

25 - VOCs in Soil#

Analyte	Analyst	Method	Result	Units	z score (** z' score)	Assigned Value	Ux AV	SDPA	Exp.SDPA	No of results	Median	Mean	Robust SD	SD
1,2-Dichloroethane	Lab Result	Headspace GC-MS	0.50	mg/kg	-0.54	0.56	0.01	0.112	N/A	25	0.51	0.52	0.104	0.076
1,2-Dichloroethene	Lab Result	Headspace GC-MS	0.57	mg/kg	-0.25	0.60	0.01	0.120	N/A	23	0.58	0.56	0.119	0.163
1,1,1-Trichloroethane	Lab Result	Headspace GC-MS	0.95	mg/kg	0.46	0.87	0.01	0.174	N/A	24	0.81	0.83	0.163	0.215
Trichloroethene	Lab Result	Headspace GC-MS	0.68	mg/kg	-0.21	0.71	0.01	0.142	N/A	24	0.68	0.67	0.148	0.157

This is not included in our UKAS scope of accreditation

26 - Organochlorine Pesticides in Soil#

Analyte	Analyst	Method	Result	Units	z score (** z' score)	Assigned Value	Ux AV	SDPA	Exp.SDPA	No of results	Median	Mean	Robust SD	SD
Aldrin	Lab Result	Toluene Extraction, GC-MS	2.50	mg/kg	0.21	2.40	0.01	0.480	N/A	1	2.50	2.50	0.000	N/A
Alpha Hexachlorocyclohexane	Lab Result	Toluene Extraction, GC-MS	0.90	mg/kg	-1.34	1.23	0.01	0.246	N/A	1	0.90	0.90	0.000	N/A
Beta Hexachlorocyclohexane	Lab Result	Toluene Extraction, GC-MS	2.00	mg/kg	0.46	1.83	0.01	0.366	N/A	1	2.00	2.00	0.000	N/A
Lindane (Gamma HCH)	Lab Result	Toluene Extraction, GC-MS	3.40	mg/kg	-1.41	4.74	0.01	0.948	N/A	1	3.40	3.40	0.000	N/A

This is not included in our UKAS scope of accreditation

** Please note, participant performance for this analyte has been assessed using a z' score, rather than a z score, in order to account for the measurement uncertainty of the assigned value which is not negligible when compared to the SDPA.