



Photo 7 – TP05 prior to reinstatement with seepage visible.



Photo 8 – TP05 arisings.



Photo 9 – TP06 prior to reinstatement.



Photo 10 – TP06 arisings.



Photo 11 – TP07 prior to reinstatement.



Photo 12 – TP07 arisings.



Photo 13 – TP08 prior to reinstatement.



Photo 14 – TP08 arisings.



Photo 15 – Area of surface sample 2.

APPENDIX D – SITE INVESTIGATION METHOD DETAILS

Intrusive Investigation Methods, Sampling and Insitu Testing

Machine Excavated Trial Pitting

Trial pitting was undertaken using a JCB 3CX with a 600mm wide toothless bucket. The pits were excavated to an approximate target depth of 3.0m bgl, excavation in the upper 1.0m was undertaken in thin layers to reduce the risk of damaging any below ground services or other infrastructure. The pits had approximate dimensions of 0.6m wide and 1.5 – 2.0m in length. Excavation was supervised by an engineering geologist from Onyx Geo throughout. On completion each trial hole was backfilled with arisings in reverse order and left slightly mounded to allow for future settlement.

Soil logging and sampling

The soil recovered from the trial pits was logged and sampled. Logging was undertaken in broad accordance with BS 5930¹² and BS EN ISO 14688¹³ and the are included in Appendix E.

Samples were collected by hand (using dedicated nitrile gloves for each sampling location). Samples were placed into laboratory supplied sampling containers, specific to the type of analyses required.

All sample containers were sealed and labelled with a unique location identity, depth and date of sampling.

Soil sampling

Geotechnical soil samples were targeted to interpret the geological sequence, and to obtain characteristic soils properties and specific geotechnical design parameters, as per the proposed development.

¹² BS 5930:2015+A1:2020 Code of Practice for Ground Investigation

¹³ BS EN ISO 14688 Parts 1-2 (2018) Geotechnical Investigation and Testing. Identification and classification of soil

APPENDIX E – EXPLORATORY LOGS



Trial Pit

TP01

Sheet 1 of 1

Hole Type TP	Easting 514482.51	Northing 118823.05	Ground Level (m) 21.24	Scale 1:25
Project Name Lower Perryland Farm	Project No. ON251030	Start Date 2025-05-06	End Date 2025-05-06	

Client Lower Perrylands Limited	Contractor Spillane Plant	Consultant Onyx Geo Consulting Ltd
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES		20.94	(0.30)		MADE GROUND comprising grey sandy gravel. Gravel is fine to medium concrete, tile, blacktop, and fine to coarse flint and whole bricks.	
		0.40	ES			0.30		Stiff brown to orange brown slightly sandy silty CLAY with occasional medium to coarse subangular flint.	0.5
						(1.10)			1.0
		1.10	PP	250 (kPa)					
		1.10	D		19.84	1.40		Stiff grey to blue grey mottled orange brown slightly silty CLAY. Relict sub-horizontal shear surface (1.50m)	1.5
		1.70	D						
		1.80	PP	250 (kPa)		(1.30)			2.0
									2.5
		2.60	D		18.54	2.70		Abundant selenite crystals. (2.60m)	
						(0.30)		Interbedded extremely weak brown silty MUDSTONE and stiff grey CLAY.	
					18.24	3.00		End of Trial Pit at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit remained dry and stable and was backfilled with arisings on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m TP JCB 3CX Stable	Logger ADC
	Checked By: ADC Approved By: MW Status: FINAL	



Trial Pit

TP02
Sheet 1 of 1

Hole Type TP	Easting 514444.73	Northing 118821.62	Ground Level (m) 20.56	Scale 1:25
Project Name Lower Perryland Farm	Project No. ON251030	Start Date 2025-05-06	End Date 2025-05-06	

Client Lower Perrylands Limited	Contractor Spillane Plant	Consultant Onyx Geo Consulting Ltd
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES		20.46	(0.10) 0.10 (0.15) 0.25		CONCRETE MADE GROUND comprising grey sandy gravel of brick, concrete, tile and flint. ~7cm x ~4cm fragment of suspected ACM corrugated cement (0.10m) Friable orange brown ironstained black slightly sandy gravelly CLAY. Gravel is fine to coarse subangular flint.	0.5
		0.60	ES			(0.65)		Drain pipe encountered (0.60m)	
		0.80	D						
		1.20	PP	260 (kPa)	19.66	0.90		Stiff mottled orange and grey slightly silty to silty CLAY.	1.0
		1.60	D			(1.50)			1.5
		2.10	PP	290 (kPa)					2.0
		2.50	D		18.16	2.40 (0.30)		Extremely weak blue grey and brown laminated MUDSTONE with pockets of clay.	2.5
					17.86	2.70		End of Trial Pit at 2.70m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks A clay drain pipe was encountered at 0.6m bgl in the western end of the pit (undamaged). The pit was extended eastwards to enable continued excavation without damaging the service. Trial pit remained dry and stable and was backfilled with arisings on completion.	Method, Plant, Stability, Dimensions 0.00 - 2.70m TP JCB 3CX Stable			Logger ADC
Checked By: ADC Approved By: MW Status: FINAL				



Trial Pit

TP03

Sheet 1 of 1

Hole Type TP	Easting 514497.82	Northing 118801.13	Ground Level (m) 21.55	Scale 1:25
Project Name Lower Perryland Farm	Project No. ON251030	Start Date 2025-05-06	End Date 2025-05-06	

Client Lower Perrylands Limited	Contractor Spillane Plant	Consultant Onyx Geo Consulting Ltd
------------------------------------	------------------------------	---------------------------------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.10	ES			(0.25)		Grass over light brown slightly sandy clayey silty TOPSOIL with rare fine to medium chalk, gravel and rare medium subrounded flint.	
					21.30	0.25		Light yellowish brown slightly sandy slightly silty clayey SUBSOIL.	
						(0.35)			0.5
					20.95	0.60		Stiff friable orange brown ironstained dark brown to black gravelly slightly sandy CLAY. Gravel is fine to medium occasionally coarse subangular ironstone.	
					20.75	0.80		Firm to stiff mottled orange brown and grey slightly silty CLAY.	
									1.0
		1.20	PP	270 (kPa)					
		1.20	D						
						(1.40)			1.5
									2.0
		2.00	PP	180 (kPa)					
		2.00	D						
					19.35	2.20		Stiff friable grey and dark orange brown slightly silty gravelly CLAY. Gravel is fine extremely weak mudstone.	
						(0.20)			
					19.15	2.40		Arisings recovered damp (2.30m)	
						(0.30)		Extremely weak red brown silty MUDSTONE recovered as fine to medium tabular gravel with pockets of stiff grey clay.	2.5
		2.70	D		18.85	2.70		End of Trial Pit at 2.70m	
									3.0
									5.0

Remarks Trial pit remained dry and stable and was backfilled with arisings on completion.	Method, Plant, Stability, Dimensions 0.00 - 2.70m TP JCB 3CX Stable	Logger ADC
	Checked By: ADC Approved By: MW Status: FINAL	



Trial Pit

TP04

Sheet 1 of 1

Hole Type TP	Easting 514489.90	Northing 118781.54	Ground Level (m) 21.65	Scale 1:25
Project Name Lower Perryland Farm	Project No. ON251030	Start Date 2025-05-06	End Date 2025-05-06	

Client Lower Perrylands Limited	Contractor Spillane Plant	Consultant Onyx Geo Consulting Ltd
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	ES		21.40	0.25		Grass over dessicated grey brown slightly sandy clayey silty TOPSOIL with abundant rootlets.	
						0.35		Brown to orange slightly sandy slightly silty clayey SUBSOIL.	
		0.50	ES		21.05	0.60		Stiff orange brown occasionally mottled grey slightly sandy silty CLAY.	0.5
		0.80	PP	200 (kPa)		(0.60)			1.0
		0.90	D						
					20.45	1.20		Stiff mottled orange brown and grey slightly silty CLAY.	
						(1.00)			1.5
		1.80	PP	270 (kPa)					2.0
		2.10	D		19.45	2.20		Extremely weak blue grey and red brown silty MUDSTONE with thin laminations of light grey silt.	
		2.30	D		19.15	2.50		Very weak orange brown and grey silty MUDSTONE recovered as fine to coarse tabular gravel.	2.5
						(0.30)			
					18.85	2.80		End of Trial Pit at 2.80m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit remained stable and was backfilled with arisings on completion. Arisings were recovered damp below 2.3m but no water ingress was observed.	Method, Plant, Stability, Dimensions 0.00 - 2.80m TP JCB 3CX Stable			Logger ADC
Checked By: ADC Approved By: MW Status: FINAL				



Trial Pit

TP05

Sheet 1 of 1

Hole Type TP	Easting 514474.41	Northing 118792.22	Ground Level (m) 21.11	Scale 1:25
Project Name Lower Perryland Farm	Project No. ON251030	Start Date 2025-05-06	End Date 2025-05-06	

Client Lower Perrylands Limited	Contractor Spillane Plant	Consultant Onyx Geo Consulting Ltd
------------------------------------	------------------------------	---------------------------------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.15	ES		20.91	(0.20)		Grass over grey brown slightly sandy clayey silty TOPSOIL with rootlets.	
						0.20		Light yellow brown silty clayey SUBSOIL.	
					20.71	(0.20)			
						0.40		Stiff orange and grey mottled slightly silty CLAY.	0.5
		1.00	PP	270 (kPa)					1.0
		1.00	D						
		1.40	PP	180 (kPa)				Mottled grey and red brown below (1.30m)	1.5
					(2.10)				
								with fine mudstone gravel below (1.70m)	
		1.90	D						2.0
					18.61	2.50		Extremely weak thinly laminated blue grey MUDSTONE and orange brown very weak MUDSTONE recovered as tabular gravel.	2.5
		2.80	D		18.21	(0.40)			
						2.90		End of Trial Pit at 2.90m	3.0

Remarks Slight groundwater seepage noted at 2.8m bgl. Trial pit remained stable and was backfilled with arisings on completion.	Method, Plant, Stability, Dimensions 0.00 - 2.90m TP JCB 3CX Stable			Logger ADC
Checked By: ADC Approved By: MW Status: FINAL				



Trial Pit

TP06

Sheet 1 of 1

Hole Type TP	Easting 514440.71	Northing 118781.34	Ground Level (m) 20.79	Scale 1:25
Project Name Lower Perryland Farm	Project No. ON251030	Start Date 2025-05-06	End Date 2025-05-06	

Client Lower Perrylands Limited	Contractor Spillane Plant	Consultant Onyx Geo Consulting Ltd
------------------------------------	------------------------------	---------------------------------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.30	ES		20.59	(0.20)		Grass over grey brown slightly sandy clayey silty TOPSOIL with roots and rare flint gravel.	
						0.20		Light yellowish to orange brown friable sandy silty clayey SUBSOIL.	
					20.34	(0.25)			
		1.30 1.30	PP D	260 (kPa)		0.45		Stiff orange mottled light grey slightly sandy silty CLAY with occasional roots.	0.5
					19.39	1.40		Brown to dark red brown slightly clayey to clayey gravelly SAND. Sand is fine to medium. Gravel is medium to coarse subangular flint.	1.5
		2.30 2.30	PP D	180 (kPa)		(0.60)			
					18.79	2.00		Stiff grey and orange brown silty CLAY.	2.0
					18.29	2.50		Very weak red brown and grey slightly silty MUDSTONE recovered as fine to medium gravel.	2.5
		2.80	D						
					17.89	2.90		End of Trial Pit at 2.90m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit remained dry and stable and was backfilled with arisings on completion.	Method, Plant, Stability, Dimensions 0.00 - 2.90m TP JCB 3CX Stable	Logger ADC
	Checked By: ADC Approved By: MW Status: FINAL	



Trial Pit

TP07

Sheet 1 of 1

Hole Type TP	Easting 514418.48	Northing 118787.84	Ground Level (m) 20.43	Scale 1:25
Project Name Lower Perryland Farm	Project No. ON251030	Start Date 2025-05-06	End Date 2025-05-06	

Client Lower Perrylands Limited	Contractor Spillane Plant	Consultant Onyx Geo Consulting Ltd
------------------------------------	------------------------------	---------------------------------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.25	ES			(0.50)		Grass over MADE GROUND comprising slightly silty sandy gravel. Gravel is fine to coarse concrete, tile, flint, brick and frequent whole bricks.	
		0.60	ES		19.93	0.50		Stiff mottled orange brown, red brown and grey slightly silty CLAY.	0.5
		1.20	PP D	300 (kPa)		(1.40)			1.0
		1.20							1.5
		2.00	PP D	250 (kPa)	18.53	1.90		Stiff friable grey and red brown CLAY with frequent bands of red brown extremely weak mudstone.	2.0
		2.00				(0.80)			2.5
		2.80	D		17.73	2.70		Extremely to very weak red brown orange brown and grey silty MUDSTONE.	
						(0.30)			
					17.43	3.00		End of Trial Pit at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit remained dry and stable and was backfilled with arisings on completion.	Method, Plant, Stability, Dimensions 0.00 - 3.00m TP JCB 3CX Stable	Logger ADC

Checked By: ADC Approved By: MW Status: FINAL

APPENDIX F – GEOTECHNICAL LABORATORY TEST RESULTS

GEOLABS Limited
Bucknalls Lane
Garston
Watford
Hertfordshire
WD25 9XX
Tel: +44(0) 1923 892 190

email: admin@geolabs.co.uk
web: www.geolabs.co.uk

Onyx Geo Consulting Ltd
46 Premier House
Victoria Road
Burgess Hill
West Sussex
RH15 9LR

23 May 2025

Report No : GEO/42505/01

Page 1 of 1

For the attention of Mr A Carr

Our ref	GEO / 42505	Date samples received	08/05/2025
Your ref	ON251030	Date written instructions received	07/05/2025
Order ref	ON251030	Date testing commenced	09/05/2025
		Date of sample disposal	20/06/2025

Project **LOWER PERRYLAND FARM, DIAL POST**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	5	Water Content
~	5	Liquid & Plastic Limits
2	~	Geochemical Test Summary
~	3	BRE SD1 Suite B - Natural ground + pyrite

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional and may be subject to change unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory. The results reported are applicable only to the test items received by the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully
on behalf of **GEOLABS Limited**



S Burke
Senior Technician

BS EN ISO 17892-12 : 2018+A2:2022

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

[illegible]

Test Type:	2 - 4 point 80g / 30° fall cone method.
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Sample condition: 1 - As Received
2 - Air Dried
3 - Washed & Air Dried

Checked and Approved by:

S Burke

S Burke - Senior Technician
23/05/2025

Project Number:

GEO / 42505

Project Name:

**LOWER PERRYLAND FARM, DIAL POST
ON251030**



Tested by i2 Analytical : MCERTS / UKAS No 4041

GEOLABSPage 1 of 1
(Ref 1748011931)

APPENDIX G – CHEMICAL LABORATORY TEST RESULTS



Onyx Geo Consulting Ltd
46 Victoria Road
RH159LR

t: 7708988584

e: adam.carr@onyxgeo.co.uk

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

Analytical Report Number : 25-023433

Replaces Analytical Report Number: 25-023433, issue no. 1
Result Correction by Laboratory and Additional Analysis undertaken as per clients request
Units corrected for all Pesticides (GC-MS) analysis on all samples by laboratory
Asbestos Quantification added to samples 538174 and 538176 as per clients request

Project / Site name:	Lower Perryland Farm, Dial Post	Samples received on:	08/05/2025
Your job number:	ON251030	Samples instructed on/ Analysis started on:	08/05/2025
Your order number:	ON251030	Analysis completed by:	21/05/2025
Report Issue Number:	2	Report issued on:	22/05/2025
Samples Analysed:	10 soil samples - 2 bulk samples		

Signed:

Caterina Bentley
Customer service Advisor
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :	soils	- 4 weeks from reporting
	leachates	- 2 weeks from reporting
	waters	- 2 weeks from reporting
	asbestos	- 6 months from reporting
	air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Lab Sample Number				538174	538175	538176	538177	538178
Sample Reference				TP01	TP01	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	0.4	0.1	0.6	0.1
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	44.6	1.9	55.9	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	2.8	18	8.1	16	12
Total mass of sample received	kg	0.1	NONE	0.6	0.7	0.7	0.7	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	Not-detected	Detected	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	SPU	-
Analysis completed	N/A	N/A	N/A	15/05/2025	15/05/2025	15/05/2025	15/05/2025	-
Actinolite detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-
Amosite detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-
Chrysotile detected	Type	N/A	ISO 17025	Detected	-	Detected	-	-
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-
Tremolite detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	< 0.001	-	0.173	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres	-	Asbestos Cement	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.6	8	9.8	8	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.7	2.3	1.5	0.2	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.12	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.38	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.63	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.78	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	0.06	0.07	7.7	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	2.6	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	0.13	0.2	19	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	0.15	0.18	18	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.07	0.1	9	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	0.07	0.13	8.3	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.19	0.15	9.5	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.05	0.07	4.6	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.16	0.12	9.8	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.14	0.08	4.7	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	1.1	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.2	0.12	5.3	< 0.05	-

Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Lab Sample Number				538174	538175	538176	538177	538178
Sample Reference				TP01	TP01	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	0.4	0.1	0.6	0.1
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.22	1.23	102	< 0.80	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.8	14	6.8	29	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.5	0.6	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	27	14	33	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	14	17	13	18	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	24	38	22	27	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	16	11	30	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	1.1	1.7	5.9	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	97	340	300	80	-

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	< 10
Alachlor	µg/kg	10	NONE	-	-	-	-	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	< 10
Omethoate	µg/kg	10	NONE	-	-	-	-	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	< 10
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	< 10
Demeton-O	µg/kg	10	NONE	-	-	-	-	< 10
Demeton-S	µg/kg	10	NONE	-	-	-	-	< 10
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	< 10
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	< 10
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	< 10
Etrinfos	µg/kg	10	NONE	-	-	-	-	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	< 10
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	< 10
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	< 10
Propetamphos	µg/kg	10	NONE	-	-	-	-	< 10
Tecnazene	µg/kg	10	NONE	-	-	-	-	< 10
Aldrin	µg/kg	10	NONE	-	-	-	-	< 10
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Beta-BHC	µg/kg	10	NONE	-	-	-	-	< 10
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	< 10
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	< 10
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	< 10
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	< 10
Carbophenothion	µg/kg	10	NONE	-	-	-	-	< 10
Delta-BHC	µg/kg	10	NONE	-	-	-	-	< 10
Dieldrin	µg/kg	10	NONE	-	-	-	-	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	< 10
Endrin	µg/kg	10	NONE	-	-	-	-	< 10

Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Lab Sample Number				538174	538175	538176	538177	538178
Sample Reference				TP01	TP01	TP02	TP02	TP03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	0.4	0.1	0.6	0.1
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	< 10
Fenthion	µg/kg	10	NONE	-	-	-	-	< 10
Isodrin	µg/kg	10	NONE	-	-	-	-	< 10
Methacrifos	µg/kg	10	NONE	-	-	-	-	< 10
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	< 10
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	< 10
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	< 10
Parathion	µg/kg	10	NONE	-	-	-	-	< 10
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Phorate	µg/kg	10	NONE	-	-	-	-	< 10
Phosalone	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	< 10
Triazophos	µg/kg	10	NONE	-	-	-	-	< 10
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	< 10
Dichlorvos	µg/kg	10	NONE	-	-	-	-	< 10
Dimethoate	µg/kg	10	NONE	-	-	-	-	< 10
Diazinon	µg/kg	10	NONE	-	-	-	-	< 10
Ethion	µg/kg	10	NONE	-	-	-	-	< 10
Fenitrothion	µg/kg	10	NONE	-	-	-	-	< 10
Malathion	µg/kg	10	NONE	-	-	-	-	< 10
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Trifluralin	µg/kg	10	NONE	-	-	-	-	< 10
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Lab Sample Number				538179	538180	538181	538182	538184
Sample Reference				TP04	TP05	TP06	TP07	Surface Sample 2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	0.15	0.3	0.25	None Supplied
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	10.9	60.8
Moisture Content	%	0.01	NONE	16	16	14	11	7.7
Total mass of sample received	kg	0.1	NONE	0.7	0.6	0.7	0.6	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	-	SPU	SPU	SPU
Analysis completed	N/A	N/A	N/A	15/05/2025	-	15/05/2025	15/05/2025	15/05/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.9	-	7.5	7.7	8.2
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.3	-	1.9	3.2	1.6

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.05	-	< 0.05	0.13	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.12	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.08	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.1	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	< 0.05	0.14	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.13	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.11	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	0.12	< 0.05

Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Lab Sample Number				538179	538180	538181	538182	538184
Sample Reference				TP04	TP05	TP06	TP07	Surface Sample 2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	0.15	0.3	0.25	None Supplied
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	-	< 0.80	0.97	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	-	13	9.9	1.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	0.4	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	28	-	25	17	4.2
Copper (aqua regia extractable)	mg/kg	1	MCERTS	19	-	17	14	10
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31	-	25	29	6.1
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	-	17	11	3.1
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	2.3	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	76	-	69	99	37

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	< 10	-	-	-
Alachlor	µg/kg	10	NONE	-	< 10	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	-	-	-
Omethoate	µg/kg	10	NONE	-	< 10	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	< 10	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-O	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-S	µg/kg	10	NONE	-	< 10	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	< 10	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	< 10	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	-	-	-
Etrinfos	µg/kg	10	NONE	-	< 10	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	-	-	-
Propetamphos	µg/kg	10	NONE	-	< 10	-	-	-
Tecnazene	µg/kg	10	NONE	-	< 10	-	-	-
Aldrin	µg/kg	10	NONE	-	< 10	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Beta-BHC	µg/kg	10	NONE	-	< 10	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	< 10	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	< 10	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	< 10	-	-	-
Carbophenothion	µg/kg	10	NONE	-	< 10	-	-	-
Delta-BHC	µg/kg	10	NONE	-	< 10	-	-	-
Dieldrin	µg/kg	10	NONE	-	< 10	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	< 10	-	-	-
Endrin	µg/kg	10	NONE	-	< 10	-	-	-

Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Lab Sample Number				538179	538180	538181	538182	538184
Sample Reference				TP04	TP05	TP06	TP07	Surface Sample 2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	0.15	0.3	0.25	None Supplied
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Fenthion	µg/kg	10	NONE	-	< 10	-	-	-
Isodrin	µg/kg	10	NONE	-	< 10	-	-	-
Methacrifos	µg/kg	10	NONE	-	< 10	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	< 10	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	< 10	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	< 10	-	-	-
Parathion	µg/kg	10	NONE	-	< 10	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Phorate	µg/kg	10	NONE	-	< 10	-	-	-
Phosalone	µg/kg	10	NONE	-	< 10	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	< 10	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	< 10	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	< 10	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	< 10	-	-	-
Triazophos	µg/kg	10	NONE	-	< 10	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	< 10	-	-	-
Dichlorvos	µg/kg	10	NONE	-	< 10	-	-	-
Dimethoate	µg/kg	10	NONE	-	< 10	-	-	-
Diazinon	µg/kg	10	NONE	-	< 10	-	-	-
Ethion	µg/kg	10	NONE	-	< 10	-	-	-
Fenitrothion	µg/kg	10	NONE	-	< 10	-	-	-
Malathion	µg/kg	10	NONE	-	< 10	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Trifluralin	µg/kg	10	NONE	-	< 10	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Lab Sample Number				538183	538185
Sample Reference				Surface Sample	TP01 Suspect ACM ID
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				None Supplied	None Supplied
Date Sampled				06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Bulk Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU
Analysis completed	N/A	N/A	N/A	15/05/2025	15/05/2025
Actinolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Amosite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	Detected	Detected
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Tremolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Asbestos Cement	Asbestos Cement
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U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 25-023433
Project / Site name: Lower Perryland Farm, Dial Post
Your Order No: ON251030

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
538174	TP01	0.20-	230	Loose Fibres	Chrysotile	< 0.001	< 0.001	21/05/2025	SPU
538176	TP02	0.10-	182	Asbestos Cement	Chrysotile	0.173	0.173	21/05/2025	SPU

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.



Analytical Report Number : 25-023433
Project / Site name: Lower Perryland Farm, Dial Post

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
538174	TP01	None Supplied	0.2	Brown loam and sand with gravel and stones
538175	TP01	None Supplied	0.4	Brown clay and sand with gravel and stones
538176	TP02	None Supplied	0.1	Brown loam and sand with gravel and stones
538177	TP02	None Supplied	0.6	Brown clay and sand with gravel
538178	TP03	None Supplied	0.1	Brown clay and loam with gravel
538179	TP04	None Supplied	0.2	Brown clay and loam with gravel
538180	TP05	None Supplied	0.15	Brown loam and clay with gravel and vegetation
538181	TP06	None Supplied	0.3	Brown clay and loam with gravel
538182	TP07	None Supplied	0.25	Brown loam and sand with gravel and stones
538184	Surface Sample	None Supplied	None Supplied	Beige loam and sand with chalk and stones

Analytical Report Number : 25-023433
Project / Site name: Lower Perryland Farm, Dial Post

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Asbestos identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

Site name: Lower Perryland Farm, Dial Post Project No: ON251030																
	Sample Reference				TP01	TP01	TP02	TP02	TP03	TP04	TP05	TP06	TP07	Surface Sample 2	Surface Sample	TP01 Suspect ACM ID
	Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
	Depth (m)				0.2	0.4	0.1	0.6	0.1	0.2	0.15	0.3	0.25	None Supplied	None Supplied	None Supplied
	Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Analytical Parameter	Soil Type				Made Ground	Clay	Made Ground	Clay	Topsoil	Topsoil	Topsoil	Subsoil	Made Ground	Made Ground	Cement fragment	Cement fragment
	Units	Test Limit of detection	Accreditation Status	Test Criteria	Generic Assessment											
Stone Content																
%	0.1	NONE	-	44.6	1.9	55.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	10.9	60.8	-	-	-
Moisture Content																
%	0.01	NONE	-	2.8	18	8.1	16	12	16	16	14	11	7.7	-	-	-
Total mass of sample received																
kg	0.1	NONE	-	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.7	0.6	0.7	-	-	-
Asbestos																
Asbestos In Soil Detected	Type	N/A	ISO 17025	Presence	Detected	Not-detected	Detected	Not-detected	-	Not-detected	-	Not-detected	Not-detected	Not-detected	Detected	Detected
Actinolite detected	Type	N/A	ISO 17025	Presence	Not-detected	-	Not-detected	-	-	-	-	-	-	-	Not-detected	Not-detected
Amosite detected	Type	N/A	ISO 17025	Presence	Not-detected	-	Not-detected	-	-	-	-	-	-	-	Not-detected	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	Presence	Not-detected	-	Not-detected	-	-	-	-	-	-	-	Not-detected	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	Presence	Detected	-	Detected	-	-	-	-	-	-	-	Detected	Detected
Crocidolite detected	Type	N/A	ISO 17025	Presence	Not-detected	-	Not-detected	-	-	-	-	-	-	-	Not-detected	Not-detected
Tremolite detected	Type	N/A	ISO 17025	Presence	Not-detected	-	Not-detected	-	-	-	-	-	-	-	Not-detected	Not-detected
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Presence	Loose Fibres	-	Asbestos Cement	-	-	-	-	-	-	-	Asbestos Cement	Asbestos Cement
Asbestos % by hand picking/weighing																
					< 0.001	-	0.173	-	-	-	-	-	-	-	-	-
Inorganics																
pH	pH Units	N/A	MCERTS		9.6	8	9.8	8	-	6.9	-	7.5	7.7	8.2	-	-
Total Organic Carbon (TOC)																
%	0.1	MCERTS			3.7	2.3	1.5	0.2	-	2.3	-	1.9	3.2	1.6	-	-
Soil Organic Matter (SOM)																
					6.36	3.96	2.58	0.34	-	3.96	-	3.27	5.50	2.75	-	-
PAHs																
Naphthalene	mg/kg	0.05	MCERTS	15	< 0.05	< 0.05	0.12	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.38	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.63	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.78	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	0.06	0.07	7.7	< 0.05	-	< 0.05	-	< 0.05	0.05	< 0.05	-	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	2.6	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	0.13	0.2	19	< 0.05	-	0.05	-	< 0.05	0.13	< 0.05	-	-
Pyrene	mg/kg	0.05	MCERTS	-	0.15	0.18	18	< 0.05	-	< 0.05	-	< 0.05	0.12	< 0.05	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	0.07	0.1	9	< 0.05	-	< 0.05	-	< 0.05	0.08	< 0.05	-	-
Chrysene	mg/kg	0.05	MCERTS	-	0.07	0.13	8.3	< 0.05	-	< 0.05	-	< 0.05	0.1	< 0.05	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	0.19	0.15	9.5	< 0.05	-	< 0.05	-	< 0.05	0.14	< 0.05	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	0.05	0.07	4.6	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	5	0.16	0.12	9.8	< 0.05	-	< 0.05	-	< 0.05	0.13	< 0.05	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	0.14	0.08	4.7	< 0.05	-	< 0.05	-	< 0.05	0.11	< 0.05	-	-
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	1.1	< 0.05	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	0.2	0.12	5.3	< 0.05	-	< 0.05	-	< 0.05	0.12	< 0.05	-	-
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	1.22	1.23	102	< 0.80	-	< 0.80	-	< 0.80	0.97	< 0.80	-	-
Heavy Metals																
Arsenic	mg/kg	1	MCERTS	37	5.8	14	6.8	29	-	14	-	13	9.9	1.7	-	-
Cadmium	mg/kg	0.2	MCERTS	22	0.3	0.5	0.6	< 0.2	-	< 0.2	-	< 0.2	0.4	< 0.2	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	21	< 1.8	< 1.8	< 1.8	< 1.8	-	< 1.8	-	< 1.8	< 1.8	< 1.8	-	-
Chromium	mg/kg	1	MCERTS	810	16	27	14	33	-	28	-	25	17	4.2	-	-
Copper	mg/kg	1	MCERTS	2,400	14	17	13	18	-	19	-	17	14	10	-	-
Lead	mg/kg	1	MCERTS	200	24	38	22	27	-	31	-	25	29	6.1	-	-
Mercury	mg/kg	0.3	MCERTS	200	< 0.3	< 0.3	< 0.3	< 0.3	-	< 0.3	-	< 0.3	< 0.3	< 0.3	-	-
Nickel	mg/kg	1	MCERTS	130	11	16	11	30	-	16	-	17	11	3.1	-	-
Selenium	mg/kg	1	MCERTS	250	1.1	1.1	1.7	5.9	-	< 1.0	-	2.3	< 1.0	< 1.0	-	-
Zinc	mg/kg	1	MCERTS	3,700	97	340	300	80	-	76	-	69	99	37	-	-
Pesticides																
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Alachlor	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Omethoate	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Etrifos	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Pyrimphos-ethyl	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Aldrin	µg/kg	10	NONE	LOD	-	-	-	-	< 10	-	< 10	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	LOD	-	-	-	-	<							

