

Sample name	Measured final pH	Soluble Ca fraction	Soluble Sr fraction	Soluble Ba fraction	Soluble Mn fraction	Soluble Fe fraction	Soluble Al fraction	Soluble P fraction
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**Averaged fractional solubility values on the 4 experimental replicates**

7a	8.0	4%	5.8%	0.6%	0.6%	0.02%	0.02%	6%
7b	7.8	3%	3.5%	0.4%	0.3%	0.01%	0.01%	3%
7c	8.0	2%	2.8%	0.4%	0.2%	0.01%	0.00%	1%
5a	6.8	3%	2.9%	0.4%	0.5%	0.01%	0.01%	2%
5b	6.7	2%	2.7%	0.5%	0.5%	0.01%	0.01%	3%
5c	6.5	2%	2.2%	0.4%	0.5%	0.01%	0.01%	2%
3a	3.2	31%	32%	12%	8.4%	0.11%	0.22%	24%
3b	3.0	10%	12%	4.2%	3.0%	0.05%	0.07%	8%
3c	3.0	5%	6.8%	2.3%	1.8%	0.03%	0.04%	5%
1a	1.2	8%	10%	5.0%	3.4%	0.30%	1.03%	10%
1b	1.1	1%	1.1%	1.5%	2.2%	0.22%	0.36%	3%
1c	1.1	1%	0.5%	0.8%	1.3%	0.15%	0.20%	2%

**Absolute standard deviations on the 4 experimental replicates**

7a	1.1	2%	2.5%	0.4%	0.3%	0.04%	0.04%	1%
7b	0.8	0.3%	0.3%	0.1%	0.0%	0.03%	0.03%	1%
7c	0.7	0.3%	0.2%	0.1%	0.1%	0.05%	0.06%	1%
5a	0.5	0.3%	0.3%	0.1%	0.0%	0.00%	0.02%	1%
5b	0.3	0.2%	0.2%	0.0%	0.0%	0.03%	0.03%	1%
5c	0.3	0.2%	0.1%	0.0%	0.1%	0.02%	0.03%	1%
3a	0.2	2%	3%	1.3%	1.0%	0.03%	0.03%	3%
3b	0.2	0.8%	0.6%	0.3%	0.3%	0.01%	0.02%	1%
3c	0.2	0.5%	0.4%	0.1%	0.2%	0.00%	0.02%	2%
1a	0.3	3%	3%	1%	0.8%	0.06%	0.14%	3%
1b	0.3	0.3%	0.2%	0.2%	0.5%	0.03%	0.04%	2%
1c	0.2	0.2%	0.1%	0.2%	0.4%	0.03%	0.03%	2%

Measured solubility of batch leaching experiments averaged on the 4 replicates

Element	Composition
Si	15.4%
Al	4.7%
Fe	2.3%
Mn	0.035%
Mg	2.1%
Ca	19.6%
K	1.4%
Ti	0.32%
P	0.044%

Dust elemental composition