



# Method Detection Reporting Limits

## Method 8280

### Soil



Analyte	Method Detection Limit (ppb)	Reporting Limit (ppb)	LCS Criteria Lower Control Limit (%)	LCS Criteria Upper Control Limits (%)	% RPD Limit
2,3,7,8-TCDF	0.027	1.0	50	150	20
2,3,7,8-TCDD	0.036	1.0	50	150	20
1,2,3,7,8-PeCDF	0.066	1.0	50	150	20
2,3,4,7,8-PeCDF	0.064	1.0	50	150	20
1,2,3,7,8-PeCDD	0.049	1.0	50	150	20
1,2,3,4,7,8-HxCDF	0.032	1.0	50	150	20
1,2,3,6,7,8-HxCDF	0.042	2.5	50	150	20
2,3,4,6,7,8-HxCDF	0.042	2.5	50	150	20
1,2,3,7,8,9-HxCDF	0.035	2.5	50	150	20
1,2,3,4,7,8-HxCDD	0.056	2.5	50	150	20
1,2,3,6,7,8-HxCDD	0.021	2.5	50	150	20
1,2,3,7,8,9-HxCDD	0.035	2.5	50	150	20
1,2,3,4,6,7,8-HpCDF	0.021	2.5	50	150	20
1,2,3,4,7,8,9-HpCDF	0.026	2.5	50	150	20
1,2,3,4,6,7,8-HpCDD	0.034	2.5	50	150	20
OCDF	0.081	5.0	50	150	20
OCDD	0.068	5.0	50	150	20

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ppb = parts-per-billion (ug/kg)

Detection limits and reporting limits assume that a 10 gram aliquot of sample is extracted and that 2% of the final extract is injected into the instrument for analysis. Actual detection limits will depend upon the specific levels of chemical interferences that are present in the samples.

Reporting limits are based on analyte concentrations in the final extract equivalent to those in the lowest concentration initial calibration standard.