



## EP Analysis Measurement Uncertainty

Technique	Measurement Relative Uncertainty *
Soil EC	5%
Soil pH	0.04 pH units
Soil Organic Carbon (Walkley and Black)	1.2%
Soil Moisture Content	2%
Water TDS	6%
Water TSS	@ 500mg/L 15%
Water pH	0.1 pH units
Water Chloride	<500mg/L 10% 500-2500mg/L 4% >2500mg/L 2%
Water Sulphate	7%
Water Cations Calcium	@48mg/L 11% @915mg/L 4%
Water Cations Magnesium	@ 25mg/L 4% @1206 mg/L 9%
Water Cations Potassium	@50mg/L 2% @499mg/L 3%
Water Cations Sodium	@22mg/L 6% @10300mg/L 2%
Water Alkalinity	<500mg/L 6% 500 – 3000mg/L 12%
Water Turbidity	@ 10NTU 5% @ 29NTU 10% @ 360NTU 13%
Dust Deposition Gauges	Insoluble Solids 14% Ash 19% Combustible Solids 16% Soluble Solids 12% Total Solids 10%
Water PO4	@ 0.5mg/L 8% @ 2.5 mg/L 4% @ 15mg/L 3%

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