**31 OCTOBER 2023**

# SANDY MITCHELL ASSAYS CONFIRM HEAVY AND LIGHT RARE EARTHS MINERALISATION

## HIGHLIGHTS

- **Every assayed sample from surface to end of hole carried Rare Earth Elements, comprising all critical Light Rare Earths as well as Heavy Rare Earths including dysprosium (Dy), terbium (Tb), holmium (Ho), erbium (Er), thulium (Tm) ytterbium (Yb), yttrium (Y) and excluding only Lutetium. Niobium (Nb205) grades are also consistent is assays; Magnet metals account for 23% of the TREO.**
- **Total Rare Earth Oxides plus Yttrium and Scandium average grades for every metre assayed 503.5ppm with highest grades of 1175.4ppm;**
- **Light Rare Earth average grade for every metre assayed 454.3 ppm with the highest grades of 1048 ppm.**
- **Heavy Rare Earth plus Yitrium average grade for every meter assayed 49.2 ppm with the highest grades of 129.3 ppm.**
- **Magnetic Rare earth Oxides average grade for every metre assayed 109.4 ppm with the highest grades of 269.7 ppm.**
- **Assay grades reported are considered commercial and highly encouraging given Sandy Mitchell is a very large 147km$^2$ Placer (sand) Deposit meaning the material is amenable to panning a concentrate indicating low-cost, fast start up, straightforward beneficiation by gravity processing.**
- **The Rare Earths are all hosted in sand, the preferred style of Rare Earth deposit as they do not need to be extracted from clay with chemicals or rock by comminution and processing.**
- **Drilling covered an area of only 1.3 km$^2$ which is 1.2% of the peak radiometric reading on the lease. Stages 2 to 4 will ultimately cover the full anomaly with Stage 2 drilling underway.**
- **All holes show sand at surface to the bottom of the sand profile; there is no overburden or clay layers**
- **Assay results from this program with extensional drilling and ongoing test work will form the basis of a Maiden Mineral Resource Estimate (MRE) under the 2012 JORC code.**
- **Sandy Mitchell's Rare Earths Metallurgical test work advancing; Mineral Technologies confirm samples received, with first phase deliverables expected in Q4 including:**
  - **Ore characterisation;**
  - **Metallurgical characterisation and balances including REE mineral beneficiation; and**
  - **HMC production evaluation including suitability of beneficiation by gravity.**
- **Proof of mineral and concept study inclusive of REE mineral beneficial evaluation by floatation and conventional techniques (electrostatic magnetic separation). These studies could be used in a class 5 FEL1AACE engineering design study (concept).**

- **Final product (Mineral) set to be evaluated for multiple potential commercial markets and build initial business case**.
- **First 100 assays have been reported, further results are pending**.

**Ark Mines Limited (ASX:AHK)** is pleased to provide assay results at the Company's 100%-owned Sandy Mitchell Rare Earth and Heavy Mineral Project in North Queensland.

The first batch of results (from 1m intervals) for Ark's 144-hole Stage 1 drill program have confirmed that Rare Earths mineralisation is evident in every interval of every hole assayed to-date.

Concurrently, specialist consultant Mineral Technologies is also advancing metallurgical test to characterise the REE's and Heavy Minerals identified within the sands at Sandy Mitchell (*refer ASX Announcement 22 August 2023*).

The Company expects to report further updates on the metallurgy before the end of CY2023, including ore characterisation and HMC production evaluation (including suitability of beneficiation by gravity).

Ark has also commenced studies to evaluation REE mineral beneficiation processes, including floatation and conventional techniques.

**Executive Director Ben Emery said:** *"These first assays are particularly pleasing and highlight the potential scale of Rare Earths mineralisation at Sandy Mitchell. Stage 2 extension drilling has now commenced, and our on-site team is hard at work on the detailed extension drill program which will ultimately provide us with REE assays across the full rare earths anomaly – an exciting prospect given the highly promising results from the Phase 1 program which covered just 1.2% of the site area where peak radiometric reading was recorded in preliminary testing.*

*"We are very confident that Sandy Mitchell has the potential to develop into a large-scale Australian rare earths project that also benefits from minimal environmental impact due to its unique geological profile, where rare earths are hosted in sand and can be extracted by straightforward beneficiation by gravity processing which removes the need for pollutive extraction processes. Also, give the rare earths are hosted in sands, the grades we are reporting today are regarded as commercial as processing to deliver a saleable concentrate is much more straightforward given Mother Nature has done our crushing. The Company now has several updates forthcoming in connection with its works program which will form the basis of a Maiden Mineral Resource Estimate (MRE) at Sandy Mitchell."*

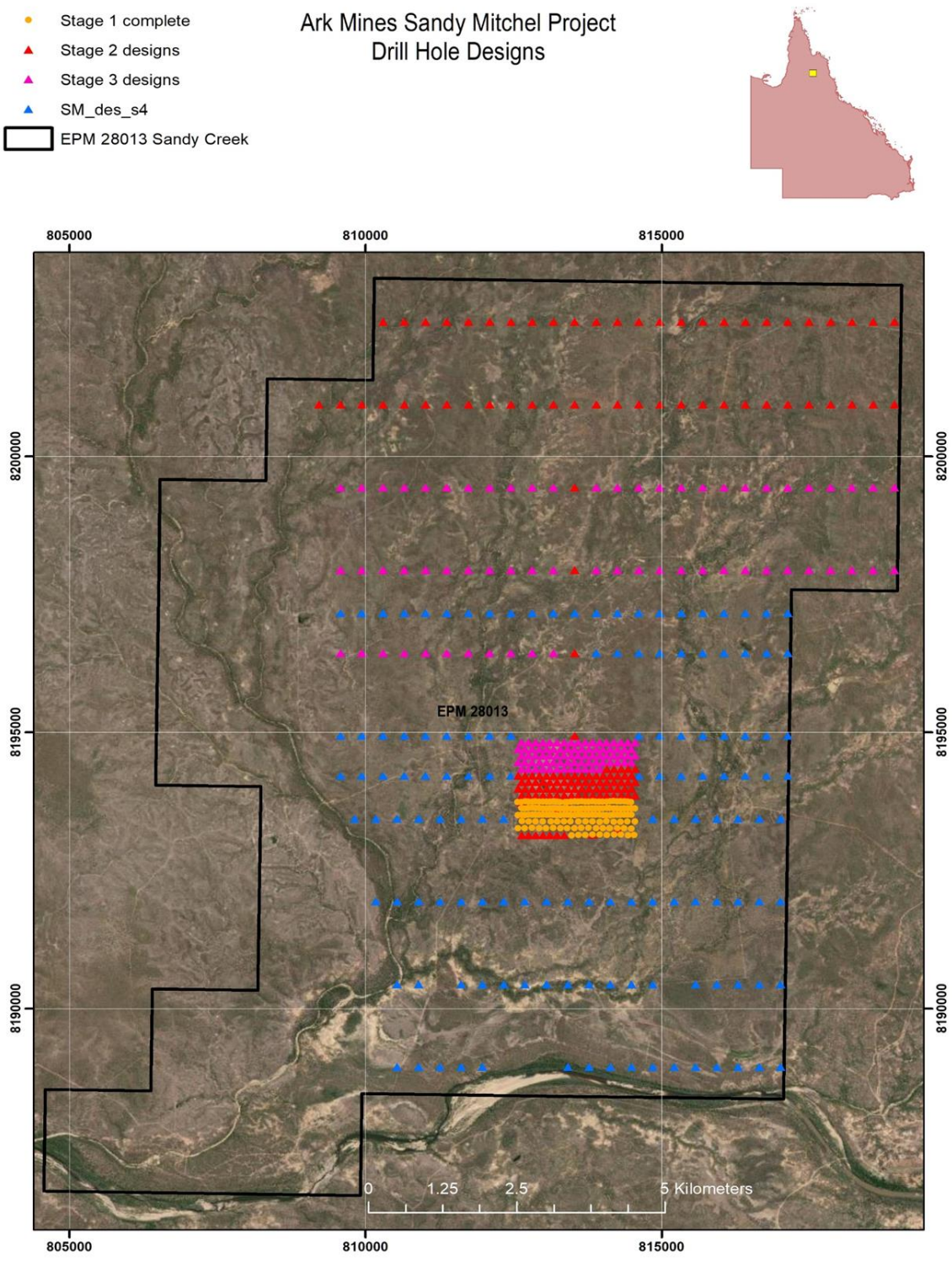


**Figure 1*:* Drill hole locations at the Sandy Mitchell Rare Earth and Heavy Mineral project**

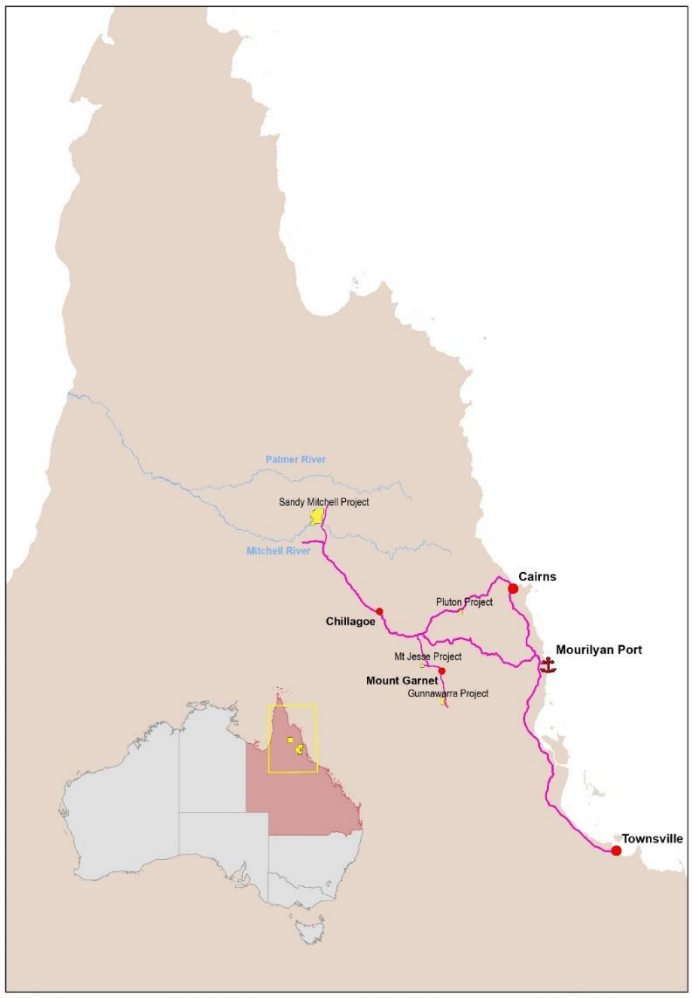


**Figure 2 Sandy Mitchell Rare Earth and Heavy Mineral project location**

**For further information please contact:**

**Roger Jackson**
**Executive Chairman**
**info@arkmines.com.au**

**Ben Emery**
**Executive Director**
**info@arkmines.com.au**

**Released through:** Ben Jarvis, Six Degrees Investor Relations, +61 413 150 448

Or visit our website and social media:
www.arkmines.com | www.twitter.com/arkmineslimited

## About Ark Mines Limited

Ark Mines is an ASX listed Australian mineral exploration company focused on developing its 100% owned projects located in the prolific Mt Garnet and Greenvale mineral fields of Northern Queensland and includes:

**The Sandy Mitchell Rare Earth and Heavy Mineral Project**

- Ark is rapidly advancing the 147km$^2$ EPM 28013 'Sandy Mitchell' tenement – an advanced Rare Earths Project in North Queensland with additional 138km2 of sub blocks under application
- Very high historical TREO grades including high grade pan concentrates of all critical Light Rare Earths including dysprosium (Dy), terbium (Tb), holmium (Ho), erbium (Er), thulium (Tm) ytterbium (Yb), yttrium (Y) and excluding only Lutetium
- Up to 25% of the TREO is Nd and Pr (magnet metals)
- Rare Earths at 'Sandy Mitchell' are amenable to panning a concentrate
- Planned low-cost, fast start up, straightforward beneficiation by gravity processing

Ark's exploration portfolio also consists of three high quality projects covering 200km$^2$ of tenure that are prospective for copper, iron ore, nickel-cobalt and porphyry gold:

**Gunnawarra Nickel-Cobalt Project**

- Comprised of 11 sub-blocks covering 36km$^2$
- Borders Australian Mines Limited Sconi Project - most advanced Co-Ni-Sc project in Australia
- Potential synergies with local processing facilities with export DSO Nickel/Cobalt partnership options

**Mt Jesse Copper-Iron Project**

- Project covers a tenure area of 12.4km$^2$ located ~25km west of Mt Garnet
- Centred on a copper rich magnetite skarn associated with porphyry style mineralization
- Three exposed historic iron formations
- Potential for near term production via toll treat and potential to direct ship

**Pluton Porphyry Gold Project**

- Located ~90km SW of Cairns near Mareeba, QLD covering 18km$^2$
- Prospective for gold and associated base metals (Ag, Cu, Mo)
    - Porphyry outcrop discovered during initial field inspection coincides with regional scale geophysical interpretation.

**Reliance on historic data**

All sample data reported in this release, as disclosed in the body of the release, in the tables in the Appendix and in the JORC table is based on data compiled by the Competent Person from other sources and quoted in their original context. These sources have been referenced in the text and the original Competent Persons statements may be found with the relevant documents. Some of this information is publicly available but has not been reported in accordance with the provisions of the JORC Code and a completed Table 1 of the JORC Code and Competent Persons statement is attached to this Release. Whilst every effort has been made to validate and check the data, these results should be considered in the context in which they appear and are subject to field verification by the Company.

**Competent Persons Statement**

The Information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Mr Roger Jackson, who is a Fellow of the Australian Institute of Mining and Metallurgy and a Fellow of the Australasian Institute of Geoscientists. Mr Jackson is a shareholder and director of the Company. Mr Jackson has sufficient experience which is relevant

to the style of mineralisation and type of deposits under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the `Australian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves '(the JORC Code). Mr Jackson consents to the inclusion of this information in the form and context in which it appears in this report. Mr Jackson confirms information in this market announcement is an accurate representation of the available data for the exploration areas being acquired.

**Forward Looking Statements and Important Notice**

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations and estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of Vertex Minerals 'control.

Actual results and developments will almost certainly differ materially from those expressed or implied. Vertex Minerals has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this announcement. To the maximum extent permitted by applicable laws, Ark Mines makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this report and without prejudice, to the generality of the foregoing, the achievement or accuracy of any forecasts, projections or other forward looking information contained or referred to in this report.

Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.

# Appendix A: JORC Code, 2012 Edition – Table 1

## Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Sampling techniques* | • *Nature and quality of sampling (eg 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.*<br>• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>• *Aspects of the determination of mineralisation that are Material to the Public Report.*<br>• *In cases where 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.* | Ark Mines May to June 2023 Sandy Mitchell programme sampling techniques:<br>• Samples are rock chips and accompanying bulk fines collected on 1m intervals by air core drill using 100mm bit.<br>• Sample was passed through an 82.5: 12.5 riffle splitter to yield an aliquot of approx. 1.5 kg collected in prenumbered calico bag, and a reject retained in a numbered plastic bag, with recoveries volumetrically estimates.<br>• Historic works by SGS (SGS Oretest Job No: S0580, 2010 for JOGMEC) shows mineralisation to have grainsize < 125µm (very fine sand) and thus the sample mass is adequate for representivity.<br>• Sample for total digest assay was sent to North Australian Laboratories for Assay.<br>• Sample for pan concentration was sub-sampled by spade channel through the reject to a mass of approx. 1kg per metre as determined by digital scales. These were then panned to a concentrate and the subsequent concentrates composited per hole.<br>• Pan Con composite samples were sent to IHC Mining where samples were screened to -1mm, heavy minerals were further separated by heavy liquid separation with yields weighed at each stage.<br>• The final heavy mineral concentrate was subject to Portable XRF analysis for a limited indicative assay. |
| *Drilling techniques* | • *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Drill was by Comacchio track mounted air core rig using 100mm air core bit.<br>• All holes were vertical and drilled to refusal or 17.5m, whichever came first. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Drill sample recovery* | • *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>• *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.* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Recovery were assessed by volumetric estimation by the metre based on total sample weights using a digital scale.<br>• Sample was passed through a cyclone with a gated chute to allow fines to fall out of the air stream. The chute was kept closed until the end of each metre had been drilled, then opened to collect sample, and closed prior to recommencement of drilling.<br>• No relationship between recovery and grade has yet 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.*<br>• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*<br>• *The total length and percentage of the relevant intersections logged.* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Sample was logged by the metre for all drilling, by the site geology team for both qualitative and quantitative criteria.<br>• Drill logs for 100% of drilling are available with overall length of 1488.3m.<br>• Logging is sufficient to support resource estimation, mining and metallurgical studies. |
| *Sub-sampling techniques and sample preparation* | • *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*<br>• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br>• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br>• *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.*<br>• *Whether sample sizes are appropriate to the grain size of the material being sampled.* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• All sample passed through the drill cyclone dry.<br>• Sub-sampling for laboratory assay was by 87.5:12.5 riffle splitter: the bulk sample was passed evenly through the riffles with the assay aliquot collected in a pre-numbered calico bag, and the reject collected in a numbered plastic bag.<br>• Field duplicates were taken at 1:40 by 50:50 riffle splitter.<br>• Historic works by SGS (SGS Oretest Job No: S0580, 2010 for JOGMEC) shows mineralisation to have grainsize < 125µm (very fine sand) and thus the sample mass is representative.<br>• Sample for pan concentration was sub-sampled by spade channel through the reject to a mass of approx. 1kg per metre as determined by digital scales. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *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.*<br>• *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.*<br>• *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Metre samples were sent to North Australian Laboratories (NAL) for total digest assay:<br>• Samples were weighed then kiln dried and re-weighed.<br>• 1 in 5 samples was tested for moisture content.<br>• 1 in 3 samples was tested for dry loose bulk density.<br>• Sample was then pulverization in an LM-5 to 75% passing 90 µm with assay aliquot selected by laboratory splitter.<br>• Al, Ca, Cr, Fe, Mg, P, S, and Ti were assayed by 4 acid digest with ICP-OES finish.<br>• Sc, Y, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Zr, Hf, Nb, Ta, Si, Sr, Pb were assayed by peroxide fusion in nickel crucibles with ICP-MS finish.<br>• Field duplicates were taken at 1:40 by 50:50 riffle split of the assay aliquot.<br>• For total digest samples:<br>  • Laboratory repeats were requested at no less than 1 in 40.<br>  • Standard insertion was carried out by the laboratory at 1 in 12.<br>  • Assay of blank quartz flushes was requested at 1 in 40.<br>• For pan concentrate samples<br>  • Laboratory repeats were requested at no less than 1 in 40.<br>  • Standard insertion was requested of the laboratory at no less than 1 in 40.<br>  • Assay of blank quartz flushes was requested at 1 in 40.<br>• Total radiometric count was measured on all assay samples using a SAIC Exploranium GR-110G hand held scintillometer, hired from Terra Search Townsville, pre-calibrated.<br>• Reading times were 10 second accumulations, which was the machine maximum, with 100x10 second background accumulations taken per day, per measuring station.<br>• IHC Mining Laboratory procedures for pan concentrate composite samples was:<br>  • Creation of duplicates by split at a rate of 1 in 24<br>  • Screen to -1mm and weigh<br>  • Heavy liquid separation and weigh<br>  • Pulverization of the heavy mineral fines by extended grind<br>  • Portable XRF analysis of the pulp<br>• QAQC implemented is believed sufficient to establish accuracy and precision. |
| *Verification of sampling and assaying* | • *The verification of significant intersections by either independent or alternative company personnel.*<br>• *The use of twinned holes.*<br>• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>• *Discuss any adjustment to* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Significant intersections have not yet been determined.<br>• Hole SMDH 00014b is twinned by SMDH 00014bt for QAQC purposes. Further twinning is in planning.<br>• Data was entered into MS excel then verified against hard copy data, followed by import into Datamine Studio RM for validation.<br>• Primary data is stored as hard copy, electronic tables in CSV format and Datamine format.<br>• Assay data yielding elemental concentrations for rare |

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td></td><td>assay data.</td><td>earths (REE) within the sample are converted to their stoichiometric oxides (REO) in a calculation performed using the conversion factors in the table below.<br>• Rare Earth oxide is the industry accepted form for reporting rare earths. The following calculations have been used for reporting:<br>• TREO = La2O3 + Ce02 + Pr6O11 + Nd2O3 + Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3+ Y2O3<br>• CREO = Nd2O3 + Eu2O3 + Tb4O7 + Dy2O3 + Yb2O3<br>• LREO = La2O3 + Ce02 + Pr6O11<br>• HREO = Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3+ Y2O3<br>• ND/Pr = Nd2O3 + Pr6O11<br>• TREO – Ce = TREO – CeO2<br>• %NdPr + NdPr/TREO
<table>
<tr><th>Element Name</th><th>Element Oxide</th><th>Oxide Factor</th></tr>
<tr><td>Ce</td><td>CeO2</td><td>1.2284</td></tr>
<tr><td>Dy</td><td>Dy2O3</td><td>1.1477</td></tr>
<tr><td>Er</td><td>Er2O3</td><td>1.1435</td></tr>
<tr><td>Eu</td><td>Eu2O3</td><td>1.1579</td></tr>
<tr><td>Gd</td><td>Gd2O3</td><td>1.1526</td></tr>
<tr><td>Ho</td><td>Ho2O3</td><td>1.1455</td></tr>
<tr><td>La</td><td>La2O3</td><td>1.1728</td></tr>
<tr><td>Lu</td><td>Lu2O3</td><td>1.1371</td></tr>
<tr><td>Nd</td><td>Nd2O3</td><td>1.1664</td></tr>
<tr><td>Pr</td><td>Pr6O11</td><td>1.2081</td></tr>
<tr><td>Sc</td><td>Sc2O3</td><td>1.5338</td></tr>
<tr><td>Sm</td><td>Sm2O3</td><td>1.1596</td></tr>
<tr><td>Tb</td><td>Tb4O7</td><td>1.1762</td></tr>
<tr><td>Th</td><td>ThO2</td><td>1.1379</td></tr>
<tr><td>Tm</td><td>Tm2O3</td><td>1.1421</td></tr>
<tr><td>U</td><td>U3O8</td><td>1.1793</td></tr>
<tr><td>Y</td><td>Y2O3</td><td>1.2699</td></tr>
<tr><td>Yb</td><td>Yb2O3</td><td>1.1387</td></tr>
</table></td></tr>
<tr><td>Location of data points</td><td>• 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.<br>• Specification of the grid system used.<br>• Quality and adequacy of topographic control.</td><td>Ark Mines May to June 2023 Sandy Mitchell programme:<br>• An initial collar survey by hand held GPS was conducted as a failsafe, with expected accuracy of ±5000mm in x and y, and ±50000mm in z.<br>• Full survey by Twine Surveys was subsequently carried out using RTKdGPS with accuracy of ±20mm in x and y, and ±200mm in z<br>• Twine’s professional RTK survey was implemented between drill collars and used to generate a digital terrain model for high quality topographic control.<br>• All survey data is recorded in MGA 2020 zone 54 and AHD.</td></tr>
<tr><td>Data spacing and distribution</td><td>• Data spacing for reporting of Exploration Results.<br>• Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for</td><td>Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Data spacing for the northern 3 lines of drilling is 60m x 120m.<br>• Data spacing for the southern 3 lines is 120m x 120m<br>• No compositing has been applied to 1m samples for total digest assay.</td></tr>
</table>

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.*<br>• *Whether sample compositing has been applied.* | • Pan concentrates were composited per drill hole. |
| *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.*<br>• *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.* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Deposit type is fluvial channel placer with channels believed oriented north to north-east and meso scale structure oriented sub-horizontal arcuate. The applied vertical sampling is the optimal orientation for the deposit type.<br>• No bias by orientation or spatial relationships has been identified. |
| *Sample security* | • *The measures taken to ensure sample security.* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Samples were collected after logging and transported at the end of each day to the company locked storage in Chillagoe.<br>• Samples were boxed in closed pumpkin crates, wrapped in plastic for shipping by courier to the laboratory in Pine Creek, NT. |
| *Audits or reviews* | • *The results of any audits or reviews of sampling techniques and data.* | Ark Mines May to June 2023 Sandy Mitchell programme:<br>• Full audit of sampling techniques and data available to date was carried out by geological consultants, Empirical Earth Science.<br>• EES notes that the composited concentrate samples results in assay representing diluted material with no internal separation possible.<br>• EES noted that the hand panning process of such fine material is prone to heavy mineral loss, with the possibility that concentrates underrepresent the total heavy mineral fraction.<br>• ESS noted that the pXRF technique used in initial concentrate assays is not suited to yield full REE data, but that the results can inform approximate proxy calculations for the full REE suite.<br>• EES noted that none of these factors apply to the representative metre samples and total digest assays, which meet best practice. |

## Appendix B: SM Stage 1 partial assay return

| | | | | | MEAN | 503.5 | 478.5 | 454.3 | 429.3 | 49.2 | 13.1 | 124 | 109.4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MAX | 1175.4 | 1143.4 | 1080.7 | 1048.7 | 129.3 | 37.9 | 279.1 | 269.7 |
| | | | | | MIN | 38.8 | 26.8 | 36.1 | 24.1 | 2.7 | 0.6 | 7.2 | 5.5 |
| BHID | FROM | TO | SID | Recov% | CRCT_cps | TREO+Y+Sc_ppm | TREO+Y_ppm | LREO+Sc_ppm | LREO_ppm | HREO+Y_ppm | HREO_ppm | CREO_ppm | MagREO_ppm |
| SMDH 00013 | 0 | 1 | EXP 524000 | 25 | 3 | | | | | | | | |
| SMDH 00013 | 3 | 4 | EXP 524003 | 70 | 2 | 478.9 | 440.9 | 451.3 | 413.3 | 27.6 | 7.8 | 100 | 100.2 |
| SMDH 00013 | 9 | 10 | EXP 524009 | 70 | 0 | 826.3 | 780.3 | 774 | 728 | 52.3 | 15.9 | 179 | 179.4 |
| SMDH 00012b | 0 | 1 | EXP 524011 | 40 | 7 | 625.1 | 608.1 | 568 | 551 | 57.1 | 16.5 | 150.1 | 137.6 |
| SMDH 00012b | 1 | 2 | EXP 524012 | 50 | 17 | 761.5 | 738.5 | 694.7 | 671.7 | 66.8 | 20.2 | 186 | 172.6 |
| SMDH 00012b | 4 | 5 | EXP 524015 | 70 | 0 | 463.7 | 437.7 | 428.9 | 402.9 | 34.8 | 9.3 | 107.4 | 101.2 |
| SMDH 00012b | 5 | 6 | EXP 524016 | 70 | 0 | 460.4 | 432.4 | 418.2 | 390.2 | 42.2 | 12.5 | 111.3 | 101.5 |
| SMDH 00012b | 6 | 7 | EXP 524017 | 80 | 9 | 381.8 | 361.8 | 348.2 | 328.2 | 33.6 | 9.9 | 90.4 | 83.4 |
| SMDH 00012b | 8 | 9 | EXP 524019 | 80 | 3 | 558.2 | 527.2 | 515 | 484 | 43.2 | 12.5 | 129.6 | 123.9 |
| SMDH 00012b | 9 | 10 | EXP 524020 | 90 | 3 | 382.1 | 362.1 | 336.2 | 316.2 | 45.9 | 9.3 | 102.3 | 81.3 |
| SMDH 00012b | 10 | 11 | EXP 524021 | 80 | 4 | 405.1 | 384.1 | 369.2 | 348.2 | 35.9 | 8.2 | 99.8 | 89.7 |
| SMDH 00012b | 11 | 12 | EXP 524022 | 75 | 5 | 410 | 382 | 368.4 | 340.4 | 41.6 | 8.5 | 101.5 | 85.4 |
| SMDH 00012b | 13 | 14 | EXP 524024 | 80 | 2 | 480.4 | 457.4 | 436.1 | 413.1 | 44.3 | 9.6 | 117.9 | 103.9 |
| SMDH 00012 | 0 | 1 | EXP 524025 | 45 | 6 | 688.8 | 673.8 | 617.1 | 602.1 | 71.7 | 14.6 | 177.8 | 152.2 |
| SMDH 00012 | 1 | 2 | EXP 524026 | 60 | 2 | 466.5 | 440.5 | 420.4 | 394.4 | 46.1 | 9 | 112.3 | 94.7 |
| SMDH 00012 | 2 | 3 | EXP 524027 | 65 | 2 | 242.5 | 224.5 | 221.8 | 203.8 | 20.7 | 3.8 | 60.9 | 54.1 |
| SMDH 00012 | 3 | 4 | EXP 524028 | 70 | 2 | 408.2 | 388.2 | 362.3 | 342.3 | 45.9 | 8.7 | 106.9 | 86.5 |
| SMDH 00012 | 4 | 5 | EXP 524029 | 75 | 6 | 515.5 | 487.5 | 483 | 455 | 32.5 | 9 | 111 | 109.7 |
| SMDH 00011b | 2 | 3 | EXP 524037 | 85 | 4 | 488.1 | 462.1 | 453.1 | 427.1 | 35 | 10.7 | 112.1 | 110.4 |
| SMDH 00011b | 4 | 5 | EXP 524039 | 90 | 13 | 186.2 | 163.2 | 177 | 154 | 9.2 | 1.1 | 46.6 | 47.6 |
| SMDH 00011b | 7 | 8 | EXP 524042 | 60 | 5 | 313.5 | 305.5 | 286.9 | 278.9 | 26.6 | 8.3 | 74.3 | 69.6 |
| SMDH 00011 | 1 | 2 | EXP 524044 | 60 | 5 | 490.9 | 467.9 | 445.7 | 422.7 | 45.2 | 11.8 | 115.2 | 102.2 |
| SMDH 00010b | 1 | 2 | EXP 524049 | 50 | 2 | 618.9 | 567.9 | 489.6 | 438.6 | 129.3 | 37.9 | 188.1 | 118.1 |
| SMDH 00010b | 4 | 5 | EXP 524052 | 85 | 9 | 458.9 | 432.9 | 422.2 | 396.2 | 36.7 | 11.3 | 104.4 | 98.4 |
| SMDH 00010 | 0 | 1 | EXP 524055 | 50 | 6 | 1102 | 1081 | 1004.7 | 983.7 | 97.3 | 29.5 | 263.6 | 247 |
| SMDH 00010 | 1 | 2 | EXP 524056 | 55 | 0 | 333 | 308 | 304.1 | 279.1 | 28.9 | 8.5 | 79.8 | 74 |
| SMDH 00010 | 2 | 3 | EXP 524057 | 60 | 5 | 476.3 | 462.3 | 436.1 | 422.1 | 40.2 | 12 | 118.4 | 112.4 |
| SMDH 00009b | 0 | 1 | EXP 524063 | 55 | 12 | 1175.4 | 1143.4 | 1080.7 | 1048.7 | 94.7 | 28.7 | 279.1 | 269.7 |
| SMDH 00009b | 1 | 2 | EXP 524064 | 60 | 7 | 874.9 | 845.9 | 827.5 | 798.5 | 47.4 | 14.1 | 195 | 203.3 |
| SMDH 00009b | 7 | 8 | EXP 524070 | 75 | 11 | 685.3 | 660.3 | 632.7 | 607.7 | 52.6 | 15.3 | 161.9 | 154.7 |
| SMDH 00009 | 0 | 1 | EXP 524071 | 45 | 3 | 538.4 | 518.4 | 477.1 | 457.1 | 61.3 | 18.1 | 139.3 | 119.6 |
| SMDH 00008b | 0 | 1 | EXP 524084 | 50 | 12 | 474.2 | 451.2 | 425.5 | 402.5 | 48.7 | 14.9 | 119.9 | 107.3 |
| SMDH 00008 | 1 | 2 | EXP 524096 | 65 | 13 | 472.6 | 431.6 | 413.7 | 372.7 | 58.9 | 17.4 | 118.1 | 95.8 |
| SMDH 00007b | 0 | 1 | EXP 524102 | 45 | 19 | 771.9 | 745.9 | 679.2 | 653.2 | 92.7 | 19.9 | 203.6 | 164.6 |
| SMDH 00007b | 1 | 2 | EXP 524103 | 5 | 3 | 448.5 | 416.5 | 371.2 | 339.2 | 77.3 | 15.6 | 135.2 | 89.4 |
| SMDH 00007 | 1 | 2 | EXP 524110 | 50 | 4 | 376 | 348 | 329.6 | 301.6 | 46.4 | 8.7 | 100.3 | 77.2 |
| SMDH 00007 | 2 | 3 | EXP 524111 | 70 | 7 | 445.6 | 422.6 | 394.6 | 371.6 | 51 | 10.6 | 119.8 | 98 |
| SMDH 00006b | 1 | 2 | EXP 524121 | 55 | 27 | 779.4 | 753.4 | 664 | 638 | 115.4 | 24.1 | 225.6 | 166.7 |
| SMDH 00006b | 4 | 5 | EXP 524124 | 75 | 17 | 504.9 | 481.9 | 444.5 | 421.5 | 60.4 | 11.3 | 135.4 | 107.6 |
| SMDH 00006b | 8 | 9 | EXP 524128 | 70 | 19 | 832.3 | 804.3 | 727.1 | 699.1 | 105.2 | 21.3 | 234.9 | 185.7 |
| SMDH 00006b | 11 | 11.5 | EXP 524131 | 45 | 13 | 902.6 | 847.6 | 795.8 | 740.8 | 106.8 | 22.4 | 238 | 191.4 |
| SMDH 00005b | 0 | 1 | EXP 524142 | 20 | 20 | 668.6 | 657.6 | 616.6 | 605.6 | 52 | 16.7 | 139.9 | 133.2 |
| SMDH 00005b | 1 | 2 | EXP 524143 | 25 | 24 | 575.8 | 543.8 | 538.6 | 506.6 | 37.2 | 11.7 | 124.6 | 125 |
| SMDH 00005 | 1 | 2 | EXP 524149 | 40 | 0 | 437.6 | 400.6 | 412.8 | 375.8 | 24.8 | 6.3 | 90.6 | 90.7 |
| SMDH 00002b | 7 | 7.5 | EXP 524199 | 50 | 0 | 167.3 | 152.3 | 158.7 | 143.7 | 8.6 | 1.6 | 36.7 | 36.3 |
| SMDH 00001 | 0 | 1 | EXP 524224 | 40 | 13 | 444.1 | 407.1 | 406.3 | 369.3 | 37.8 | 10.6 | 103.4 | 94.7 |
| SMDH 00205 | 0 | 1 | EXP 524238 | 45 | 18 | 534.2 | 513.2 | 487.9 | 466.9 | 46.3 | 15.6 | 126.5 | 119.9 |
| SMDH 00205 | 4 | 5 | EXP 524242 | 40 | 0 | 38.8 | 26.8 | 36.1 | 24.1 | 2.7 | | 7.2 | 5.5 |
| SMDH 00206 | 0 | 1 | EXP 524264 | 40 | 7 | 425.2 | 397.2 | 385.2 | 357.2 | 40 | 11.4 | 105.8 | 96.2 |

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| BHID | FROM | TO | SID | Recov% | CRCT_cps | TREO+Y+Sc_ppm | TREO+Y_ppm | LREO+Sc_ppm | LREO_ppm | HREO+Y_ppm | HREO_ppm | CREO_ppm | MagREO_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMDH 00207 | 10 | 10.5 | EXP 524295 | 40 | 3 | 197.9 | 182.9 | 187.3 | 172.3 | 10.6 | 2.7 | 42.9 | 42.1 |
| SMDH 00211 | 0 | 1 | EXP 524374 | 20 | 21 | 687 | 659 | 617.8 | 589.8 | 69.2 | 19.4 | 168 | 148 |
| SMDH 00213b | 0 | 1 | EXP 524430 | 50 | 11 | 651.7 | 613.7 | 578.3 | 540.3 | 73.4 | 22 | 164.5 | 139.8 |
| SMDH 00213b | 10 | 11 | EXP 524440 | 20 | 5 | 521.7 | 496.7 | 464.8 | 439.8 | 56.9 | 16.1 | 137 | 118 |
| SMDH 00216 | 4 | 5 | EXP 524479 | 40 | 1 | 349 | 312 | 320.9 | 283.9 | 28.1 | 8.4 | 78.2 | 72.6 |
| SMDH 00216b | 0 | 1 | EXP 524489 | 30 | 4 | 372.8 | 347.8 | 344.5 | 319.5 | 28.3 | 8.5 | 85.9 | 81 |
| SMDH 00217 | 0 | 1 | EXP 524504 | 25 | 3 | 331.4 | 310.4 | 305.3 | 284.3 | 26.1 | 7.9 | 78.2 | 73 |
| SMDH 00217 | 2 | 3 | EXP 524506 | 20 | 0 | 444.1 | 413.1 | 400.4 | 369.4 | 43.7 | 12.2 | 104.3 | 90.8 |
| SMDH 00217b | 3 | 4 | EXP 524516 | 25 | 2 | 219.3 | 204.3 | 203 | 188 | 16.3 | 3.7 | 51.7 | 47.5 |
| SMDH 00218 | 6 | 7 | EXP 524527 | 90 | 4 | 513.9 | 488.9 | 453.4 | 428.4 | 60.5 | 18.5 | 127.6 | 106.7 |
| SMDH 00218b | 0 | 1 | EXP 524539 | 30 | 4 | 187.3 | 170.3 | 170.6 | 153.6 | 16.7 | 3.9 | 44.4 | 38.5 |
| SMDH 00219 | 0 | 1 | EXP 524548 | 40 | 9 | 331.9 | 317.9 | 309.7 | 295.7 | 22.2 | 5.4 | 75.2 | 70.9 |
| SMDH 00220 | 1 | 2 | EXP 524566 | 45 | 4 | 217.9 | 145.9 | 165.8 | 93.8 | 52.1 | 14.5 | 68.6 | 33.3 |
| SMDH 00220 | 2 | 3 | EXP 524567 | 90 | 0 | 242.9 | 133.9 | 192.1 | 83.1 | 50.8 | 13.8 | 64.3 | 30.1 |
| SMDH 00015 | 0 | 1 | EXP 524633 | 25 | 8 | 404.1 | 384.1 | 367.8 | 347.8 | 36.3 | 10 | 96.5 | 88 |
| SMDH 00014 | 1 | 2 | EXP 524669 | 80 | 8 | 325.4 | 307.4 | 308 | 290 | 17.4 | 5.2 | 70 | 72.5 |
| SMDH 00033b | 1 | 2 | EXP 524697 | 30 | 4 | 245 | 230 | 231.3 | 216.3 | 13.7 | 3.8 | 51.8 | 51.8 |
| SMDH 00032 | 4 | 5 | EXP 524731 | 95 | 7 | 296.7 | 287.7 | 281.3 | 272.3 | 15.4 | 4 | 65.4 | 66.3 |
| SMDH 00029b | 2 | 3 | EXP 524784 | 50 | 5 | 335.9 | 318.9 | 308.6 | 291.6 | 27.3 | 8 | 79 | 74.8 |
| SMDH 00029b | 3 | 4 | EXP 524785 | 40 | 5 | 548.1 | 530.1 | 507.6 | 489.6 | 40.5 | 12.4 | 129 | 126.9 |
| SMDH 00028b | 0 | 1 | EXP 524795 | 30 | 14 | 526.8 | 509.8 | 477 | 460 | 49.8 | 15 | 127.3 | 116.3 |
| SMDH 00028b | 8 | 8.5 | EXP 524803 | 20 | 4 | 121.7 | 106.7 | 90.1 | 75.1 | 31.6 | 8.5 | 44.1 | 23.4 |
| SMDH 00027b | 1 | 2 | EXP 524812 | 20 | 1 | 347.7 | 330.7 | 310.8 | 293.8 | 36.9 | 10.2 | 88.5 | 76.2 |
| SMDH 00029 | 0 | 1 | EXP 524817 | 20 | 4 | 636.8 | 622.8 | 543.2 | 529.2 | 93.6 | 18.7 | 188.3 | 140.9 |
| SMDH 00026b | 11 | 11.5 | EXP 524849 | 50 | 9 | 476.1 | 456.1 | 423 | 403 | 53.1 | 11.2 | 123.2 | 102.2 |
| SMDH 00023b | 1 | 2 | EXP 524907 | 35 | 0 | 454.6 | 436.6 | 414.8 | 396.8 | 39.8 | 8.3 | 113.4 | 103.1 |
| SMDH 00023b | 6 | 7 | EXP 524912 | 80 | 3 | 577 | 557 | 540.4 | 520.4 | 36.6 | 7.3 | 139.8 | 137.7 |
| SMDH 00022b | 0 | 1 | EXP 524931 | 20 | 5 | 812.6 | 795.6 | 739.5 | 722.5 | 73.1 | 15.2 | 204.5 | 185.8 |
| SMDH 00022 | 0 | 1 | EXP 524941 | 15 | 3 | 758.3 | 727.3 | 658.7 | 627.7 | 99.6 | 20.7 | 209.4 | 162.9 |
| SMDH 00022 | 1 | 2 | EXP 524942 | 25 | 3 | 709.6 | 669.6 | 608.6 | 568.6 | 101 | 21 | 194.4 | 143.3 |
| SMDH 00021 | 0 | 1 | EXP 524958 | 20 | 2 | 551.8 | 526.8 | 490.8 | 465.8 | 61 | 12.9 | 139.1 | 114 |
| SMDH 00020 | 3 | 4 | EXP 524975 | 20 | 0 | 88.6 | 83.6 | 82.8 | 77.8 | 5.8 | 0.7 | 21.1 | 17.7 |
| SMDH 00019b | 0 | 1 | EXP 524980 | 5 | 0 | 543 | 534 | 509.1 | 500.1 | 33.9 | 10 | 109.7 | 108.6 |
| SMDH 00019b | 10 | 11 | EXP 524990 | 98 | 0 | 245.1 | 207.1 | 223.5 | 185.5 | 21.6 | 5.6 | 52.8 | 45.9 |
| SMDH 00019 | 0 | 1 | EXP 524994 | 30 | 9 | 499.9 | 488.9 | 460.4 | 449.4 | 39.5 | 11.8 | 109.4 | 102.5 |
| SMDH 00227 | 0 | 1 | EXP 525078 | 10 | 17 | 731.5 | 725.5 | 679.7 | 673.7 | 51.8 | 15.4 | 174.2 | 173.1 |
| SMDH 00228 | 0 | 1 | EXP 525088 | 18 | 12 | 1031.6 | 1011.6 | 953.8 | 933.8 | 77.8 | 24.7 | 247.4 | 239.3 |
| SMDH 00235 | 8 | 8.5 | EXP 525196 | 50 | 4 | 279.7 | 241.7 | 216.5 | 178.5 | 63.2 | 21.5 | 79.9 | 46.7 |
| SMDH 00252 | 5 | 6 | EXP 525255 | 20 | 3 | 167.1 | 161.1 | 145.4 | 139.4 | 21.7 | 5.1 | 47.4 | 36 |
| SMDH 00250 | 0 | 1 | EXP 525271 | 20 | 9 | 389.8 | 378.8 | 335.9 | 324.9 | 53.9 | 15.9 | 105.9 | 83.9 |
| SMDH 00248 | 2 | 3 | EXP 525290 | 25 | 15 | 642.1 | 619.1 | 555.7 | 532.7 | 86.4 | 25.4 | 168.4 | 134.3 |
| SMDH 00244 | 1 | 2 | EXP 525337 | 25 | 16 | 720.7 | 685.7 | 632.3 | 597.3 | 88.4 | 26.2 | 182.8 | 152.1 |
| SMDH 00243 | 4 | 5 | EXP 525354 | 15 | 20 | 943.6 | 895.6 | 851.1 | 803.1 | 92.5 | 28 | 232.1 | 210.5 |
| SMDH 00241 | 0 | 1 | EXP 525365 | 25 | 25 | 937.1 | 920.1 | 862 | 845 | 75.1 | 22.9 | 217.2 | 210.6 |
| SMDH 00256 | 3 | 4 | EXP 525400 | 20 | 5 | 570.1 | 538.1 | 521.5 | 489.5 | 48.6 | 15.1 | 137.2 | 129.2 |
| SMDH 00257 | 0 | 1 | EXP 525410 | 15 | 14 | 691.6 | 673.6 | 631.4 | 613.4 | 60.2 | 18.2 | 167.5 | 158.2 |
| SMDH 00257 | 1 | 2 | EXP 525411 | 20 | 18 | 1000.3 | 969.3 | 914.2 | 883.2 | 86.1 | 26.7 | 239.5 | 228.7 |
| SMDH 00257 | 3 | 4 | EXP 525413 | 20 | 4 | 79.6 | 71.6 | 74.8 | 66.8 | 4.8 | 0.6 | 18.8 | 16.2 |
| SMDH 00260 | 0 | 1 | EXP 525443 | 15 | 19 | 552.5 | 532.5 | 508 | 488 | 44.5 | 12 | 135.4 | 126.8 |
| SMDH 00264 | 11 | 11.5 | EXP 525493 | 50 | 6 | 352.5 | 341.5 | 323.4 | 312.4 | 29.1 | 7.6 | 84.5 | 78.7 |
| SMDH 00265 | 1 | 2 | EXP 525495 | 15 | 6 | 386.4 | 352.4 | 344.1 | 310.1 | 42.3 | 10.8 | 98.6 | 83.3 |

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| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MEAN | 25 | 36.2 | 94.2 | 207.4 | 23.3 | 79.6 | 14.4 | 1.7 | 8.9 | 1.2 |
| | | | | | MAX | 109 | 91.4 | 235.1 | 502.3 | 58.6 | 195.4 | 35 | 3.7 | 20.6 | 2.6 |
| | | | | | MIN | 5 | 2.7 | 6.9 | 9.8 | 1 | 4.5 | 1.2 | 0.9 | 0.7 | 0.6 |
| BHID | FROM | TO | SID | Recov% | CRCT_cps | $Sc_2O_3$_ppm | $Y_2O_3$_ppm | $La_2O_3$_ppm | $CeO_2$_ppm | $Pr_6O_{11}$_ppm | $Nd_2O_3$_ppm | $Sm_2O_3$_ppm | $Eu_2O_3$_ppm | $Gd_2O_3$_ppm | $Tb_4O_7$_ppm |
| SMDH 00013 | 0 | 1 | EXP 524000 | 25 | 3 | | | | | | | | | | |
| SMDH 00013 | 3 | 4 | EXP 524003 | 70 | 2 | 38 | 19.8 | 96.1 | 199.1 | 21.9 | 72.6 | 13.5 | 1.9 | 8.2 | 1.1 |
| SMDH 00013 | 9 | 10 | EXP 524009 | 70 | 0 | 46 | 36.4 | 164.8 | 354.3 | 38.7 | 130.2 | 23.5 | 1.9 | 14.6 | 1.9 |
| SMDH 00012b | 0 | 1 | EXP 524011 | 40 | 7 | 17 | 40.6 | 122.8 | 266.9 | 29.8 | 99.4 | 19 | 1.7 | 11.4 | 1.4 |
| SMDH 00012b | 1 | 2 | EXP 524012 | 50 | 17 | 23 | 46.6 | 149.1 | 322 | 35.3 | 127 | 22.6 | 2.1 | 13.6 | 1.8 |
| SMDH 00012b | 4 | 5 | EXP 524015 | 70 | 0 | 26 | 25.5 | 90.7 | 190.6 | 21.6 | 73.8 | 14.8 | 2.3 | 9.1 | 1.1 |
| SMDH 00012b | 5 | 6 | EXP 524016 | 70 | 0 | 28 | 29.7 | 84.8 | 185.9 | 21.6 | 73.2 | 14.1 | 1.7 | 8.9 | 1.2 |
| SMDH 00012b | 6 | 7 | EXP 524017 | 80 | 9 | 20 | 23.7 | 72 | 157 | 18.1 | 60.3 | 11.9 | 1.4 | 7.5 | 0.9 |
| SMDH 00012b | 8 | 9 | EXP 524019 | 80 | 3 | 31 | 30.7 | 105 | 229.5 | 27.1 | 89.2 | 19 | 2.1 | 12.1 | 1.4 |
| SMDH 00012b | 9 | 10 | EXP 524020 | 90 | 3 | 20 | 36.6 | 66.1 | 152.4 | 17.2 | 59 | 11.9 | 1.6 | 8 | 0.9 |
| SMDH 00012b | 10 | 11 | EXP 524021 | 80 | 4 | 21 | 27.7 | 74.4 | 165.5 | 19.3 | 65.7 | 13.1 | 1.7 | 8.5 | 0.9 |
| SMDH 00012b | 11 | 12 | EXP 524022 | 75 | 5 | 28 | 33.1 | 72.8 | 165.1 | 18.4 | 61.9 | 12.5 | 1.4 | 8.3 | 0.9 |
| SMDH 00012b | 13 | 14 | EXP 524024 | 80 | 2 | 23 | 34.7 | 90.1 | 198.6 | 22.4 | 75.9 | 14.8 | 1.7 | 9.6 | 1.1 |
| SMDH 00012 | 0 | 1 | EXP 524025 | 45 | 6 | 15 | 57.1 | 131.6 | 292 | 32.9 | 110.9 | 19.9 | 1.4 | 13.4 | 1.5 |
| SMDH 00012 | 1 | 2 | EXP 524026 | 60 | 2 | 26 | 37.1 | 85.1 | 198.1 | 21 | 68.9 | 12.3 | 1.5 | 7.5 | 0.8 |
| SMDH 00012 | 2 | 3 | EXP 524027 | 65 | 2 | 18 | 16.9 | 46.3 | 93.4 | 11.1 | 40.7 | 7 | 1 | 4.3 | |
| SMDH 00012 | 3 | 4 | EXP 524028 | 70 | 2 | 20 | 37.2 | 75.1 | 166.2 | 18 | 63.1 | 11.6 | 1.2 | 7.1 | 0.9 |
| SMDH 00012 | 4 | 5 | EXP 524029 | 75 | 6 | 28 | 23.5 | 101.3 | 225.5 | 23.7 | 81.6 | 13.7 | 1.5 | 7.7 | 0.8 |
| SMDH 00011b | 2 | 3 | EXP 524037 | 85 | 4 | 26 | 24.3 | 93.5 | 205.6 | 23.8 | 81.9 | 13.7 | 1.2 | 7.4 | 0.8 |
| SMDH 00011b | 4 | 5 | EXP 524039 | 90 | 13 | 23 | 8.1 | 31.9 | 67.6 | 10.6 | 35.9 | 4.1 | 1.5 | 2.4 | |
| SMDH 00011b | 7 | 8 | EXP 524042 | 60 | 5 | 8 | 18.3 | 61.7 | 134.6 | 14.9 | 50.7 | 9.6 | 1.3 | 6.1 | 0.7 |
| SMDH 00011 | 1 | 2 | EXP 524044 | 60 | 5 | 23 | 33.4 | 96.3 | 207.4 | 22.1 | 74.2 | 13.2 | 1.7 | 7.8 | 1.1 |
| SMDH 00010b | 1 | 2 | EXP 524049 | 50 | 2 | 51 | 91.4 | 95.1 | 210.5 | 23.3 | 83.2 | 14.6 | 1.9 | 10 | 1.5 |
| SMDH 00010b | 4 | 5 | EXP 524052 | 85 | 9 | 26 | 25.4 | 88.4 | 192.6 | 21 | 72.6 | 12.4 | 1.6 | 7.6 | 0.8 |
| SMDH 00010 | 0 | 1 | EXP 524055 | 50 | 6 | 21 | 67.8 | 207.5 | 485.2 | 52.8 | 181 | 35 | 1.6 | 20.6 | 2.4 |
| SMDH 00010 | 1 | 2 | EXP 524056 | 55 | 0 | 25 | 20.4 | 61 | 130.6 | 15.6 | 54.1 | 10.6 | 1 | 6.2 | 0.7 |
| SMDH 00010 | 2 | 3 | EXP 524057 | 60 | 5 | 14 | 28.2 | 92.1 | 197.4 | 23.7 | 82.3 | 15.9 | 1.5 | 9.2 | 1.1 |
| SMDH 00009b | 0 | 1 | EXP 524063 | 55 | 12 | 32 | 66 | 235.1 | 502.3 | 58.6 | 195.4 | 34.7 | 2 | 20.6 | 2.6 |
| SMDH 00009b | 1 | 2 | EXP 524064 | 60 | 7 | 29 | 33.3 | 185.4 | 378.8 | 43.7 | 150.2 | 24.4 | 2.1 | 13.9 | 1.6 |
| SMDH 00009b | 7 | 8 | EXP 524070 | 75 | 11 | 25 | 37.3 | 140.1 | 287.1 | 32.5 | 113.7 | 19.9 | 2.4 | 12 | 1.4 |
| SMDH 00009 | 0 | 1 | EXP 524071 | 45 | 3 | 20 | 43.2 | 101.3 | 218.7 | 24.9 | 86.3 | 15 | 1.4 | 9.5 | 1.3 |
| SMDH 00008b | 0 | 1 | EXP 524084 | 50 | 12 | 23 | 33.8 | 90.1 | 189.4 | 22.5 | 77.3 | 13.5 | 1.3 | 8.4 | 1.1 |
| SMDH 00008 | 1 | 2 | EXP 524096 | 65 | 13 | 41 | 41.5 | 86.1 | 177 | 20.5 | 68 | 12.1 | 1.3 | 7.7 | 0.9 |
| SMDH 00007b | 0 | 1 | EXP 524102 | 45 | 19 | 26 | 72.8 | 142.6 | 318.8 | 35.5 | 119.2 | 21.6 | 1.7 | 13.8 | 1.6 |
| SMDH 00007b | 1 | 2 | EXP 524103 | 5 | 3 | 32 | 61.7 | 72.7 | 163.3 | 17.9 | 64.4 | 11.4 | 2 | 7.5 | 1.1 |
| SMDH 00007 | 1 | 2 | EXP 524110 | 50 | 4 | 28 | 37.7 | 67.2 | 143.2 | 16.6 | 56.1 | 10.2 | 2 | 6.3 | 0.8 |
| SMDH 00007 | 2 | 3 | EXP 524111 | 70 | 7 | 23 | 40.4 | 81.2 | 176.3 | 20.5 | 72.1 | 12.2 | 1.9 | 7.4 | 0.8 |
| SMDH 00006b | 1 | 2 | EXP 524121 | 55 | 27 | 26 | 91.3 | 141.8 | 303.8 | 36.1 | 118.7 | 20.8 | 3.7 | 13.1 | 1.9 |
| SMDH 00006b | 4 | 5 | EXP 524124 | 75 | 17 | 23 | 49.1 | 91.6 | 206.2 | 22.7 | 78.6 | 12.6 | 1.4 | 8.4 | 0.9 |
| SMDH 00006b | 8 | 9 | EXP 524128 | 70 | 19 | 28 | 83.9 | 151.5 | 334.7 | 37.7 | 137.1 | 21.5 | 3 | 13.6 | 1.5 |
| SMDH 00006b | 11 | 11.5 | EXP 524131 | 45 | 13 | 55 | 84.4 | 161.1 | 359.8 | 40.6 | 139.6 | 23.2 | 2.8 | 13.7 | 1.6 |
| SMDH 00005b | 0 | 1 | EXP 524142 | 20 | 20 | 11 | 35.3 | 111.4 | 338.3 | 29.8 | 95.4 | 17.7 | 1.2 | 11.8 | 1.3 |
| SMDH 00005b | 1 | 2 | EXP 524143 | 25 | 24 | 32 | 25.5 | 106.5 | 253.4 | 27.5 | 91.3 | 16 | 1.6 | 10.3 | 1.2 |
| SMDH 00005 | 1 | 2 | EXP 524149 | 40 | 0 | 37 | 18.5 | 84.6 | 184.1 | 20.1 | 66.5 | 11.5 | 1.5 | 7.5 | 0.7 |
| SMDH 00002b | 7 | 7.5 | EXP 524199 | 50 | 0 | 15 | 7 | 33.1 | 66.8 | 8.1 | 27.2 | 4.5 | 1.5 | 2.5 | |
| SMDH 00001 | 0 | 1 | EXP 524224 | 40 | 13 | 37 | 27.2 | 85.3 | 171.9 | 19.7 | 69.5 | 13.5 | 1.2 | 8.2 | 0.9 |
| SMDH 00205 | 0 | 1 | EXP 524238 | 45 | 18 | 21 | 30.7 | 99.3 | 226.3 | 25.6 | 87.1 | 17 | 1.5 | 10.1 | 1.2 |
| SMDH 00205 | 4 | 5 | EXP 524242 | 40 | 0 | 12 | 2.7 | 6.9 | 9.8 | 1 | 4.5 | 1.2 | | 0.7 | |
| SMDH 00206 | 0 | 1 | EXP 524264 | 40 | 7 | 28 | 28.6 | 76.8 | 167.9 | 20.2 | 70.2 | 13.2 | 1.2 | 7.7 | 0.9 |

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| BHID | FROM | TO | SID | Recov% | CRCT_cps | $Sc_2O_3$_ppm | $Y_2O_3$_ppm | $La_2O_3$_ppm | $CeO_2$_ppm | $Pr_6O_{11}$_ppm | $Nd_2O_3$_ppm | $Sm_2O_3$_ppm | $Eu_2O_3$_ppm | $Gd_2O_3$_ppm | $Tb_4O_7$_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMDH 00207 | 10 | 10.5 | EXP 524295 | 40 | 3 | 15 | 7.9 | 37.5 | 83.4 | 9.1 | 31.6 | 5.6 | 2 | 3.1 | |
| SMDH 00211 | 0 | 1 | EXP 524374 | 20 | 21 | 28 | 49.8 | 128.2 | 291.9 | 31.2 | 107.3 | 18.4 | 1.4 | 11.4 | 1.5 |
| SMDH 00213b | 0 | 1 | EXP 524430 | 50 | 11 | 38 | 51.4 | 113.2 | 267.4 | 28.3 | 101.2 | 17.2 | 1.6 | 11.4 | 1.5 |
| SMDH 00213b | 10 | 11 | EXP 524440 | 20 | 5 | 25 | 40.8 | 93.4 | 211.3 | 23.7 | 86.4 | 14.5 | 1.9 | 8.6 | 1.2 |
| SMDH 00216 | 4 | 5 | EXP 524479 | 40 | 1 | 37 | 19.7 | 62.6 | 136.6 | 15.1 | 52.6 | 9.5 | 1 | 6.5 | 0.8 |
| SMDH 00216b | 0 | 1 | EXP 524489 | 30 | 4 | 25 | 19.8 | 69.1 | 155.3 | 16.3 | 60.1 | 11 | 1.4 | 6.3 | 0.8 |
| SMDH 00217 | 0 | 1 | EXP 524504 | 25 | 3 | 21 | 18.2 | 62.6 | 136.5 | 14.7 | 54 | 9.3 | 1.7 | 5.5 | 0.7 |
| SMDH 00217 | 2 | 3 | EXP 524506 | 20 | 0 | 31 | 31.5 | 81.4 | 182 | 19.6 | 64.5 | 12.5 | 1.6 | 7.8 | 1.1 |
| SMDH 00217b | 3 | 4 | EXP 524516 | 25 | 2 | 15 | 12.6 | 40.3 | 91.3 | 10 | 34.5 | 6.4 | 1.6 | 3.9 | 0.6 |
| SMDH 00218 | 6 | 7 | EXP 524527 | 90 | 4 | 25 | 42 | 96.8 | 208.6 | 22.5 | 75.9 | 13.7 | 1.4 | 9.5 | 1.3 |
| SMDH 00218b | 0 | 1 | EXP 524539 | 30 | 4 | 17 | 12.8 | 34.6 | 71.9 | 8.5 | 27.8 | 5.7 | 1.6 | 3.5 | |
| SMDH 00219 | 0 | 1 | EXP 524548 | 40 | 9 | 14 | 16.8 | 65.4 | 145 | 14.6 | 52.6 | 10.1 | 2.1 | 5.9 | 0.7 |
| SMDH 00220 | 1 | 2 | EXP 524566 | 45 | 4 | 72 | 37.6 | 15 | 38.8 | 5.1 | 21.1 | 5.8 | 2.8 | 5.2 | 0.9 |
| SMDH 00220 | 2 | 3 | EXP 524567 | 90 | 0 | 109 | 37 | 13.5 | 33.8 | 4.5 | 18.9 | 5.6 | 1.7 | 5.1 | 0.8 |
| SMDH 00015 | 0 | 1 | EXP 524633 | 25 | 8 | 20 | 26.3 | 75.6 | 169.2 | 19.1 | 63.7 | 11.4 | 1.3 | 7.5 | 0.8 |
| SMDH 00014 | 1 | 2 | EXP 524669 | 80 | 8 | 18 | 12.2 | 67.2 | 136.6 | 16.1 | 53.1 | 9.5 | 1.4 | 6.1 | 0.7 |
| SMDH 00033b | 1 | 2 | EXP 524697 | 30 | 4 | 15 | 9.9 | 50.9 | 103.7 | 11.5 | 38.5 | 6.4 | 1.6 | 3.7 | |
| SMDH 00032 | 4 | 5 | EXP 524731 | 95 | 7 | 9 | 11.4 | 64.7 | 128.6 | 14.6 | 48.6 | 8.3 | 2.3 | 5.2 | 0.6 |
| SMDH 00029b | 2 | 3 | EXP 524784 | 50 | 5 | 17 | 19.3 | 65.7 | 137.5 | 16.1 | 53.9 | 10.8 | 1 | 6.6 | 0.8 |
| SMDH 00029b | 3 | 4 | EXP 524785 | 40 | 5 | 18 | 28.1 | 108.8 | 230.7 | 27.3 | 92.6 | 18.2 | 1.3 | 10.7 | 1.3 |
| SMDH 00028b | 0 | 1 | EXP 524795 | 30 | 14 | 17 | 34.8 | 104.7 | 218.8 | 25.3 | 83.2 | 16.1 | 1.5 | 10.4 | 1.3 |
| SMDH 00028b | 8 | 8.5 | EXP 524803 | 20 | 4 | 15 | 23.1 | 15.1 | 32.7 | 4.1 | 14.8 | 3.8 | 1.7 | 2.9 | 0.6 |
| SMDH 00027b | 1 | 2 | EXP 524812 | 20 | 1 | 17 | 26.7 | 65.9 | 139.1 | 16.7 | 54.1 | 9.5 | 2.3 | 6.2 | 0.8 |
| SMDH 00029 | 0 | 1 | EXP 524817 | 20 | 4 | 14 | 74.9 | 116.5 | 249.9 | 29.2 | 102.1 | 18.4 | 1.7 | 11.4 | 1.5 |
| SMDH 00026b | 11 | 11.5 | EXP 524849 | 50 | 9 | 20 | 41.9 | 90.9 | 191.6 | 22.1 | 74.2 | 14 | 1.2 | 9 | 1.1 |
| SMDH 00023b | 1 | 2 | EXP 524907 | 35 | 0 | 18 | 31.5 | 88.9 | 187.7 | 22.4 | 76 | 12.8 | 1.2 | 7.8 | 0.9 |
| SMDH 00023b | 6 | 7 | EXP 524912 | 80 | 3 | 20 | 29.3 | 120 | 239.9 | 28.8 | 103.6 | 16.8 | 1.6 | 9.7 | 1.1 |
| SMDH 00022b | 0 | 1 | EXP 524931 | 20 | 5 | 17 | 57.9 | 154.1 | 353.9 | 40.1 | 137.5 | 23.1 | 0.9 | 12.9 | 1.5 |
| SMDH 00022 | 0 | 1 | EXP 524941 | 15 | 3 | 31 | 78.9 | 134.3 | 306.9 | 33.8 | 119.3 | 19.9 | 1.4 | 12.1 | 1.5 |
| SMDH 00022 | 1 | 2 | EXP 524942 | 25 | 3 | 40 | 80 | 121.9 | 282.2 | 30.2 | 104 | 18.2 | 1.3 | 10.8 | 1.4 |
| SMDH 00021 | 0 | 1 | EXP 524958 | 20 | 2 | 25 | 48.1 | 96.9 | 236.8 | 24.2 | 83.2 | 14.6 | 1.2 | 8.9 | 1.2 |
| SMDH 00020 | 3 | 4 | EXP 524975 | 20 | 0 | 5 | 5.1 | 19.2 | 35.7 | 3.9 | 13.1 | 2.3 | 2.2 | 1.4 | |
| SMDH 00019b | 0 | 1 | EXP 524980 | 5 | 0 | 9 | 23.9 | 90.3 | 282.5 | 23.7 | 79.5 | 14.6 | 0.9 | 8.6 | 0.9 |
| SMDH 00019b | 10 | 11 | EXP 524990 | 98 | 0 | 38 | 16 | 42.1 | 88.7 | 10.3 | 33.1 | 6.1 | 1.2 | 4 | |
| SMDH 00019 | 0 | 1 | EXP 524994 | 30 | 9 | 11 | 27.7 | 80.6 | 247.6 | 22.1 | 73.9 | 14.7 | 1.3 | 9.2 | 1.3 |
| SMDH 00227 | 0 | 1 | EXP 525078 | 10 | 17 | 6 | 36.4 | 147.5 | 325.5 | 37 | 127.4 | 21.6 | 1.7 | 13 | 1.5 |
| SMDH 00228 | 0 | 1 | EXP 525088 | 18 | 12 | 20 | 53.1 | 232.4 | 428.1 | 47.5 | 180.8 | 27.3 | 2.5 | 15.2 | 1.8 |
| SMDH 00235 | 8 | 8.5 | EXP 525196 | 50 | 4 | 38 | 41.7 | 41.2 | 84.8 | 9.7 | 31.5 | 6.1 | 1.2 | 4 | 0.7 |
| SMDH 00252 | 5 | 6 | EXP 525255 | 20 | 3 | 6 | 16.6 | 33.2 | 62.3 | 7.4 | 25.1 | 5.5 | 2.2 | 3.7 | 0.6 |
| SMDH 00250 | 0 | 1 | EXP 525271 | 20 | 9 | 11 | 38 | 74.4 | 152.1 | 17.5 | 59.4 | 12.2 | 1.5 | 7.8 | 1.1 |
| SMDH 00248 | 2 | 3 | EXP 525290 | 25 | 15 | 23 | 61 | 119.6 | 257.6 | 28.9 | 94.7 | 18.1 | 2 | 11.8 | 1.5 |
| SMDH 00244 | 1 | 2 | EXP 525337 | 25 | 16 | 35 | 62.2 | 128.7 | 290.9 | 33.7 | 106.4 | 21.3 | 2.2 | 14.1 | 1.9 |
| SMDH 00243 | 4 | 5 | EXP 525354 | 15 | 20 | 48 | 64.5 | 172.6 | 389.4 | 44.8 | 153.8 | 25.6 | 1.9 | 15 | 1.8 |
| SMDH 00241 | 0 | 1 | EXP 525365 | 25 | 25 | 17 | 52.2 | 183.1 | 415.3 | 47.2 | 151.4 | 28.8 | 1.6 | 17.6 | 2.1 |
| SMDH 00256 | 3 | 4 | EXP 525400 | 20 | 5 | 32 | 33.5 | 102.4 | 231.7 | 26.8 | 94.7 | 20.2 | 1.3 | 12.4 | 1.3 |
| SMDH 00257 | 0 | 1 | EXP 525410 | 15 | 14 | 18 | 42 | 134.8 | 294.6 | 34.2 | 114.8 | 20.8 | 1.5 | 12.7 | 1.5 |
| SMDH 00257 | 1 | 2 | EXP 525411 | 20 | 18 | 31 | 59.4 | 193.9 | 421.2 | 50.7 | 165 | 31.9 | 2.1 | 18.4 | 2.2 |
| SMDH 00257 | 3 | 4 | EXP 525413 | 20 | 4 | 8 | 4.2 | 16.5 | 29.5 | 3.5 | 12.1 | 2.1 | 1.9 | 1.2 | |
| SMDH 00260 | 0 | 1 | EXP 525443 | 15 | 19 | 20 | 32.5 | 108.5 | 233.2 | 25.5 | 94.2 | 15.5 | 1.6 | 9.5 | 1.2 |
| SMDH 00264 | 11 | 11.5 | EXP 525493 | 50 | 6 | 11 | 21.5 | 70.5 | 148 | 17.4 | 56.7 | 11.4 | 1.7 | 6.7 | 0.8 |
| SMDH 00265 | 1 | 2 | EXP 525495 | 15 | 6 | 34 | 31.5 | 69.5 | 144.8 | 17.6 | 60.1 | 10.1 | 1.4 | 6.6 | 0.9 |

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MEAN | 5.6 | 1.2 | 2.5 | 0.7 | 2.9 | 0.7 | 39.5 | 3.8 | 21.6 | 16.3 |
| | | | | | MAX | 13.1 | 2.5 | 6.7 | 1.1 | 15 | 1 | 107.5 | 9.7 | 54.1 | 71 |
| | | | | | MIN | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 1.1 | 0.6 | 8.6 | 3 |
| BHID | FROM | TO | SID | Recov% | CRCT_cps | $Dy_2O_3$_ppm | $Ho_2O_3$_ppm | $Er_2O_3$_ppm | $Tm_2O_3$_ppm | $Yb_2O_3$_ppm | $Lu_2O_3$_ppm | $ThO_2$_ppm | $U_3O_8$_ppm | $Nb_2O_5$_ppm | Sc_ppm |
| SMDH 00013 | 0 | 1 | EXP 524000 | 25 | 3 | | | | | | | | | | |
| SMDH 00013 | 3 | 4 | EXP 524003 | 70 | 2 | 4.6 | 0.7 | 1.4 | | | | 39.5 | 5.8 | 54.1 | 25 |
| SMDH 00013 | 9 | 10 | EXP 524009 | 70 | 0 | 8.6 | 1.1 | 2.3 | | 2 | | 63.7 | 8.3 | 50.4 | 30 |
| SMDH 00012b | 0 | 1 | EXP 524011 | 40 | 7 | 7 | 1.3 | 3.1 | | 3.1 | 0.6 | 53.1 | 9.2 | 28.6 | 11 |
| SMDH 00012b | 1 | 2 | EXP 524012 | 50 | 17 | 8.5 | 1.5 | 3.7 | 0.6 | 3.5 | 0.6 | 62.1 | 9.7 | 31 | 15 |
| SMDH 00012b | 4 | 5 | EXP 524015 | 70 | 0 | 4.7 | 0.8 | 1.8 | | 0.9 | | 37 | 7.1 | 42.6 | 17 |
| SMDH 00012b | 5 | 6 | EXP 524016 | 70 | 0 | 5.5 | 1 | 2.4 | | 2.4 | | 37.2 | 5.9 | 33.3 | 18 |
| SMDH 00012b | 6 | 7 | EXP 524017 | 80 | 9 | 4.1 | 0.8 | 1.9 | | 2.2 | | 33.3 | 3.9 | 27.2 | 13 |
| SMDH 00012b | 8 | 9 | EXP 524019 | 80 | 3 | 6.2 | 1 | 2.4 | | 1.5 | | 44.7 | 4.8 | 40.9 | 20 |
| SMDH 00012b | 9 | 10 | EXP 524020 | 90 | 3 | 4.2 | 0.8 | 1.7 | | 1.7 | | 27 | 2.7 | 24.7 | 13 |
| SMDH 00012b | 10 | 11 | EXP 524021 | 80 | 4 | 3.8 | 0.7 | 1.3 | | 1.5 | | 31.5 | 2.7 | 24.7 | 14 |
| SMDH 00012b | 11 | 12 | EXP 524022 | 75 | 5 | 4.2 | 0.7 | 1.6 | | 1.1 | | 31.6 | 3.9 | 25.6 | 18 |
| SMDH 00012b | 13 | 14 | EXP 524024 | 80 | 2 | 4.5 | 0.8 | 1.7 | | 1.5 | | 35.7 | 3.1 | 24 | 15 |
| SMDH 00012 | 0 | 1 | EXP 524025 | 45 | 6 | 6.9 | 1.3 | 2.7 | | 2.2 | | 54.2 | 5.2 | 22.3 | 10 |
| SMDH 00012 | 1 | 2 | EXP 524026 | 60 | 2 | 4 | 0.8 | 1.7 | | 1.7 | | 36 | 2.9 | 19.5 | 17 |
| SMDH 00012 | 2 | 3 | EXP 524027 | 65 | 2 | 2.3 | | 0.7 | | 0.8 | | 15.6 | 1.5 | 19.7 | 12 |
| SMDH 00012 | 3 | 4 | EXP 524028 | 70 | 2 | 4.5 | 0.8 | 1.7 | | 0.8 | | 29.2 | 3.4 | 23.5 | 13 |
| SMDH 00012 | 4 | 5 | EXP 524029 | 75 | 6 | 3.6 | 0.7 | 1.7 | | 2.2 | | 40.4 | 3.5 | 19.2 | 18 |
| SMDH 00011b | 2 | 3 | EXP 524037 | 85 | 4 | 3.9 | 0.8 | 1.9 | | 3.3 | | 41.9 | 3.8 | 18.7 | 17 |
| SMDH 00011b | 4 | 5 | EXP 524039 | 90 | 13 | 1.1 | | | | | | 11.3 | 3.2 | 10 | 15 |
| SMDH 00011b | 7 | 8 | EXP 524042 | 60 | 5 | 3.3 | 0.6 | 1.1 | | 2.6 | | 24.1 | 1.8 | 22.3 | 5 |
| SMDH 00011 | 1 | 2 | EXP 524044 | 60 | 5 | 4.8 | 0.9 | 2.2 | | 2.8 | | 36.9 | 4.5 | 16.5 | 15 |
| SMDH 00010b | 1 | 2 | EXP 524049 | 50 | 2 | 10.1 | 2.5 | 6.7 | 1.1 | 15 | 1 | 37 | 5.7 | 26.2 | 33 |
| SMDH 00010b | 4 | 5 | EXP 524052 | 85 | 9 | 4 | 0.8 | 1.7 | | 4 | | 34.7 | 3.4 | 17.6 | 17 |
| SMDH 00010 | 0 | 1 | EXP 524055 | 50 | 6 | 10.8 | 1.9 | 4.3 | 0.7 | 8.8 | 0.6 | 107.5 | 6.3 | 21.6 | 14 |
| SMDH 00010 | 1 | 2 | EXP 524056 | 55 | 0 | 3.6 | 0.7 | 1.8 | | 1.7 | | 30.8 | 1.5 | 22.7 | 16 |
| SMDH 00010 | 2 | 3 | EXP 524057 | 60 | 5 | 5.3 | 0.9 | 2.3 | | 2.4 | | 47.9 | 2.1 | 28.8 | 9 |
| SMDH 00009b | 0 | 1 | EXP 524063 | 55 | 12 | 13.1 | 2.2 | 5 | 0.8 | 4.3 | 0.7 | 99.6 | 6.4 | 21.2 | 21 |
| SMDH 00009b | 1 | 2 | EXP 524064 | 60 | 7 | 7.8 | 1.3 | 2.4 | | 1 | | 70.4 | 3.2 | 21.3 | 19 |
| SMDH 00009b | 7 | 8 | EXP 524070 | 75 | 11 | 7.1 | 1.3 | 3 | | 2.5 | | 58.4 | 3.3 | 23.9 | 16 |
| SMDH 00009 | 0 | 1 | EXP 524071 | 45 | 3 | 7.1 | 1.4 | 3.7 | 0.6 | 3.4 | 0.6 | 42.2 | 3.3 | 18.9 | 13 |
| SMDH 00008b | 0 | 1 | EXP 524084 | 50 | 12 | 6.4 | 1.1 | 2.7 | 0.6 | 3 | | 37.9 | 2.4 | 17.2 | 15 |
| SMDH 00008 | 1 | 2 | EXP 524096 | 65 | 13 | 6.4 | 1.3 | 3.4 | 0.6 | 4.1 | 0.7 | 41.9 | 2.2 | 21.9 | 27 |
| SMDH 00007b | 0 | 1 | EXP 524102 | 45 | 19 | 8.3 | 1.5 | 3.5 | 0.6 | 3.8 | 0.6 | 58.8 | 4.2 | 22.5 | 17 |
| SMDH 00007b | 1 | 2 | EXP 524103 | 5 | 3 | 6 | 1.3 | 3 | 0.6 | 3 | 0.6 | 29.9 | 3.7 | 26.6 | 21 |
| SMDH 00007 | 1 | 2 | EXP 524110 | 50 | 4 | 3.7 | 0.8 | 1.6 | | 1.8 | | 25 | 2.2 | 14.4 | 18 |
| SMDH 00007 | 2 | 3 | EXP 524111 | 70 | 7 | 4.6 | 0.8 | 2.1 | | 2.3 | | 31.1 | 2.1 | 30.6 | 15 |
| SMDH 00006b | 1 | 2 | EXP 524121 | 55 | 27 | 10 | 2.1 | 4.3 | 0.7 | 4.4 | 0.7 | 45.5 | 3.7 | 24.2 | 17 |
| SMDH 00006b | 4 | 5 | EXP 524124 | 75 | 17 | 5.4 | 1 | 2.2 | | 1.8 | | 34.7 | 2 | 14.9 | 15 |
| SMDH 00006b | 8 | 9 | EXP 524128 | 70 | 19 | 9.4 | 1.8 | 3.8 | 0.6 | 3.6 | 0.6 | 57.2 | 3.5 | 22.3 | 18 |
| SMDH 00006b | 11 | 11.5 | EXP 524131 | 45 | 13 | 9.6 | 1.8 | 4.1 | 0.7 | 4 | 0.6 | 58.9 | 3.4 | 22.7 | 36 |
| SMDH 00005b | 0 | 1 | EXP 524142 | 20 | 20 | 6.7 | 1.5 | 3 | 0.6 | 3 | 0.6 | 56.1 | 3.3 | 18.6 | 7 |
| SMDH 00005b | 1 | 2 | EXP 524143 | 25 | 24 | 5 | 0.9 | 2.1 | | 2.5 | | 44.4 | 2.7 | 17.6 | 21 |
| SMDH 00005 | 1 | 2 | EXP 524149 | 40 | 0 | 3.4 | 0.7 | 1.5 | | | | 32.3 | 3.1 | 19.2 | 24 |
| SMDH 00002b | 7 | 7.5 | EXP 524199 | 50 | 0 | 1 | | 0.6 | | | | 12.2 | 2 | 12.7 | 10 |
| SMDH 00001 | 0 | 1 | EXP 524224 | 40 | 13 | 4.6 | 1 | 2.4 | | 1.7 | | 37.6 | 4.5 | 17.9 | 24 |
| SMDH 00205 | 0 | 1 | EXP 524238 | 45 | 18 | 6 | 1.1 | 2.9 | | 4.4 | | 41.5 | 3.5 | 19.9 | 14 |
| SMDH 00205 | 4 | 5 | EXP 524242 | 40 | 0 | | | | | | | 1.1 | 0.6 | 8.9 | 8 |
| SMDH 00206 | 0 | 1 | EXP 524264 | 40 | 7 | 4.9 | 1 | 2.2 | | 2.4 | | 34.7 | 2.8 | 19 | 18 |

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| BHID | FROM | TO | SID | Recov% | CRCT_cps | $Dy_2O_3$_ppm | $Ho_2O_3$_ppm | $Er_2O_3$_ppm | $Tm_2O_3$_ppm | $Yb_2O_3$_ppm | $Lu_2O_3$_ppm | $ThO_2$_ppm | $U_3O_8$_ppm | $Nb_2O_5$_ppm | Sc_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMDH 00207 | 10 | 10.5 | EXP 524295 | 40 | 3 | 1.4 | | 0.6 | | 0.7 | | 14.6 | 1.1 | 18 | 10 |
| SMDH 00211 | 0 | 1 | EXP 524374 | 20 | 21 | 8 | 1.6 | 3.5 | 0.6 | 3.6 | 0.6 | 56.2 | 4 | 21.5 | 18 |
| SMDH 00213b | 0 | 1 | EXP 524430 | 50 | 11 | 8.8 | 1.9 | 3.9 | 0.8 | 4.4 | 0.7 | 51.8 | 4.7 | 28.3 | 25 |
| SMDH 00213b | 10 | 11 | EXP 524440 | 20 | 5 | 6.7 | 1.6 | 2.9 | | 3.1 | 0.6 | 38.3 | 3.1 | 24 | 16 |
| SMDH 00216 | 4 | 5 | EXP 524479 | 40 | 1 | 4.1 | 0.7 | 1.5 | | 1.3 | | 23.6 | 2.9 | 23 | 24 |
| SMDH 00216b | 0 | 1 | EXP 524489 | 30 | 4 | 3.8 | 0.7 | 1.5 | | 1.7 | | 27.2 | 2.9 | 16.9 | 16 |
| SMDH 00217 | 0 | 1 | EXP 524504 | 25 | 3 | 3.6 | 0.7 | 1.5 | | 1.4 | | 20.5 | 2.4 | 22.6 | 14 |
| SMDH 00217 | 2 | 3 | EXP 524506 | 20 | 0 | 5.6 | 1.1 | 2.1 | | 2.3 | | 32.1 | 4.4 | 28.8 | 20 |
| SMDH 00217b | 3 | 4 | EXP 524516 | 25 | 2 | 2.4 | | 0.7 | | | | 23.3 | 3.3 | 9.4 | 10 |
| SMDH 00218 | 6 | 7 | EXP 524527 | 90 | 4 | 7 | 1.5 | 3.2 | 0.6 | 4.3 | 0.6 | 39.3 | 5.1 | 23.7 | 16 |
| SMDH 00218b | 0 | 1 | EXP 524539 | 30 | 4 | 2.2 | | 0.9 | | 0.8 | | 14.2 | 4.8 | 11.9 | 11 |
| SMDH 00219 | 0 | 1 | EXP 524548 | 40 | 9 | 3 | 0.7 | 1 | | | | 28.2 | 4.6 | 13.6 | 9 |
| SMDH 00220 | 1 | 2 | EXP 524566 | 45 | 4 | 6.2 | 1.4 | 3 | | 3 | | 2.8 | 2.5 | 13.6 | 47 |
| SMDH 00220 | 2 | 3 | EXP 524567 | 90 | 0 | 5.9 | 1.4 | 2.9 | | 2.8 | | 2.5 | 2.7 | 11.7 | 71 |
| SMDH 00015 | 0 | 1 | EXP 524633 | 25 | 8 | 4.4 | 0.9 | 1.9 | | 2 | | 32.1 | 4 | 10.7 | 13 |
| SMDH 00014 | 1 | 2 | EXP 524669 | 80 | 8 | 2.6 | | 1.1 | | 0.8 | | 25.5 | 2.6 | 25.2 | 12 |
| SMDH 00033b | 1 | 2 | EXP 524697 | 30 | 4 | 1.8 | | 0.9 | | 1.1 | | 19.5 | 1.8 | 12.3 | 10 |
| SMDH 00032 | 4 | 5 | EXP 524731 | 95 | 7 | 2.5 | | 0.9 | | | | 24.8 | 2.1 | 11.3 | 6 |
| SMDH 00029b | 2 | 3 | EXP 524784 | 50 | 5 | 4 | 0.7 | 1.6 | | 0.9 | | 29.8 | 3.5 | 11.2 | 11 |
| SMDH 00029b | 3 | 4 | EXP 524785 | 40 | 5 | 5.7 | 0.9 | 2.3 | | 2.2 | | 48.2 | 4.7 | 14.4 | 12 |
| SMDH 00028b | 0 | 1 | EXP 524795 | 30 | 14 | 6.5 | 1.1 | 2.9 | | 3.2 | | 43 | 6 | 18.5 | 11 |
| SMDH 00028b | 8 | 8.5 | EXP 524803 | 20 | 4 | 3.9 | 0.7 | 1.8 | | 1.5 | | 3.4 | 1.3 | 8.6 | 10 |
| SMDH 00027b | 1 | 2 | EXP 524812 | 20 | 1 | 4.6 | 0.8 | 2.3 | | 1.7 | | 23.4 | 2.1 | 19.3 | 11 |
| SMDH 00029 | 0 | 1 | EXP 524817 | 20 | 4 | 8.1 | 1.6 | 3.5 | 0.6 | 3.4 | | 49.8 | 4.6 | 27.3 | 9 |
| SMDH 00026b | 11 | 11.5 | EXP 524849 | 50 | 9 | 4.8 | 0.9 | 1.9 | | 2.5 | | 37.8 | 3.7 | 15.2 | 13 |
| SMDH 00023b | 1 | 2 | EXP 524907 | 35 | 0 | 3.8 | 0.7 | 1.5 | | 1.4 | | 41.9 | 3.8 | 20.5 | 12 |
| SMDH 00023b | 6 | 7 | EXP 524912 | 80 | 3 | 4.2 | 0.7 | 1.3 | | | | 46.4 | 3.8 | 25.2 | 13 |
| SMDH 00022b | 0 | 1 | EXP 524931 | 20 | 5 | 6.7 | 1.3 | 2.7 | | 3 | | 75.4 | 5 | 16 | 11 |
| SMDH 00022 | 0 | 1 | EXP 524941 | 15 | 3 | 8.3 | 1.6 | 3.7 | 0.7 | 4.1 | 0.8 | 65.8 | 4.8 | 21.5 | 20 |
| SMDH 00022 | 1 | 2 | EXP 524942 | 25 | 3 | 7.7 | 1.7 | 4 | 0.7 | 4.6 | 0.9 | 53.9 | 4 | 24.6 | 26 |
| SMDH 00021 | 0 | 1 | EXP 524958 | 20 | 2 | 5.4 | 1.1 | 2.5 | | 2.7 | | 50.2 | 2.9 | 18.2 | 16 |
| SMDH 00020 | 3 | 4 | EXP 524975 | 20 | 0 | 0.7 | | | | | | 4.3 | 1.4 | 11.3 | 3 |
| SMDH 00019b | 0 | 1 | EXP 524980 | 5 | 0 | 4.5 | 0.9 | 2.2 | | 1.5 | | 46.5 | 4.8 | 12.4 | 6 |
| SMDH 00019b | 10 | 11 | EXP 524990 | 98 | 0 | 2.5 | | 1.4 | | 1.7 | | 17.3 | 3.9 | 27.9 | 25 |
| SMDH 00019 | 0 | 1 | EXP 524994 | 30 | 9 | 5.2 | 0.9 | 2.7 | | 1.7 | | 46.2 | 5 | 17.7 | 7 |
| SMDH 00227 | 0 | 1 | EXP 525078 | 10 | 17 | 7.2 | 1.1 | 3 | | 2.6 | | 65.7 | 5.7 | 32.8 | 4 |
| SMDH 00228 | 0 | 1 | EXP 525088 | 18 | 12 | 9.2 | 1.8 | 4.6 | 0.8 | 5.8 | 0.7 | 66.6 | 6 | 45.8 | 13 |
| SMDH 00235 | 8 | 8.5 | EXP 525196 | 50 | 4 | 4.8 | 1.3 | 4.8 | 0.9 | 8 | 1 | 13.2 | 4.4 | 16.2 | 25 |
| SMDH 00252 | 5 | 6 | EXP 525255 | 20 | 3 | 2.9 | 0.6 | 1 | | | | 10.7 | 4.1 | 9.2 | 4 |
| SMDH 00250 | 0 | 1 | EXP 525271 | 20 | 9 | 5.9 | 1.3 | 3.3 | 0.7 | 3.6 | | 27.8 | 3.1 | 27.6 | 7 |
| SMDH 00248 | 2 | 3 | EXP 525290 | 25 | 15 | 9.2 | 1.9 | 5.1 | 0.9 | 6 | 0.8 | 46.7 | 3.9 | 33.2 | 15 |
| SMDH 00244 | 1 | 2 | EXP 525337 | 25 | 16 | 10.1 | 2.1 | 5.1 | 0.9 | 5.4 | 0.7 | 58.9 | 5.8 | 31.9 | 23 |
| SMDH 00243 | 4 | 5 | EXP 525354 | 15 | 20 | 10.1 | 2.2 | 5.7 | 1 | 6.4 | 0.8 | 77.4 | 2.8 | 25.7 | 31 |
| SMDH 00241 | 0 | 1 | EXP 525365 | 25 | 25 | 9.9 | 1.6 | 4 | 0.7 | 4.6 | | 82.5 | 5.2 | 17.9 | 11 |
| SMDH 00256 | 3 | 4 | EXP 525400 | 20 | 5 | 6.4 | 1.1 | 3 | | 3.3 | | 57.7 | 3.1 | 20.3 | 21 |
| SMDH 00257 | 0 | 1 | EXP 525410 | 15 | 14 | 7.7 | 1.4 | 3.1 | 0.6 | 3.3 | 0.6 | 57.6 | 4.1 | 17.3 | 12 |
| SMDH 00257 | 1 | 2 | EXP 525411 | 20 | 18 | 10.8 | 1.9 | 4.9 | 0.9 | 5.2 | 0.8 | 83.2 | 5.1 | 21.5 | 20 |
| SMDH 00257 | 3 | 4 | EXP 525413 | 20 | 4 | 0.6 | | | | | | 5.2 | 1.8 | 11.3 | 5 |
| SMDH 00260 | 0 | 1 | EXP 525443 | 15 | 19 | 5.9 | 1 | 2.5 | | 1.4 | | 46.7 | 4 | 19.2 | 13 |
| SMDH 00264 | 11 | 11.5 | EXP 525493 | 50 | 6 | 3.8 | 0.7 | 1.5 | | 0.8 | | 31.4 | 3.9 | 20 | 7 |
| SMDH 00265 | 1 | 2 | EXP 525495 | 15 | 6 | 4.7 | 1 | 2.6 | | 1.6 | | 27.1 | 4.4 | 18.5 | 22 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MEAN | 28.5 | 80.3 | 168.9 | 19.2 | 68.2 | 12.4 | 1.4 | 7.7 | 1 | 4.9 | 1 |
| | | | | | MAX | 72 | 200.5 | 408.9 | 48.5 | 167.5 | 30.2 | 3.2 | 17.9 | 2.2 | 11.4 | 2.2 |
| | | | | | MIN | 2.1 | 5.9 | 8 | 0.8 | 3.9 | 1 | 0.8 | 0.6 | 0.5 | 0.5 | 0.5 |
| BHID | FROM | TO | SID | Recov% | CRCT_cps | Y_ppm | La_ppm | Ce_ppm | Pr_ppm | Nd_ppm | Sm_ppm | Eu_ppm | Gd_ppm | Tb_ppm | Dy_ppm | Ho_ppm |
| SMDH 00013 | 0 | 1 | EXP 524000 | 25 | 3 | | | | | | | | | | | |
| SMDH 00013 | 3 | 4 | EXP 524003 | 70 | 2 | 15.6 | 81.9 | 162.1 | 18.1 | 62.2 | 11.6 | 1.6 | 7.1 | 0.9 | 4 | 0.6 |
| SMDH 00013 | 9 | 10 | EXP 524009 | 70 | 0 | 28.7 | 140.5 | 288.4 | 32 | 111.6 | 20.3 | 1.6 | 12.7 | 1.6 | 7.5 | 1 |
| SMDH 00012b | 0 | 1 | EXP 524011 | 40 | 7 | 32 | 104.7 | 217.3 | 24.7 | 85.2 | 16.4 | 1.5 | 9.9 | 1.2 | 6.1 | 1.1 |
| SMDH 00012b | 1 | 2 | EXP 524012 | 50 | 17 | 36.7 | 127.1 | 262.1 | 29.2 | 108.9 | 19.5 | 1.8 | 11.8 | 1.5 | 7.4 | 1.3 |
| SMDH 00012b | 4 | 5 | EXP 524015 | 70 | 0 | 20.1 | 77.3 | 155.2 | 17.9 | 63.3 | 12.8 | 2 | 7.9 | 0.9 | 4.1 | 0.7 |
| SMDH 00012b | 5 | 6 | EXP 524016 | 70 | 0 | 23.4 | 72.3 | 151.3 | 17.9 | 62.8 | 12.2 | 1.5 | 7.7 | 1 | 4.8 | 0.9 |
| SMDH 00012b | 6 | 7 | EXP 524017 | 80 | 9 | 18.7 | 61.4 | 127.8 | 15 | 51.7 | 10.3 | 1.2 | 6.5 | 0.8 | 3.6 | 0.7 |
| SMDH 00012b | 8 | 9 | EXP 524019 | 80 | 3 | 24.2 | 89.5 | 186.8 | 22.4 | 76.5 | 16.4 | 1.8 | 10.5 | 1.2 | 5.4 | 0.9 |
| SMDH 00012b | 9 | 10 | EXP 524020 | 90 | 3 | 28.8 | 56.4 | 124.1 | 14.2 | 50.6 | 10.3 | 1.4 | 6.9 | 0.8 | 3.7 | 0.7 |
| SMDH 00012b | 10 | 11 | EXP 524021 | 80 | 4 | 21.8 | 63.4 | 134.7 | 16 | 56.3 | 11.3 | 1.5 | 7.4 | 0.8 | 3.3 | 0.6 |
| SMDH 00012b | 11 | 12 | EXP 524022 | 75 | 5 | 26.1 | 62.1 | 134.4 | 15.2 | 53.1 | 10.8 | 1.2 | 7.2 | 0.8 | 3.7 | 0.6 |
| SMDH 00012b | 13 | 14 | EXP 524024 | 80 | 2 | 27.3 | 76.8 | 161.7 | 18.5 | 65.1 | 12.8 | 1.5 | 8.3 | 0.9 | 3.9 | 0.7 |
| SMDH 00012 | 0 | 1 | EXP 524025 | 45 | 6 | 45 | 112.2 | 237.7 | 27.2 | 95.1 | 17.2 | 1.2 | 11.6 | 1.3 | 6 | 1.1 |
| SMDH 00012 | 1 | 2 | EXP 524026 | 60 | 2 | 29.2 | 72.6 | 161.3 | 17.4 | 59.1 | 10.6 | 1.3 | 6.5 | 0.7 | 3.5 | 0.7 |
| SMDH 00012 | 2 | 3 | EXP 524027 | 65 | 2 | 13.3 | 39.5 | 76 | 9.2 | 34.9 | 6 | 0.9 | 3.7 | L | 2 | L |
| SMDH 00012 | 3 | 4 | EXP 524028 | 70 | 2 | 29.3 | 64 | 135.3 | 14.9 | 54.1 | 10 | 1 | 6.2 | 0.8 | 3.9 | 0.7 |
| SMDH 00012 | 4 | 5 | EXP 524029 | 75 | 6 | 18.5 | 86.4 | 183.6 | 19.6 | 70 | 11.8 | 1.3 | 6.7 | 0.7 | 3.1 | 0.6 |
| SMDH 00011b | 2 | 3 | EXP 524037 | 85 | 4 | 19.1 | 79.7 | 167.4 | 19.7 | 70.2 | 11.8 | 1 | 6.4 | 0.7 | 3.4 | 0.7 |
| SMDH 00011b | 4 | 5 | EXP 524039 | 90 | 13 | 6.4 | 27.2 | 55 | 8.8 | 30.8 | 3.5 | 1.3 | 2.1 | L | 1 | L |
| SMDH 00011b | 7 | 8 | EXP 524042 | 60 | 5 | 14.4 | 52.6 | 109.6 | 12.3 | 43.5 | 8.3 | 1.1 | 5.3 | 0.6 | 2.9 | 0.5 |
| SMDH 00011 | 1 | 2 | EXP 524044 | 60 | 5 | 26.3 | 82.1 | 168.8 | 18.3 | 63.6 | 11.4 | 1.5 | 6.8 | 0.9 | 4.2 | 0.8 |
| SMDH 00010b | 1 | 2 | EXP 524049 | 50 | 2 | 72 | 81.1 | 171.4 | 19.3 | 71.3 | 12.6 | 1.6 | 8.7 | 1.3 | 8.8 | 2.2 |
| SMDH 00010b | 4 | 5 | EXP 524052 | 85 | 9 | 20 | 75.4 | 156.8 | 17.4 | 62.2 | 10.7 | 1.4 | 6.6 | 0.7 | 3.5 | 0.7 |
| SMDH 00010 | 0 | 1 | EXP 524055 | 50 | 6 | 53.4 | 176.9 | 395 | 43.7 | 155.2 | 30.2 | 1.4 | 17.9 | 2 | 9.4 | 1.7 |
| SMDH 00010 | 1 | 2 | EXP 524056 | 55 | 0 | 16.1 | 52 | 106.3 | 12.9 | 46.4 | 9.1 | 0.9 | 5.4 | 0.6 | 3.1 | 0.6 |
| SMDH 00010 | 2 | 3 | EXP 524057 | 60 | 5 | 22.2 | 78.5 | 160.7 | 19.6 | 70.6 | 13.7 | 1.3 | 8 | 0.9 | 4.6 | 0.8 |
| SMDH 00009b | 0 | 1 | EXP 524063 | 55 | 12 | 52 | 200.5 | 408.9 | 48.5 | 167.5 | 29.9 | 1.7 | 17.9 | 2.2 | 11.4 | 1.9 |
| SMDH 00009b | 1 | 2 | EXP 524064 | 60 | 7 | 26.2 | 158.1 | 308.4 | 36.2 | 128.8 | 21 | 1.8 | 12.1 | 1.4 | 6.8 | 1.1 |
| SMDH 00009b | 7 | 8 | EXP 524070 | 75 | 11 | 29.4 | 119.5 | 233.7 | 26.9 | 97.5 | 17.2 | 2.1 | 10.4 | 1.2 | 6.2 | 1.1 |
| SMDH 00009 | 0 | 1 | EXP 524071 | 45 | 3 | 34 | 86.4 | 178 | 20.6 | 74 | 12.9 | 1.2 | 8.2 | 1.1 | 6.2 | 1.2 |
| SMDH 00008b | 0 | 1 | EXP 524084 | 50 | 12 | 26.6 | 76.8 | 154.2 | 18.6 | 66.3 | 11.6 | 1.1 | 7.3 | 0.9 | 5.6 | 1 |
| SMDH 00008 | 1 | 2 | EXP 524096 | 65 | 13 | 32.7 | 73.4 | 144.1 | 17 | 58.3 | 10.4 | 1.1 | 6.7 | 0.8 | 5.6 | 1.1 |
| SMDH 00007b | 0 | 1 | EXP 524102 | 45 | 19 | 57.3 | 121.6 | 259.5 | 29.4 | 102.2 | 18.6 | 1.5 | 12 | 1.4 | 7.2 | 1.3 |
| SMDH 00007b | 1 | 2 | EXP 524103 | 5 | 3 | 48.6 | 62 | 132.9 | 14.8 | 55.2 | 9.8 | 1.7 | 6.5 | 0.9 | 5.2 | 1.1 |
| SMDH 00007 | 1 | 2 | EXP 524110 | 50 | 4 | 29.7 | 57.3 | 116.6 | 13.7 | 48.1 | 8.8 | 1.7 | 5.5 | 0.7 | 3.2 | 0.7 |
| SMDH 00007 | 2 | 3 | EXP 524111 | 70 | 7 | 31.8 | 69.2 | 143.5 | 17 | 61.8 | 10.5 | 1.6 | 6.4 | 0.7 | 4 | 0.7 |
| SMDH 00006b | 1 | 2 | EXP 524121 | 55 | 27 | 71.9 | 120.9 | 247.3 | 29.9 | 101.8 | 17.9 | 3.2 | 11.4 | 1.6 | 8.7 | 1.8 |
| SMDH 00006b | 4 | 5 | EXP 524124 | 75 | 17 | 38.7 | 78.1 | 167.9 | 18.8 | 67.4 | 10.9 | 1.2 | 7.3 | 0.8 | 4.7 | 0.9 |
| SMDH 00006b | 8 | 9 | EXP 524128 | 70 | 19 | 66.1 | 129.2 | 272.5 | 31.2 | 117.5 | 18.5 | 2.6 | 11.8 | 1.3 | 8.2 | 1.6 |
| SMDH 00006b | 11 | 11.5 | EXP 524131 | 45 | 13 | 66.5 | 137.4 | 292.9 | 33.6 | 119.7 | 20 | 2.4 | 11.9 | 1.4 | 8.4 | 1.6 |
| SMDH 00005b | 0 | 1 | EXP 524142 | 20 | 20 | 27.8 | 95 | 275.4 | 24.7 | 81.8 | 15.3 | 1 | 10.2 | 1.1 | 5.8 | 1.3 |
| SMDH 00005b | 1 | 2 | EXP 524143 | 25 | 24 | 20.1 | 90.8 | 206.3 | 22.8 | 78.3 | 13.8 | 1.4 | 8.9 | 1 | 4.4 | 0.8 |
| SMDH 00005 | 1 | 2 | EXP 524149 | 40 | 0 | 14.6 | 72.1 | 149.9 | 16.6 | 57 | 9.9 | 1.3 | 6.5 | 0.6 | 3 | 0.6 |
| SMDH 00002b | 7 | 7.5 | EXP 524199 | 50 | 0 | 5.5 | 28.2 | 54.4 | 6.7 | 23.3 | 3.9 | 1.3 | 2.2 | L | 0.9 | L |
| SMDH 00001 | 0 | 1 | EXP 524224 | 40 | 13 | 21.4 | 72.7 | 139.9 | 16.3 | 59.6 | 11.6 | 1 | 7.1 | 0.8 | 4 | 0.9 |
| SMDH 00205 | 0 | 1 | EXP 524238 | 45 | 18 | 24.2 | 84.7 | 184.2 | 21.2 | 74.7 | 14.7 | 1.3 | 8.8 | 1 | 5.2 | 1 |
| SMDH 00205 | 4 | 5 | EXP 524242 | 40 | 0 | 2.1 | 5.9 | 8 | 0.8 | 3.9 | 1 | L | 0.6 | L | L | L |
| SMDH 00206 | 0 | 1 | EXP 524264 | 40 | 7 | 22.5 | 65.5 | 136.7 | 16.7 | 60.2 | 11.4 | 1 | 6.7 | 0.8 | 4.3 | 0.9 |

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| BHID | FROM | TO | SID | Recov% | CRCT_cps | Y_ppm | La_ppm | Ce_ppm | Pr_ppm | Nd_ppm | Sm_ppm | Eu_ppm | Gd_ppm | Tb_ppm | Dy_ppm | Ho_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMDH 00207 | 10 | 10.5 | EXP 524295 | 40 | 3 | 6.2 | 32 | 67.9 | 7.5 | 27.1 | 4.8 | 1.7 | 2.7 | L | 1.2 | L |
| SMDH 00211 | 0 | 1 | EXP 524374 | 20 | 21 | 39.2 | 109.3 | 237.6 | 25.8 | 92 | 15.9 | 1.2 | 9.9 | 1.3 | 7 | 1.4 |
| SMDH 00213b | 0 | 1 | EXP 524430 | 50 | 11 | 40.5 | 96.5 | 217.7 | 23.4 | 86.8 | 14.8 | 1.4 | 9.9 | 1.3 | 7.7 | 1.7 |
| SMDH 00213b | 10 | 11 | EXP 524440 | 20 | 5 | 32.1 | 79.6 | 172 | 19.6 | 74.1 | 12.5 | 1.6 | 7.5 | 1 | 5.8 | 1.4 |
| SMDH 00216 | 4 | 5 | EXP 524479 | 40 | 1 | 15.5 | 53.4 | 111.2 | 12.5 | 45.1 | 8.2 | 0.9 | 5.6 | 0.7 | 3.6 | 0.6 |
| SMDH 00216b | 0 | 1 | EXP 524489 | 30 | 4 | 15.6 | 58.9 | 126.4 | 13.5 | 51.5 | 9.5 | 1.2 | 5.5 | 0.7 | 3.3 | 0.6 |
| SMDH 00217 | 0 | 1 | EXP 524504 | 25 | 3 | 14.3 | 53.4 | 111.1 | 12.2 | 46.3 | 8 | 1.5 | 4.8 | 0.6 | 3.1 | 0.6 |
| SMDH 00217 | 2 | 3 | EXP 524506 | 20 | 0 | 24.8 | 69.4 | 148.2 | 16.2 | 55.3 | 10.8 | 1.4 | 6.8 | 0.9 | 4.9 | 1 |
| SMDH 00217b | 3 | 4 | EXP 524516 | 25 | 2 | 9.9 | 34.4 | 74.3 | 8.3 | 29.6 | 5.5 | 1.4 | 3.4 | 0.5 | 2.1 | L |
| SMDH 00218 | 6 | 7 | EXP 524527 | 90 | 4 | 33.1 | 82.5 | 169.8 | 18.6 | 65.1 | 11.8 | 1.2 | 8.2 | 1.1 | 6.1 | 1.3 |
| SMDH 00218b | 0 | 1 | EXP 524539 | 30 | 4 | 10.1 | 29.5 | 58.5 | 7 | 23.8 | 4.9 | 1.4 | 3 | L | 1.9 | L |
| SMDH 00219 | 0 | 1 | EXP 524548 | 40 | 9 | 13.2 | 55.8 | 118 | 12.1 | 45.1 | 8.7 | 1.8 | 5.1 | 0.6 | 2.6 | 0.6 |
| SMDH 00220 | 1 | 2 | EXP 524566 | 45 | 4 | 29.6 | 12.8 | 31.6 | 4.2 | 18.1 | 5 | 2.4 | 4.5 | 0.8 | 5.4 | 1.2 |
| SMDH 00220 | 2 | 3 | EXP 524567 | 90 | 0 | 29.1 | 11.5 | 27.5 | 3.7 | 16.2 | 4.8 | 1.5 | 4.4 | 0.7 | 5.1 | 1.2 |
| SMDH 00015 | 0 | 1 | EXP 524633 | 25 | 8 | 20.7 | 64.5 | 137.7 | 15.8 | 54.6 | 9.8 | 1.1 | 6.5 | 0.7 | 3.8 | 0.8 |
| SMDH 00014 | 1 | 2 | EXP 524669 | 80 | 8 | 9.6 | 57.3 | 111.2 | 13.3 | 45.5 | 8.2 | 1.2 | 5.3 | 0.6 | 2.3 | L |
| SMDH 00033b | 1 | 2 | EXP 524697 | 30 | 4 | 7.8 | 43.4 | 84.4 | 9.5 | 33 | 5.5 | 1.4 | 3.2 | L | 1.6 | L |
| SMDH 00032 | 4 | 5 | EXP 524731 | 95 | 7 | 9 | 55.2 | 104.7 | 12.1 | 41.7 | 7.2 | 2 | 4.5 | 0.5 | 2.2 | L |
| SMDH 00029b | 2 | 3 | EXP 524784 | 50 | 5 | 15.2 | 56 | 111.9 | 13.3 | 46.2 | 9.3 | 0.9 | 5.7 | 0.7 | 3.5 | 0.6 |
| SMDH 00029b | 3 | 4 | EXP 524785 | 40 | 5 | 22.1 | 92.8 | 187.8 | 22.6 | 79.4 | 15.7 | 1.1 | 9.3 | 1.1 | 5 | 0.8 |
| SMDH 00028b | 0 | 1 | EXP 524795 | 30 | 14 | 27.4 | 89.3 | 178.1 | 20.9 | 71.3 | 13.9 | 1.3 | 9 | 1.1 | 5.7 | 1 |
| SMDH 00028b | 8 | 8.5 | EXP 524803 | 20 | 4 | 18.2 | 12.9 | 26.6 | 3.4 | 12.7 | 3.3 | 1.5 | 2.5 | 0.5 | 3.4 | 0.6 |
| SMDH 00027b | 1 | 2 | EXP 524812 | 20 | 1 | 21 | 56.2 | 113.2 | 13.8 | 46.4 | 8.2 | 2 | 5.4 | 0.7 | 4 | 0.7 |
| SMDH 00029 | 0 | 1 | EXP 524817 | 20 | 4 | 59 | 99.3 | 203.4 | 24.2 | 87.5 | 15.9 | 1.5 | 9.9 | 1.3 | 7.1 | 1.4 |
| SMDH 00026b | 11 | 11.5 | EXP 524849 | 50 | 9 | 33 | 77.5 | 156 | 18.3 | 63.6 | 12.1 | 1 | 7.8 | 0.9 | 4.2 | 0.8 |
| SMDH 00023b | 1 | 2 | EXP 524907 | 35 | 0 | 24.8 | 75.8 | 152.8 | 18.5 | 65.2 | 11 | 1 | 6.8 | 0.8 | 3.3 | 0.6 |
| SMDH 00023b | 6 | 7 | EXP 524912 | 80 | 3 | 23.1 | 102.3 | 195.3 | 23.8 | 88.8 | 14.5 | 1.4 | 8.4 | 0.9 | 3.7 | 0.6 |
| SMDH 00022b | 0 | 1 | EXP 524931 | 20 | 5 | 45.6 | 131.4 | 288.1 | 33.2 | 117.9 | 19.9 | 0.8 | 11.2 | 1.3 | 5.8 | 1.1 |
| SMDH 00022 | 0 | 1 | EXP 524941 | 15 | 3 | 62.1 | 114.5 | 249.8 | 28 | 102.3 | 17.2 | 1.2 | 10.5 | 1.3 | 7.2 | 1.4 |
| SMDH 00022 | 1 | 2 | EXP 524942 | 25 | 3 | 63 | 103.9 | 229.7 | 25 | 89.2 | 15.7 | 1.1 | 9.4 | 1.2 | 6.7 | 1.5 |
| SMDH 00021 | 0 | 1 | EXP 524958 | 20 | 2 | 37.9 | 82.6 | 192.8 | 20 | 71.3 | 12.6 | 1 | 7.7 | 1 | 4.7 | 1 |
| SMDH 00020 | 3 | 4 | EXP 524975 | 20 | 0 | 4 | 16.4 | 29.1 | 3.2 | 11.2 | 2 | 1.9 | 1.2 | L | 0.6 | L |
| SMDH 00019b | 0 | 1 | EXP 524980 | 5 | 0 | 18.8 | 77 | 230 | 19.6 | 68.2 | 12.6 | 0.8 | 7.5 | 0.8 | 3.9 | 0.8 |
| SMDH 00019b | 10 | 11 | EXP 524990 | 98 | 0 | 12.6 | 35.9 | 72.2 | 8.5 | 28.4 | 5.3 | 1 | 3.5 | L | 2.2 | L |
| SMDH 00019 | 0 | 1 | EXP 524994 | 30 | 9 | 21.8 | 68.7 | 201.6 | 18.3 | 63.4 | 12.7 | 1.1 | 8 | 1.1 | 4.5 | 0.8 |
| SMDH 00227 | 0 | 1 | EXP 525078 | 10 | 17 | 28.7 | 125.8 | 265 | 30.6 | 109.2 | 18.6 | 1.5 | 11.3 | 1.3 | 6.3 | 1 |
| SMDH 00228 | 0 | 1 | EXP 525088 | 18 | 12 | 41.8 | 198.2 | 348.5 | 39.3 | 155 | 23.5 | 2.2 | 13.2 | 1.5 | 8 | 1.6 |
| SMDH 00235 | 8 | 8.5 | EXP 525196 | 50 | 4 | 32.8 | 35.1 | 69 | 8 | 27 | 5.3 | 1 | 3.5 | 0.6 | 4.2 | 1.1 |
| SMDH 00252 | 5 | 6 | EXP 525255 | 20 | 3 | 13.1 | 28.3 | 50.7 | 6.1 | 21.5 | 4.7 | 1.9 | 3.2 | 0.5 | 2.5 | 0.5 |
| SMDH 00250 | 0 | 1 | EXP 525271 | 20 | 9 | 29.9 | 63.4 | 123.8 | 14.5 | 50.9 | 10.5 | 1.3 | 6.8 | 0.9 | 5.1 | 1.1 |
| SMDH 00248 | 2 | 3 | EXP 525290 | 25 | 15 | 48 | 102 | 209.7 | 23.9 | 81.2 | 15.6 | 1.7 | 10.2 | 1.3 | 8 | 1.7 |
| SMDH 00244 | 1 | 2 | EXP 525337 | 25 | 16 | 49 | 109.7 | 236.8 | 27.9 | 91.2 | 18.4 | 1.9 | 12.2 | 1.6 | 8.8 | 1.8 |
| SMDH 00243 | 4 | 5 | EXP 525354 | 15 | 20 | 50.8 | 147.2 | 317 | 37.1 | 131.9 | 22.1 | 1.6 | 13 | 1.5 | 8.8 | 1.9 |
| SMDH 00241 | 0 | 1 | EXP 525365 | 25 | 25 | 41.1 | 156.1 | 338.1 | 39.1 | 129.8 | 24.8 | 1.4 | 15.3 | 1.8 | 8.6 | 1.4 |
| SMDH 00256 | 3 | 4 | EXP 525400 | 20 | 5 | 26.4 | 87.3 | 188.6 | 22.2 | 81.2 | 17.4 | 1.1 | 10.8 | 1.1 | 5.6 | 1 |
| SMDH 00257 | 0 | 1 | EXP 525410 | 15 | 14 | 33.1 | 114.9 | 239.8 | 28.3 | 98.4 | 17.9 | 1.3 | 11 | 1.3 | 6.7 | 1.2 |
| SMDH 00257 | 1 | 2 | EXP 525411 | 20 | 18 | 46.8 | 165.3 | 342.9 | 42 | 141.5 | 27.5 | 1.8 | 16 | 1.9 | 9.4 | 1.7 |
| SMDH 00257 | 3 | 4 | EXP 525413 | 20 | 4 | 3.3 | 14.1 | 24 | 2.9 | 10.4 | 1.8 | 1.6 | 1 | L | 0.5 | L |
| SMDH 00260 | 0 | 1 | EXP 525443 | 15 | 19 | 25.6 | 92.5 | 189.8 | 21.1 | 80.8 | 13.4 | 1.4 | 8.2 | 1 | 5.1 | 0.9 |
| SMDH 00264 | 11 | 11.5 | EXP 525493 | 50 | 6 | 16.9 | 60.1 | 120.5 | 14.4 | 48.6 | 9.8 | 1.5 | 5.8 | 0.7 | 3.3 | 0.6 |
| SMDH 00265 | 1 | 2 | EXP 525495 | 15 | 6 | 24.8 | 59.3 | 117.9 | 14.6 | 51.5 | 8.7 | 1.2 | 5.7 | 0.8 | 4.1 | 0.9 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MEAN | 2.2 | 0.6 | 2.6 | 0.6 | 34.7 | 3.2 | 1.2 | 36.8 | 15.1 | 1.5 | 136.7 |
| | | | | | MAX | 5.9 | 1 | 13.2 | 0.9 | 94.5 | 8.2 | 2.9 | 92.6 | 37.8 | 9.9 | 584.7 |
| | | | | | MIN | 0.5 | 0.5 | 0.6 | 0.5 | 1 | 0.5 | 0.5 | 5.8 | 6 | 0.5 | 25.1 |
| BHID | FROM | TO | SID | Recov% | CRCT_cps | Er_ppm | Tm_ppm | Yb_ppm | Lu_ppm | Th_ppm | U_ppm | Zr_ppm | Hf_ppm | Nb_ppm | Ta_ppm | Sr_ppm |
| SMDH 00013 | 0 | 1 | EXP 524000 | 25 | 3 | | | | | | | | | | | |
| SMDH 00013 | 3 | 4 | EXP 524003 | 70 | 2 | 1.2 | L | L | L | 34.7 | 4.9 | 1.7 | 36.1 | 37.8 | 6.4 | 304.1 |
| SMDH 00013 | 9 | 10 | EXP 524009 | 70 | 0 | 2 | L | 1.8 | L | 56 | 7 | 1.9 | 38.9 | 35.2 | 3.8 | 160.2 |
| SMDH 00012b | 0 | 1 | EXP 524011 | 40 | 7 | 2.7 | L | 2.7 | 0.5 | 46.7 | 7.8 | 1.6 | 31.2 | 20 | 3 | 76 |
| SMDH 00012b | 1 | 2 | EXP 524012 | 50 | 17 | 3.2 | 0.5 | 3.1 | 0.5 | 54.6 | 8.2 | 2 | 38.4 | 21.7 | 3.1 | 84.8 |
| SMDH 00012b | 4 | 5 | EXP 524015 | 70 | 0 | 1.6 | L | 0.8 | L | 32.5 | 6 | 1.2 | 21.9 | 29.8 | 3.3 | 202.5 |
| SMDH 00012b | 5 | 6 | EXP 524016 | 70 | 0 | 2.1 | L | 2.1 | L | 32.7 | 5 | 1.2 | 24 | 23.3 | 2.3 | 262.8 |
| SMDH 00012b | 6 | 7 | EXP 524017 | 80 | 9 | 1.7 | L | 1.9 | L | 29.3 | 3.3 | 1.1 | 21.8 | 19 | 1.7 | 80 |
| SMDH 00012b | 8 | 9 | EXP 524019 | 80 | 3 | 2.1 | L | 1.3 | L | 39.3 | 4.1 | 1.1 | 22.6 | 28.6 | 1.6 | 109.2 |
| SMDH 00012b | 9 | 10 | EXP 524020 | 90 | 3 | 1.5 | L | 1.5 | L | 23.7 | 2.3 | 1.2 | 34.9 | 17.3 | 1.6 | 121.2 |
| SMDH 00012b | 10 | 11 | EXP 524021 | 80 | 4 | 1.1 | L | 1.3 | L | 27.7 | 2.3 | 1.2 | 37.3 | 17.3 | 1.2 | 126 |
| SMDH 00012b | 11 | 12 | EXP 524022 | 75 | 5 | 1.4 | L | 1 | L | 27.8 | 3.3 | 1.5 | 48.4 | 17.9 | 2 | 123.1 |
| SMDH 00012b | 13 | 14 | EXP 524024 | 80 | 2 | 1.5 | L | 1.3 | L | 31.4 | 2.6 | 1.1 | 34.9 | 16.8 | 1.1 | 188.2 |
| SMDH 00012 | 0 | 1 | EXP 524025 | 45 | 6 | 2.4 | L | 1.9 | L | 47.6 | 4.4 | 2.4 | 74.9 | 15.6 | 4.7 | 52.6 |
| SMDH 00012 | 1 | 2 | EXP 524026 | 60 | 2 | 1.5 | L | 1.5 | L | 31.6 | 2.5 | 1.2 | 36.6 | 13.6 | 1 | 145.7 |
| SMDH 00012 | 2 | 3 | EXP 524027 | 65 | 2 | 0.6 | L | 0.7 | L | 13.7 | 1.3 | 0.8 | 27.8 | 13.8 | 1.5 | 219.1 |
| SMDH 00012 | 3 | 4 | EXP 524028 | 70 | 2 | 1.5 | L | 0.7 | L | 25.7 | 2.9 | 0.8 | 26.2 | 16.4 | 1.9 | 152.9 |
| SMDH 00012 | 4 | 5 | EXP 524029 | 75 | 6 | 1.5 | L | 1.9 | L | 35.5 | 3 | 1.1 | 44.2 | 13.4 | 1.6 | 141.3 |
| SMDH 00011b | 2 | 3 | EXP 524037 | 85 | 4 | 1.7 | L | 2.9 | L | 36.8 | 3.2 | 0.6 | 23.1 | 13.1 | 1.5 | 139.6 |
| SMDH 00011b | 4 | 5 | EXP 524039 | 90 | 13 | L | L | L | L | 9.9 | 2.7 | 0.8 | 30.9 | 7 | 1.2 | 218.1 |
| SMDH 00011b | 7 | 8 | EXP 524042 | 60 | 5 | 1 | L | 2.3 | L | 21.2 | 1.5 | 0.5 | 17.9 | 15.6 | 1 | 191.9 |
| SMDH 00011 | 1 | 2 | EXP 524044 | 60 | 5 | 1.9 | L | 2.5 | L | 32.4 | 3.8 | 1.1 | 45.4 | 11.5 | 1.4 | 202 |
| SMDH 00010b | 1 | 2 | EXP 524049 | 50 | 2 | 5.9 | 1 | 13.2 | 0.9 | 32.5 | 4.8 | 1.7 | 65.8 | 18.3 | 2.1 | 156 |
| SMDH 00010b | 4 | 5 | EXP 524052 | 85 | 9 | 1.5 | L | 3.5 | L | 30.5 | 2.9 | 1.1 | 42.8 | 12.3 | 1 | 198.2 |
| SMDH 00010 | 0 | 1 | EXP 524055 | 50 | 6 | 3.8 | 0.6 | 7.7 | 0.5 | 94.5 | 5.3 | 1.1 | 43.9 | 15.1 | 1.6 | 59.2 |
| SMDH 00010 | 1 | 2 | EXP 524056 | 55 | 0 | 1.6 | L | 1.5 | L | 27.1 | 1.3 | 0.9 | 30 | 15.9 | 0.8 | 77.4 |
| SMDH 00010 | 2 | 3 | EXP 524057 | 60 | 5 | 2 | L | 2.1 | L | 42.1 | 1.8 | 1 | 31.6 | 20.1 | 1 | 136.1 |
| SMDH 00009b | 0 | 1 | EXP 524063 | 55 | 12 | 4.4 | 0.7 | 3.8 | 0.6 | 87.5 | 5.4 | 1.7 | 53.4 | 14.8 | 1.1 | 44.9 |
| SMDH 00009b | 1 | 2 | EXP 524064 | 60 | 7 | 2.1 | L | 0.9 | L | 61.9 | 2.7 | 0.8 | 28.5 | 14.9 | 0.6 | 175.6 |
| SMDH 00009b | 7 | 8 | EXP 524070 | 75 | 11 | 2.6 | L | 2.2 | L | 51.3 | 2.8 | 0.9 | 31 | 16.7 | 5.6 | 251.4 |
| SMDH 00009 | 0 | 1 | EXP 524071 | 45 | 3 | 3.2 | 0.5 | 3 | 0.5 | 37.1 | 2.8 | 1 | 32.2 | 13.2 | 0.8 | 52.7 |
| SMDH 00008b | 0 | 1 | EXP 524084 | 50 | 12 | 2.4 | 0.5 | 2.6 | L | 33.3 | 2 | 1.3 | 43.7 | 12 | 0.6 | 48.8 |
| SMDH 00008 | 1 | 2 | EXP 524096 | 65 | 13 | 3 | 0.5 | 3.6 | 0.6 | 36.8 | 1.9 | 1.3 | 40.4 | 15.3 | 0.9 | 86.1 |
| SMDH 00007b | 0 | 1 | EXP 524102 | 45 | 19 | 3.1 | 0.5 | 3.3 | 0.5 | 51.7 | 3.6 | 1.2 | 39.3 | 15.7 | 1.3 | 103.6 |
| SMDH 00007b | 1 | 2 | EXP 524103 | 5 | 3 | 2.6 | 0.5 | 2.6 | 0.5 | 26.3 | 3.1 | 0.6 | 19.9 | 18.6 | 1.4 | 108.4 |
| SMDH 00007 | 1 | 2 | EXP 524110 | 50 | 4 | 1.4 | L | 1.6 | L | 22 | 1.9 | 0.8 | 22.8 | 10.1 | 0.7 | 161.7 |
| SMDH 00007 | 2 | 3 | EXP 524111 | 70 | 7 | 1.8 | L | 2 | L | 27.3 | 1.8 | 0.6 | 18.7 | 21.4 | 0.8 | 186 |
| SMDH 00006b | 1 | 2 | EXP 524121 | 55 | 27 | 3.8 | 0.6 | 3.9 | 0.6 | 40 | 3.1 | 0.6 | 18.2 | 16.9 | 1.7 | 138 |
| SMDH 00006b | 4 | 5 | EXP 524124 | 75 | 17 | 1.9 | L | 1.6 | L | 30.5 | 1.7 | 0.5 | 14.2 | 10.4 | 0.7 | 123.6 |
| SMDH 00006b | 8 | 9 | EXP 524128 | 70 | 19 | 3.3 | 0.5 | 3.2 | 0.5 | 50.3 | 3 | 0.7 | 20.4 | 15.6 | 0.8 | 194.4 |
| SMDH 00006b | 11 | 11.5 | EXP 524131 | 45 | 13 | 3.6 | 0.6 | 3.5 | 0.5 | 51.8 | 2.9 | 0.6 | 17.7 | 15.9 | 1 | 215.4 |
| SMDH 00005b | 0 | 1 | EXP 524142 | 20 | 20 | 2.6 | 0.5 | 2.6 | 0.5 | 49.3 | 2.8 | 0.7 | 21.3 | 13 | 1 | 32.8 |
| SMDH 00005b | 1 | 2 | EXP 524143 | 25 | 24 | 1.8 | L | 2.2 | L | 39 | 2.3 | 0.7 | 22.5 | 12.3 | 1 | 120.3 |
| SMDH 00005 | 1 | 2 | EXP 524149 | 40 | 0 | 1.3 | L | L | L | 28.4 | 2.6 | 1.2 | 39.3 | 13.4 | 1.2 | 63.6 |
| SMDH 00002b | 7 | 7.5 | EXP 524199 | 50 | 0 | 0.5 | L | L | L | 10.7 | 1.7 | 0.5 | 15.7 | 8.9 | 0.8 | 252.8 |
| SMDH 00001 | 0 | 1 | EXP 524224 | 40 | 13 | 2.1 | L | 1.5 | L | 33 | 3.8 | 1.5 | 49.7 | 12.5 | 1.3 | 31.3 |
| SMDH 00205 | 0 | 1 | EXP 524238 | 45 | 18 | 2.5 | L | 3.9 | L | 36.5 | 3 | 1.2 | 36.8 | 13.9 | 0.9 | 56.4 |
| SMDH 00205 | 4 | 5 | EXP 524242 | 40 | 0 | L | L | L | L | 1 | 0.5 | L | 12.6 | 6.2 | L | 110.1 |
| SMDH 00206 | 0 | 1 | EXP 524264 | 40 | 7 | 1.9 | L | 2.1 | L | 30.5 | 2.4 | 1.1 | 32.5 | 13.3 | 1 | 82.4 |

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| BHID | FROM | TO | SID | Recov% | CRCT_cps | Er_ppm | Tm_ppm | Yb_ppm | Lu_ppm | Th_ppm | U_ppm | Zr_ppm | Hf_ppm | Nb_ppm | Ta_ppm | Sr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMDH 00207 | 10 | 10.5 | EXP 524295 | 40 | 3 | 0.5 | L | 0.6 | L | 12.8 | 0.9 | 0.5 | 19.9 | 12.6 | 1 | 333.1 |
| SMDH 00211 | 0 | 1 | EXP 524374 | 20 | 21 | 3.1 | 0.5 | 3.2 | 0.5 | 49.4 | 3.4 | 1.4 | 46.4 | 15 | 0.9 | 57.1 |
| SMDH 00213b | 0 | 1 | EXP 524430 | 50 | 11 | 3.4 | 0.7 | 3.9 | 0.6 | 45.5 | 4 | 1.3 | 48.2 | 19.8 | 1.4 | 60.4 |
| SMDH 00213b | 10 | 11 | EXP 524440 | 20 | 5 | 2.5 | L | 2.7 | 0.5 | 33.7 | 2.6 | 0.9 | 31.6 | 16.8 | 1.3 | 185.4 |
| SMDH 00216 | 4 | 5 | EXP 524479 | 40 | 1 | 1.3 | L | 1.1 | L | 20.7 | 2.5 | 1.9 | 65.3 | 16.1 | 1 | 251.3 |
| SMDH 00216b | 0 | 1 | EXP 524489 | 30 | 4 | 1.3 | L | 1.5 | L | 23.9 | 2.5 | 1.3 | 44.2 | 11.8 | 0.7 | 46.5 |
| SMDH 00217 | 0 | 1 | EXP 524504 | 25 | 3 | 1.3 | L | 1.2 | L | 18 | 2 | 2.1 | 71.4 | 15.8 | 1 | 60.8 |
| SMDH 00217 | 2 | 3 | EXP 524506 | 20 | 0 | 1.8 | L | 2 | L | 28.2 | 3.7 | 1.2 | 39.7 | 20.1 | 1.5 | 163.6 |
| SMDH 00217b | 3 | 4 | EXP 524516 | 25 | 2 | 0.6 | L | L | L | 20.5 | 2.8 | 1.3 | 38.3 | 6.6 | 1.2 | 299.9 |
| SMDH 00218 | 6 | 7 | EXP 524527 | 90 | 4 | 2.8 | 0.5 | 3.8 | 0.5 | 34.5 | 4.3 | 1.8 | 60.3 | 16.6 | 1.5 | 62.5 |
| SMDH 00218b | 0 | 1 | EXP 524539 | 30 | 4 | 0.8 | L | 0.7 | L | 12.5 | 4.1 | 2.4 | 75.7 | 8.3 | 1.4 | 153 |
| SMDH 00219 | 0 | 1 | EXP 524548 | 40 | 9 | 0.9 | L | L | L | 24.8 | 3.9 | 2 | 58.4 | 9.5 | 1.2 | 117.4 |
| SMDH 00220 | 1 | 2 | EXP 524566 | 45 | 4 | 2.6 | L | 2.6 | L | 2.5 | 2.1 | 0.6 | 11.8 | 9.5 | 1.4 | 102.4 |
| SMDH 00220 | 2 | 3 | EXP 524567 | 90 | 0 | 2.5 | L | 2.5 | L | 2.2 | 2.3 | 1 | 18.7 | 8.2 | 1.2 | 152.4 |
| SMDH 00015 | 0 | 1 | EXP 524633 | 25 | 8 | 1.7 | L | 1.8 | L | 28.2 | 3.4 | 1.8 | 60.7 | 7.5 | 0.8 | 60.2 |
| SMDH 00014 | 1 | 2 | EXP 524669 | 80 | 8 | 1 | L | 0.7 | L | 22.4 | 2.2 | 1.2 | 37.9 | 17.6 | 1 | 80.7 |
| SMDH 00033b | 1 | 2 | EXP 524697 | 30 | 4 | 0.8 | L | 1 | L | 17.1 | 1.5 | 0.9 | 29.1 | 8.6 | 0.8 | 158.6 |
| SMDH 00032 | 4 | 5 | EXP 524731 | 95 | 7 | 0.8 | L | L | L | 21.8 | 1.8 | 1.3 | 37.2 | 7.9 | L | 222 |
| SMDH 00029b | 2 | 3 | EXP 524784 | 50 | 5 | 1.4 | L | 0.8 | L | 26.2 | 3 | 1.3 | 42.4 | 7.8 | L | 67.9 |
| SMDH 00029b | 3 | 4 | EXP 524785 | 40 | 5 | 2 | L | 1.9 | L | 42.4 | 4 | 1.9 | 60.2 | 10.1 | 1.1 | 63.7 |
| SMDH 00028b | 0 | 1 | EXP 524795 | 30 | 14 | 2.5 | L | 2.8 | L | 37.8 | 5.1 | 2.4 | 80 | 12.9 | 1.3 | 107.6 |
| SMDH 00028b | 8 | 8.5 | EXP 524803 | 20 | 4 | 1.6 | L | 1.3 | L | 3 | 1.1 | L | 7.8 | 6 | 0.7 | 329.4 |
| SMDH 00027b | 1 | 2 | EXP 524812 | 20 | 1 | 2 | L | 1.5 | L | 20.6 | 1.8 | 0.6 | 20.5 | 13.5 | 0.7 | 230.7 |
| SMDH 00029 | 0 | 1 | EXP 524817 | 20 | 4 | 3.1 | 0.5 | 3 | L | 43.8 | 3.9 | 1.5 | 50.4 | 19.1 | 1.6 | 121.5 |
| SMDH 00026b | 11 | 11.5 | EXP 524849 | 50 | 9 | 1.7 | L | 2.2 | L | 33.2 | 3.1 | 1 | 38.6 | 10.6 | 1.3 | 73.7 |
| SMDH 00023b | 1 | 2 | EXP 524907 | 35 | 0 | 1.3 | L | 1.2 | L | 36.8 | 3.2 | 0.8 | 24.1 | 14.3 | 1.5 | 77.2 |
| SMDH 00023b | 6 | 7 | EXP 524912 | 80 | 3 | 1.1 | L | L | L | 40.8 | 3.2 | 1 | 32.5 | 17.6 | 1.4 | 123.9 |
| SMDH 00022b | 0 | 1 | EXP 524931 | 20 | 5 | 2.4 | L | 2.6 | L | 66.3 | 4.2 | 0.7 | 22.4 | 11.2 | 1.1 | 27.9 |
| SMDH 00022 | 0 | 1 | EXP 524941 | 15 | 3 | 3.2 | 0.6 | 3.6 | 0.7 | 57.8 | 4.1 | 1 | 31.4 | 15 | 1.3 | 27.9 |
| SMDH 00022 | 1 | 2 | EXP 524942 | 25 | 3 | 3.5 | 0.6 | 4 | 0.8 | 47.4 | 3.4 | 0.7 | 23.8 | 17.2 | 1.3 | 35 |
| SMDH 00021 | 0 | 1 | EXP 524958 | 20 | 2 | 2.2 | L | 2.4 | L | 44.1 | 2.5 | 0.9 | 29 | 12.7 | 0.7 | 35.5 |
| SMDH 00020 | 3 | 4 | EXP 524975 | 20 | 0 | L | L | L | L | 3.8 | 1.2 | L | 5.8 | 7.9 | L | 364 |
| SMDH 00019b | 0 | 1 | EXP 524980 | 5 | 0 | 1.9 | L | 1.3 | L | 40.9 | 4.1 | 1.1 | 29.9 | 8.7 | 0.8 | 34 |
| SMDH 00019b | 10 | 11 | EXP 524990 | 98 | 0 | 1.2 | L | 1.5 | L | 15.2 | 3.3 | 0.9 | 32.1 | 19.5 | 1.1 | 177.8 |
| SMDH 00019 | 0 | 1 | EXP 524994 | 30 | 9 | 2.4 | L | 1.5 | L | 40.6 | 4.2 | 1.1 | 32.2 | 12.4 | 1 | 40.9 |
| SMDH 00227 | 0 | 1 | EXP 525078 | 10 | 17 | 2.6 | L | 2.3 | L | 57.7 | 4.8 | 0.5 | 14.6 | 22.9 | 9.9 | 48 |
| SMDH 00228 | 0 | 1 | EXP 525088 | 18 | 12 | 4 | 0.7 | 5.1 | 0.6 | 58.5 | 5.1 | 1.2 | 35.1 | 32 | 2.7 | 50.6 |
| SMDH 00235 | 8 | 8.5 | EXP 525196 | 50 | 4 | 4.2 | 0.8 | 7 | 0.9 | 11.6 | 3.7 | 2.9 | 92.6 | 11.3 | 1 | 25.1 |
| SMDH 00252 | 5 | 6 | EXP 525255 | 20 | 3 | 0.9 | L | L | L | 9.4 | 3.5 | 1.6 | 43.2 | 6.4 | 0.6 | 202.3 |
| SMDH 00250 | 0 | 1 | EXP 525271 | 20 | 9 | 2.9 | 0.6 | 3.2 | L | 24.4 | 2.6 | 1.9 | 62.4 | 19.3 | 1.1 | 75 |
| SMDH 00248 | 2 | 3 | EXP 525290 | 25 | 15 | 4.5 | 0.8 | 5.3 | 0.7 | 41 | 3.3 | 1.5 | 47 | 23.2 | 1.5 | 129.8 |
| SMDH 00244 | 1 | 2 | EXP 525337 | 25 | 16 | 4.5 | 0.8 | 4.7 | 0.6 | 51.8 | 4.9 | 1.5 | 48.1 | 22.3 | 1 | 88.3 |
| SMDH 00243 | 4 | 5 | EXP 525354 | 15 | 20 | 5 | 0.9 | 5.6 | 0.7 | 68 | 2.4 | 1.1 | 32.7 | 18 | 0.7 | 176.3 |
| SMDH 00241 | 0 | 1 | EXP 525365 | 25 | 25 | 3.5 | 0.6 | 4 | L | 72.5 | 4.4 | 2.3 | 78.1 | 12.5 | 0.6 | 46.7 |
| SMDH 00256 | 3 | 4 | EXP 525400 | 20 | 5 | 2.6 | L | 2.9 | L | 50.7 | 2.6 | 1.3 | 40.2 | 14.2 | 0.5 | 584.7 |
| SMDH 00257 | 0 | 1 | EXP 525410 | 15 | 14 | 2.7 | 0.5 | 2.9 | 0.5 | 50.6 | 3.5 | 1.8 | 56.2 | 12.1 | 0.6 | 87 |
| SMDH 00257 | 1 | 2 | EXP 525411 | 20 | 18 | 4.3 | 0.8 | 4.6 | 0.7 | 73.1 | 4.3 | 2.2 | 69.3 | 15 | 0.7 | 154.7 |
| SMDH 00257 | 3 | 4 | EXP 525413 | 20 | 4 | L | L | L | L | 4.6 | 1.5 | L | 10.7 | 7.9 | L | 384.5 |
| SMDH 00260 | 0 | 1 | EXP 525443 | 15 | 19 | 2.2 | L | 1.2 | L | 41 | 3.4 | 0.8 | 27 | 13.4 | 1 | 158 |
| SMDH 00264 | 11 | 11.5 | EXP 525493 | 50 | 6 | 1.3 | L | 0.7 | L | 27.6 | 3.3 | 0.8 | 28.3 | 14 | 1.2 | 177 |
| SMDH 00265 | 1 | 2 | EXP 525495 | 15 | 6 | 2.3 | L | 1.4 | L | 23.8 | 3.7 | 1.1 | 38.5 | 12.9 | 1.2 | 69.2 |

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MEAN | 16.8 | 2.1 | 7.4 | 129177 | 27476.6 | 86.6 | 41901.8 | 14270.6 | 228.2 | 171.9 | 2401 |
| | | | | | MAX | 50 | 6.6 | 36.7 | 343350 | 154375 | 189 | 107625 | 34965 | 834 | 1424 | 6555 |
| | | | | | MIN | 1.9 | 0.5 | 3.7 | 51695 | 292 | 8 | 10408 | 2472 | 52 | 23 | 656 |
| BHID | FROM | TO | SID | Recov% | CRCT_cps | Pb_ppm | Sn_ppm | W_ppm | Al_ppm | Ca_ppm | Cr_ppm | Fe_ppm | Mg_ppm | P_ppm | S_ppm | Ti_ppm |
| SMDH 00013 | 0 | 1 | EXP 524000 | 25 | 3 | | | | | | | | | | | |
| SMDH 00013 | 3 | 4 | EXP 524003 | 70 | 2 | 19.6 | 6.6 | 13.9 | 91418 | 78776 | 53 | 39568 | 19486 | 273 | 140 | 2180 |
| SMDH 00013 | 9 | 10 | EXP 524009 | 70 | 0 | 17.5 | 5.8 | 10.5 | 94248 | 28763 | 142 | 40148 | 15980 | 264 | 168 | 2805 |
| SMDH 00012b | 0 | 1 | EXP 524011 | 40 | 7 | 22.1 | 5.8 | 15.3 | 72958 | 4306 | 48 | 29197 | 5591 | 135 | 175 | 1701 |
| SMDH 00012b | 1 | 2 | EXP 524012 | 50 | 17 | 23.2 | 5.6 | 12.3 | 103964 | 7354 | 123 | 28698 | 8357 | 161 | 136 | 2082 |
| SMDH 00012b | 4 | 5 | EXP 524015 | 70 | 0 | 16.6 | 4.9 | 11.4 | 77767 | 14490 | 69 | 37716 | 15990 | 205 | 250 | 2101 |
| SMDH 00012b | 5 | 6 | EXP 524016 | 70 | 0 | 13 | 4.3 | 10.4 | 77801 | 78559 | 134 | 36081 | 18786 | 297 | 270 | 2139 |
| SMDH 00012b | 6 | 7 | EXP 524017 | 80 | 9 | 8.1 | 3.5 | 6.8 | 124925 | 22059 | 76 | 36291 | 13864 | 310 | 81 | 2120 |
| SMDH 00012b | 8 | 9 | EXP 524019 | 80 | 3 | 25.1 | 4.4 | 7.4 | 83615 | 16508 | 189 | 46428 | 14646 | 547 | 54 | 2866 |
| SMDH 00012b | 9 | 10 | EXP 524020 | 90 | 3 | 12.6 | 4.5 | 6.6 | 103900 | 14797 | 61 | 52531 | 13350 | 550 | 66 | 1907 |
| SMDH 00012b | 10 | 11 | EXP 524021 | 80 | 4 | 18.3 | 4.3 | 8.5 | 107600 | 19447 | 159 | 46733 | 13140 | 341 | 74 | 2085 |
| SMDH 00012b | 11 | 12 | EXP 524022 | 75 | 5 | 10 | 3.1 | 6.5 | 104500 | 13708 | 72 | 61304 | 15410 | 352 | 67 | 2691 |
| SMDH 00012b | 13 | 14 | EXP 524024 | 80 | 2 | 15.1 | 3.2 | 8.6 | 143800 | 20845 | 148 | 48464 | 14970 | 418 | 81 | 2281 |
| SMDH 00012 | 0 | 1 | EXP 524025 | 45 | 6 | 12.7 | 5.9 | 6.7 | 80540 | 3013 | 38 | 28914 | 4084 | 207 | 90 | 1347 |
| SMDH 00012 | 1 | 2 | EXP 524026 | 60 | 2 | 19 | 3.2 | 7.3 | 86540 | 20307 | 147 | 47279 | 11600 | 142 | 211 | 2732 |
| SMDH 00012 | 2 | 3 | EXP 524027 | 65 | 2 | 5.8 | 2.7 | 6.6 | 116500 | 134529 | 54 | 41754 | 17960 | 189 | 225 | 1713 |
| SMDH 00012 | 3 | 4 | EXP 524028 | 70 | 2 | 10.2 | 2.7 | 6.5 | 110300 | 56378 | 161 | 44340 | 14680 | 275 | 126 | 2385 |
| SMDH 00012 | 4 | 5 | EXP 524029 | 75 | 6 | 12.1 | 2.9 | 8.3 | 125600 | 25353 | 75 | 55335 | 24379 | 486 | 106 | 2455 |
| SMDH 00011b | 2 | 3 | EXP 524037 | 85 | 4 | 10.6 | 2.4 | 8.3 | 75989 | 33170 | 157 | 41381 | 16751 | 144 | 79 | 2694 |
| SMDH 00011b | 4 | 5 | EXP 524039 | 90 | 13 | 11.4 | 2.7 | 36.7 | 150700 | 48668 | 64 | 35795 | 16560 | 215 | 75 | 1868 |
| SMDH 00011b | 7 | 8 | EXP 524042 | 60 | 5 | 10.2 | 2.1 | 8.4 | 115200 | 38340 | 165 | 13062 | 7050 | 59 | 25 | 842 |
| SMDH 00011 | 1 | 2 | EXP 524044 | 60 | 5 | 15.2 | 2.5 | 8.6 | 119700 | 27486 | 47 | 34514 | 14659 | 129 | 125 | 2292 |
| SMDH 00010b | 1 | 2 | EXP 524049 | 50 | 2 | 23.2 | 2.9 | 8.9 | 186100 | 25124 | 141 | 49067 | 16065 | 205 | 77 | 2789 |
| SMDH 00010b | 4 | 5 | EXP 524052 | 85 | 9 | 14.5 | 1.8 | 4.6 | 119700 | 31104 | 47 | 35385 | 14423 | 153 | 45 | 2400 |
| SMDH 00010 | 0 | 1 | EXP 524055 | 50 | 6 | 27.7 | 2.7 | 6.5 | 136000 | 4427 | 133 | 34220 | 9819 | 270 | 58 | 2326 |
| SMDH 00010 | 1 | 2 | EXP 524056 | 55 | 0 | 19.8 | 1.6 | 3.7 | 102342 | 14954 | 47 | 41773 | 14051 | 172 | 101 | 2770 |
| SMDH 00010 | 2 | 3 | EXP 524057 | 60 | 5 | 25.7 | 1.6 | 5.6 | 108294 | 45613 | 46 | 32282 | 14569 | 159 | 61 | 2060 |
| SMDH 00009b | 0 | 1 | EXP 524063 | 55 | 12 | 22.8 | 2.5 | 5.5 | 78514 | 7461 | 104 | 47980 | 11318 | 291 | 524 | 3274 |
| SMDH 00009b | 1 | 2 | EXP 524064 | 60 | 7 | 17.3 | 1.5 | 5.2 | 100196 | 17947 | 105 | 38808 | 14738 | 144 | 78 | 2865 |
| SMDH 00009b | 7 | 8 | EXP 524070 | 75 | 11 | 21.5 | 3.5 | 5.8 | 101306 | 19976 | 37 | 37604 | 15086 | 207 | 43 | 2865 |
| SMDH 00009 | 0 | 1 | EXP 524071 | 45 | 3 | 17.7 | 1.9 | 4 | 75702 | 4888 | 132 | 29286 | 8481 | 147 | 51 | 2302 |
| SMDH 00008b | 0 | 1 | EXP 524084 | 50 | 12 | 16.7 | 1.5 | 4.8 | 75998 | 14116 | 45 | 49668 | 11273 | 219 | 178 | 3529 |
| SMDH 00008 | 1 | 2 | EXP 524096 | 65 | 13 | 25.6 | 1.5 | 4.6 | 87764 | 17933 | 139 | 44985 | 13748 | 221 | 131 | 3066 |
| SMDH 00007b | 0 | 1 | EXP 524102 | 45 | 19 | 25 | 2.1 | 5.3 | 264404 | 44254 | 52 | 46277 | 16419 | 181 | 165 | 2074 |
| SMDH 00007b | 1 | 2 | EXP 524103 | 5 | 3 | 20.5 | 2.2 | 4.8 | 283531 | 59556 | 97 | 47601 | 26600 | 133 | 214 | 2331 |
| SMDH 00007 | 1 | 2 | EXP 524110 | 50 | 4 | 15.2 | 1.3 | 7.6 | 343350 | 23100 | 43 | 37353 | 24220 | 125 | 247 | 1985 |
| SMDH 00007 | 2 | 3 | EXP 524111 | 70 | 7 | 12.6 | 1.4 | 9 | 274718 | 49490 | 125 | 35036 | 28105 | 141 | 196 | 1934 |
| SMDH 00006b | 1 | 2 | EXP 524121 | 55 | 27 | 35.7 | 1.3 | 8.6 | 209085 | 7190 | 43 | 42967 | 18200 | 157 | 199 | 2119 |
| SMDH 00006b | 4 | 5 | EXP 524124 | 75 | 17 | 17.7 | 1.2 | 4.8 | 270030 | 43498 | 145 | 31454 | 25480 | 220 | 149 | 1753 |
| SMDH 00006b | 8 | 9 | EXP 524128 | 70 | 19 | 41.5 | 1.7 | 7.7 | 234963 | 13679 | 47 | 43275 | 19810 | 275 | 89 | 2081 |
| SMDH 00006b | 11 | 11.5 | EXP 524131 | 45 | 13 | 31.3 | 2.3 | 6 | 298345 | 18928 | 165 | 48594 | 23730 | 314 | 114 | 2409 |
| SMDH 00005b | 0 | 1 | EXP 524142 | 20 | 20 | 35.8 | 2 | 7.1 | 100378 | 2099 | 58 | 86333 | 3948 | 264 | 123 | 2959 |
| SMDH 00005b | 1 | 2 | EXP 524143 | 25 | 24 | 8.8 | 1.7 | 5.1 | 123509 | 9415 | 103 | 45523 | 16695 | 131 | 219 | 3045 |
| SMDH 00005 | 1 | 2 | EXP 524149 | 40 | 0 | 8.5 | 1.6 | 7.6 | 143171 | 7680 | 55 | 59654 | 18615 | 105 | 132 | 3955 |
| SMDH 00002b | 7 | 7.5 | EXP 524199 | 50 | 0 | 8.7 | 3.1 | 9.9 | 134922 | 88550 | 99 | 23496 | 21450 | 84 | 169 | 1990 |
| SMDH 00001 | 0 | 1 | EXP 524224 | 40 | 13 | 10.3 | 2.5 | 7.3 | 95621 | 2430 | 46 | 42452 | 4980 | 191 | 149 | 3301 |
| SMDH 00205 | 0 | 1 | EXP 524238 | 45 | 18 | 10.6 | 1.7 | 7.5 | 117633 | 2856 | 107 | 37860 | 8892 | 147 | 157 | 2751 |
| SMDH 00205 | 4 | 5 | EXP 524242 | 40 | 0 | 1.9 | 0.9 | 5.5 | 125374 | 117988 | 16 | 20141 | 14735 | 94 | 260 | 1388 |
| SMDH 00206 | 0 | 1 | EXP 524264 | 40 | 7 | 50 | 1.1 | 7.4 | 124545 | 3784 | 117 | 31235 | 9501 | 209 | 71 | 1499 |

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| BHID | FROM | TO | SID | Recov% | CRCT_cps | Pb_ppm | Sn_ppm | W_ppm | Al_ppm | Ca_ppm | Cr_ppm | Fe_ppm | Mg_ppm | P_ppm | S_ppm | Ti_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMDH 00207 | 10 | 10.5 | EXP 524295 | 40 | 3 | 4.6 | 1.1 | 7.6 | 189405 | 36913 | 25 | 27141 | 20535 | 108 | 87 | 1656 |
| SMDH 00211 | 0 | 1 | EXP 524374 | 20 | 21 | 19.5 | 1.5 | 5.4 | 117300 | 3998 | 112 | 64397 | 9635 | 196 | 152 | 2358 |
| SMDH 00213b | 0 | 1 | EXP 524430 | 50 | 11 | 27.3 | 1.4 | 5.3 | 136735 | 2880 | 48 | 61681 | 14465 | 229 | 122 | 2701 |
| SMDH 00213b | 10 | 11 | EXP 524440 | 20 | 5 | 24.4 | 1.2 | 4 | 191475 | 15675 | 148 | 42114 | 19050 | 367 | 57 | 2258 |
| SMDH 00216 | 4 | 5 | EXP 524479 | 40 | 1 | 2.5 | 1.1 | 6 | 183540 | 37425 | 66 | 41788 | 32010 | 154 | 177 | 1675 |
| SMDH 00216b | 0 | 1 | EXP 524489 | 30 | 4 | 14.9 | 1.3 | 5.6 | 164450 | 5961 | 120 | 50714 | 6945 | 198 | 265 | 1888 |
| SMDH 00217 | 0 | 1 | EXP 524504 | 25 | 3 | 8.7 | 1.4 | 4.9 | 182045 | 9270 | 94 | 75527 | 20550 | 125 | 488 | 2640 |
| SMDH 00217 | 2 | 3 | EXP 524506 | 20 | 0 | 9.1 | 1 | 6.8 | 149385 | 22650 | 154 | 41748 | 22893 | 291 | 133 | 2798 |
| SMDH 00217b | 3 | 4 | EXP 524516 | 25 | 2 | 2.1 | 2.3 | 9.6 | 131330 | 154375 | 8 | 11571 | 27430 | 162 | 136 | 783 |
| SMDH 00218 | 6 | 7 | EXP 524527 | 90 | 4 | 4.7 | 1.1 | 5.6 | 198030 | 32175 | 121 | 49161 | 7300 | 834 | 156 | 3233 |
| SMDH 00218b | 0 | 1 | EXP 524539 | 30 | 4 | 12.8 | 1.5 | 8.9 | 124890 | 15775 | 27 | 30597 | 8966 | 232 | 764 | 1551 |
| SMDH 00219 | 0 | 1 | EXP 524548 | 40 | 9 | 16.2 | 1.5 | 8.3 | 148815 | 20650 | 96 | 29713 | 10436 | 236 | 156 | 1824 |
| SMDH 00220 | 1 | 2 | EXP 524566 | 45 | 4 | L | 3.2 | 13.4 | 97842 | 39838 | 47 | 107625 | 27599 | 529 | 196 | 6555 |
| SMDH 00220 | 2 | 3 | EXP 524567 | 90 | 0 | L | 2.2 | 7.2 | 118105 | 122600 | 68 | 89796 | 29081 | 496 | 164 | 6395 |
| SMDH 00015 | 0 | 1 | EXP 524633 | 25 | 8 | 6.5 | 0.7 | 7.4 | 130525 | 7631 | 47 | 30177 | 7322 | 159 | 102 | 1522 |
| SMDH 00014 | 1 | 2 | EXP 524669 | 80 | 8 | 9.2 | 0.8 | 4.4 | 138741 | 9488 | 121 | 49486 | 19513 | 113 | 57 | 3154 |
| SMDH 00033b | 1 | 2 | EXP 524697 | 30 | 4 | 7.8 | 0.8 | 5.4 | 170877 | 12427 | 49 | 33504 | 16016 | 118 | 65 | 2444 |
| SMDH 00032 | 4 | 5 | EXP 524731 | 95 | 7 | 11.2 | 0.9 | 5.2 | 114536 | 50835 | 75 | 10408 | 12055 | 121 | 64 | 953 |
| SMDH 00029b | 2 | 3 | EXP 524784 | 50 | 5 | 6.3 | 0.5 | 6.5 | 96408 | 6930 | 42 | 34948 | 9430 | 148 | 195 | 1400 |
| SMDH 00029b | 3 | 4 | EXP 524785 | 40 | 5 | 8.6 | 1.4 | 6.5 | 85830 | 4758 | 138 | 32788 | 9669 | 189 | 516 | 1643 |
| SMDH 00028b | 0 | 1 | EXP 524795 | 30 | 14 | 13.4 | 1.8 | 9.5 | 109901 | 6789 | 48 | 32648 | 8457 | 183 | 75 | 1972 |
| SMDH 00028b | 8 | 8.5 | EXP 524803 | 20 | 4 | 9.3 | 0.9 | 7.3 | 119995 | 47765 | 76 | 24230 | 17173 | 684 | 94 | 1496 |
| SMDH 00027b | 1 | 2 | EXP 524812 | 20 | 1 | 16.4 | 0.9 | 7.4 | 150792 | 32875 | 29 | 26219 | 14209 | 135 | 83 | 2204 |
| SMDH 00029 | 0 | 1 | EXP 524817 | 20 | 4 | 16.6 | 0.9 | 7 | 162540 | 8449 | 160 | 29038 | 8592 | 166 | 1424 | 1490 |
| SMDH 00026b | 11 | 11.5 | EXP 524849 | 50 | 9 | 8 | 1.7 | 7.8 | 142695 | 23238 | 49 | 50144 | 19305 | 323 | 183 | 2467 |
| SMDH 00023b | 1 | 2 | EXP 524907 | 35 | 0 | 7.1 | 1.1 | 7.7 | 220860 | 3495 | 126 | 47026 | 13553 | 185 | 118 | 2513 |
| SMDH 00023b | 6 | 7 | EXP 524912 | 80 | 3 | 6.5 | 1.1 | 9.2 | 144315 | 61063 | 46 | 38757 | 11408 | 130 | 84 | 1936 |
| SMDH 00022b | 0 | 1 | EXP 524931 | 20 | 5 | 20.6 | 1.5 | 6.9 | 101102 | 3115 | 113 | 87853 | 2472 | 244 | 337 | 1591 |
| SMDH 00022 | 0 | 1 | EXP 524941 | 15 | 3 | 20 | 1.5 | 8.2 | 204930 | 2650 | 59 | 70616 | 3600 | 240 | 207 | 2450 |
| SMDH 00022 | 1 | 2 | EXP 524942 | 25 | 3 | 25.9 | 0.5 | 5 | 177930 | 4385 | 119 | 79066 | 4793 | 185 | 252 | 3179 |
| SMDH 00021 | 0 | 1 | EXP 524958 | 20 | 2 | 4.7 | 0.6 | 4.4 | 193860 | 2116 | 59 | 59371 | 5261 | 177 | 61 | 2500 |
| SMDH 00020 | 3 | 4 | EXP 524975 | 20 | 0 | 9.2 | L | 4 | 51695 | 44418 | 80 | 11223 | 11410 | 52 | 45 | 1054 |
| SMDH 00019b | 0 | 1 | EXP 524980 | 5 | 0 | 37.9 | 1.3 | 6.5 | 83465 | 292 | 62 | 81914 | 3221 | 211 | 111 | 1834 |
| SMDH 00019b | 10 | 11 | EXP 524990 | 98 | 0 | 4.5 | 0.8 | 6.9 | 82122 | 89034 | 144 | 48811 | 22713 | 118 | 204 | 3901 |
| SMDH 00019 | 0 | 1 | EXP 524994 | 30 | 9 | 13.2 | 1 | 7.3 | 149093 | 4333 | 55 | 53938 | 6156 | 155 | 55 | 3000 |
| SMDH 00227 | 0 | 1 | EXP 525078 | 10 | 17 | 18 | 1.2 | 12.9 | 79082 | 664 | 94 | 36108 | 6419 | 149 | 77 | 2873 |
| SMDH 00228 | 0 | 1 | EXP 525088 | 18 | 12 | 26.3 | 3.5 | 5.6 | 134618 | 7729 | 49 | 48474 | 6804 | 181 | 437 | 3667 |
| SMDH 00235 | 8 | 8.5 | EXP 525196 | 50 | 4 | 11.9 | 0.6 | 10 | 83366 | 14003 | 163 | 24808 | 6569 | 184 | 88 | 1668 |
| SMDH 00252 | 5 | 6 | EXP 525255 | 20 | 3 | 49.3 | 1.8 | 7.2 | 111168 | 3559 | 8 | 13161 | 4975 | 515 | 23 | 656 |
| SMDH 00250 | 0 | 1 | EXP 525271 | 20 | 9 | 12.6 | L | 4.8 | 88530 | 4280 | 146 | 34909 | 11409 | 190 | 119 | 2605 |
| SMDH 00248 | 2 | 3 | EXP 525290 | 25 | 15 | 33 | L | 6.7 | 80210 | 12198 | 49 | 39762 | 13973 | 340 | 68 | 3470 |
| SMDH 00244 | 1 | 2 | EXP 525337 | 25 | 16 | 40.1 | L | 5 | 76755 | 6081 | 100 | 48425 | 14204 | 183 | 127 | 3855 |
| SMDH 00243 | 4 | 5 | EXP 525354 | 15 | 20 | 14.7 | 0.5 | 5.1 | 92820 | 47463 | 57 | 42476 | 21344 | 283 | 206 | 3473 |
| SMDH 00241 | 0 | 1 | EXP 525365 | 25 | 25 | 21.3 | 0.9 | 6.2 | 53976 | 587 | 146 | 27366 | 5141 | 275 | 98 | 3462 |
| SMDH 00256 | 3 | 4 | EXP 525400 | 20 | 5 | 14.9 | L | 7.4 | 63583 | 85925 | 33 | 34945 | 34965 | 425 | 616 | 2995 |
| SMDH 00257 | 0 | 1 | EXP 525410 | 15 | 14 | 15.2 | L | 5.9 | 54470 | 19950 | 131 | 25744 | 7783 | 189 | 227 | 2871 |
| SMDH 00257 | 1 | 2 | EXP 525411 | 20 | 18 | 30.8 | 1.3 | 6.9 | 76700 | 34988 | 52 | 34345 | 15755 | 270 | 348 | 3295 |
| SMDH 00257 | 3 | 4 | EXP 525413 | 20 | 4 | 7.4 | L | 5.5 | 74156 | 79475 | 49 | 16123 | 21690 | 80 | 257 | 914 |
| SMDH 00260 | 0 | 1 | EXP 525443 | 15 | 19 | 12.6 | L | 6.9 | 94784 | 12663 | 41 | 35157 | 13489 | 210 | 89 | 2070 |
| SMDH 00264 | 11 | 11.5 | EXP 525493 | 50 | 6 | 17.1 | 0.9 | 7.5 | 67104 | 33500 | 111 | 24034 | 13061 | 135 | 53 | 1459 |
| SMDH 00265 | 1 | 2 | EXP 525495 | 15 | 6 | 20.9 | 1.2 | 7.1 | 108581 | 5951 | 42 | 40862 | 9745 | 132 | 177 | 2245 |

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| | | | | | MEAN | 32.2 | 1.6 |
|---|---|---|---|---|---|---|---|
| | | | | | MAX | 48.8 | 1.8 |
| | | | | | MIN | 19.9 | 1.5 |
| BHID | FROM | TO | SID | Recov% | CRCT_cps | Si_% | BD |
| SMDH 00013 | 0 | 1 | EXP 524000 | 25 | 3 | | |
| SMDH 00013 | 3 | 4 | EXP 524003 | 70 | 2 | 31.1 | |
| SMDH 00013 | 9 | 10 | EXP 524009 | 70 | 0 | 33.1 | |
| SMDH 00012b | 0 | 1 | EXP 524011 | 40 | 7 | 36.5 | |
| SMDH 00012b | 1 | 2 | EXP 524012 | 50 | 17 | 39.5 | 1.59 |
| SMDH 00012b | 4 | 5 | EXP 524015 | 70 | 0 | 33.6 | |
| SMDH 00012b | 5 | 6 | EXP 524016 | 70 | 0 | 26.2 | |
| SMDH 00012b | 6 | 7 | EXP 524017 | 80 | 9 | 30.3 | |
| SMDH 00012b | 8 | 9 | EXP 524019 | 80 | 3 | 32.2 | |
| SMDH 00012b | 9 | 10 | EXP 524020 | 90 | 3 | 35.5 | 1.79 |
| SMDH 00012b | 10 | 11 | EXP 524021 | 80 | 4 | 35.3 | |
| SMDH 00012b | 11 | 12 | EXP 524022 | 75 | 5 | 31.3 | |
| SMDH 00012b | 13 | 14 | EXP 524024 | 80 | 2 | 32.1 | |
| SMDH 00012 | 0 | 1 | EXP 524025 | 45 | 6 | 34.9 | |
| SMDH 00012 | 1 | 2 | EXP 524026 | 60 | 2 | 30.3 | 1.55 |
| SMDH 00012 | 2 | 3 | EXP 524027 | 65 | 2 | 22.9 | |
| SMDH 00012 | 3 | 4 | EXP 524028 | 70 | 2 | 32.3 | |
| SMDH 00012 | 4 | 5 | EXP 524029 | 75 | 6 | 28.3 | |
| SMDH 00011b | 2 | 3 | EXP 524037 | 85 | 4 | 26.8 | |
| SMDH 00011b | 4 | 5 | EXP 524039 | 90 | 13 | 31.1 | 1.65 |
| SMDH 00011b | 7 | 8 | EXP 524042 | 60 | 5 | 26.8 | |
| SMDH 00011 | 1 | 2 | EXP 524044 | 60 | 5 | 26.3 | |
| SMDH 00010b | 1 | 2 | EXP 524049 | 50 | 2 | 27.7 | |
| SMDH 00010b | 4 | 5 | EXP 524052 | 85 | 9 | 31.4 | |
| SMDH 00010 | 0 | 1 | EXP 524055 | 50 | 6 | 34.8 | 1.49 |
| SMDH 00010 | 1 | 2 | EXP 524056 | 55 | 0 | 30.3 | |
| SMDH 00010 | 2 | 3 | EXP 524057 | 60 | 5 | 31.1 | |
| SMDH 00009b | 0 | 1 | EXP 524063 | 55 | 12 | 32.1 | |
| SMDH 00009b | 1 | 2 | EXP 524064 | 60 | 7 | 30 | |
| SMDH 00009b | 7 | 8 | EXP 524070 | 75 | 11 | 28.1 | 1.71 |
| SMDH 00009 | 0 | 1 | EXP 524071 | 45 | 3 | 34.4 | |
| SMDH 00008b | 0 | 1 | EXP 524084 | 50 | 12 | 31.4 | |
| SMDH 00008 | 1 | 2 | EXP 524096 | 65 | 13 | 29.2 | |
| SMDH 00007b | 0 | 1 | EXP 524102 | 45 | 19 | 33.5 | 1.67 |
| SMDH 00007b | 1 | 2 | EXP 524103 | 5 | 3 | 26.3 | |
| SMDH 00007 | 1 | 2 | EXP 524110 | 50 | 4 | 35.6 | |
| SMDH 00007 | 2 | 3 | EXP 524111 | 70 | 7 | 32.3 | |
| SMDH 00006b | 1 | 2 | EXP 524121 | 55 | 27 | 30.7 | |
| SMDH 00006b | 4 | 5 | EXP 524124 | 75 | 17 | 32.5 | |
| SMDH 00006b | 8 | 9 | EXP 524128 | 70 | 19 | 31.8 | 1.63 |
| SMDH 00006b | 11 | 11.5 | EXP 524131 | 45 | 13 | 34.8 | |
| SMDH 00005b | 0 | 1 | EXP 524142 | 20 | 20 | 35.2 | |
| SMDH 00005b | 1 | 2 | EXP 524143 | 25 | 24 | 28.7 | |
| SMDH 00005 | 1 | 2 | EXP 524149 | 40 | 0 | 27.7 | |
| SMDH 00002b | 7 | 7.5 | EXP 524199 | 50 | 0 | 27.7 | 1.77 |
| SMDH 00001 | 0 | 1 | EXP 524224 | 40 | 13 | 47.2 | |
| SMDH 00205 | 0 | 1 | EXP 524238 | 45 | 18 | 33.9 | |
| SMDH 00205 | 4 | 5 | EXP 524242 | 40 | 0 | 26.3 | |
| SMDH 00206 | 0 | 1 | EXP 524264 | 40 | 7 | 33.7 | |

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| BHID | FROM | TO | SID | Recov% | CRCT_cps | Si_% | BD |
|---|---|---|---|---|---|---|---|
| SMDH 00207 | 10 | 10.5 | EXP 524295 | 40 | 3 | 32.9 | 1.67 |
| SMDH 00211 | 0 | 1 | EXP 524374 | 20 | 21 | 27.2 | |
| SMDH 00213b | 0 | 1 | EXP 524430 | 50 | 11 | 25.8 | |
| SMDH 00213b | 10 | 11 | EXP 524440 | 20 | 5 | 33.2 | |
| SMDH 00216 | 4 | 5 | EXP 524479 | 40 | 1 | 28.2 | |
| SMDH 00216b | 0 | 1 | EXP 524489 | 30 | 4 | 26.5 | 1.59 |
| SMDH 00217 | 0 | 1 | EXP 524504 | 25 | 3 | 29.7 | |
| SMDH 00217 | 2 | 3 | EXP 524506 | 20 | 0 | 25.7 | |
| SMDH 00217b | 3 | 4 | EXP 524516 | 25 | 2 | 19.9 | |
| SMDH 00218 | 6 | 7 | EXP 524527 | 90 | 4 | 23.4 | |
| SMDH 00218b | 0 | 1 | EXP 524539 | 30 | 4 | 36.7 | 1.67 |
| SMDH 00219 | 0 | 1 | EXP 524548 | 40 | 9 | 34.4 | |
| SMDH 00220 | 1 | 2 | EXP 524566 | 45 | 4 | 27.8 | |
| SMDH 00220 | 2 | 3 | EXP 524567 | 90 | 0 | 21.6 | |
| SMDH 00015 | 0 | 1 | EXP 524633 | 25 | 8 | 36 | |
| SMDH 00014 | 1 | 2 | EXP 524669 | 80 | 8 | 36.8 | 1.49 |
| SMDH 00033b | 1 | 2 | EXP 524697 | 30 | 4 | 42.3 | |
| SMDH 00032 | 4 | 5 | EXP 524731 | 95 | 7 | 32 | |
| SMDH 00029b | 2 | 3 | EXP 524784 | 50 | 5 | 44.5 | |
| SMDH 00029b | 3 | 4 | EXP 524785 | 40 | 5 | 48.7 | |
| SMDH 00028b | 0 | 1 | EXP 524795 | 30 | 14 | 48.8 | 1.7 |
| SMDH 00028b | 8 | 8.5 | EXP 524803 | 20 | 4 | 40.4 | |
| SMDH 00027b | 1 | 2 | EXP 524812 | 20 | 1 | 42.2 | |
| SMDH 00029 | 0 | 1 | EXP 524817 | 20 | 4 | 33.2 | |
| SMDH 00026b | 11 | 11.5 | EXP 524849 | 50 | 9 | 31.5 | |
| SMDH 00023b | 1 | 2 | EXP 524907 | 35 | 0 | 33.5 | 1.65 |
| SMDH 00023b | 6 | 7 | EXP 524912 | 80 | 3 | 28.3 | |
| SMDH 00022b | 0 | 1 | EXP 524931 | 20 | 5 | 28.2 | |
| SMDH 00022 | 0 | 1 | EXP 524941 | 15 | 3 | 23.9 | |
| SMDH 00022 | 1 | 2 | EXP 524942 | 25 | 3 | 32.6 | |
| SMDH 00021 | 0 | 1 | EXP 524958 | 20 | 2 | 32.3 | 1.61 |
| SMDH 00020 | 3 | 4 | EXP 524975 | 20 | 0 | 38.1 | |
| SMDH 00019b | 0 | 1 | EXP 524980 | 5 | 0 | 38.3 | |
| SMDH 00019b | 10 | 11 | EXP 524990 | 98 | 0 | 28.4 | |
| SMDH 00019 | 0 | 1 | EXP 524994 | 30 | 9 | 30.6 | |
| SMDH 00227 | 0 | 1 | EXP 525078 | 10 | 17 | 35.2 | 1.56 |
| SMDH 00228 | 0 | 1 | EXP 525088 | 18 | 12 | 42.3 | |
| SMDH 00235 | 8 | 8.5 | EXP 525196 | 50 | 4 | 38.5 | |
| SMDH 00252 | 5 | 6 | EXP 525255 | 20 | 3 | 48.2 | |
| SMDH 00250 | 0 | 1 | EXP 525271 | 20 | 9 | 31 | |
| SMDH 00248 | 2 | 3 | EXP 525290 | 25 | 15 | 28.7 | 1.61 |
| SMDH 00244 | 1 | 2 | EXP 525337 | 25 | 16 | 32.6 | |
| SMDH 00243 | 4 | 5 | EXP 525354 | 15 | 20 | 28.5 | |
| SMDH 00241 | 0 | 1 | EXP 525365 | 25 | 25 | 41.5 | |
| SMDH 00256 | 3 | 4 | EXP 525400 | 20 | 5 | 26.9 | |
| SMDH 00257 | 0 | 1 | EXP 525410 | 15 | 14 | 32.2 | 1.72 |
| SMDH 00257 | 1 | 2 | EXP 525411 | 20 | 18 | 31.2 | |
| SMDH 00257 | 3 | 4 | EXP 525413 | 20 | 4 | 24.9 | |
| SMDH 00260 | 0 | 1 | EXP 525443 | 15 | 19 | 30.5 | |
| SMDH 00264 | 11 | 11.5 | EXP 525493 | 50 | 6 | 30.1 | |
| SMDH 00265 | 1 | 2 | EXP 525495 | 15 | 6 | 28.5 | 1.6 |