

Table B2: Comparison of Leached and Unleached Nd, Sr and Pb isotopes early postglacial lavas collected from Litlavíti Crater

Sample Name	Leached $^{143}\text{Nd}/^{144}\text{Nd}$	Unleached $^{143}\text{Nd}/^{144}\text{Nd}$	Leached $^{87}\text{Sr}/^{86}\text{Sr}$	Unleached $^{87}\text{Sr}/^{86}\text{Sr}$	Leached $^{206}\text{Pb}/^{204}\text{Pb}$
LTLV-09E	0.51303	0.51303	0.70312	0.70312	18.096
LTLV-09D	0.51304	0.51304	0.70311	0.70313	18.112
LTLV-09C	0.51304	0.51305	0.70312	0.70314	18.091
LTLV-09B	0.51301	0.51304	0.70312	0.70312	18.093
LTLV-09A	0.51304	0.51304	0.70312	0.70315	18.096
LTLV-04	0.51304	0.51304	0.70313	0.70312	18.102
LTLV-06	0.51304	0.51304	0.70311	0.70325	18.092
LTLV-05	No Leached Data	0.51303	0.70312	0.70322	18.093
LTLV-10	0.51303	0.51302	0.70314	0.70314	18.083
LTLV-13	No Leached Data	0.51301	0.70316	0.70327	18.072
LTLV-11	0.51303	0.51302	0.70312	0.70317	18.102
LTLV-12	0.51305	0.51303	0.70313	0.70318	18.072
LTLV-03	0.51305	0.51304	0.70314	0.70313	18.082
LTLV-02	0.51301	0.51304	0.70310	0.70324	18.083
LTLV-01	0.51304	0.51303	0.70311	0.70314	18.065
LTLV-01B	0.51302	0.51304	0.70311	0.70315	18.077
LTLV-07	0.51303	0.51302	0.70313	0.70312	18.082
LTLV-08	0.51302	0.51303	0.70313	0.70323	18.080
Average	0.51303	0.51303	0.70312	0.70317	18.087
2σRSD (ppm)	42	38	31	131	1356

Table B2: Compariso

Sample Name	Unleached ²⁰⁶Pb/²⁰⁴Pb	Leached ²⁰⁷Pb/²⁰⁴Pb	Unleached ²⁰⁷Pb/²⁰⁴Pb	Leached ²⁰⁸Pb/²⁰⁴Pb
LTLV-09E	18.101	15.434	15.452	37.796
LTLV-09D	18.109	15.447	15.456	37.823
LTLV-09C	18.082	15.437	15.440	37.802
LTLV-09B	18.101	15.432	15.455	37.790
LTLV-09A	18.099	15.433	15.451	37.791
LTLV-04	18.114	15.442	15.469	37.813
LTLV-06	18.088	15.432	15.442	37.791
LTLV-05	18.084	15.435	15.445	37.797
LTLV-10	18.083	15.433	15.449	37.784
LTLV-13	18.075	15.435	15.463	37.799
LTLV-11	18.048	15.445	15.451	37.813
LTLV-12	No Unleached Data	15.437	No Unleached Data	37.786
LTLV-03	18.054	15.448	15.454	37.813
LTLV-02	18.098	15.440	15.470	37.804
LTLV-01	18.051	15.438	15.455	37.781
LTLV-01B	18.060	15.437	15.450	37.789
LTLV-07	17.979	15.446	15.465	37.807
LTLV-08	No Unleached Data	15.436	No Unleached Data	37.787
Average	18.077	15.438	15.454	37.7980
2σ RSD (ppm)	3967	714	1147	667

Table B2: Compariso

Sample Name	<i>Unleached ²⁰⁸Pb/²⁰⁴Pb</i>
LTLV-09E	37.842
LTLV-09D	37.842
LTLV-09C	37.795
LTLV-09B	37.839
LTLV-09A	37.834
LTLV-04	37.877
LTLV-06	37.809
LTLV-05	37.810
LTLV-10	37.814
LTLV-13	37.846
LTLV-11	37.785
LTLV-12	<i>No Unleached Data</i>
LTLV-03	37.800
LTLV-02	37.887
LTLV-01	37.801
LTLV-01B	37.801
LTLV-07	37.746
LTLV-08	<i>No Unleached Data</i>
<i>Average</i>	<i>37.8204</i>
<i>2σ RSD (ppm)</i>	<i>1957</i>