Blank measurements made for MQ filter leaches

All values are the concentration measured in the 100 ml solution produced. -- denotes missing data. n.d. means that no analyte peak was visibl

Sample Label	Blank type	Bromide µmol/L	Nitrate (IC) µmol/L	Nitrate (autoanalyser) µmol/L	Silicate µmol/L	Phosphate µmol/L	Ammonium µmol/L
BL1	no filter in apparatus	n.d.	7.258E-02	7.258E-02	--	--	3.500E-02
BL3	no filter in apparatus	--	--	--	--	--	2.000E-02
BL2	New filter	n.d.	1.419E-01	1.419E-01	--	--	3.200E-02
CV23	New filter	n.d.	1.016E-01	4.150E-02	3.480E-01	-3.500E-03	7.000E-03
CV24	New filter	n.d.	1.742E-01	3.250E-02	########	-3.500E-03	2.700E-02
CV35	New filter	n.d.	n.d.	4.850E-02	2.750E-02	5.000E-03	9.000E-02
BL4	New filter	--	--	--	--	--	1.100E-02
CV47	New filter	n.d.	n.d.	3.300E-01	0.000E+00	-1.000E-02	1.000E-02
CV57	New filter	n.d.	n.d.	2.700E-01	0.000E+00	-1.000E-02	<0.1
CV63	New filter	n.d.	n.d.	2.900E-01	0.000E+00	-1.000E-02	3.090E-01
CV76	New filter	n.d.	n.d.	-5.000E-02	3.000E-02	0.000E+00	4.480E-01
CV84	New filter	n.d.	n.d.	-7.000E-02	1.000E-02	-1.000E-02	2.620E-01
CV87	New filter	n.d.	7.097E-02	2.160E-01	########	8.000E-03	4.182E-01
CV88	New filter	n.d.	7.258E-02	-1.690E-01	########	2.000E-03	6.624E-01
CV102	New filter	n.d.	n.d.	-1.635E-01	8.000E-03	1.500E-03	2.593E-01
CV117	New filter	n.d.	n.d.	-2.430E-01	8.000E-03	8.000E-03	4.251E-02
CV131	New filter	n.d.	n.d.	1.176E+00	2.250E-02	6.000E-03	1.247E-01
CV145	New filter	n.d.	n.d.	5.500E-02	########	1.850E-02	<0.1
CV175	New filter	n.d.	1.145E-01	-1.550E-02	9.000E-03	5.500E-03	<0.1
CV197	New filter	--	--	1.870E+00	0.000E+00	1.400E-02	3.474E-02
SL1	New filter	n.d.	n.d.	3.000E-01	1.000E-02	2.000E-03	1.710E-01
SL27	New filter	n.d.	n.d.	2.670E+00	1.000E-02	1.200E-02	2.030E-01
CV180	Procedural blank filter	3.004E-02	1.774E-02	-2.475E-01	1.250E-02	3.000E-03	<0.1
CV187	Procedural blank filter	n.d.	3.323E-01	-2.735E-01	########	2.500E-03	1.217E-01
SL28	Procedural blank filter	n.d.	n.d.	2.680E+00	1.000E-02	1.100E-02	1.414E+00

le for ion chromatography.

Chloride	Sulphate	Na	Mg	Al	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co
µmol/L	µmol/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1.523E+01	n.d.	1.697E-01	4.425E-01	5.265E-01	--	1.595E+00	1.180E-03	1.283E-01	6.790E-03	7.080E-03	1.307E-02	1.351E+00	1.070E-03
--	--	-1.286E+00	9.919E-01	3.868E+00	--	8.646E+00	2.580E-03	9.550E-03	2.010E-03	2.210E-03	2.570E-03	2.984E-01	9.180E-03
3.068E+00	n.d.	1.515E+00	1.133E+00	2.288E+00	--	1.215E+01	-8.800E-04	2.310E-02	7.230E-03	1.977E-02	1.193E-02	8.473E-01	7.000E-04
4.592E-01	n.d.	1.259E+02	1.879E+01	7.596E+00	--	2.673E+01	1.000E-05	1.991E-02	4.920E-03	7.390E-03	5.874E-02	3.436E-01	3.600E-03
2.592E-01	n.d.	-7.032E-01	5.434E-01	4.473E-01	--	6.366E+00	-8.700E-04	-7.130E-03	4.260E-03	5.010E-03	-6.300E-04	1.757E-01	5.000E-04
2.535E-01	n.d.	1.206E+01	2.198E+00	2.184E+00	--	4.985E+00	9.200E-04	3.369E-02	4.000E-03	6.710E-03	1.163E-02	5.389E-01	-5.000E-05
--	--	-8.890E-01	2.965E+00	1.185E+01	--	5.678E+01	-1.870E-03	3.989E-02	8.060E-03	3.341E-02	2.733E-02	6.361E-01	1.130E-03
4.690E+00	2.625E-01	-1.215E+00	5.183E-01	9.791E-01	--	2.913E+00	1.210E-03	-6.820E-03	2.940E-03	4.510E-03	2.420E-03	5.379E-01	3.500E-04
4.676E+00	2.313E-01	-1.388E+00	4.721E-01	5.254E-01	--	4.636E+00	-9.800E-04	-2.170E-02	2.900E-04	3.280E-03	1.800E-04	6.981E-02	-2.200E-04
5.217E+00	1.031E-01	-1.412E+00	4.323E-01	6.529E-01	--	5.183E+00	-7.900E-04	8.510E-03	1.970E-03	2.630E-03	1.008E-02	3.963E-01	-3.000E-05
8.248E+00	1.656E-01	7.255E-01	1.497E+00	1.737E+00	--	3.436E+01	-7.400E-04	9.370E-03	5.090E-03	2.595E-02	2.843E-02	1.377E+00	1.800E-04
5.093E+00	1.260E-01	-3.743E-01	4.890E-01	6.692E-01	--	4.377E+00	-8.500E-04	-7.240E-03	2.780E-03	9.400E-04	2.540E-03	2.047E-01	-4.000E-04
3.158E+00	8.073E-01	1.356E+01	6.348E+00	2.122E+00	--	5.740E+01	2.100E-03	-1.842E-02	4.610E-03	3.180E-03	3.092E-02	1.240E-01	-1.200E-04
8.203E+00	1.740E-01	7.952E-01	6.422E-01	5.557E-01	--	2.219E+01	1.610E-03	-2.476E-02	4.470E-03	7.820E-03	2.640E-03	9.229E-02	2.000E-05
5.200E+01	2.781E-01	--	--	--	--	--	--	--	--	--	--	--	--
4.282E-01	n.d.	1.383E-01	3.783E-01	#########	#########	1.981E+00	-1.400E-04	-1.190E-01	-2.556E-02	5.390E-03	2.670E-03	-2.389E-01	1.000E-05
8.237E+00	1.156E-01	3.347E-01	7.557E-01	1.310E+00	--	3.982E+00	-8.900E-04	2.990E-03	-6.900E-04	1.205E-02	1.014E-02	5.903E-01	1.700E-04
5.468E+00	2.458E-01	5.211E+01	4.744E+00	1.708E+00	--	8.664E+01	-5.900E-04	3.940E-02	6.300E-04	1.077E-02	4.920E-02	4.595E-01	5.800E-04
1.541E+00	n.d.	1.603E+00	4.882E-01	-9.851E-01	#########	1.155E+01	-1.850E-03	-9.081E-02	-1.891E-02	4.410E-03	-2.210E-03	-4.773E-01	-1.000E-05
--	--	7.655E-01	3.840E-01	#########	#########	4.580E-01	-1.210E-03	-1.122E-01	-2.246E-02	5.130E-03	-3.830E-03	1.098E-02	5.000E-05
7.499E+00	n.d.	1.492E+01	2.961E+00	9.133E-01	3.634E+00	4.265E+00	-1.780E-03	9.094E-02	4.500E-04	3.725E-02	2.167E-02	7.435E-01	1.060E-03
--	n.d.	3.509E-01	3.633E-01	-7.812E-01	-7.155E-02	1.071E+00	2.200E-04	-7.223E-02	-1.327E-02	1.880E-03	-1.153E-02	-3.516E-01	-1.600E-04
7.193E+00	1.573E-01	4.511E+00	8.872E-01	-7.969E-01	#########	4.305E+00	-3.500E-04	-6.330E-02	-1.918E-02	4.530E-03	-1.730E-03	-2.455E-01	1.400E-04
9.828E+00	8.229E-02	1.696E+01	1.078E+00	-3.654E-01	#########	3.753E+00	-1.910E-03	-1.031E-01	-2.042E-02	1.461E-02	4.040E-03	-1.149E-01	1.800E-04
9.634E+00	n.d.	8.009E+01	1.088E+01	-6.644E-01	1.578E+00	8.251E+00	6.500E-04	-6.943E-02	-1.135E-02	7.370E-03	1.052E-02	-3.354E-01	1.900E-04

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
3.200E-04	3.831E-02	1.999E-01	1.330E-03	1.310E-03	5.320E-03	1.000E-04	5.670E-03	1.270E-03	3.960E-03	1.169E-01	4.800E-04	1.170E-02	4.800E-04
1.501E-02	8.060E-03	2.367E-01	1.160E-03	6.900E-04	7.990E-03	-1.200E-04	-1.110E-03	-1.400E-04	8.500E-04	1.384E-01	-1.300E-04	1.613E-02	6.700E-04
6.850E-03	4.248E-02	3.122E-01	3.060E-03	2.390E-03	1.119E-02	3.100E-04	4.100E-03	7.500E-04	2.730E-03	1.047E-01	2.200E-04	4.576E-02	6.300E-04
2.668E-02	4.130E-02	2.084E+00	1.816E-02	4.540E-03	1.128E-01	2.900E-04	1.310E-03	4.000E-05	1.371E-01	1.332E-01	2.000E-04	2.316E-01	5.900E-04
2.460E-03	6.314E-02	2.852E-01	1.060E-03	2.310E-03	4.590E-03	-2.500E-04	1.280E-03	-1.000E-05	0.000E+00	9.797E-02	4.000E-05	7.840E-03	4.000E-05
1.228E-02	6.060E-03	1.073E+00	1.450E-03	2.690E-03	1.810E-02	-2.500E-04	-1.900E-04	-3.000E-05	1.872E-02	1.125E-01	1.200E-04	1.658E-02	2.800E-04
1.007E-02	1.051E-01	1.362E+00	1.905E-02	6.380E-03	2.662E-02	1.390E-03	2.620E-03	1.000E-05	0.000E+00	1.074E-01	1.400E-04	2.148E-01	1.960E-03
3.000E-04	5.800E-04	5.726E-02	5.800E-04	9.600E-04	4.490E-03	-2.500E-04	1.610E-03	-1.500E-04	4.000E-04	9.094E-02	-4.000E-05	3.480E-03	4.000E-04
-1.260E-03	-7.520E-03	2.849E-01	2.800E-04	9.200E-04	3.010E-03	-4.000E-05	1.640E-03	-3.800E-04	0.000E+00	1.231E-01	-5.000E-05	8.810E-03	3.000E-05
5.570E-03	-3.000E-04	3.904E-01	2.620E-03	1.690E-03	8.040E-03	9.000E-05	-2.800E-04	-7.000E-05	0.000E+00	9.875E-02	-4.000E-05	2.054E-02	1.200E-04
1.041E-02	1.200E-03	1.192E+00	1.302E-02	4.170E-03	2.411E-02	2.200E-04	1.960E-03	1.000E-05	0.000E+00	1.017E-01	-4.000E-05	1.649E-01	3.700E-04
3.170E-03	-9.550E-03	4.257E-01	8.200E-04	4.800E-04	7.970E-03	-2.500E-04	5.000E-05	-1.600E-04	0.000E+00	9.063E-02	-5.000E-05	2.910E-03	4.000E-05
1.333E-01	4.805E-02	2.270E+00	7.700E-04	2.540E-03	2.551E-01	3.000E-04	-1.000E-04	--	--	--	4.000E-05	6.560E-03	3.500E-04
2.310E-03	-1.108E-02	1.467E+00	1.231E-02	2.320E-03	1.042E-02	2.300E-04	-1.000E-04	--	--	--	0.000E+00	8.186E-02	7.000E-05
--	--	--	--	--	--	--	--	--	--	--	--	--	--
-4.560E-03	-1.410E-03	9.021E-02		-1.200E-04	-6.180E-03	-2.000E-05	-9.900E-04	-6.200E-04	-6.500E-04	2.960E-01	2.000E-05	1.034E-02	8.000E-05
8.700E-04	-3.403E-02	-6.617E-02	3.600E-04	6.000E-04	8.300E-03	2.300E-04	-2.000E-05	--	--	--	4.000E-05	-1.078E-02	1.600E-04
4.672E-02	1.998E-01	1.822E+01	1.178E-02	2.500E-03	9.791E-02	2.120E-03	8.000E-05	--	--	--	1.200E-04	1.312E-01	1.480E-03
6.400E-03	-3.600E-04	5.001E-01	--	-3.800E-04	2.820E-03	6.000E-05	-5.600E-04	-2.600E-04	-3.300E-04	1.374E-01	-2.000E-05	1.180E-02	2.200E-04
9.600E-04	1.601E-02	2.584E-01	--	3.800E-04	-5.050E-03	1.000E-05	-5.400E-04	-6.000E-04	-5.700E-04	2.110E-01	2.000E-05	9.240E-03	1.000E-05
1.349E-02	3.565E-01	3.219E-01	--	2.100E-04	1.437E-02	3.400E-04	8.500E-04	-7.700E-04	1.169E-02	2.064E-01	2.000E-05	2.948E-02	1.500E-04
-2.370E-03	-5.190E-03	6.455E-02	--	-7.700E-04	-3.060E-03	-1.000E-05	-6.100E-04	-5.400E-04	-7.500E-04	2.644E-01	-1.000E-05	9.000E-04	6.000E-05
-9.300E-04	-1.730E-03	1.322E+00	--	-2.400E-04	6.620E-03	1.000E-04	-5.800E-04	-4.900E-04	-9.000E-05	1.612E-01	-2.000E-05	5.900E-01	1.900E-04
1.310E-03	8.850E-03	5.904E-01	--	-1.400E-04	6.170E-03	6.000E-05	-7.800E-04	-5.800E-04	3.230E-03	1.486E-01	-1.000E-05	3.276E-01	3.000E-04
3.400E-04	1.180E-03	9.645E-02	--	4.000E-04	6.685E-02	1.200E-04	-7.200E-04	-7.700E-04	-3.900E-04	1.789E-01	3.000E-05	7.140E-03	3.300E-04

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
8.300E-04	2.000E-05	4.500E-04	2.400E-04	-2.000E-05	8.000E-05	1.000E-05	0.000E+00	1.000E-05	6.000E-05	0.000E+00	7.000E-05	0.000E+00	1.390E-01	1.000E-05	0.000E+00
8.220E-03	1.500E-04	3.600E-04	0.000E+00	-2.000E-05	1.300E-04	1.000E-05	0.000E+00	1.000E-05	0.000E+00	1.000E-05	0.000E+00	0.000E+00	1.143E-02	1.000E-05	8.950E-03
8.900E-04	1.200E-04	0.000E+00	0.000E+00	0.000E+00	2.400E-04	1.000E-05	4.000E-05	1.000E-05	3.000E-05	0.000E+00	0.000E+00	0.000E+00	4.316E-02	-3.000E-05	-1.200E-04
4.500E-04	7.000E-05	3.200E-04	0.000E+00	-4.000E-05	7.000E-05	0.000E+00	8.000E-05	2.000E-05	5.000E-05	0.000E+00	3.000E-05	1.000E-05	5.962E-02	-4.000E-05	-8.000E-05
-7.000E-05	0.000E+00	0.000E+00	0.000E+00	-2.000E-05	0.000E+00	0.000E+00	9.000E-05	0.000E+00	0.000E+00	0.000E+00	4.000E-05	0.000E+00	0.000E+00	-5.000E-05	-2.200E-04
2.200E-04	0.000E+00	0.000E+00	0.000E+00	-2.000E-05	0.000E+00	0.000E+00	4.000E-05	0.000E+00	5.000E-05	0.000E+00	0.000E+00	0.000E+00	1.210E-02	-7.000E-05	-1.600E-04
4.470E-03	6.600E-04	1.620E-03	3.800E-04	-1.000E-05	2.800E-04	2.000E-05	1.800E-04	7.000E-05	1.400E-04	0.000E+00	4.000E-05	5.000E-05	6.260E-03	-4.000E-05	9.400E-04
4.000E-04	5.000E-05	2.200E-04	0.000E+00	-2.000E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.120E-03	-1.000E-05	-1.700E-04
1.000E-04	0.000E+00	0.000E+00	1.200E-04	-2.000E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.400E-04	0.000E+00	-2.000E-04
-4.000E-05	9.000E-05	2.300E-04	0.000E+00	1.000E-05	-1.000E-05	0.000E+00	0.000E+00	2.000E-05	3.000E-05	0.000E+00	0.000E+00	0.000E+00	7.670E-03	-3.000E-05	-2.000E-04
1.420E-03	1.700E-04	5.900E-04	0.000E+00	3.000E-05	2.400E-04	1.000E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.600E-03	-2.000E-05	-1.400E-04
3.900E-04	7.000E-05	1.100E-04	0.000E+00	-2.000E-05	-1.000E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E-05	-2.200E-04	-5.000E-05	-1.900E-04
1.100E-04	4.000E-05	6.000E-05	-1.000E-04	2.000E-05	3.000E-05	-2.000E-05	7.000E-05	1.000E-05	0.000E+00	1.000E-05	7.000E-05	0.000E+00	6.202E-02	-2.000E-05	5.000E-05
-3.500E-04	-3.000E-05	-2.100E-04	-1.000E-05	0.000E+00	-4.000E-05	-2.000E-05	0.000E+00	0.000E+00	0.000E+00	2.000E-05	1.000E-05	0.000E+00	2.140E-03	-2.000E-05	0.000E+00
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4.000E-04	-1.000E-05	8.000E-05	-6.000E-05	-1.000E-05	-9.000E-05	0.000E+00	2.000E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.110E-03	-2.000E-04	3.800E-04
-9.200E-04	-5.000E-05	-8.100E-04	0.000E+00	-4.000E-05	5.000E-05	-7.000E-05	3.000E-05	0.000E+00	-1.000E-05	0.000E+00	0.000E+00	1.000E-05	6.800E-04	-6.000E-05	0.000E+00
3.500E-04	1.000E-04	1.300E-04	2.000E-04	-1.000E-05	1.000E-04	-5.000E-05	3.000E-05	5.000E-05	3.000E-05	1.000E-05	1.900E-04	1.000E-05	4.761E-02	-8.000E-05	2.100E-04
0.000E+00	-2.000E-05	-2.000E-05	-8.000E-05	-1.000E-05	-9.000E-05	-1.000E-05	-1.000E-05	0.000E+00	0.000E+00	0.000E+00	2.000E-05	0.000E+00	2.130E-03	-1.900E-04	2.000E-05
1.800E-04	0.000E+00	4.000E-05	-4.000E-05	-1.000E-05	-8.000E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E-05	1.000E-05	2.640E-03	-2.200E-04	3.000E-05
1.700E-04	-1.000E-05	1.400E-04	-3.000E-05	0.000E+00	-5.000E-05	0.000E+00	3.000E-05	1.000E-05	9.000E-05	0.000E+00	3.000E-05	0.000E+00	7.230E-03	-2.200E-04	1.200E-04
-1.300E-04	-2.000E-05	2.000E-05	-9.000E-05	-2.000E-05	-5.000E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.000E-05	0.000E+00	-5.700E-04	-2.300E-04	-1.000E-05
1.800E-04	0.000E+00	-2.000E-05	-4.000E-05	2.000E-04	-4.000E-05	0.000E+00	-1.000E-05	0.000E+00	1.000E-05	0.000E+00	0.000E+00	1.000E-05	1.670E-03	-2.200E-04	2.000E-05
2.700E-04	0.000E+00	7.000E-05	-8.000E-05	1.100E-04	-7.000E-05	0.000E+00	0.000E+00	0.000E+00	1.000E-05	0.000E+00	0.000E+00	1.000E-05	5.320E-03	-2.200E-04	3.000E-05
2.900E-04	2.000E-05	2.100E-04	-4.000E-05	-2.000E-05	-7.000E-05	1.000E-05	1.000E-05	0.000E+00	0.000E+00	0.000E+00	-1.000E-05	0.000E+00	1.440E-03	-1.900E-04	0.000E+00