

ENVIRONMENTAL REPORT

CONTAMINATED LAND VERIFICATION REPORT

Mortimers Farm
Mortimers Lane
Fair Oak
Hampshire
SO50 7EA



September 2026

Contents

Contact information	3
1 Introduction and site investigation review	4
2 Validation sampling	5
3 Sampling results and interpretation	8
4 Summary	15
Appendix	
Laboratory certified results from validation sampling	17
Calibration certification - PID	36
Imported soil receipt	38

Contact information

Site address

Mortimers Farm
Mortimers Lane
Fair Oak
Hampshire
SO50 7EA

Contact: Justin Long

Telephone: [REDACTED]

E-mail: [REDACTED]

Report co-ordinator

Apple Environmental Limited
Unit 3 Estevan Farm
Stoney Lane
Medstead
Alton
Hampshire
GU34 5EL

Contact: Laura Charman

Telephone: [REDACTED]

E-mail: [REDACTED]

Report checking

Final and revision check by:

Adrian Whittle



1 Introduction and site investigation review

Apple Environmental has been appointed to produce a verification report following the conversion of two barns and the construction of a new dwelling with associated soft landscaped recreational areas.

The intrusive site investigation was undertaken by Apple Environmental Limited in May 2024 (Report Ref. CL/3555.Rev1/MF), following the production of the desk study report in January 2024 (Report Ref. CL/3538/MF).

The site works comprised the excavation of fourteen trial pits across the site to a minimum depth of 1m (bgl), with soil samples obtained from two depths within each for laboratory analysis.

Suspected made-ground was noted within nine of the investigated locations overall to a maximum depth of 800mm, containing fill material comprising brick, ceramic tiles, chalk and metal wire. It was deemed unlikely to be generating any ground gases.

Furthermore two ground gas risk assessments were undertaken close to the subject site in 2013 and 2019. The findings from which concluded that the land (Pembers Hill Farm) fell into a Characteristic Situation 1 (CS1), where precautions against the ingress of ground gas were not deemed necessary.

In general therefore, as the geology does not appear to be actively assisting gas dispersion, and as Mortimer's Farm lies much further from these landfill sites than the sites where ground gas monitoring failed to detect any concerns - whilst sharing the same geology, the presumption had been made that the ground gas presence at the subject site was expected to be low risk.

Since the previous site investigation undertaken in May 2024, the site has been spilt into two sections. In assessing the part of the site that falls under this report (the southern and eastern sections), there were no determinands present at concentrations exceeding the human health risk assessment criteria for residential end-use with home-grown produce within the soil obtained from any of the ten trial pits (TP.01 - TP.04 and TP.09 - TP.14).

2 Validation sampling

In the absence of any identified contamination during the aforementioned intrusive investigation in this area there was no requirement for remediation; however as part of the landscaping scheme new topsoil was imported onto the site from CCWM Aggregates Limited. The corresponding purchase receipts have been appended to this report.

Once in place, two soil samples were randomly obtained from the central wildflower meadow, identified as Samples S.01/3959 and S.02/3959 and from the garden area of Barn B, identified as Samples S.03/3959 and S.04/3959, representing depths of 100 - 200mm and 300 - 400mm respectively.

Each sample was analysed for a full range of contamination indicators.

The garden areas and the selected sample locations have been shown below in Photographs 1 to 4.

Photograph 1 Showing a sample location in the wildflower meadow area



Photograph 2 Showing a sample location in the wildflower meadow area



Photograph 3 Showing a sample location at the rear of Barn B



Photograph 4

Showing a sample location at the rear of Barn B



3 Sampling results and interpretation

The findings from the laboratory analysis of the submitted soil samples have been summarised below in Tables 1 to 4, where any determinand detected has been highlighted in **bold** type.

The laboratory certificated results have been appended to this report, as has the calibration documentation for the photo-ionisation detector, used for the detection of VOCs.

Table 1 Results for specified inorganics compounds in the imported soil

Determinand	S.01/3959 (mg/kg)	S.02/3959 (mg/kg)	S.03/3959 (mg/kg)	S.04/3959 (mg/kg)
	100-200mm	300-400mm	100-200mm	300-400mm
Arsenic	< 10	< 10	< 10	< 10
Boron	< 2.5	< 2.5	< 2.5	< 2.5
Cadmium	1.0	0.7	1.0	1.0
Chromium	5.2	11	5.1	6.8
Copper	37	34	39	31
Lead	100	120	100	100
Mercury (total)	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	8.8	11	8.5	7.3
Selenium	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	110	140	120	110
Sulphate (total)	63	270	100	100

Table 2 Results for specified inorganics and BTEX compounds in the imported soil

Determinand	S.01/3959 (mg/kg)	S.02/3959 (mg/kg)	S.03/3959 (mg/kg)	S.04/3959 (mg/kg)
	100-200mm	300-400mm	100-200mm	300-400mm
Sulphide	6	24	10	10
Chloride	13	110	35	95
Asbestos	None detected	None detected	None detected	None detected
Benzene	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	< 0.01	< 0.01	< 0.01	< 0.01
p & m-Xylene	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	< 0.01	< 0.01	< 0.01	< 0.01
Total organic carbon (%)	2.7	3.8	2.5	3.0

Table 3 Results for PAHs in the imported soil

Determinand	S.01/3959 (mg/kg)	S.02/3959 (mg/kg)	S.03/3959 (mg/kg)	S.04/3959 (mg/kg)
	100-200mm	300-400mm	100-200mm	300-400mm
Naphthalene	< 0.20	< 0.20	< 0.20	< 0.20
Acenaphthylene	< 0.20	< 0.20	< 0.20	< 0.20
Acenaphthene	< 0.20	< 0.20	< 0.20	< 0.20
Fluorene	< 0.20	< 0.20	< 0.20	< 0.20
Phenanthrene	0.30	0.89	0.36	0.33
Anthracene	< 0.20	0.25	< 0.20	< 0.20
Fluoranthene	0.99	1.8	1.2	0.91
Pyrene	0.88	1.6	1.1	0.80
Benzo(a)anthracene	0.58	0.78	0.72	0.56
Chrysene	0.54	0.61	0.58	0.49
Benzo(b)fluoranthene	0.75	0.76	0.92	0.70
Benzo(k)fluoranthene	0.32	0.39	0.41	0.31
Benzo(a)pyrene	0.75	0.74	0.89	0.72
Indeno(123-cd)pyrene	0.52	0.49	0.66	0.58
Dibenzo(ah)anthracene	< 0.20	< 0.20	< 0.20	< 0.20
Benzo(ghi)perylene	0.55	0.52	0.71	0.58
Coronene	< 0.20	< 0.20	< 0.20	< 0.20
Total PAHs	7.8	9.3	9.0	7.5

Table 4 Results for hydrocarbons and non-specified VOCs in the imported soil

Determinand	S.01/3959 (mg/kg)	S.02/3959 (mg/kg)	S.03/3959 (mg/kg)	S.04/3959 (mg/kg)
	100-200mm	300-400mm	100-200mm	300-400mm
Aliphatic C5 - C6	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic C6 - C8	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic C8 - C10	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic C10 - C12	1.6	< 1.0	1.4	1.5
Aliphatic C12 - C16	2.9	2.6	2.6	2.8
Aliphatic C16 - C21	4.2	4.2	4.5	5.3
Aliphatic C21 - C35	13	15	32	36
Aliphatic (C35 - 44)	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic C5 - C7	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C7 - C8	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic C8 - C10	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic C10 - C12	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C12 - C16	2.6	< 1.0	1.6	2.2
Aromatic C16 - C21	15	5.7	9.7	8.4
Aromatic C21 - C35	58	38	49	55
Aromatic (C35-44)	43	7.4	18	19
Total (C5 - 35)	97	66	100	110
Non-specific VOCs	< 0.1ppm	< 0.1ppm	< 0.1ppm	< 0.1ppm

Tables 5 to 7 below show the soil guideline concentrations used as part of this assessment. Criteria for residential land-use with home-grown produce have been considered, on the basis of a 1% soil organic matter content.

Table 5 Soil guideline concentrations for inorganics and BTEX compounds referred to for this assessment

Determinand (mg/kg)	Guideline concentration for 1% SOM	Origin
Arsenic	37	Atkins ATRISK Category 4 Screening Level
Boron	290	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Cadmium	22.1	Atkins ATRISK Category 4 Screening Level
Chromium	14300	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Chromium VI	20.5	Atkins ATRISK Category 4 Screening Level
Copper	4730	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Lead	200	Category 4 Screening Level
Mercury (elemental)	0.0863	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Mercury (inorganic Hg ²⁺)	180	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Nickel	136	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Selenium	375	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Zinc	20000	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Free Cyanide	34	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Benzene (SOM 1%)	0.137	Atkins ATRISK (C4SL) for residential with home-grown produce
Toluene (SOM 1%)	113	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Ethylbenzene (SOM 1%)	50.7	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
o-Xylene (SOM 1%)	26.4	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
m-Xylene (SOM 1%)	25	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
p-Xylene (SOM 1%)	24	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce

Table 6 Soil guideline concentrations for PAHs referred to for this assessment

Determinand (mg/kg)	Guideline concentration for 1% SOM	Origin
Naphthalene	2.3	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Acenaphthylene	608	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Acenaphthene	210	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Fluorene	735	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Phenanthrene	95	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Anthracene	10200	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Fluoranthene	983	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Pyrene	668	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Benzo(a)anthracene	7.2	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Chrysene	15	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Benzo(b)fluoranthene	2.6	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Benzo(k)fluoranthene	77	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Benzo(a)pyrene	2.2	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Indeno(123-cd)pyrene	27	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Dibenzo(ah)anthracene	0.24	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Benzo(ghi)perylene	320	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce

Table 7 Soil guideline concentrations for petroleum hydrocarbons referred to for this assessment

Determinand (mg/kg)	Guideline concentration for 1% SOM	Origin
Aliphatic TPH C5-C6	42.7	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aliphatic TPH C6-C8	99.3	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aliphatic TPH C8-C10	13.9	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aliphatic TPH C10-C12	81.7	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aliphatic TPH C12-C16	385	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aliphatic TPH C16-C35	210000	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aliphatic TPH C35-C44	65000	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce
Aromatic TPH C5-C7	0.137	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aromatic TPH C7-C8	113	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aromatic TPH C8-C10	20.5	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aromatic TPH C10-C12	70	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aromatic TPH C12-C16	165	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aromatic TPH C16-C21	319	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aromatic TPH C21-C35	1120	Atkins ATRISK (CLEA 1.07) for residential with home-grown produce
Aromatic TPH C5-C35	1100	LQM/CIEH S4ULs (CLEA 1.06) for residential with home-grown produce

4 Summary

Through reference to Tables 1 to 4 above it can be seen that none of the determinands within the imported topsoil exceeded their corresponding guideline concentrations for residential dwellings with home-grown produce.

There were no other potential contamination concerns raised during the groundworks undertaken for the conversion/construction of these plots, as concluded from the on-site informal watching brief and observation strategy.

Appendices

Laboratory certified results from validation sampling

Calibration certification

Imported soil receipts

Analytical Test Report **E26/12155/APL/26-40736**

Clients Project Reference Mortimers Farm - CL/3959/MF

Clients Order Number CL/3959/MF

Sample(s) Analysed 1

Sample(s) received / Instructed 14/09/2026 / 14/09/2026

Sample(s) Tested 14/09/2026 to 28/09/2026

Report issued 28/09/2026

Report issue number 1

Tested on Behalf of
Apple Environmental Limited
Unit 3 Estevan Farm
Stoney Lane

GU34 5EL

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 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 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

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

E26/12155/APL/26-40736

Mortimers Farm - CL/3959/MF

Analytical Test Results - ENV Analysis Solids

Lab Reference	885869
---------------	--------

Client Sample ID	S.02/3959
Client Sample Location	-
Client Sample Type	-
Client Sample Number	-
Supplier / Source	-
Client Material	-
Depth - Top (m)	-
Depth - Bottom (m)	-
Date of Sampling	11/09/2026
Time of Sampling	1005
Sample Matrix	Clay

Determinant	Code	Units	LOD	Accreditation	
Arsenic	ICPMETS	mg/kg	10	M	< 10
Boron (Water Soluble)	WSBORONS	mg/kg	2.5	N	< 2.5
Cadmium	ICPMETS	mg/kg	0.2	M	0.7
Chromium (Total)	ICPMETS	mg/kg	1	U	11
Copper	ICPMETS	mg/kg	2	M	34
Iron	ICPMETS	mg/kg	100	N	18000
Lead	ICPMETS	mg/kg	1.5	M	120
Mercury	ICPMETS	mg/kg	2.5	U	< 2.5
Nickel	ICPMETS	mg/kg	1	M	11
Selenium	ICPMETS	mg/kg	8	N	< 8.0
Zinc	ICPMETS	mg/kg	2	M	140
Cyanide (Total)	SKALARCNS	mg/kg	1	M	< 1.0
Chromium (Hexavalent)	SKALARHCS	mg/kg	1	N	< 1.0
pH	PHS	pH units	1	M	8.1
Water Soluble Sulphate (as SO4)	ANIONSS	mg/L	10	N	270
Sulphide	SULPHIDES	mg/kg	5	N	24
Chloride	ANIONSS	mg/L	0.1	N	110
TOC	TOCS	%	0.5	M	3.8
Asbestos	ASB	p/a	-	U	No Asbestos Detected
Acenaphthene	PAHASRDS	mg/kg	0.02	M	< 0.20
Acenaphthylene	PAHASRDS	mg/kg	0.02	U	< 0.20
Anthracene	PAHASRDS	mg/kg	0.02	U	0.25
Benzo[a]anthracene	PAHASRDS	mg/kg	0.02	M	0.78
Benzo[a]pyrene	PAHASRDS	mg/kg	0.02	M	0.74
Benzo[b]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.76
Benzo[ghi]perylene	PAHASRDS	mg/kg	0.02	M	0.52
Benzo[k]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.39
Chrysene	PAHASRDS	mg/kg	0.02	M	0.61
Dibenzo[a,h]anthracene	PAHASRDS	mg/kg	0.02	M	< 0.20
Fluoranthene	PAHASRDS	mg/kg	0.02	M	1.8
Fluorene	PAHASRDS	mg/kg	0.02	M	< 0.20
Indeno[1,2,3-cd]pyrene	PAHASRDS	mg/kg	0.02	M	0.49
Naphthalene	PAHASRDS	mg/kg	0.02	M	< 0.20

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

E26/12155/APL/26-40736

Mortimers Farm - CL/3959/MF

Analytical Test Results - ENV Analysis Solids

Lab Reference						885869
Client Sample ID						S.02/3959
Client Sample Location						-
Client Sample Type						-
Client Sample Number						-
Supplier / Source						-
Client Material						-
Depth - Top (m)						-
Depth - Bottom (m)						-
Date of Sampling						11/09/2026
Time of Sampling						1005
Sample Matrix						Clay
Determinant	Code	Units	LOD	Accreditation		
Phenanthrene	PAHASRDS	mg/kg	0.02	M		0.89
Pyrene	PAHASRDS	mg/kg	0.02	M		1.6
Total PAH (Sum of USEPA 16)	PAHASRDS	mg/kg	0.32	U		9.1
Coronene	PAHASRDS	mg/kg	0.02	N		< 0.20
Total PAH (Sum of 17)	PAHASRDS	mg/kg	0.34	N		9.3

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

E26/12155/APL/26-40736

Mortimers Farm - CL/3959/MF

Analytical Test Results - EPHVPHS

Lab Reference		885869			
Client Sample ID		S.02/3959			
Client Sample Location		-			
Client Sample Type		-			
Client Sample Number		-			
Supplier / Source		-			
Client Material		-			
Depth - Top (m)		-			
Depth - Bottom (m)		-			
Date of Sampling		11/09/2026			
Time of Sampling		1005			
Sample Matrix		Clay			
Determinant	Code	Units	LOD	Accreditation	
Benzene	VPHS	mg/kg	0.01	M	< 0.01
Toluene	VPHS	mg/kg	0.01	M	< 0.01
Ethylbenzene	VPHS	mg/kg	0.01	M	< 0.01
m&p Xylene	VPHS	mg/kg	0.02	M	< 0.02
o-Xylene	VPHS	mg/kg	0.01	M	< 0.01
Methyl tert-butyl ether (MTBE)	VPHS	mg/kg	0.01	M	< 0.01
Aliphatic >C5 to C6 [5]	VPHS	mg/kg	0.06	M	< 0.06
Aliphatic >C6 to C8 [5]	VPHS	mg/kg	0.06	M	< 0.06
Aliphatic >C8 to C10 [5]	VPHS	mg/kg	0.06	M	< 0.06
Aliphatic >C10-C12 [13]	GCXGCS	mg/kg	1	M	< 1.0
Aliphatic >C12-C16 [13]	GCXGCS	mg/kg	1	M	2.6
Aliphatic >C16-C21 [13]	GCXGCS	mg/kg	1	M	4.2
Aliphatic >C21-C35 [13]	GCXGCS	mg/kg	2	M	15
Aliphatic >C35-C44 [13]	GCXGCS	mg/kg	5	N	< 5.0
Aromatic >C5 to C7 [6]	VPHS	mg/kg	0.01	M	< 0.01
Aromatic >C7 to C8 [6]	VPHS	mg/kg	0.01	M	< 0.01
Aromatic >C8 to C10 [6]	VPHS	mg/kg	0.06	M	< 0.06
Aromatic >C10-C12 [14]	GCXGCS	mg/kg	1	M	< 1.0
Aromatic >C12-C16 [14]	GCXGCS	mg/kg	1	M	< 1.0
Aromatic >C16-C21 [14]	GCXGCS	mg/kg	1	M	5.7
Aromatic >C21-C35 [14]	GCXGCS	mg/kg	2	M	38
Aromatic >C35-C44 [14]	GCXGCS	mg/kg	5	N	7.4
Total >C5-C35 (Ali/Aro) [10]	CWGS	mg/kg	10	M	66

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

E26/12155/APL/26-40736

Mortimers Farm - CL/3959/MF

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 (%)
885869	S.02/3959	-	SOIL	-	Brown slightly gravelly slightly sandy silty clay with rare organic matter	22	< 0.1	100

E26/12155/APL/26-40736

Mortimers Farm - CL/3959/MF

Sample Comments

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
885869	S.02/3959	-	SOIL	-	PAHAR - 1/10 DILUTION VPH/BTEX - Sample taken from container with headspace.

E26/12155/APL/26-40736

Mortimers Farm - CL/3959/MF

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
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Leicester		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	-	-	Leicester	SOIL, BULK MATERIAL	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"
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Leicester	SOIL	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
GXCXCS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Leicester	SOIL	Determination of TPH and EPH in soils via GCxGC-FID
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
SKALARCNS	MS - CL - Cyanide by Skalar	As received	Passing 10mm test sieve	Leicester	SOIL	Determination of cyanide (total / free / complex) in soil using a Skalar segmented flow analyser
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
SULPHIDES	MS - CL - Sulphide in Soils	Air Dried	Passing 10mm test sieve	Leicester		Determination of sulphide in soil via titration
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Leicester	SOIL	Determination of Total Organic Carbon in soils
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Leicester	SOIL	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Leicester		Determination of Water soluble Boron in soils via ICP

E26/12155/APL/26-40736

Mortimers Farm - CL/3959/MF

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

Analytical Test Report **E26/10681/APL/26-35187- Amendment A**

Clients Project Reference Mortimers Farm CL/3959/MF

Clients Order Number n/a

Sample(s) Analysed 4

Sample(s) received / instructed 10/08/2026 / 10/08/2026

Sample(s) Tested 10/08/2026 to 24/08/2026

Report issued 24/08/2026

Report issue number 1

Tested on Behalf of
Apple Environmental Limited
Unit 3 Estevan Farm
Stoney Lane

GU34 5EL

Signed



James Gane
Analytical Services Manager

Notes:

General

Amendment A 29/09/2026- Report amended to remove remove S.02 , the previous version (issue 1) has been superseded in totality.

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 M5 - 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 M5 - 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

E26/10681/APL/26-35187- Amendment A
Mortimers Farm CL/3959/MF
Analytical Test Results - ENV Analysis Solids

Lab Reference					856029	856031	856032
Client Sample ID					S.01/3959	S.03/3959	S.04/3959
Client Sample Location					-	-	-
Client Sample Type					Soil	Soil	Soil
Client Sample Number					-	-	-
Depth - Top (m)					-	-	-
Depth - Bottom (m)					-	-	-
Date of Sampling					06/08/2026	06/08/2026	06/08/2026
Time of Sampling					1000	1010	1015
Sample Matrix					Clay	Clay	Clay
Determinant	Code	Units	LOD	Accreditation			
Arsenic	ICPMETS	mg/kg	10	M	< 10	< 10	< 10
Boron (Water Soluble)	WSBORONS	mg/kg	2.5	N	< 2.5	< 2.5	< 2.5
Cadmium	ICPMETS	mg/kg	0.2	M	1.0	1.0	1.0
Chromium (Total)	ICPMETS	mg/kg	1	U	5.2	5.1	6.8
Copper	ICPMETS	mg/kg	2	M	37	39	31
Iron	ICPMETS	mg/kg	100	N	21000	22000	21000
Lead	ICPMETS	mg/kg	1.5	M	100	100	100
Mercury	ICPMETS	mg/kg	2.5	U	< 2.5	< 2.5	< 2.5
Nickel	ICPMETS	mg/kg	1	M	8.8	8.5	7.3
Selenium	ICPMETS	mg/kg	8	N	< 8.0	< 8.0	< 8.0
Zinc	ICPMETS	mg/kg	2	M	110	120	110
Cyanide (Total)	SKALARCNS	mg/kg	1	M	< 1.0	< 1.0	< 1.0
Chromium (Hexavalent)	SKALARHCS	mg/kg	1	N	< 1.0	< 1.0	< 1.0
pH	PHS	pH units	1	M	8.5	8.1	8.1
Water Soluble Sulphate (as SO4)	ANIONSS	mg/L	10	N	63	240	250
Sulphide	SULPHIDES	mg/kg	5	N	6	10	10
Chloride	ANIONSS	mg/L	0.1	N	13	35	95
TOC	TOCS	%	0.5	M	2.7	2.5	3.0
Asbestos	ASB	p/a	-	U	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Acenaphthene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20	< 0.20
Acenaphthylene	PAHASRDS	mg/kg	0.02	U	< 0.20	< 0.20	< 0.20
Anthracene	PAHASRDS	mg/kg	0.02	U	< 0.20	< 0.20	< 0.20
Benzo[a]anthracene	PAHASRDS	mg/kg	0.02	M	0.58	0.72	0.56
Benzo[a]pyrene	PAHASRDS	mg/kg	0.02	M	0.75	0.89	0.72
Benzo[b]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.75	0.92	0.70
Benzo[ghi]perylene	PAHASRDS	mg/kg	0.02	M	0.55	0.71	0.58
Benzo[k]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.32	0.41	0.31
Chrysene	PAHASRDS	mg/kg	0.02	M	0.54	0.58	0.49
Dibenzo[a,h]anthracene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20	< 0.20
Fluoranthene	PAHASRDS	mg/kg	0.02	M	0.99	1.2	0.91
Fluorene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20	< 0.20
Indeno[1,2,3-cd]pyrene	PAHASRDS	mg/kg	0.02	M	0.52	0.66	0.58
Naphthalene	PAHASRDS	mg/kg	0.02	M	< 0.20	< 0.20	< 0.20
Phenanthrene	PAHASRDS	mg/kg	0.02	M	0.30	0.36	0.33
Pyrene	PAHASRDS	mg/kg	0.02	M	0.88	1.1	0.80

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

Analytical Test Results - ENV Analysis Solids

Lab Reference

Client Sample ID

Client Sample Location

Client Sample Type

Client Sample Number

Depth - Top (m)

Depth - Bottom (m)

Date of Sampling

Time of Sampling

Sample Matrix

Determinant	Code	Units	LOD	Accreditation
Arsenic	ICPMETS	mg/kg	10	M
Boron (Water Soluble)	WSBORONS	mg/kg	2.5	N
Cadmium	ICPMETS	mg/kg	0.2	M
Chromium (Total)	ICPMETS	mg/kg	1	U
Copper	ICPMETS	mg/kg	2	M
Iron	ICPMETS	mg/kg	100	N
Lead	ICPMETS	mg/kg	1.5	M
Mercury	ICPMETS	mg/kg	2.5	U
Nickel	ICPMETS	mg/kg	1	M
Selenium	ICPMETS	mg/kg	8	N
Zinc	ICPMETS	mg/kg	2	M
Cyanide (Total)	SKALARCNS	mg/kg	1	M
Chromium (Hexavalent)	SKALARHCS	mg/kg	1	N
pH	PHS	pH units	1	M
Water Soluble Sulphate (as SO4)	ANIONSS	mg/L	10	N
Sulphide	SULPHIDES	mg/kg	5	N
Chloride	ANIONSS	mg/L	0.1	N
TOC	TOCS	%	0.5	M
Asbestos	ASB	p/a	-	U
Acenaphthene	PAHASRDS	mg/kg	0.02	M
Acenaphthylene	PAHASRDS	mg/kg	0.02	U
Anthracene	PAHASRDS	mg/kg	0.02	U
Benzo[a]anthracene	PAHASRDS	mg/kg	0.02	M
Benzo[a]pyrene	PAHASRDS	mg/kg	0.02	M
Benzo[b]fluoranthene	PAHASRDS	mg/kg	0.02	M
Benzo[ghi]perylene	PAHASRDS	mg/kg	0.02	M
Benzo[k]fluoranthene	PAHASRDS	mg/kg	0.02	M
Chrysene	PAHASRDS	mg/kg	0.02	M
Dibenzo[a,h]anthracene	PAHASRDS	mg/kg	0.02	M
Fluoranthene	PAHASRDS	mg/kg	0.02	M
Fluorene	PAHASRDS	mg/kg	0.02	M
Indeno[1,2,3-cd]pyrene	PAHASRDS	mg/kg	0.02	M
Naphthalene	PAHASRDS	mg/kg	0.02	M
Phenanthrene	PAHASRDS	mg/kg	0.02	M
Pyrene	PAHASRDS	mg/kg	0.02	M

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

Analytical Test Results - ENV Analysis Solids

Lab Reference					856029	856031	856032
Client Sample ID					S.01/3959	S.03/3959	S.04/3959
Client Sample Location					-	-	-
Client Sample Type					Soil	Soil	Soil
Client Sample Number					-	-	-
Depth - Top (m)					-	-	-
Depth - Bottom (m)					-	-	-
Date of Sampling					06/08/2026	06/08/2026	06/08/2026
Time of Sampling					1000	1010	1015
Sample Matrix					Clay	Clay	Clay
Determinant	Code	Units	LOD	Accreditation			
Total PAH (Sum of USEPA 16)	PAHASRDS	mg/kg	0.32	U	7.6	8.8	7.3
Coronene	PAHASRDS	mg/kg	0.02	N	< 0.20	< 0.20	< 0.20
Total PAH (Sum of 17)	PAHASRDS	mg/kg	0.34	N	7.8	9.0	7.5

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

Analytical Test Results - ENV Analysis Solids

Lab Reference

Client Sample ID

Client Sample Location

Client Sample Type

Client Sample Number

Depth - Top (m)

Depth - Bottom (m)

Date of Sampling

Time of Sampling

Sample Matrix

Determinant	Code	Units	LOD	Accreditation
Total PAH (Sum of USEPA 16)	PAHASRDS	mg/kg	0.32	U
Coronene	PAHASRDS	mg/kg	0.02	N
Total PAH (Sum of 17)	PAHASRDS	mg/kg	0.34	N

E26/10681/APL/26-35187- Amendment A
Mortimers Farm CL/3959/MF
Analytical Test Results - EPHVPHS

Lab Reference					856029	856031	856032
Client Sample ID					S.01/3959	S.03/3959	S.04/3959
Client Sample Location					-	-	-
Client Sample Type					Soil	Soil	Soil
Client Sample Number					-	-	-
Depth - Top (m)					-	-	-
Depth - Bottom (m)					-	-	-
Date of Sampling					06/08/2026	06/08/2026	06/08/2026
Time of Sampling					1000	1010	1015
Sample Matrix					Clay	Clay	Clay
Determinant	Code	Units	LOD	Accreditation			
Benzene	VPHS	mg/kg	0.01	M	< 0.01	< 0.01	< 0.01
Toluene	VPHS	mg/kg	0.01	M	< 0.01	< 0.01	< 0.01
Ethylbenzene	VPHS	mg/kg	0.01	M	< 0.01	< 0.01	< 0.01
m&p Xylene	VPHS	mg/kg	0.02	M	< 0.02	< 0.02	< 0.02
o-Xylene	VPHS	mg/kg	0.01	M	< 0.01	< 0.01	< 0.01
Methyl tert-butyl ether (MTBE)	VPHS	mg/kg	0.01	M	< 0.01	< 0.01	< 0.01
Aliphatic >C5 to C6 [5]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06	< 0.06
Aliphatic >C6 to C8 [5]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06	< 0.06
Aliphatic >C8 to C10 [5]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06	< 0.06
Aliphatic >C10-C12 [13]	GCXGCS	mg/kg	1	M	1.6	1.4	1.5
Aliphatic >C12-C16 [13]	GCXGCS	mg/kg	1	M	2.9	2.6	2.8
Aliphatic >C16-C21 [13]	GCXGCS	mg/kg	1	M	4.2	4.5	5.3
Aliphatic >C21-C35 [13]	GCXGCS	mg/kg	2	M	13	32	36
Aliphatic >C35-C44 [13]	GCXGCS	mg/kg	5	N	< 5.0	< 5.0	< 5.0
Aromatic >C5 to C7 [6]	VPHS	mg/kg	0.01	M	< 0.01	< 0.01	< 0.01
Aromatic >C7 to C8 [6]	VPHS	mg/kg	0.01	M	< 0.01	< 0.01	< 0.01
Aromatic >C8 to C10 [6]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06	< 0.06
Aromatic >C10-C12 [14]	GCXGCS	mg/kg	1	M	< 1.0	< 1.0	< 1.0
Aromatic >C12-C16 [14]	GCXGCS	mg/kg	1	M	2.6	1.6	2.2
Aromatic >C16-C21 [14]	GCXGCS	mg/kg	1	M	15	9.7	8.4
Aromatic >C21-C35 [14]	GCXGCS	mg/kg	2	M	58	49	55
Aromatic >C35-C44 [14]	GCXGCS	mg/kg	5	N	43	18	19
Total >C5-C35 (Ali/Aro) [10]	CWGS	mg/kg	10	M	97	100	110

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

Analytical Test Results - EPHVPHS

Lab Reference

Client Sample ID

Client Sample Location

Client Sample Type

Client Sample Number

Depth - Top (m)

Depth - Bottom (m)

Date of Sampling

Time of Sampling

Sample Matrix

Determinant	Code	Units	LOD	Accreditation
Benzene	VPHS	mg/kg	0.01	M
Toluene	VPHS	mg/kg	0.01	M
Ethylbenzene	VPHS	mg/kg	0.01	M
m&p Xylene	VPHS	mg/kg	0.02	M
o-Xylene	VPHS	mg/kg	0.01	M
Methyl tert-butyl ether (MTBE)	VPHS	mg/kg	0.01	M
Aliphatic >C5 to C6 [5]	VPHS	mg/kg	0.06	M
Aliphatic >C6 to C8 [5]	VPHS	mg/kg	0.06	M
Aliphatic >C8 to C10 [5]	VPHS	mg/kg	0.06	M
Aliphatic >C10-C12 [13]	GCXGCS	mg/kg	1	M
Aliphatic >C12-C16 [13]	GCXGCS	mg/kg	1	M
Aliphatic >C16-C21 [13]	GCXGCS	mg/kg	1	M
Aliphatic >C21-C35 [13]	GCXGCS	mg/kg	2	M
Aliphatic >C35-C44 [13]	GCXGCS	mg/kg	5	N
Aromatic >C5 to C7 [6]	VPHS	mg/kg	0.01	M
Aromatic >C7 to C8 [6]	VPHS	mg/kg	0.01	M
Aromatic >C8 to C10 [6]	VPHS	mg/kg	0.06	M
Aromatic >C10-C12 [14]	GCXGCS	mg/kg	1	M
Aromatic >C12-C16 [14]	GCXGCS	mg/kg	1	M
Aromatic >C16-C21 [14]	GCXGCS	mg/kg	1	M
Aromatic >C21-C35 [14]	GCXGCS	mg/kg	2	M
Aromatic >C35-C44 [14]	GCXGCS	mg/kg	5	N
Total >C5-C35 (Ali/Aro) [10]	CWGS	mg/kg	10	M

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

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 (%)
856029	S.01/3959	-	SOIL	-	Brown slightly gravelly sandy silty clay with occasional organic matter with rare brick fragments	14	2.9	40
856031	S.03/3959	-	SOIL	-	Brown slightly gravelly sandy silty clay with occasional organic matter chalk	7.0	8.5	94
856032	S.04/3959	-	SOIL	-	Brown slightly gravelly sandy silty clay with occasional organic matter chalk	7.1	< 0.1	65

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

Sample Comments

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
856029	S.01/3959	-	SOIL	-	PAHAR - 1/10 dilution
856031	S.03/3959	-	SOIL	-	PAHAR - 1/10 dilution VPH/BTEX - Sample taken from container with headspace.
856032	S.04/3959	-	SOIL	-	PAHAR - 1/10 dilution VPH/BTEX - Sample taken from container with headspace.

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

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 &
Unit 14B, Blackhill Road West, Holton Heath Trading Park, Poole, Dorset, BH16 6LE

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Site	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Leicester	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	-	-	Leicester	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"
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Leicester	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
GXCXGS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Leicester	Determination of TPH and EPH in soils via GCxGC-FID
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Leicester	Determination of metals in soils via ICP
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Leicester	Determination of Polyaromatic hydrocarbons in soil via GC-MS
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Leicester	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
SKALARCNS	MS - CL - Cyanide by Skalar	As received	Passing 10mm test sieve	Leicester	Determination of cyanide (total / free / complex) in soil using a Skalar segmented flow analyser
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
SULPHIDES	MS - CL - Sulphide in Soils	Air Dried	Passing 10mm test sieve	Leicester	Determination of sulphide in soil via titration
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Leicester	Determination of Total Organic Carbon in soils
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Leicester	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Leicester	Determination of Water soluble Boron in soils via ICP

E26/10681/APL/26-35187- Amendment A

Mortimers Farm CL/3959/MF

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

DATE: 10/09/2026



Life-saving solutions

CERTIFICATE OF CALIBRATION

Tiger Select - PPM / H&S / Data Logging

CALIBRATION CERTIFICATE NO: 87272

ISSUED BY: SHAWCITY LIMITED
DATE: 10/09/2026

APPROVED SIGNATORY:

NAME: Jake Stone

CUSTOMER: Apple Environmental Ltd
INSTRUMENT: Tiger Select - PPM / H&S / Data Logging
SERIAL NUMBER: T-113211

CALIBRATION METHOD: CM03
AMBIENT CONDITIONS: 20°C ± 2°C and 50% (± 20%) RH

S500748-1	WO497067-1	S500705-1
-----------	------------	-----------

The instrument has been factory calibrated to documented procedures in accordance with ISO9001:2015 Quality Management System.
The instrument is calibrated following manufacturer guidance.
Measurement standards are derived from volumetric and time sources which have been calibrated at an accredited laboratory traceable to national or international standards.

CALIBRATION RESULTS

REF. VALUE	INDICATED VALUE
100 ppm - Isobutylene	100 ppm - Isobutylene
1000 ppm - Isobutylene	1000 ppm - Isobutylene
5 ppm - Benzene	5 ppm - Benzene

Prior to calibration, the instrument was allowed to stabilise in the laboratory for at least 30 minutes.
The instrument was calibrated by exposing the sensor to known values of gas concentrations.
All gases were sampled through the complete probe and in line filter, where applicable.
The reference value is that generated by the certified source and the indicated value is that measured by the instrument.
Gas mixture prepared using equipment traceable to N.P.L standards against suppliers' certificate No.
On the day of calibration, the instrument was working according to the manufacturer's original specifications.

COMMENTS:

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$.
This provides a level of confidence of uncertainty of approximately 95%.
The uncertainty of measurement is ±2 %
The results indicate that the instrument conforms to the applicable parts of the published specification.

HEALTH & SAFETY, OCCUPATIONAL HYGIENE AND ENVIRONMENTAL MONITORING INSTRUMENTS

Tel: 01793 780622
www.shawcity.co.uk

Instrument House, 91-92 Shrivenham Hundred Business Park
Watchfield, Oxfordshire, SN6 8TY



CWM AGGREGATES LTD

CONCRETE AGGREGATES GRAB MUCKAWAY

Invoice

Lonmer Construction Group Ltd
The Old Bakery
Draymans Way
Alton
Hampshire
GU34 1GA

Invoice No.

00126004

Customer Account	Customer Reference	Payment Method	Payment Terms	Tax Point Date
LONMER	MORTIMERS FARM	ACC	ACCOUNT 30 DAYS	27/05/2026

Total Goods Value	VAT @ 20%	Total Amount Due

Delivery Date	Job No.	Product Details	Address	Quantity	Unit Price	Amount
27/05/26	00043880	18MM GRADE 2 SOIL	Mortimers Farm Fair Oak SO50 7EA	20.000	Quoted	
27/05/26	00043881	18MM GRADE 2 SOIL	Mortimers Farm Fair Oak SO50 7EA	20.000	Quoted	
27/05/26	00043883	18MM GRADE 2 SOIL	Mortimers Farm Fair Oak SO50 7EA	20.000	Quoted	
27/05/26	00043884	18MM GRADE 2 SOIL	Mortimers Farm Fair Oak SO50 7EA	20.000	Quoted	
27/05/26	00043885	18MM GRADE 2 SOIL	Mortimers Farm Fair Oak SO50 7EA	20.000	Quoted	

Bank Details: NatWest, Sort Code 52-41-32, Account No. 54714214
Invoice queries must be notified within 48 hours of date of this invoice.
All sales are subject to our Terms & Conditions - a copy is available on request

CWM AGGREGATES LTD

M: 1 Knowle Lane, Fair Oak, Eastleigh, Hampshire SO50 7RE T: 02380 696482

Company Number: 10986664 VAT: 282 9543 69

E: admin@cwmaggregatesltd.co.uk / orders@cwmaggregatesltd.co.uk / accounts@cwmaggregatesltd.co.uk

www.cwmaggregatesltd.co.uk



@cwmaggregates



CWM AGGREGATES LTD



CONCRETE



AGGREGATES



GRAB MUCKAWAY

Invoice

Lonmer Construction Group Ltd
The Old Bakery
Draymans Way
Alton
Hampshire
GU34 1GA

Invoice No.
00127852

Customer Account	Customer Reference	Payment Method	Payment Terms	Tax Point Date
LONMER	MORTIMERS FARM-	ACC	ACCOUNT 30 DAYS	22/06/2026

Total Goods Value	VAT @ 20%	Total Amount Due

Delivery Date	Job No.	Product Details	Address	Quantity	Unit Price	Amount
22/06/26	00046064	18MM GRADE 2 SOIL	Mortimers Farm Fair Oak SO50 7EA	20.000	Quoted	

Bank Details: NatWest, Sort Code 52-41-32, Account No. 54714214
Invoice queries must be notified within 48 hours of date of this invoice.
All sales are subject to our Terms & Conditions - a copy is available on request

CWM AGGREGATES LTD

M: 1 Knowle Lane, Fair Oak, Eastleigh, Hampshire SO50 7RE T: 02380 696482

Company Number: 10986664 VAT: 282 9543 69

E: admin@cwmaggregatesltd.co.uk / orders@cwmaggregatesltd.co.uk / accounts@cwmaggregatesltd.co.uk

www.cwmaggregatesltd.co.uk



@cwmaggregates