

Blank measurements made from HF-microwave digestions followed by ICP-MS analysis

All values are the concentration measured in the digestion solution. Blank values in ng/filter can be calculated by multiplying by the final solution weight.

Sample label	Blank type	Final solution weight g	Na µg/L	Mg µg/L	Al µg/L	K µg/L	Ca µg/L	Sc µg/L	Ti µg/L	V µg/L	Cr µg/L	Mn µg/L	Fe µg/L	Co µg/L	Ni µg/L	Cu µg/L	Zn µg/L	Ga µg/L	Rb µg/L	Sr µg/L	Y µg/L	Nb µg/L	Ag µg/L	Cd µg/L	Sn µg/L	Cs µg/L	Ba µg/L	La µg/L	Ce µg/L	Pr µg/L	Nd µg/L	Sm µg/L	Eu µg/L	Gd µg/L	Tb µg/L	Dy µg/L	Ho µg/L	Er µg/L	Tm µg/L	Yb µg/L	Lu µg/L	Pb µg/L	Th µg/L	U µg/L			
GBL	acid only	20.4524	2.95600E+01	6.01000E+00	8.77300E+00		9.33200E+01	0.00000E+00	2.62000E+00	2.57000E-01	9.03000E-01	1.94000E-01	7.76900E+00	2.00000E-03	5.20000E-02	3.42000E-01	1.47800E+00	1.31000E-01	1.06000E-01	2.51700E+00	2.00000E-03	3.30000E-02	4.40000E-02	3.00000E-03	1.27600E+00	1.30000E-02	7.39000E-01	2.00000E-03	1.90000E-02	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.70000E-01	1.00000E-03	1.00000E-02
GCBL	acid only	20.4378	1.13500E+01	2.69700E+00	8.55000E+00		3.91400E+01	6.00000E-03	1.41900E+00	3.10000E-02	8.15000E-01	9.10000E-02	4.24100E+00	2.00000E-03	9.70000E-02	2.03000E-01	1.17500E+00	1.20000E-02	2.00000E-02	1.80000E-01	3.00000E-03	1.50000E-02	1.80000E-02	1.00000E-03	3.90000E-01	2.00000E-03	1.09000E-01	5.00000E-03	2.00000E-02	1.00000E-03	3.00000E-03	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.10000E-02	1.00000E-03	1.00000E-03
T30	acid + clean filter	20.6811	2.29100E+01	5.30200E+00	7.27800E+00	1.50900E+01	7.14700E+01	5.00000E-03	1.96700E+00	6.10000E-02	2.70600E+00	7.30000E-02	3.82400E+00	3.00000E-03	7.82000E-01	1.41000E-01	4.17000E-01	6.40000E-02	3.30000E-02	9.24000E-01	2.00000E-02	3.80000E-02	2.00000E-03	2.00000E-03	3.47400E+00	4.00000E-03	5.62000E-01	8.00000E-03	2.20000E-02	2.00000E-03	5.00000E-03	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	3.00000E-03	1.00000E-03	2.00000E-03	0.00000E+00	2.00000E-03	0.00000E+00	1.26000E-01	2.00000E-03	2.00000E-03			
T43	acid + clean filter	20.1542	1.23900E+01	2.36700E+00	4.39500E+00		2.17500E+01	1.20000E-02	2.12600E+00	4.20000E-02	4.88200E+00	3.20000E-02	4.97900E+00	3.00000E-03	6.50000E-01	1.65000E-01	1.18200E+00	2.50000E-02	1.90000E-02	9.30000E-02	1.00000E-03	9.00000E-03	8.00000E-03	1.00000E-03	9.11000E-01	2.00000E-03	3.40000E-01	2.00000E-03	1.20000E-02	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.00000E-02	1.00000E-03	0.00000E+00	
T57	acid + clean filter	20.2084	3.81200E+02	8.77200E+01	9.55700E+00		6.91800E+01	1.20000E-02	1.13000E+00	1.80000E-02	4.95800E+00	7.10000E-02	2.22800E+00	1.60000E-02	6.43000E-01	4.35000E-01	4.32600E+01	1.50000E-02	2.40000E-02	3.48000E-01	1.00000E-03	6.00000E-03	1.30000E-02	5.00000E-03	4.80000E-01	2.00000E-03	1.06000E-01	3.00000E-03	1.40000E-02	1.00000E-03	3.00000E-03	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.19000E-01	1.00000E-03	1.00000E-03	
T70	acid + clean filter	20.4135	1.63300E+01	3.52200E+00	4.85900E+00		2.48400E+01	1.00000E-03	9.08000E-01	2.10000E-02	4.96400E+00	2.40000E-02	1.82400E+00	4.00000E-03	3.40000E-01	1.55000E-01	7.61000E-01	9.00000E-03	1.20000E-02	1.93000E-01	1.00000E-03	5.00000E-03	6.00000E-03	0.00000E+00	2.59000E-01	1.00000E-03	1.04000E-01	5.00000E-03	1.80000E-02	1.00000E-03	5.00000E-03	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.20000E-02	2.00000E-03	0.00000E+00	
T91	acid + clean filter	22.7979	2.82900E+01	9.25800E+00	6.69200E+01	2.97000E+01	7.98000E+01	1.20000E-02	4.15500E+00	1.21000E-01	4.55400E+00	2.04000E-01	1.95100E+01	9.00000E-03	3.66000E-01	3.17000E-01	1.30700E+00		2.30000E-02	2.03000E-01	7.00000E-03	1.20000E-02	1.30000E-02	2.00000E-03	8.86000E-01	2.00000E-03	1.77000E-01	1.00000E-02	2.70000E-02	2.00000E-03	8.00000E-03	1.00000E-03	0.00000E+00	2.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	5.50000E-02	3.00000E-03	1.00000E-03	
T105	acid + clean filter	20.9188	5.11200E+01	7.58900E+00	2.24200E+01	4.30900E+00	3.62000E+01	3.00000E-03	2.89500E+00	2.43000E-01	3.97400E+00	1.03000E-01	6.31300E+00	8.00000E-03	4.97000E-01	2.19000E-01	3.02400E+00		3.00000E-02	1.33000E-01	4.00000E-03	1.20000E-02	1.80000E-02	1.00000E-03	1.07400E+00	2.00000E-03	1.03000E-01	7.00000E-03	2.90000E-02	2.00000E-03	7.00000E-03	1.00000E-03	0.00000E+00	2.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.60000E-02	1.00000E-03	1.00000E-03	
T120	acid + clean filter	20.0528	2.78500E+01	4.59600E+00	1.96700E+01	1.52500E+01	6.19600E+01	3.00000E-03	2.25400E+00	1.86000E-01	4.03100E+00	1.14000E-01	5.99800E+00	5.00000E-03	3.91000E-01	2.59000E-01	1.29200E+00		4.90000E-02	1.01800E+00	4.00000E-03	1.50000E-02	1.30000E-02	2.00000E-03	1.01900E+00	6.00000E-03	3.15000E-01	6.00000E-03	3.70000E-02	1.00000E-03	5.00000E-03	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57000E-01	1.00000E-03	3.00000E-03		
T135	acid + clean filter	19.7228	2.50600E+01	4.70500E+00	2.41100E+01	3.12100E+01	5.93400E+01	0.00000E+00	2.16000E+00	4.55000E-01	5.58100E+00	9.10000E-02	4.11800E+00	3.00000E-03	3.30000E-01	1.84000E-01	1.78300E+00		1.70000E-02	1.30000E-01	4.00000E-03	4.30000E-02	3.00000E-03	5.06000E-03	8.77000E-01	1.00000E-03	6.10000E-02	7.00000E-03	1.90000E-02	2.00000E-03	6.00000E-03	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.59000E-01	3.00000E-03	0.00000E+00		
T150	acid + clean filter	20.1528	2.05800E+01	2.90600E+00	2.12000E+01	3.62700E+01	1.79800E+01	#####	1.04400E+00	2.07000E-01	8.13200E+00	5.20000E-02	3.99500E+00	4.00000E-03	5.60000E-01	1.43000E-01	3.32000E-01		9.00000E-03	3.00000E-02	3.00000E-03	1.00000E-02	2.00000E-03	1.00000E-03	3.67000E-01	1.00000E-03	2.90000E-02	5.00000E-03	1.60000E-02	1.00000E-03	4.00000E-03	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.50000E-02	1.00000E-03	0.00000E+00		
T165	acid + clean filter	20.0577	3.64700E+01	4.95200E+00	1.37800E+01	1.44400E+01	2.10100E+01	1.00000E-03	1.74500E+00	3.42000E-01	3.93100E+00	4.10000E-02	3.55500E+00	3.00000E-03	3.09000E-01	9.10000E-02	3.86000E-01		1.30000E-02	6.10000E-02	2.00000E-03	9.90000E-02	2.00000E-03	0.00000E+00	3.56000E-01	1.00000E-03	2.80000E-02	5.00000E-03	1.70000E-02	1.00000E-03	3.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.70000E-02	1.00000E-03	0.00000E+00	
T180	acid + clean filter	20.6985	1.77700E+01	9.45000E+00	4.79000E+01	1.95900E+01	9.88400E+01	0.00000E+00	5.80900E+01	1.86000E-01	3.96700E+00	1.26000E-01	6.60700E+00	3.00000E-03	3.09000E-01	1.48000E-01	7.13000E-01		2.90000E-02	2.55000E-01	1.00000E-02	2.28000E-01	2.00000E-03	0.00000E+00	3.20000E-01	2.00000E-03	1.14000E-01	1.50000E-02	3.90000E-02	4.00000E-03	1.40000E-02	2.00000E-03	0.00000E+00	3.00000E-03	0.00000E+00	2.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.40000E-02	7.00000E-03	1.00000E-03	
T195	acid + clean filter	20.6643	4.28000E+01	8.83600E+00	1.57600E+01	1.98600E+01	2.98500E+01	0.00000E+00	2.18800E+01	3.96000E-01	4.25000E+00	4.50000E-02	3.41100E+00	6.00000E-03	3.03000E-01	9.50000E-02	4.39400E+00		2.10000E-02	2.06000E-01	3.00000E-03	7.50000E-02	1.00000E-03	1.00000E-03	3.27000E-01	3.00000E-03	1.17000E-01	8.00000E-03	2.00000E-02	2.00000E-03	7.00000E-03	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.90000E-02	1.00000E-03	0.00000E+00			
T210	acid + clean filter	40.3899	1.22500E+01	3.40500E+00	1.50800E+01	1.09800E+01	3.27800E+01	6.40000E-02	1.72400E+00	7.90000E-02	1.96400E+00	1.13000E-01	8.53500E+00	3.00000E-03	1.87000E-01	1.21000E-01	1.09600E+00		1.60000E-02	9.90000E-02	3.33300E+00	1.00000E-02	8.90000E-02	2.90000E-02	9.30000E-01	2.00000E-03	8.90000E-02	6.00000E-03	1.80000E-02	1.00000E-03	5.00000E-03	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	2.90000E-02	1.00000E-03	0.00000E+00		
T225	acid + clean filter	40.6799	7.37700E+00	1.83900E+00	1.48200E+01	1.31500E+01	1.81900E+01	1.90000E-02	5.19100E+00	1.59000E-01	2.40700E+00	7.30000E-02	7.70700E+00	4.00000E-03	2.32000E-01	1.19000E-01	2.46000E-01		2.10000E-02	4.36000E-01	8.34000E-01	2.60000E-02	2.40000E-02	7.00000E-03	2.65000E-01	3.00000E-03	1.04000E-01	5.00000E-03	1.80000E-02	1.00000E-03	4.00000E-03	0.00000E+00	0.00000E+00	1.00000E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.10000E-02	1.00000E-03	2.00000E-03		
T240	acid + clean filter	41.1606	3.18100E+01	4.81100E+00	1.17900E+01	9.19600E+00	1.80200E+01	5.00000E-03	6.74000E+00	9.10000E-02	2.36800E+00	3.00000E-02	5.92700E+00	3.00000E-03	1.59000E-01	7.40000E-02	1.66700E+00		1.00000																												