

Bramble Environmental Limited

3 Bramble Close

Stainton,

14/04/2026 / 14/04/2026

14/04/2026 to 23/04/2026

TS8 9FE.

1

Report 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 with the exception of the asbestos test portion which is held for 6 months 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 CTS 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 CTS 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

Please note: Where further analysis is required, samples identified as containing asbestos are screened and tested on an as received basis. No correction is made for moisture content and other than the asbestos test(s) these results are not covered by our accreditation.

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

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

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sample testing

Analytical Test Results - ENV Analysis Solids

Lab Reference					756529	756530
Client Sample ID					KTSC - 2/4	KTSC - 8/4
Client Sample Location					DH9 9UY	DH9 9UY
Client Sample Type					Fines	Fines
Client Sample Number					-	-
Depth - Top (m)					-	-
Depth - Bottom (m)					-	-
Date of Sampling					10/04/2026	10/04/2026
Time of Sampling					-	-
Sample Matrix					Sand	Sand
Determinant	Code	Units	LOD	Accreditation		
Arsenic	ICPMETS	mg/kg	10	M	< 10	< 10
Boron (Water Soluble)	WSBORONS	mg/kg	2.5	N	2.7	3.2
Cadmium	ICPMETS	mg/kg	0.2	M	0.7	0.7
Chromium (Total)	ICPMETS	mg/kg	1	U	15	12
Copper	ICPMETS	mg/kg	2	M	94	82
Lead	ICPMETS	mg/kg	1.5	M	170	180
Mercury	ICPMETS	mg/kg	2.5	U	< 2.5	< 2.5
Nickel	ICPMETS	mg/kg	1	M	19	17
Selenium	ICPMETS	mg/kg	8	N	< 8.0	< 8.0
Zinc	ICPMETS	mg/kg	2	M	210	210
Total Phenols	SKALARPHS	mg/kg	1	M	< 1.0	< 1.0
Cyanide (Total)	SKALARCNS	mg/kg	1	M	< 1.0	< 1.0
Cyanide (Free)	SKALARCNS	mg/kg	1	N	< 1.0	< 1.0
Acid Soluble Sulphate	ASSO4S	%	0.01	N	5.67	6.51
pH	PHS	pH units	1	M	7.8	7.8
Water Soluble Sulphate (as SO4)	ANIONSS	mg/L	10	N	1900	1900
Sulphide	SULPHIDES	mg/kg	15	N	41	45
Sulphur (Elemental)	ESULS	mg/kg	40	N	< 40	< 40
Thiocyanate	ANIONSS	mg/kg	5	N	< 5.0	< 5.0
Asbestos	ASB	p/a	-	U	No Asbestos Detected	No Asbestos Detected
Acenaphthene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20
Acenaphthylene	PAHASRDS	mg/kg	0.02	U	< 0.20	< 0.20
Anthracene	PAHASRDS	mg/kg	0.02	U	< 0.20	< 0.20
Benzo[a]anthracene	PAHASRDS	mg/kg	0.02	M	0.71	0.56
Benzo[a]pyrene	PAHASRDS	mg/kg	0.02	M	0.64	0.53
Benzo[b]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.71	0.63
Benzo[ghi]perylene	PAHASRDS	mg/kg	0.02	M	0.45	0.39
Benzo[k]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.33	0.27
Chrysene	PAHASRDS	mg/kg	0.02	M	0.69	0.54
Dibenzo[a,h]anthracene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20
Fluoranthene	PAHASRDS	mg/kg	0.02	M	1.4	1.1
Fluorene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20
Indeno[1,2,3,-cd]pyrene	PAHASRDS	mg/kg	0.02	M	0.44	0.37
Naphthalene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sample testing

Analytical Test Results - ENV Analysis Solids

Lab Reference					756529	756530
Client Sample ID					KTSC - 2/4	KTSC - 8/4
Client Sample Location					DH9 9UY	DH9 9UY
Client Sample Type					Fines	Fines
Client Sample Number					-	-
Depth - Top (m)					-	-
Depth - Bottom (m)					-	-
Date of Sampling					10/04/2026	10/04/2026
Time of Sampling					-	-
Sample Matrix					Sand	Sand
Determinant	Code	Units	LOD	Accreditation		
Phenanthrene	PAHASRDS	mg/kg	0.02	M	0.79	0.64
Pyrene	PAHASRDS	mg/kg	0.02	M	1.1	0.89
Total PAH (Sum of USEPA 16)	PAHASRDS	mg/kg	0.32	U	8.5	7.2
Loss on Ignition - HMRC	HMRCLOI	%	0.1	N	5.2	4.6

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sample testing

Analytical Test Results - EPHVPHS

Lab Reference					756529	756530
Client Sample ID					KTSC - 2/4	KTSC - 8/4
Client Sample Location					DH9 9UY	DH9 9UY
Client Sample Type					Fines	Fines
Client Sample Number					-	-
Depth - Top (m)					-	-
Depth - Bottom (m)					-	-
Date of Sampling					10/04/2026	10/04/2026
Time of Sampling					-	-
Sample Matrix					Sand	Sand
Determinant	Code	Units	LOD	Accreditation		
Total TPH >C6-C8 [7]	VPHS	mg/kg	0.1	N	< 1	< 1
Total TPH (>C5-C6) [7]	VPHS	mg/kg	1	N	< 1.0	< 1.0
Total TPH (>C7-C8) [7]	VPHS	mg/kg	1	N	< 1.0	< 1.0
Total TPH (>C8 to C10) [1]	TPHS	mg/kg	5	M	< 5.0	8.6
Total TPH (>C10 to C12) [1]	TPHS	mg/kg	5	M	< 5.0	8.4
Total TPH (>C12 to C16) [1]	TPHS	mg/kg	5	M	19	22
Total TPH (>C16 to C21) [1]	TPHS	mg/kg	5	M	84	97
Total TPH (>C21 to C35) [1]	TPHS	mg/kg	5	M	640	620
Total TPH (>C35 to C40) [1]	TPHS	mg/kg	5	M	220	250
Total TPH (>C10 to C21) [1]	TPHS	mg/kg	10	M	110	130
Total TPH (>C10 to C40) [1]	TPHS	mg/kg	15	M	960	990
Total TPH (C6 to C40) [3]	TPHS	mg/kg	15	N	960	990
Total >C5-C10 [7]	VPHS	mg/kg	0.2	M	< 0.20	0.34

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sample testing

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 (%)
756529	KTSC - 2/4	DH9 9UY	SOIL	-	Made Ground- brown sand with occasional organic matter glass plastic	7.8	< 0.1	96
756530	KTSC - 8/4	DH9 9UY	SOIL	-	Made Ground- brown sand with occasional organic matter glass plastic	8.1	< 0.1	100

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sample testing

Sample Comments

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
756529	KTSC - 2/4	DH9 9UY	SOIL	-	PAHAR 1/10 dilution - dark extract
756530	KTSC - 8/4	DH9 9UY	SOIL	-	PAHAR 1/10 dilution - dark extract

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sample testing

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

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
ASB	MS - AS - Asbestos	-	-	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
ASSO4S	MS - CL - Acid Soluble Sulphate	Oven Dried	Passing 2mm test sieve	Determination of total sulphate in soils by acid extraction followed by ICP analysis
ESULS	MS - CL - Elemental Sulphur by HPLC	As received	Passing 10mm test sieve	Determination of elemental sulphur in soils via HPLC
HMRCLOI	HMRC Lol	Oven dried	Passing 2mm test sieve	Testing was in accordance with HMRC document
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Determination of metals in soils via ICP
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Determination of Polyaromatic hydrocarbons in soil via GC-MS
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis
SKALARCNS	MS - CL - Cyanide by Skalar	As received	Passing 10mm test sieve	Determination of cyanide (total / free / complex) in soil using a Skalar segmented flow analyser
SKALARPHS	MS - CL - Phenols by Skalar	As received	Passing 10mm test sieve	Determination of total phenols in soil using Skalar segmented flow analyser
SULPHIDES	MS - CL - Sulphide in Soils	Air Dried	Passing 10mm test sieve	Determination of sulphide in soil via titration
TPHS	MS - CL - TPH (GC-FID)	As received	Passing 10mm test sieve	Determination of Total Petroleum Hydrocarbons in soil using GC-FID
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Determination of Water soluble Boron in soils via ICP

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sample testing

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W -

No time of sampling provided

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received outside standard identified timescales for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
756529	KTSC - 2/4	DH9 9UY	Fines		MS - CL - Phenols by Skalar	C
756529	KTSC - 2/4	DH9 9UY	Fines		MS - CL - Cyanide by Skalar	C
756529	KTSC - 2/4	DH9 9UY	Fines		MS - CL - PAH (As Received)	C
756529	KTSC - 2/4	DH9 9UY	Fines		MS - CL - VPH	CR
756529	KTSC - 2/4	DH9 9UY	Fines		MS - CL - TPH (GC-FID)	C
756530	KTSC - 8/4	DH9 9UY	Fines		MS - CL - Phenols by Skalar	C
756530	KTSC - 8/4	DH9 9UY	Fines		MS - CL - Cyanide by Skalar	C
756530	KTSC - 8/4	DH9 9UY	Fines		MS - CL - PAH (As Received)	C
756530	KTSC - 8/4	DH9 9UY	Fines		MS - CL - VPH	CR
756530	KTSC - 8/4	DH9 9UY	Fines		MS - CL - TPH (GC-FID)	C

E26/05059/BRM/26-15669

BRM-WM3 Fines Testing Suite - Ken Thomas Site Clearance - sam

HWOL TPH Acronym Index

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

Key of Codes	
[1]	EH_1D_TOTAL
[2]	EH_CU_1D_TOTAL
[3]	EH_CU+HS_1D_TOTAL
[4]	EH_1D+HS_MS_TOTAL
[5]	HS_MS_1D_AL
[6]	HS_MS_1D_AR
[7]	HS_MS_1D_TOTAL
[8]	EH_CU_1D_AL
[9]	EH_CU_1D_AR
[10]	EH_2D+HS_1D_TOTAL
[11]	EH_CU_2D+HS_1D_TOTAL
[12]	EH_2D_TOTAL
[13]	EH_2D_AL
[14]	EH_2D_AR
[15]	EH_CU_2D_TOTAL
[16]	EH_CU_2D_AL
[17]	EH_CU_2D_AR