

Practical Quantitation Limits (PQL's)

ELEMENT	EPA METHOD ¹	SOLUTION (mg/L)	LOW LEVEL (mg/L)	SOILS ² (mg/kg - dry wt)	TISSUES (mg/kg - dry wt)
Al	200.7	10.00	0.50	40.00	1000
B	200.7	2.00	0.20	8.00	200.0
Ba	200.7	1.00	0.10	4.00	100.0
Ca	200.7	20.00	0.25	80.00	2000
Cd	200.7	2.00	0.20	8.00	200.0
Cr	200.7	2.00	0.20	8.00	200.0
Cu	200.7	1.00	0.05	4.00	100.0
Fe	200.7	2.00	0.05	8.00	200.0
K	200.7	5.00	5.00	20.00	500.0
Mg	200.7	10.00	0.10	40.00	1000
Mn	200.7	1.00	0.05	4.00	100.0
Mo	200.7	2.00	0.20	8.00	200.0
Na	200.7	5.00	5.00	20.00	500.0
Ni	200.7	2.00	0.05	8.00	200.0
P	200.7	5.00	0.10	20.00	500.0
Pb	200.7	2.00	0.10	8.00	200.0
Si	200.7	10.00	n/a	40.00	1000
Zn	200.7	1.00	0.05	4.00	100.0
NOx	353.2	0.50	0.50	1.00	n/a
NH ₃	350.1 (mod)	0.50	0.50	1.00	n/a
Total P	365.1	0.01	0.01	n/a	n/a
Ortho P	365.1	0.01	0.01	n/a	n/a
Chloride	325.2	1.00	n/a	n/a	n/a
TKN (HI)	351.2	5.00	n/a	500	2500
TKN (LO)	351.2	0.50	n/a	50	250
TKN (cert)	351.2	n/a	0.50	n/a	n/a
pH	150.1	0.1 SU	0.1 SU	0.1 SU	n/a
EC	120.1	50 umho/cm	50 umho/cm	100 umho/cm	n/a

¹ All EPA method references are for analysis of solutions and/or soil extracts and do not refer to soil preparation methods.

² PQL's are for Mehlich 1 metals extraction and water nutrient extraction. Other extraction procedure may result in different PQL's.