uranium are the U-rich granites of the Sybella Batholith.<br>4. 'Valhalla-style' shear hosted uranium mineralisation along the northern margin of the Sybella Batholith and within the granite itself.<br><br>EPMs 28331, 28332, 28334, 28335, 28336, 28337, 28339 and 28340 are prospective for 'Honeymoon-style' palaeochannel uranium deposits and large, shallow, bulk tonnage, REE mineralisation hosted in clay-rich alluvial deposits underlying the Barkly Tableland. |
| **Drill hole information** | A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:<br>○ easting and northing of the drill hole collar<br>○ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar<br>○ dip and azimuth of the hole<br>○ down hole length and interception depth<br>○ hole length. | Tables comprising the collar details and significant mineralised intercepts are included in Appendix 2 and 3 of this announcement. |
| | If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. | All material information has been provided in this announcement. |
| **Data aggregation methods** | In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated. | Exploration drill results are reported by length weighted average grades. |
| | Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. | Short intervals of high grade that have a material impact on overall intersections are reported as separate (included) intervals. |
| | The assumptions used for any reporting of metal equivalent values should be clearly stated. | No metal equivalence have been reported. |
| **Relationship between mineralisation widths and intercepts lengths** | These relationships are particularly important in the reporting of Exploration Results. | Downhole lengths are reported, true width is not known. |
| | If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. | Mineralised intersections are suspected to be sub-horizontal, however, this remains to be conclusively tested. |
| | If it is not known and only the down hole lengths are | Drilling was early stage exploration in nature, with insufficient data to establish true widths of mineralisation observed. |

| | | |
|---|---|---|
| | reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known'). | |
| **Diagrams** | Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include but not be limited to a plan view of drill hole collar locations and appropriate sectional views. | Maps and tables have been included in the body of this announcement. |
| **Balanced Reporting** | Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results. | It is the Competent Person's opinion that a balanced summary of exploration results has been reported. |
| **Other substantive exploration data** | Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances. | All relevant and material exploration data for the target areas discussed have been reported or referenced. |
| **Further work** | The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling). | 1. RC drill program to test the depth continuity of anomalous REE mineralisation identified in shallow auger drilling.<br>2. Mapping and rock chip sampling of the Northern Sybella Batholith granites (Keithys Granite and the Kitty Plain Microgranite) and the adjacent country rocks to test for the presence of Valhalla-style U-mineralisation and/or associated alteration halos.<br>3. AEM of the southern extension of the Barkly Tableland palaeochannel system. |
| | Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. | Maps including the location of the assayed historical drillholes are included in the body of this announcement. |