

Analytical Test Report	E26/12191/CAS/26-40952	Tested on Behalf of
Clients Project Reference	Pratt-Paddock Viwe, Twycross 4374	Castledine Environmental
Clients Order Number	4374	4 Wymeswold Road
Sample(s) Analysed	2	Hoton
Sample(s) received / instructed	15/09/2026 / 15/09/2026	Loughborough
Sample(s) Tested	15/09/2026 to 28/09/2026	
Report issued	28/09/2026	LE12 5SN
Report issue number	1	

Signed



James Gane
Analytical Services Manager

Notes:

General

This report shall not be reproduced except in full

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples were supplied by customer, results apply to the samples as received.

Samples will be retained for 14 days after issue of this report unless otherwise requested.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Moisture Content was determined in accordance with ECT method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with ECT method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

U = UKAS Accreditation, M = MCERTS Accreditation, N = Unaccredited, SC = Subcontracted

E26/12191/CAS/26-40952

Pratt-Paddock Viwe, Twycross 4374

Analytical Test Results - ENV Analysis Solids

Lab Reference					887149	887150
Client Sample ID					ES1	ES2
Client Sample Location					HP01	HP02
Client Sample Type					ES	ES
Client Sample Number					-	-
Supplier / Source					-	-
Client Material					-	-
Depth - Top (m)					0.2	0.4
Depth - Bottom (m)					0.2	0.4
Date of Sampling					14/09/2026	14/09/2026
Time of Sampling					1144	1117
Sample Matrix					Clay	Clay
Determinant	Code	Units	LOD	Accreditation		
Arsenic	ICPMETS	mg/kg	10	M	< 10	< 10
Cadmium	ICPMETS	mg/kg	0.2	M	0.8	0.8
Chromium (Total)	ICPMETS	mg/kg	1	U	9.5	10
Copper	ICPMETS	mg/kg	2	M	33	32
Lead	ICPMETS	mg/kg	1.5	M	53	55
Mercury	ICPMETS	mg/kg	2.5	U	< 2.5	< 2.5
Nickel	ICPMETS	mg/kg	1	M	15	15
Selenium	ICPMETS	mg/kg	8	N	< 8.0	< 8.0
Zinc	ICPMETS	mg/kg	2	M	85	97
Total Phenols	SKALARPHS	mg/kg	1	M	< 1.0	< 1.0
Chromium (Hexavalent)	SKALARHCS	mg/kg	1	N	< 1.0	< 1.0
pH	PHS	pH units	1	M	6.8	6.9
SOM	TOCS	%	0.86	U	6.1	6.6
Acenaphthene	PAHASRDS	mg/kg	0.02	M	0.15	0.04
Acenaphthylene	PAHASRDS	mg/kg	0.02	U	0.10	0.04
Anthracene	PAHASRDS	mg/kg	0.02	U	0.47	0.12
Benzo[a]anthracene	PAHASRDS	mg/kg	0.02	M	1.4	0.54
Benzo[a]pyrene	PAHASRDS	mg/kg	0.02	M	1.5	0.65
Benzo[b]fluoranthene	PAHASRDS	mg/kg	0.02	M	1.5	0.70
Benzo[ghi]perylene	PAHASRDS	mg/kg	0.02	M	0.94	0.46
Benzo[k]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.66	0.29
Chrysene	PAHASRDS	mg/kg	0.02	M	1.3	0.52
Dibenzo[a,h]anthracene	PAHASRDS	mg/kg	0.02	M	0.24	0.11
Fluoranthene	PAHASRDS	mg/kg	0.02	M	3.4	1.2
Fluorene	PAHASRDS	mg/kg	0.02	M	0.11	0.02
Indeno[1,2,3,-cd]pyrene	PAHASRDS	mg/kg	0.02	M	1.1	0.50
Naphthalene	PAHASRDS	mg/kg	0.02	M	< 0.02	< 0.02
Phenanthrene	PAHASRDS	mg/kg	0.02	M	1.4	0.41
Pyrene	PAHASRDS	mg/kg	0.02	M	2.9	1.1
Total PAH (Sum of USEPA 16)	PAHASRDS	mg/kg	0.32	U	17	6.6

*For details on the specific matrices covered by the determinant please consult the methods p

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Analytical Test Results - SVOCS

Lab Reference					887149	887150
Client Sample ID					ES1	ES2
Client Sample Location					HP01	HP02
Client Sample Type					ES	ES
Client Sample Number					-	-
Supplier / Source					-	-
Client Material					-	-
Depth - Top (m)					0.2	0.4
Depth - Bottom (m)					0.2	0.4
Date of Sampling					14/09/2026	14/09/2026
Time of Sampling					1144	1117
Sample Matrix					Clay	Clay
Determinant	Code	Units	LOD	Accreditation		
1,2,4-Trichlorobenzene	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
1,2-Dichlorobenzene	SVOCS	mg/kg	0.1	N	< 0.1	< 0.1
1,3-Dichlorobenzene	SVOCS	mg/kg	0.1	N	< 0.1	< 0.1
1,4-Dichlorobenzene	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
1-Chloronaphthalene	SVOCS	mg/kg	0.1	N	< 0.1	< 0.1
2,3,4,6-Tetrachlorophenol	SVOCS	mg/kg	0.6	N	< 0.6	< 0.6
2,4,5-Trichlorophenol	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
2,4,6-Trichlorophenol	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
2,4-Dichlorophenol	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
2,4-Dimethylphenol	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
2,4-Dinitrophenol	SVOCS	mg/kg	2	N	< 2.0	< 2.0
2,6-Dichlorophenol	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
2,6-Dinitrotoluene	SVOCS	mg/kg	0.6	N	< 0.6	< 0.6
2-Chlorophenol	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
2-Methylnaphthalene	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
2-Methylphenol	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
2-Nitroaniline	SVOCS	mg/kg	0.4	N	< 0.4	< 0.4
2-Nitrophenol	SVOCS	mg/kg	0.6	N	< 0.6	< 0.6
3,3-Dichlorobenzidine	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
3/4-Methylphenol	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
3-Nitroaniline	SVOCS	mg/kg	0.6	N	< 0.6	< 0.6
4-Chlorophenyl phenyl ether	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
4,6-Dinitro-2-methylphenol	SVOCS	mg/kg	1	N	< 1.0	< 1.0
4-Bromophenyl phenyl ether	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
4-Chloro-3-methylphenol	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
4-Chloroaniline	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
4-Nitroaniline	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
4-Nitrophenol	SVOCS	mg/kg	0.6	N	< 0.6	< 0.6
Aniline	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Azobenzene	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Benzidine	SVOCS	mg/kg	1	N	< 1.0	< 1.0
Benzyl Alcohol	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
Benzyl butyl phthalate	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2

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Client Sample Number					-	-
Supplier / Source					-	-
Client Material					-	-
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Date of Sampling					14/09/2026	14/09/2026
Time of Sampling					1144	1117
Sample Matrix					Clay	Clay
Determinant	Code	Units	LOD	Accreditation		
Bis(2-chloroethoxy)methane	SVOCS	mg/kg	0.1	N	< 0.2	< 0.2
Bis(2-chloroethyl)ether	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Bis(2-ethylhexyl) phthalate	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Dibenzofuran	SVOCS	mg/kg	0.1	N	< 0.1	< 0.1
Dibutyl phthalate	SVOCS	mg/kg	0.1	N	< 0.1	< 0.1
Diethyl Phthalate	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Dimethyl phthalate	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Di-n-octyl phthalate	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Diphenylamine	SVOCS	mg/kg	0.1	N	< 0.1	< 0.1
Hexachlorobenzene	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
Hexachlorobutadiene	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
Hexachlorocyclopentadiene	SVOCS	mg/kg	1	N	< 1.0	< 1.0
Hexachloroethane,	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Isophorone	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Methyl methanesulfonate	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
Nitrobenzene	SVOCS	mg/kg	0.3	N	< 0.3	< 0.3
N-Nitrosodimethylamine	SVOCS	mg/kg	0.2	N	< 0.2	< 0.2
Pentachlorophenol	SVOCS	mg/kg	1	N	< 1.0	< 1.0
Phenol	SVOCS	mg/kg	0.1	N	< 0.1	< 0.1

*For details on the specific matrices covered by the determinant please consult the methods page

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Sample Descriptions

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
887149	ES1	HP01	SOIL	-	Brown sandy gravelly silty clay with occasional organic matter	9.2	40	-
887150	ES2	HP02	SOIL	-	Brown sandy gravelly silty clay with occasional organic matter	13	9.3	-

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Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods Methods

Site addresses where testing is performed: Leicester - 7-11 Harding Street, Leicester, LE1 4DH

Poole - Unit D11, Admiralty Park, Station Road, Holton Heath, Poole, BH16 6HX and Unit 14 Blackhill Rd W, Poole BH16 6LE

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Site	Accredited Matrices	Test Details
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Leicester	SOIL	Determination of metals in soils via ICP
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Leicester	SOIL	Determination of Polyaromatic hydrocarbons in soil via GC-MS
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Leicester	SOIL	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Leicester		Preparation of samples (including determination of moisture content) to allow for subsequent analysis
SKALARHCS	MS - CL - Hexavalent Chromium by Skalar	As received	Passing 10mm test sieve	Leicester		Determination of hexavalent chromium in soil using Skalar segmented flow analyser
SKALARPHS	MS - CL - Phenols by Skalar	As received	Passing 10mm test sieve	Leicester	SOIL	Determination of total phenols in soil using Skalar segmented flow analyser
SVOCS	MS - CL - Semi VOC	As received	Passing 10mm test sieve	Leicester		Determination of Semi volatile organic compounds in soil via GC-MS
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Leicester	SOIL	Determination of Total Organic Carbon in soils