

**Dipped (filter) blanks and detection limits for 0.8-51um samples for 142mm filters (nmol/filter)**

Element	Median	SD	RSD	n	DetLimit	DetLim definition (#*SD)	% Samples BD
Ag	9.85E-04	7.78E-04	79%	13	2.33E-03	3	NA
Al	2.08E+01	8.87E+00	43%	15	2.66E+01	3	NA
Ba	2.37E-01	1.08E-01	46%	15	3.25E-01	3	NA
Cd	5.49E-03	2.54E-03	46%	14	7.62E-03	3	1.9%
Co	8.37E-03	1.23E-02	147%	15	3.68E-02	3	NA
Cu	3.42E-01	7.82E-02	23%	14	2.35E-01	3	NA
Fe	7.83E+00	4.29E+00	55%	15	1.29E+01	3	NA
Mn	3.25E-01	1.14E-01	35%	15	3.43E-01	3	NA
Nd	3.81E-03	1.31E-03	34%	15	3.93E-03	3	NA
Ni	1.84E-01	6.45E-02	35%	15	1.93E-01	3	NA
P	2.29E+01	7.48E+00	33%	15	2.24E+01	3	NA
Pb	1.21E-02	3.22E-03	27%	13	9.66E-03	3	NA
Th	3.86E-04	2.28E-04	59%	14	6.83E-04	3	NA
Ti	4.59E+00	4.48E+00	98%	15	4.48E+00	1	3.9%
V	1.62E-01	5.00E-02	31%	15	1.50E-01	3	NA
Y	2.05E-02	1.77E-02	87%	13	5.32E-02	3	NA
Zn	3.93E+00	3.47E+00	88%	15	1.04E+01	3	63.3%

**Dipped (filter) blanks and detection limits for >51um samples (nmol/filter)**

Element	Median	SD	RSD	n	DetLimit	DetLim definition (#*SD)	% Samples BD
Ag	4.58E-04	2.70E-04	59%	17	8.10E-04	3	4.2%
Al	3.89E+01	1.80E+01	46%	15	5.40E+01	3	NA
Ba	2.92E-01	1.65E-01	57%	16	4.96E-01	3	NA
Cd	1.56E-03	8.68E-04	56%	17	2.60E-03	3	3.8%
Co	6.04E-03	4.13E-03	68%	16	1.24E-02	3	NA
Cu	1.58E-01	7.23E-02	46%	17	2.17E-01	3	NA
Fe	8.61E+00	4.90E+00	57%	14	1.47E+01	3	NA
Mn	3.34E-01	2.07E-01	62%	15	6.20E-01	3	NA
Nd	3.08E-03	1.89E-03	61%	15	5.67E-03	3	NA
Ni	1.26E-01	1.28E-01	102%	17	3.83E-01	3	0.9%
P	9.94E+00	2.77E+00	28%	16	8.31E+00	3	NA
Pb	9.45E-03	3.15E-03	33%	17	9.45E-03	3	NA
Th	7.43E-04	4.13E-04	56%	16	1.24E-03	3	0.2%
Ti	3.57E+00	1.57E+00	44%	15	4.72E+00	3	0.4%
V	4.57E-02	1.69E-02	37%	15	5.08E-02	3	NA
Y	9.61E-03	4.34E-03	45%	15	1.30E-02	3	NA
Zn	1.11E+00	5.09E-01	46%	16	1.53E+00	3	16.6%