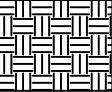
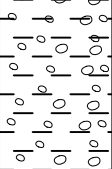
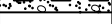
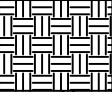
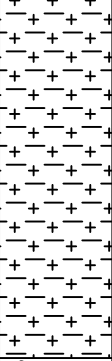
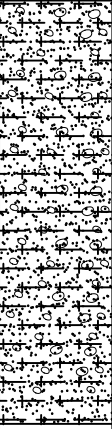
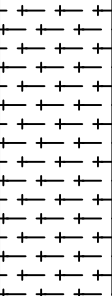
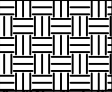


General Remarks: 1) Borehole stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Borehole terminated at 4.00m due to reaching rig maximum drilling depth. 5) Borehole backfilled with arisings upon completion.		Plant Used: Premier Compact 110 (Regional Drilling Ltd)
Dimensions:		

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS18			
Job Number:		Date Logged:		Logged By:		Checked By:		Coordinates:		Ground Level:		Scale:	
PJSG21-58		13/01/2022		NB		VH		444648, 291980		-		1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
1.00	SPT	N = 7 (1,0/1,1,2,3)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.							
				(0.60)		Soft brown gravelly CLAY. Gravel is angular to rounded, fine of lignites and occasional quartz.							
				0.90		Loose yellow wet gravelly very clayey SAND. Gravel is angular to rounded, fine to coarse of sandstone, chalk, white limestone and quartz.							
2.00	SPT	N = 21 (3,4/5,5,5,6)		(4.10)		Poor recovery between 1.90 - 5.00m. Becoming medium dense at 2.00m.							
3.00	SPT	N = 31 (4,6/7,7,8,9)				Becoming dense at 3.00m.							
4.00	SPT	N = 29 (5,7/7,7,8,7)				Becoming medium dense at 4.00m.							
5.00	SPT	N = 23 (6,5/4,5,6,8)		5.00		Borehole Terminated @ 5.00m							
General Remarks: 1) Borehole stable. 2) No groundwater encountered. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole backfilled with arisings upon completion.													
Dimensions:						Plant Used: DART (Regional Drilling Ltd)							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk			Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS19			
Job Number: PJSG21-58		Date Logged: 16/12/2021		Logged By: VH		Checked By: NB		Coordinates: 444828, 291914		Ground Level: -		Scale: 1:25	
Sheet 1 of 1													
Samples & In-Situ Testing			Strata Details										
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description					Water	Backfill	
1.00	SPT	N = 9 (1,1/2,2,2,3)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.							
				(0.50)		Firm brown slightly gravelly sandy CLAY. Gravel is rounded, fine of quartz.							
				(0.80)		Firm medium strength brown slightly silty CLAY.							
2.00	SPT	N = 13 (2,3/3,3,4,3)		(1.20)		Becoming firm and sandy from 1.50m.							
				2.00		Firm medium strength dark grey gravelly CLAY. Gravel sub-angular to sub-rounded, fine to medium of mudstone, chalk and quartz.							
				(0.60)		Stiff high strength dark grey sandy gravelly silty CLAY. Gravel sub-angular to sub-rounded, fine to medium of mudstone, chalk and quartz.							
3.00	SPT	N = 18 (3,3/4,4,3,4)		(1.40)									
				2.60									
				4.00									
4.00	SPT	N = 13 (2,2/2,3,4,4)		(1.00)		Firm medium strength dark grey slightly silty CLAY.							
				5.00		Borehole Terminated @ 5.00m							
5.00	SPT	N = 23 (3,4/4,6,6,7)											
General Remarks: 1) Borehole stable. 2) Groundwater encountered at 4.00m. 3) No evidence of contamination identified. 4) Borehole terminated at 5.00m due to rig refusal. 5) Borehole backfilled with arisings upon completion.													
Dimensions:						Plant Used: Premier Compact 110 (Regional Drilling Ltd)							

 GEOTECHNICAL ENGINEERS Delivering Innovative Solutions PJS Geotechnical Engineers Limited, Unit 4 Winking Hill Farm, Kingston on Soar, Nottingham, NG11 0DP. Registered Number: 11882468 Tel: 0115 704 3950 Email: Enquiries@pjs-geo.co.uk	Site Name: Lutterworth Road, Burbage.				Client: Davidsons Homes			Trial Pit ID: WS20 Sheet 1 of 1
	Job Number:	Date Logged:	Logged By:	Checked By:	Coordinates:	Ground Level:	Scale:	
	PJSG21-58	16/12/2021	VH	NB	444842, 291925	-	1:25	

Samples & In-Situ Testing			Strata Details					
Depths	Type	Test Results	Reduced Level	Depth (Thickness)	Legend	Strata Description	Water	Backfill
1.00	SPT	N = 4 (1,1/1,1,1,1)		(0.30)		Grass over brown sandy TOPSOIL. Frequent rootlets.		
				(0.40)		Firm brown slightly sandy gravelly CLAY. Gravel is rounded, fine of quartz.		
				(0.20)		Firm orangeish brown very sandy gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz.		
				(0.50)		Soft low strength orangeish brown very sandy gravelly CLAY. Gravel is sub-angular to sub-rounded, fine to coarse of quartz.		
2.00	SPT	N = 16 (3,3/3,3,5,5)		(0.90)		Medium dense orangeish brown very gravelly clayey SAND. Gravel is sub-angular to sub-rounded, fine to coarse of quartz.		
				(0.70)		Medium dense to dense brown gravelly clayey SAND. Gravel is sub-angular to sub-rounded, fine to coarse of quartz and chalk.		
3.00	SPT	N = 50 (8,12/12,13,15,10/45mm)		3.00		Borehole Terminated @ 3.00m		

General Remarks:

- 1) Borehole stable.
- 2) Groundwater encountered at 2.00m.
- 3) No evidence of contamination identified.
- 4) Borehole terminated at 3.00m due to rig refusal.
- 5) Borehole installed with gas and groundwater monitoring ancillaries.

Dimensions:	Plant Used: Premier Compact 110 (Regional Drilling Ltd)
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Appendix C: Chemical Testing Results



**Anthony Owen**

Exploration & Testing Associates Limited
3 Siskin Drive
Middlemarch Business Park
Coventry
CV3 4FJ

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

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

e: results@explorationtesting.uk

Analytical Report Number : 21-30494

Replaces Analytical Report Number: 21-30494, issue no. 1
Client references/information amended.

Project / Site name:	Lutterworth Road, Burbage	Samples received on:	21/12/2021
Your job number:	C10222	Samples instructed on/ Analysis started on:	21/12/2021
Your order number:	PO-1855	Analysis completed by:	20/01/2022
Report Issue Number:	2	Report issued on:	20/01/2022
Samples Analysed:	12 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
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

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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: 21-30494

Project / Site name: Lutterworth Road, Burbage

Your Order No: PO-1855

Lab Sample Number				2123966	2123967	2123968	2123969	2123970
Sample Reference				TP01	TP04	TP06	TP06	TP09
Sample Number				1	1	1	2	1
Depth (m)				0.20	0.20	0.20	0.50	0.20
Date Sampled				16/12/2021	15/12/2021	16/12/2021	16/12/2021	15/12/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	20	18	15	15
Total mass of sample received	kg	0.001	NONE	1.4	1.4	1.4	1.5	1.4

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA	DSA		DSA

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.2	6.9	7.0	7.9	6.8
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.011	0.010	0.0086	0.0080	0.014
Organic Matter (automated)	%	0.1	MCERTS	4.7	3.8	4.4	1.1	3.5

Speciated PAHs

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

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.6	7.9	8.8	8.9	8.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	20	17	21	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	24	22	27	20	23
Lead (aqua regia extractable)	mg/kg	1	MCERTS	45	35	49	19	75
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	16	16	23	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	75	63	69	49	66

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-30494

Project / Site name: Lutterworth Road, Burbage

Your Order No: PO-1855

Lab Sample Number				2123971	2123972	2123973	2123974	2123975
Sample Reference				TP15	TP15	TP16	TP16	TP18
Sample Number				1	2	1	2	1
Depth (m)				0.20	0.50	0.20	0.50	0.20
Date Sampled				15/12/2021	15/12/2021	16/12/2021	16/12/2021	16/12/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	15	13	13	12
Total mass of sample received	kg	0.001	NONE	1.4	1.4	1.4	1.4	1.4

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA		DSA		DSA

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.2	7.4	5.7	6.3	5.7
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.040	0.021	0.0097	0.0027	0.0083
Organic Matter (automated)	%	0.1	MCERTS	3.2	1.3	5.1	1.5	5.3

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.20	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.33	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.32	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	0.85	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.2	7.8	11	9.7	12
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	18	18	19	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	22	24	22	27
Lead (aqua regia extractable)	mg/kg	1	MCERTS	42	15	58	20	91
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	18	15	16	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	72	45	76	56	82

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-30494

Project / Site name: Lutterworth Road, Burbage

Your Order No: PO-1855

Lab Sample Number				2123976	2123977
Sample Reference				TP20	WS03
Sample Number				1	1
Depth (m)				0.20	0.10
Date Sampled				16/12/2021	16/12/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	18
Total mass of sample received	kg	0.001	NONE	1.4	1.4

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.6	7.4
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0063	0.0085
Organic Matter (automated)	%	0.1	MCERTS	3.0	3.7

Speciated PAHs

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

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	8.0
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	NONE	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	23	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31	40
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	77	59

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-30494

Project / Site name: Lutterworth Road, Burbage

* 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 *
2123966	TP01	1	0.2	Brown clay and loam with gravel and vegetation.
2123967	TP04	1	0.2	Brown clay and loam with gravel and vegetation.
2123968	TP06	1	0.2	Brown clay and loam with gravel and vegetation.
2123969	TP06	2	0.5	Brown clay and sand with gravel.
2123970	TP09	1	0.2	Brown loam and clay with vegetation.
2123971	TP15	1	0.2	Brown loam and clay with vegetation.
2123972	TP15	2	0.5	Brown loam and clay.
2123973	TP16	1	0.2	Brown loam and clay with vegetation.
2123974	TP16	2	0.5	Brown loam and clay with vegetation.
2123975	TP18	1	0.2	Brown loam and clay with vegetation.
2123976	TP20	1	0.2	Brown loam and clay with vegetation.
2123977	WS03	1	0.1	Brown loam and clay with vegetation.

Analytical Report Number : 21-30494

Project / Site name: Lutterworth Road, Burbage

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
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.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	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
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.	L019-UK/PL	D	NONE
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' 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.



ANALYTICAL TEST REPORT

Contract no: 104346(1)

Contract name: Lutterworth Road, Burbage

Client reference: C10222

Clients name: Exploration & Testing Associates

Clients address: Unit 8B
Bowburn South Industrial Estate
Durham
DH6 5AD

Samples received: 07 January 2022

Analysis started: 07 January 2022

Analysis completed: 11 January 2022

Report issued: 21 January 2022

This is a supplementary report to report number 104346 issued 11 January 2022.

Key

U	UKAS accredited test
M	MCERTS & UKAS accredited test
\$	Test carried out by an approved subcontractor
I/S	Insufficient sample to carry out test
N/S	Sample not suitable for testing

Approved by:

Rachael Burton
Reporting Team Lead

Chemtech Environmental Limited

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
104346-1	TP02	1.00	Sandy Loamy Clay	-	-	22.3
104346-2	TP05	2.40	Sandy Loamy Clay	-	-	16.6
104346-3	TP09	1.10	Sandy Loamy Clay	-	-	17.1
104346-4	TP12	3.20	Sandy Loamy Clay	-	-	13.6
104346-5	TP16	2.00	Sandy Loamy Clay	-	-	15.3