

**Notes on the Ash Samples prepared by Sing Lau  
2022-23**

**This document only specifies the samples in small vials/ bottles that are measured and recorded into publication. For the other samples during the internship, they are well labelled and stored in cupboards.**

[The paper, methodology and data can be found on https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2023JD039903](https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2023JD039903)

<b>Raw Samples</b>			
Name	Container Type	Description	Reported in Paper?
VA1	Vial	Raw	Yes
VA2	Vial	Raw	Yes
VA3	Vial	Raw	Yes
VA4	Tall Vial	Raw	Yes
VA5	Tall Vial	Raw	Yes
VA6	Vial	Raw	Yes
VA7	Vial	Raw	Yes
VA8	Vial	Raw	Yes
VA9	Vial	Raw	Yes
VA10	Vial	Raw	Yes
VA11	Vial	Raw	Yes
VA12	Vial	Raw	Yes
VA14	Vial	Raw	Yes
VA15	Vial	Raw	Yes
VA16	Vial	Raw	Yes
VA17	Vial	Raw	Yes
VA18	Vial	Raw	Yes
VA19	Vial	Raw	Yes
VA20	Vial	Raw	Yes
VA21	Vial	Raw	Yes
VA22	Vial	Raw	Yes
VA23	Vial	Raw	Yes
VA24	Vial	Raw	Yes
VA14 R2	Vial	Raw, from the second jar	No
VA15 R2	Vial	Raw, from the second jar	No
VA7b	Vial	Raw, from the second jar	No

<b>Aso Sieved (VA1)</b>			
<i>Pre-sieved into &lt;45, &gt;45</i>			
Name	Container	Typ Description	In Paper?
AL	Small jar	Measure size individually	Yes
A0	Tall Vial	2000-4000	Yes
A1	Tall Vial	1000-2000	Yes
A2	Vial	500-1000	Yes
A3	Vial	250-500	Yes
A4	Vial	125-250	Yes
A5	Vial	63-125	Yes
A6	Vial	45-63	Yes
A7	Vial	25-45	Yes
A8	Vial	<25	Yes

<b>Aso Sieved (VA1) (spare set)</b>			
<i>Pre-sieved into &lt;45, &gt;45</i>			
Name	Container	Typ Description	In Paper?
A1	Tall Vial	1000-2000	No
A2	Vial	500-1000	No
A3	Vial	250-500	No
A4	Vial	125-250	No
A5	Vial	63-125	No
A6	Vial	45-63	No
A7	Vial	25-45	No

<b>Grimsvotn (Proximal) Sieved (VA4)</b>			
<i>From raw sample</i>			
Name	Container	Typ Description	In Paper?
gL	Small jar	Measure size	Yes
g0	Tall vial	4000-8000	Yes
g1	Tall Vial	1000-2000	Yes
g2	Vial	500-1000	Yes
g3	Vial	250-500	Yes
g4	Vial	125-250	Yes
g5	Vial	63-125	Yes
g7	Vial	25-63	Yes
g8	Vial	<25	Yes

<b>Grimsvotn (Distal) Sieved (VA5)</b>			
<i>From raw sample</i>			
Name	Container	Typ Description	In Paper?
GL	Small jar	Measure size	Yes
G0	Tall Vial	2000-4000	Yes
G1	Tall Vial	1000-2000	Yes
G2	Vial	500-1000	Yes
G3	Vial	250-500	Yes
G4	Vial	125-250	Yes
G5	Vial	63-125	Yes
G7	Vial	25-63	Yes
G8	Vial	<25	Yes

<b>Eyja Sieved (VA7)</b>			
<i>Pre-sieved into &lt;45, &gt;45</i>			
Name	Container	Ty Description	In Paper?
EL	Small jar	4000-8000	Yes
E0	Tall Vial	2000-4000	Yes
E1	Tall Vial	1000-2000	Yes
E2	Vial	500-1000	Yes
E3	Vial	250-500	Yes
E4	Vial	125-250	Yes
E5	Vial	63-125	Yes
E6	Vial	45-63	Yes
E7	Vial	25-45	Yes
E8	Vial	<25	Yes