



Omnia
Ground Floor,
Unit 2 The Briars,
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PO7 7YH

Web: www.omnia-consulting.co.uk

18th September 2026

ref: A12782/260826/L1

Harry Fawcett-Callway

Bellway Homes Limited, Embankment Way,
Castleman Business Centre,
Ringwood,
Hampshire,
BH24 1 EU

By Email only [REDACTED]

Dear Harry,

RE: Land Southeast of Wandleys Lane, Fontwell, Arundel, BN18 0QR – Water Pipework Assessment

Please find attached the Omnia Report ref: A12782/260826/L1 detailing the summary of field works and chemical analysis undertaken at Wandleys Lane, Fontwell on the 30th July 2026, and subsequent water pipework assessment.

If you have any questions, please do not hesitate to contact us.

Yours sincerely,

Abbie Dodds
Geo-Environmental Consultant

Dr Adrian King
Principal Geo-Environmental Consultant

Attachments:

Appendix I: Limitations
Appendix II: Figures
Appendix III: Logs
Appendix IV: Photographs
Appendix V: Laboratory Testing Certificates

Appendix VI: Enzygo Ground Investigation Report (ref: CRM.1668.044.GE.R.001.C dated October 2025)

Appendix VII: Water UK Water Pipework Assessment

Appendix VIII: Portsmouth Water Screening Values

Quality Assurance

Project Number: A12782

September 2026



**Geo-
Environmental**

Ground Investigation Report

Prepared by:	A. Dodds	Date:	02/09/26	Signature:	
Checked by:	A. King	Date:	04/09/26	Signature:	
Authorised by:	O. Maxwell	Date:	17/09/26	Signature:	

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M4 5JW

Midlands Office

30 Eldon Business Park,
Attenborough,
Beeston,
Nottingham,
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Unit 2 The Briars,
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PO7 7YH

South West Office

130 Aztec West,
Almondsbury,
Bristol,
PO7 7YH

Site Address	Land Southeast of Wandleys Lane, Fontwell, Arundel, BN18 0QR
National Grid Reference	495635.9, 106685.6
Site Area	6.98ha

1.0 BACKGROUND

Omnia were commissioned by Bellway Homes Limited to undertake a water pipe risk assessment, sampling and testing along the proposed route of the services for the above site.

The requirement for the assessment was driven by a statement in Section 8.7.1 of the previous Ground Investigation Report produced by Enzygo (ref: CRM.1668.044.GE.R.001.C dated October 2025):

Section 8.7.1 reads as follows:

“The ground investigation has identified elevated concentrations of PAHs in made ground at 0.30m bgl in relation to UK-WIR guideline threshold values for polyethylene (PE) potable water supply pipework.

As such, further investigation along the proposed potable water supply corridor may be undertaken to refine the level of risk, or barrier pipework should be incorporated into the proposed development. The results should be provided to the local water authority to confirm their requirements.”

However, following a review of the latest guidance, Water UK have issued “Contaminated Land Assessment Guidance” in January 2014 which states:

“In January 2011, UK Water Industry Research (UKWIR) published “Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites” (Ref 10/WM/03/21; the ‘UKWIR Guidance’). Its aim is to ensure that the correct materials are selected for water pipes and components to be used below ground in brownfield sites to protect the quality of drinking water whilst taking into account the service life of the water distribution system. It supersedes the Water Regulations Advisory Scheme (WRAS) Information and Guidance Note 9-04-03 “Laying Pipes in Contaminated Land” which has been withdrawn.

The UKWIR Guidance is for use by developers, self-lay organisations, water companies and consultants when planning, designing and constructing water mains and/or services in brownfield sites. It defines brownfield sites as “land or premises that have previously been used or developed. They may also be vacant or derelict. However, they are not necessarily contaminated.” The UKWIR Guidance states that it does not apply to greenfield sites; however, we consider this supplementary guidance and the relevant sections of the UKWIR guidance as being equally suitable for application to those greenfield sites considered to be potentially affected by contamination. Where greenfield sites are not affected by contamination a preliminary risk assessment (see below) will suffice.”

Given that this supplementary guidance is specific for greenfield sites, and the site has formed an open field since the earliest available mapping, it is considered that this guidance is most appropriate to be used rather than the UKWIR “Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites” reference: No. 10/WM/03/21.

Furthermore, the site lies within the Portsmouth Water district, such that contact was therefore made with Portsmouth Water, as the Potable Water Supply Authority for the site, who provided their screening values for PE pipework which are presented as Appendix VIII.

A water supply pipe assessment has been undertaken following guidance published by UK Water and the House Builders Foundation (2014), as well as comparing values to the Portsmouth Water screening values with the completed paperwork presented as Appendix VII and detailed in Section 4.0.

Supporting information including the Desk Top Study and Intrusive Ground Investigation Reports produced by Enzygo are presented within Appendix VI. Supporting information from the latest Omnia investigation is presented within the factual report A12782/1.0 dated August 2026, with Figures, Intrusive Logs and Chemical Laboratory Analysis presented as Appendices II, III and V respectively.

1.1 Scope of Works

The scope of works comprised of the advancement of eleven (11no.) trial pits to a maximum depth of 1.50m bgl located in the proposed areas of the water pipework. Three (3no.) locations were positioned to target the area of the previous PAH exceedance at WS8 to delineate the extent of the PAH concentration (6.46mg/kg).

Samples were obtained from each of the locations and screened for the following determinants in accordance with the Water UK 2014 guidance:

- BTEX & MTBE
- SVOC
- SVOC TICs
- TPH - EPH (EC10 EC40)
- TPH : GRO/PRO (EC6 - EC10)
- VOC target compounds
- VOCs TICs

1.2 Sources of Information

Background information was sought from the following sources:

- Ground Investigation Report produced by Enzygo (ref: CRM.1668.044.GE.R.001.C dated October 2025);
- Ground Investigation Report produced by Omnia (ref: A12782/1.0 dated August 2026);
- Water UK “Contaminated Land Assessment Guidance” dated January 2014
- Portsmouth Water Screening Criteria for the use of PE Pipes

- British Geological Survey (BGS) map for the site (Chichester and Bognor, Sheet 317/332, Solid and Drift Edition at a scale of 1:50,000,1996)
- Cut and Fill Isopachyte produced by Robert West Sheet 1 of 2 (ref:5988-005-5801-T02 dated 17/09/26)

2.0 GROUND CONDITIONS ENCOUNTERED

British Geological Survey (BGS) map for the site (Chichester and Bognor, Sheet 317/332, Solid and Drift Edition at a scale of 1:50,000,1996) indicates that the superficial geology on-site comprises Head Deposits across the entire site. Bedrock Deposits are recorded as the Lambeth Group across the entire site.

Geology encountered on-site generally corresponds with that highlighted within BGS Mapping. Logs are presented in Appendix III.

No Groundwater was encountered during the investigation.

3.0 LABORATORY ANALYSIS

Selected soil and groundwater samples were submitted for geotechnical analysis with the number of samples from each strata tested indicated within Table 3-1 below.

Table 3-1 Summary of chemical analysis testing (Soil)

Determinant	Number of tests
BTEX & MTBE	12
SVOC	12
SVOC TICs	12
TPH - EPH (EC10 EC40)	12
TPH : GRO/PRO (EC6 - EC10)	12
VOC target compounds	12
VOCs TICs	12

Normec I2 Analytical undertook the analytical work in accordance with UKAS accreditation where applicable and the laboratory analysis certificates are presented as Appendix V and discussed in Section 4.0.

4.0 WATER PIPEWORK ASSESSMENT

Omnia has undertaken a Water Pipework Assessment utilising both the Water UK “Contaminated Land Assessment Guidance” (January 2014) and Portsmouth Water Screening Values given Portsmouth Water is the Potable Water Supply Authority for the site.

The following assessment has utilised chemical analysis completed by Enzygo (ref: CRM.1668.044.GE.R.001.C dated October 2025) and Omnia (ref: A12782/1.0 dated August 2026) where testing is relevant to the provided screening values.

4.1 Water UK Assessment

In accordance with the guidance provided by Water UK in their 2014 guidance, the provided Risk Assessment has been completed by Omnia and is provided within Appendix VII.

In accordance with the provided screening criteria, no exceedances have been identified such that PE pipework is considered to be appropriate for the site when considering the Water UK guidance only.

4.2 Portsmouth Water Assessment

The screening values provided to Omnia by Portsmouth Water are included within Appendix VIII.

The guidance notes state that *“the laboratory analysis suite must include any contaminants identified as potentially present by the desk study. As a minimum, even on a site described as ‘green field’ the analysis should include banded Total Petroleum Hydrocarbons and speciated Poly Aromatic Hydrocarbons.”* The contaminants included within the Desk Top Study produced by Enzygo (ref: CRM.1668.044.GE.R.001.C dated October 2025), include Asbestos, Hydrocarbons and Metals. All of these determinants have been analysed, and therefore it is considered that the requirements of the Portsmouth Water analysis have been met.

The results of the comparison to Portsmouth Water screening values have been completed utilising available chemical results from Enzygo, as well as Omnia, a summary of the identified exceedances are presented within Table 4-1.

Table 4-1 Summary of Portsmouth Water Pipework Assessment

Determinant	Units	GAC	n	EC	Loc. of Ex
PAH					
Fluoranthene	mg/kg	0.5	27	0.54	TP207 1.3 – 1.4m bgl
Phenanthrene				0.73	WS8 0.3m bgl
Benzo(a)anthracene				0.54	
Chrysene				0.57	
Benzo(b)fluoranthene				0.61	
Benzo(a)pyrene				0.51	

Referring to Table 4-1 above, the results of this direct comparison indicate that there have been exceedances of adopted screening criteria for individual PAHs from the samples collected on-site in two (2no.) locations only.

4.3 Water Pipework Discussion

Following review of the above Water UK and Portsmouth Water pipework assessments, it can be seen that with the exception of two (2no.) discrete locations (WS8 and TP207), that PE pipe is considered suitable for the majority of the site.

Following review of the provided Cut and Fill plans for the site (Robert West Cut and Fill Isopachyte Shet 1 of 2 5988-005-5801-T02 dated 17/09/26), WS8 and TP207 are both in areas where fill is proposed to 0.0-0.6m above existing ground level.

The exceedance within WS8 is located within Topsoil (0.00 – 1.00m bgl), and therefore it is considered that this material will be stripped initially, and no water pipework will be placed within this material. Notwithstanding this, the cut and fill has assumed a 650mm Topsoil strip across site, such that again, this material will be removed as part of works. The Topsoil will likely be reused in areas of soft landscaping, but this will be above the installed water pipework. The concentration of PAH's identified is not considered to pose a risk to leaching or migrating into different layers and therefore it is not considered this will present a significant risk to the pipework. Furthermore, three (3no.) locations were completed within 5m of the original WS8 location (TP201, TP202 & TP203). None of these three (3no.) locations identified PAH's above the Portsmouth Water screening value. The samples analysed from these locations ranged from 0.0 – 1.5m bgl such that it is not considered that PAH is present at a significant concentration below the original tested depth (0.3m bgl). It is therefore considered that WS8 is isolated, and not representative of significant contamination across the site. Given the above considerations, it is not considered that barrier pipe will be required in the area of WS8, and PE pipe will be suitable.

The exceedance within TP207 is located within natural head deposits at a depth of 1.30 – 1.40m bgl. Given the proposed fill in the area, it is considered that the exceedance will be located at 1.30 – 2.00m bfgl. It is understood from the client that water pipework will be placed at a depth of 0.7 – 0.9m bfgl, such that the concentration above the threshold value at TP207 will not coincide with the placed pipework. Furthermore, no further exceedances of PAH have been identified in the area of TP207, and the locations have recorded only natural strata, such that it is not considered a potential source of contamination is present. Given that the exceedance identified is marginal (only 0.04mg/kg above the threshold value), and the above considerations, it is not considered that the concentration of PAH identified at TP207 will pose a significant risk to the pipework, and therefore barrier pipe is not considered to be required.

It is therefore considered that PE pipework is suitable for the entire site, and no remedial measures are required.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Following completion of testing across the site, and completion of both the Water UK and Portsmouth Water Pipework risk assessments, it is considered that PE pipework is suitable for the entire site, and no remedial measures are required.

END OF REPORT

APPENDIX I

LIMITATIONS

1. General

This report has been prepared by Omnia for the sole use of the Client for the specific purposes described within the report. It should not be relied upon by any third party without the prior written agreement of Omnia.

The report must be read as a whole; no reliance should be placed on individual sections or extracts in isolation.

The advice and opinions presented are subject to the scope of works, agreed fee, programme and terms and conditions under which the report was prepared.

2. Basis of Assessment

The findings and opinions presented in this report are based on information obtained from:

- Site investigation works (where undertaken);
- Desk-based information and third-party data;
- Observations made during any site visits.

Due to the nature of ground investigations and environmental assessments, the data available is necessarily limited and conditions may vary spatially and temporally. The report therefore presents an interpretation of conditions at discrete locations and points in time.

Ground conditions between, around and beneath exploratory locations may differ from those identified.

2. Data and Third-Party Information

Omnia has relied upon information provided by third parties, statutory bodies, and the Client. Unless otherwise stated, this information has not been independently verified.

Omnia accepts no responsibility for the accuracy, completeness or omission of such third-party information, and any subsequent changes to that information are not reflected in this report.

3. Scope and Purpose

This report has been prepared for the specific development and purpose described. It should not be used for any other purpose, site layout, or development scenario without prior review and written confirmation by Omnia.

Where recommendations are provided, these are based on the information available at the time of reporting and may require revision should additional information become available.

4. Limitations of Ground Investigation and Environmental Assessment

Where ground investigation has been undertaken, it represents a sampling exercise and does not provide complete coverage of the site.

Accordingly:

- Unrecorded features, obstructions or contamination may be present;
- Groundwater levels and gas regimes may vary with time;
- Soil and made ground properties may differ from those encountered.

Environmental risk assessments and contamination assessments are based on a conceptual model developed from available data and should be updated if new information becomes available.

5. Limitations of Ground Investigation and Environmental Assessment

Where ground investigation has been undertaken, it represents a sampling exercise and does not provide complete coverage of the site.

Accordingly:

- Unrecorded features, obstructions or contamination may be present;
- Groundwater levels and gas regimes may vary with time;
- Soil and made ground properties may differ from those encountered.

Environmental risk assessments and contamination assessments are based on a conceptual model developed from available data and should be updated if new information becomes available.

5. Changes in Conditions and Legislation

Ground and environmental conditions may change over time due to:

- Construction activities;

- Changes in groundwater regime;
- Introduction of contaminants;
- Weathering or seasonal effects.

This report reflects conditions at the time of investigation only.

Omnia has no obligation to update this report following its issue unless formally instructed to do so.

6. Liability

This report has been prepared with reasonable skill, care and diligence in accordance with generally accepted industry practice and current UK standards.

Omnia's liability is limited to that defined in its appointment with the Client. No liability is accepted to any third party.

7. Use by Third Parties

Where this report is issued to a third party, no duty of care is extended unless explicitly agreed in writing by Omnia.

Third parties who rely on this report do so at their own risk.

8. Validity and Further Work

Should additional information become available which may affect the findings or recommendations contained within this report, Omnia reserves the right to review and revise the report as necessary. Further investigation, monitoring or assessment may be required as part of the design and construction process.

APPENDIX II

FIGURES

Key

 Site Boundary



Scale 1:40,000	Paper Size A4
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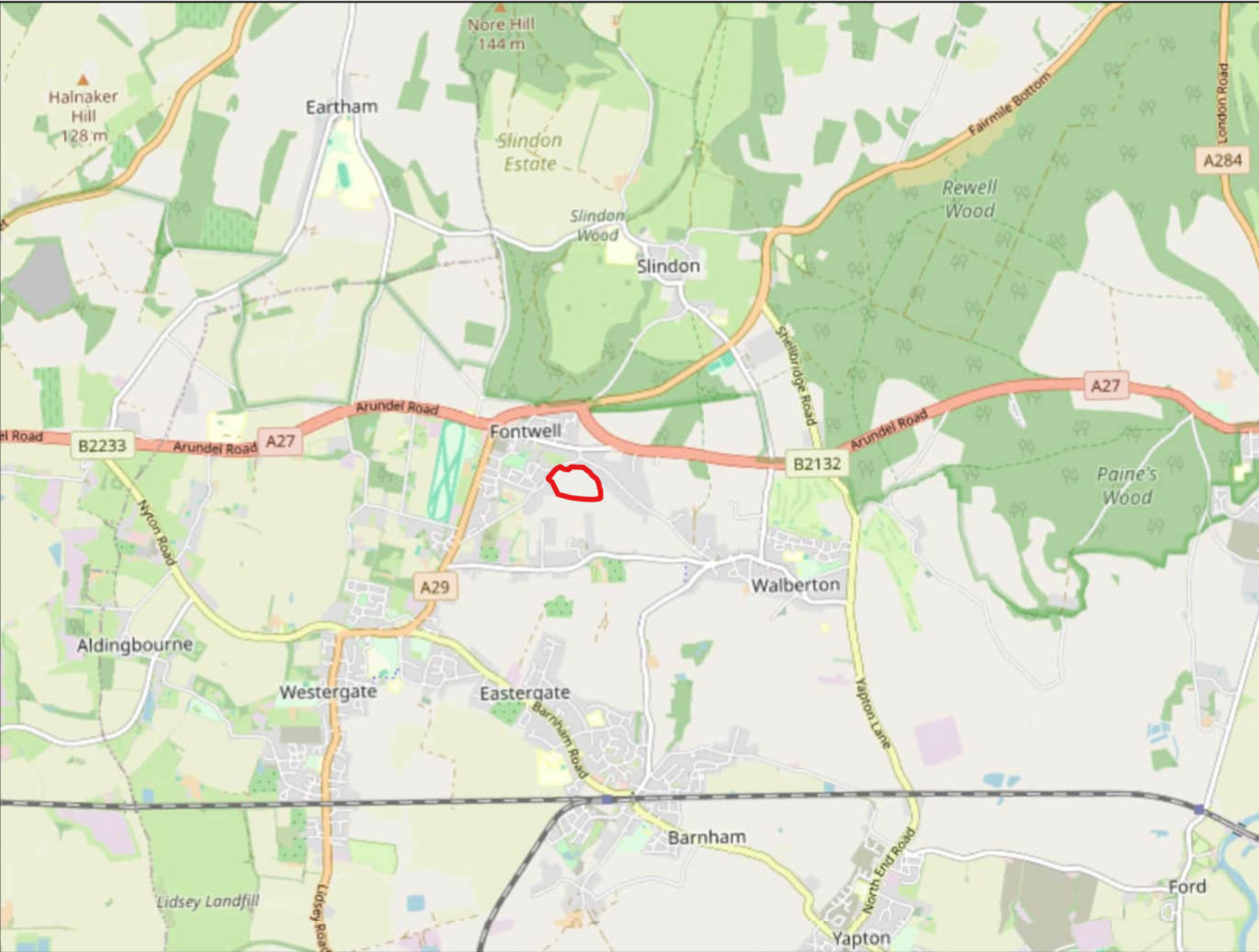
© OpenStreetMap contributors

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Job Title:
Wandleys Lne, Arundel

Client:
Bellway Homes Limited
(Wessex)

Project Number:
A12782

Drawn By:
C. Marshall

Date:
17/08/2026

Authorised By:
O. Maxwell

Drawing Title:
Figure 1.0
Site Location Plan

Key

 Site Boundary



Handpit and Lab CBR Sample/Test 

TRL Probe 

0 40 80 m

Scale
1:1,700

Paper Size
A4

Contains client supplied drawing from Robert West (ref: Level Strategy 5988-005-5302-A01 and Levels Strategy 5988-005-5301-A01) dated 01/06/2026.

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Job Title:
Wandleys Lne, Arundel

Client:
Bellway Homes Limited
(Wessex)

Project Number:
A12782

Drawn By:
C. Marshall

Date:
17/08/2026

Authorised By:
O. Maxwell

Drawing Title:
Figure 2.0
Proposed Development Plan

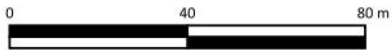


Key

- Site Boundary
- UK-WIR TP
- WS8 Buffer



- Handpit and Lab CBR Sample/Test ●
- TRL Probe ●



Scale
1:1,700

Paper Size
A4

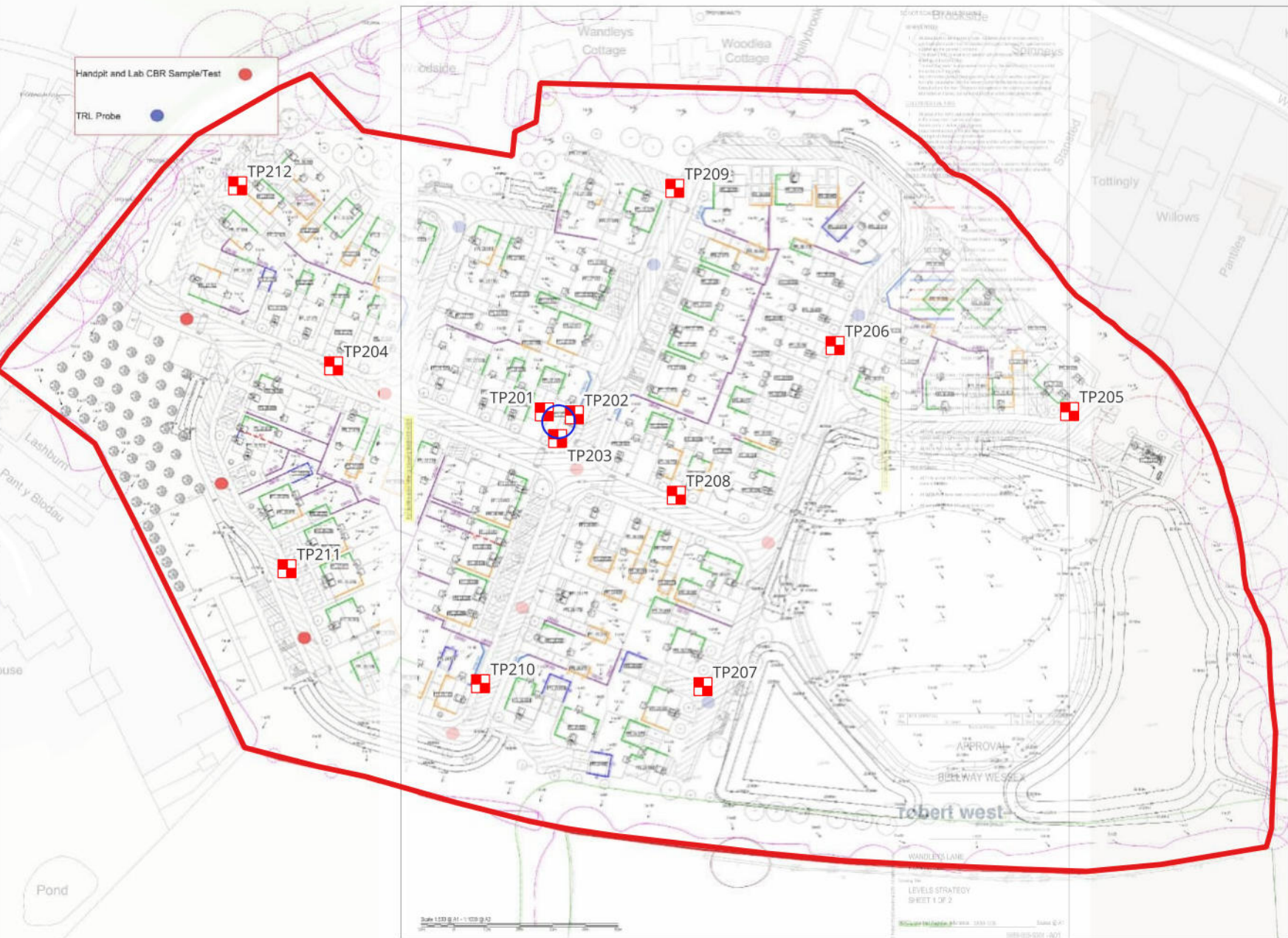
Contains Robert West drawing (ref: 5988-005-5301-A01 and 5988-005-5302-A01) dated June 2026.

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Job Title:
Land East of Wandleys Lane,
Fontwell

Client:
Bellway Homes

Project Number:
A12782

Drawn By:
C. Marshall

Date:
21/08/2026

Authorised By:
O. Maxwell

Drawing Title:
Figure 3.0 Intrusive Location
Plan

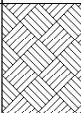
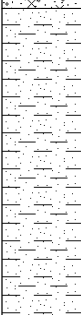
APPENDIX III INTRUSIVE LOGS

				Trial Pit Log				Trialpit No TP201 Sheet 1 of 1	
Project Name: Wandleys Lane, Fontwell				Project No. A12782		Co-ords: 495598.01 - 106696.99 Level: 26.84		Date 30/07/2026	
Location: Wandleys Lane, Fontwell, Arundel, PO20 3SE						Dimensions (m): Depth 1.50 2.5		Scale 1:20 Logged AD	
Client: Bellway Homes									
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.00 - 0.25	ES		0.25	26.59		Grey dry and friable slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [TOPSOIL]		
	0.30 - 0.40	ES					Light brown silty gravelly fine to coarse SAND with low cobble content of subangular flint. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]		
	0.60 - 0.70	ES					Brown clayey sandy angular to subrounded fine to coarse GRAVEL of flint. Sand is fine to coarse. [HEAD DEPOSITS]		
		1.40 - 1.50	ES		1.50	25.34		End of pit at 1.50 m	
									1
									2
									3
									4
Remarks: 1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No Groundwater Encountered									
Stability: STABLE									





				Trial Pit Log				Trialpit No TP205 Sheet 1 of 1	
Project Name: Wandleys Lane, Fontwell				Project No. A12782		Co-ords: 495758.01 - 106696.86 Level: 24.20		Date 30/07/2026	
Location: Wandleys Lane, Fontwell, Arundel, PO20 3SE						Dimensions (m): Depth 1.50 0.4 1.2		Scale 1:20 Logged AD	
Client: Bellway Homes									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.40	ES		0.30	23.90		Grey dry and friable slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [TOPSOIL]	1
	0.55 - 0.65	ES		0.55	23.65		Light brown silty very gravelly fine to coarse SAND with low cobble content of subangular flint. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]	
							Soft orangeish brown mottled grey very sandy CLAY. Sand is fine to coarse. [HEAD DEPOSITS]	
	1.40 - 1.50	ES		1.40 1.50	22.80 22.70		Orangeish brown clayey fine to coarse SAND. [HEAD DEPOSITS]	
							End of pit at 1.50 m	2
								3
								4

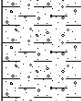
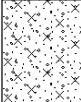
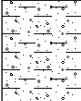
Remarks: 1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No Groundwater Encountered

Stability: STABLE





				Trial Pit Log				Trialpit No TP207 Sheet 1 of 1	
Project Name: Wandleys Lane, Fontwell				Project No. A12782		Co-ords: 495645.97 - 106612.84 Level: 24.78		Date 30/07/2026	
Location: Wandleys Lane, Fontwell, Arundel, PO20 3SE						Dimensions (m): Depth 1.40 0.4 1.2		Scale 1:20 Logged AD	
Client: Bellway Homes									

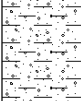
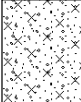
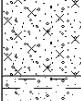
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.00 - 0.30	ES					Grey dry and friable slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [TOPSOIL]	1	
	0.30 - 0.50	ES		0.30	24.48				Light brown silty very gravelly fine to coarse SAND with low cobble content of subangular flint. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]
				0.60	24.18				
	1.30 - 1.40	ES		1.40	23.38		End of pit at 1.40 m	2	
								3	
								4	

Remarks: 1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No Groundwater Encountered

Stability: STABLE



				Trial Pit Log				Trialpit No TP208 Sheet 1 of 1	
Project Name: Wandleys Lane, Fontwell				Project No. A12782		Co-ords: 495638.00 - 106671.00 Level: 26.17		Date 30/07/2026	
Location: Wandleys Lane, Fontwell, Arundel, PO20 3SE						Dimensions (m): Depth 1.30 0.4 1.2		Scale 1:20 Logged AD	
Client: Bellway Homes									

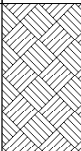
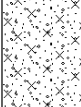
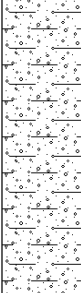
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 0.30	ES					Grey dry and friable slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [TOPSOIL]	
	0.30 - 0.50	ES		0.30	25.87		Light brown silty very gravelly fine to coarse SAND with low cobble content of subangular flint. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]	
	0.90 - 1.10	ES		0.80	25.37		Brown gravelly very sandy CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]	1
				1.30	24.87		End of pit at 1.30 m	
								2
								3
								4

Remarks: 1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No Groundwater Encountered

Stability: STABLE



				Trial Pit Log			Trialpit No TP209 Sheet 1 of 1		
Project Name: Wandleys Lane, Fontwell				Project No. A12782		Co-ords: 495638.11 - 106762.60 Level: 26.87		Date 30/07/2026	
Location: Wandleys Lane, Fontwell, Arundel, PO20 3SE						Dimensions (m): Depth 1.50 0.4 1.2		Scale 1:20 Logged AD	
Client: Bellway Homes									

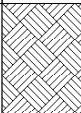
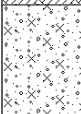
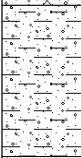
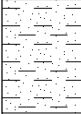
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.40	ES		0.40	26.47		Grey dry and friable slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [TOPSOIL]	1
	0.50 - 0.60	ES					Light brown silty very gravelly fine to coarse SAND with low cobble content of subangular flint. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]	
	0.90 - 1.00	ES		0.70	26.17		Orangeish brown very clayey sandy angular to subrounded fine to coarse GRAVEL of flint. Sand is fine to coarse. [HEAD DEPOSITS]	
				1.50	25.37	End of pit at 1.50 m		
								2
								3
								4

Remarks: 1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No Groundwater Encountered

Stability: STABLE



				Trial Pit Log				Trialpit No TP210 Sheet 1 of 1	
Project Name: Wandleys Lane, Fontwell				Project No. A12782		Co-ords: 495577.93 - 106614.03 Level: 24.87		Date 30/07/2026	
Location: Wandleys Lane, Fontwell, Arundel, PO20 3SE						Dimensions (m): 0.4 Depth 1.30 1.2 0.4		Scale 1:20 Logged AD	
Client: Bellway Homes									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.40	ES		0.30	24.57		Grey dry and friable slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [TOPSOIL]	1
							Grey silty sandy angular to subrounded GRAVEL of flint. Sand is fine to coarse. [HEAD DEPOSITS]	
	0.60 - 0.70	ES		0.60	24.27		Soft brown very gravelly sandy CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]	
	1.00 - 1.10	ES		1.00	23.87		Firm brown mottled greyish brown sandy CLAY. Sand is fine to coarse. [HEAD DEPOSITS]	
				1.30	23.57		End of pit at 1.30 m	2
								3
								4

Remarks: 1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No Groundwater Encountered

Stability: STABLE



				Trial Pit Log				Trialpit No TP211 Sheet 1 of 1	
Project Name: Wandleys Lane, Fontwell				Project No. A12782		Co-ords: 495519.06 - 106649.06 Level: 25.33		Date 30/07/2026	
Location: Wandleys Lane, Fontwell, Arundel, PO20 3SE						Dimensions (m): 2.5 Depth 1.15 0.6 2.5		Scale 1:20 Logged AD	
Client: Bellway Homes									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 0.25	ES					Grey dry and friable slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [TOPSOIL]	
	0.30 - 0.40	ES		0.25	25.08		Grey silty sandy angular to subrounded GRAVEL of flint. Sand is fine to coarse. [HEAD DEPOSITS]	
	0.80 - 0.90	ES		0.70	24.63		Firm brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint. [HEAD DEPOSITS]	1
				1.15	24.18		End of pit at 1.15 m	2
								3
								4

Remarks: 1. Position scanned with calibrated CAT & 'Genny' prior to excavation. 2. No Groundwater Encountered

Stability: STABLE





APPENDIX IV PHOTOGRAPHS

Photograph 1 – TP201 Arisings	Photograph 2 – TP211 Arisings
	

*Photographs provided by Omnia

APPENDIX V

LABORATORY TESTING CERTIFICATES

Omnia Environmental Consulting
First Floor
Swan Buildings
20 Swan Street
M4 5JW

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

t:

e: samples@omnia-consulting.co.uk; olivia.maxwell@omnia-consulting.co.uk

Analytical Report Number : 26-042296

Replaces Analytical Report Number: 26-042296, issue no. 1
Additional analysis undertaken.
Additional TPH bands added at clients request

Project / Site name:	Wandleys Lane, Fontwell	Samples received on:	03/08/2026
Your job number:	A12782	Samples instructed on/ Analysis started on:	04/08/2026
Your order number:	193665	Analysis completed by:	01/09/2026
Report Issue Number:	2	Report issued on:	03/09/2026
Samples Analysed:	12 soil samples		

Signed: _____

Adam Fenwick
Customer Relationship Manager
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: 26-042296
Project / Site name: Wandleys Lane, Fontwell
Your Order No: 193665

Lab Sample Number	1004811	1004812	1004813	1004814	1004815
Sample Reference	TP202	TP203	TP205	TP206	TP207
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)	0.50-0.60	0.00-0.30	1.40-1.50	0.00-0.30	1.30-1.40
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5.8	3.3	15	4.2	18
Total mass of sample received	kg	0.1	NONE	0.2	0.1	0.2	0.2	0.2

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	0.06
Phenanthrene	mg/kg	0.05	MCERTS	0.06	0.17	0.05	0.07	0.34
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.08
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.34	< 0.05	0.11	0.54
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.33	< 0.05	0.1	0.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.18	< 0.05	0.09	0.25
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.21	< 0.05	0.08	0.21
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.25	< 0.05	0.15	0.28
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	0.09
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	0.13	< 0.05	< 0.05	0.15
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	0.13	< 0.05	< 0.05	0.16

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	1.8	< 0.80	< 0.80	2.68
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Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC10 _{HS,1D,AL}	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC10 - EC12 _{EH,CU,1D,AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC10 - EC16 _{EH,CU,1D,AL}	mg/kg	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	3.8
TPHCWG - Aliphatic >EC12 - EC16 _{EH,CU,1D,AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	3.8
TPHCWG - Aliphatic >EC16 - EC40 _{EH,CU,1D,AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	13

TPHCWG - Aromatic >EC5 - EC10 _{HS,1D,AR}	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC10 - EC12 _{EH,CU,1D,AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC10 - EC16 _{EH,CU,1D,AR}	mg/kg	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TPHCWG - Aromatic >EC12 - EC16 _{EH,CU,1D,AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC40 _{EH,CU,1D,AR}	mg/kg	10	NONE	< 10	20	< 10	< 10	< 10

Petroleum Range Organics (EC6 - EC10) _{HS,1D,TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC25) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	14
TPH (EC25 - EC40) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	15	< 10	< 10	< 10
TPH (EC10 - EC40) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	20	< 10	< 10	20

VOCs

Chloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Analytical Report Number: 26-042296
 Project / Site name: Wandleys Lane, Fontwell
 Your Order No: 193665

Lab Sample Number				1004811	1004812	1004813	1004814	1004815
Sample Reference				TP202	TP203	TP205	TP206	TP207
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)				0.50-0.60	0.00-0.30	1.40-1.50	0.00-0.30	1.30-1.40
Date Sampled				30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Trichloroethene	µg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Dibromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Analytical Report Number: 26-042296
Project / Site name: Wandleys Lane, Fontwell
Your Order No: 193665

Lab Sample Number	1004811	1004812	1004813	1004814	1004815
Sample Reference	TP202	TP203	TP205	TP206	TP207
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)	0.50-0.60	0.00-0.30	1.40-1.50	0.00-0.30	1.30-1.40
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0

MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

VOCs TICs

VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND

Analytical Report Number: 26-042296
Project / Site name: Wandleys Lane, Fontwell
Your Order No: 193665

Lab Sample Number	1004811	1004812	1004813	1004814	1004815
Sample Reference	TP202	TP203	TP205	TP206	TP207
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)	0.50-0.60	0.00-0.30	1.40-1.50	0.00-0.30	1.30-1.40
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	0.1	0.1	0.2	0.1	0.4
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Azobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Carbazole	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	0.4	0.4	0.7	0.3	1.3
Anthraquinone	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

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Lab Sample Number	1004811	1004812	1004813	1004814	1004815
Sample Reference	TP202	TP203	TP205	TP206	TP207
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)	0.50-0.60	0.00-0.30	1.40-1.50	0.00-0.30	1.30-1.40
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name	N/A	N/A	NONE	ND	1-Nonadecene	Tridecane	1-Nonadecanol	1-Hexanol, substituted
SVOC % Match	%	N/A	NONE	ND	96	92	92	95
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	Oxirane, substituted	1-Hexanol, substituted	ND	Hexadecane
SVOC % Match	%	N/A	NONE	ND	95	91	ND	91
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	Pentacosane	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	91	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND

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

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Lab Sample Number	1004816	1004817	1004818	1004819	1004820
Sample Reference	TP208	TP209	TP210	TP211	TP211
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)	0.90-1.00	0.50-0.60	0.60-0.70	0.00-0.25	0.80-0.90
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	5.4	17	3.4	16
Total mass of sample received	kg	0.1	NONE	0.2	0.2	0.2	0.2	0.2

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	0.08	0.11	0.07	0.09	< 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	0.07	0.36	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	0.37	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.24	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.27	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	0.35	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 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	0.17	< 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	0.18	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	2.03	< 0.80
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Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC10 _{HS,1D,AL}	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC10 - EC12 _{EH,CU,1D,AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC10 - EC16 _{EH,CU,1D,AL}	mg/kg	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH,CU,1D,AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC40 _{EH,CU,1D,AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC10 _{HS,1D,AR}	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC10 - EC12 _{EH,CU,1D,AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC10 - EC16 _{EH,CU,1D,AR}	mg/kg	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TPHCWG - Aromatic >EC12 - EC16 _{EH,CU,1D,AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC40 _{EH,CU,1D,AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

Petroleum Range Organics (EC6 - EC10) _{HS,1D,TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC25) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH (EC25 - EC40) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH (EC10 - EC40) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

VOCs

Chloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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 Your Order No: 193665

Lab Sample Number				1004816	1004817	1004818	1004819	1004820
Sample Reference				TP208	TP209	TP210	TP211	TP211
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)				0.90-1.00	0.50-0.60	0.60-0.70	0.00-0.25	0.80-0.90
Date Sampled				30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Trichloroethene	µg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Dibromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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Lab Sample Number	1004816	1004817	1004818	1004819	1004820
Sample Reference	TP208	TP209	TP210	TP211	TP211
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)	0.90-1.00	0.50-0.60	0.60-0.70	0.00-0.25	0.80-0.90
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0

MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

VOCs TICs

VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
VOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND

Analytical Report Number: 26-042296
Project / Site name: Wandleys Lane, Fontwell
Your Order No: 193665

Lab Sample Number	1004816	1004817	1004818	1004819	1004820
Sample Reference	TP208	TP209	TP210	TP211	TP211
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)	0.90-1.00	0.50-0.60	0.60-0.70	0.00-0.25	0.80-0.90
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	0.3	< 0.1	0.2	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Azobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Carbazole	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	1	< 0.2	0.5	< 0.2	0.3
Anthraquinone	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

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Lab Sample Number	1004816	1004817	1004818	1004819	1004820
Sample Reference	TP208	TP209	TP210	TP211	TP211
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)	0.90-1.00	0.50-0.60	0.60-0.70	0.00-0.25	0.80-0.90
Date Sampled	30/07/2026	30/07/2026	30/07/2026	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

SVOCs TICs

SVOCs TICs Compound Name	N/A	N/A	NONE	1-Hexanol, substituted	ND	Tridecane	1-Nonadecanol	Dodecane
SVOC % Match	%	N/A	NONE	92	ND	93	95	94
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND	ND	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND	ND	ND	ND

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

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Project / Site name: Wandleys Lane, Fontwell
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Lab Sample Number				1004821	1004822
Sample Reference				TP212	TP201
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.30-0.40	1.40-1.50
Date Sampled				30/07/2026	30/07/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5	18
Total mass of sample received	kg	0.1	NONE	0.2	0.2

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	0.07
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.06	0.05
Pyrene	mg/kg	0.05	MCERTS	0.06	< 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	ISO 17025	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 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	ISO 17025	< 0.80	< 0.80
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Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC10 _{HS,1D,AL}	mg/kg	1	NONE	< 1.0	< 1.0
TPHCWG - Aliphatic >EC10 - EC12 _{EH,CU,1D,AL}	mg/kg	1	MCERTS	< 1.0	< 1.0
TPHCWG - Aliphatic >EC10 - EC16 _{EH,CU,1D,AL}	mg/kg	3	NONE	< 3.0	< 3.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH,CU,1D,AL}	mg/kg	2	MCERTS	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC40 _{EH,CU,1D,AL}	mg/kg	10	NONE	< 10	< 10

TPHCWG - Aromatic >EC5 - EC10 _{HS,1D,AR}	mg/kg	1	NONE	< 1.0	< 1.0
TPHCWG - Aromatic >EC10 - EC12 _{EH,CU,1D,AR}	mg/kg	1	MCERTS	< 1.0	< 1.0
TPHCWG - Aromatic >EC10 - EC16 _{EH,CU,1D,AR}	mg/kg	3	NONE	< 3.0	< 3.0
TPHCWG - Aromatic >EC12 - EC16 _{EH,CU,1D,AR}	mg/kg	2	MCERTS	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC40 _{EH,CU,1D,AR}	mg/kg	10	NONE	< 10	< 10

Petroleum Range Organics (EC6 - EC10) _{HS,1D,TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0
TPH (EC10 - EC25) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	< 10
TPH (EC25 - EC40) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	< 10
TPH (EC10 - EC40) _{EH,CU,1D,TOTAL}	mg/kg	10	MCERTS	< 10	< 10

VOCs

Chloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Chloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Bromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0

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 Project / Site name: Wandleys Lane, Fontwell
 Your Order No: 193665

Lab Sample Number				1004821	1004822
Sample Reference				TP212	TP201
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.30-0.40	1.40-1.50
Date Sampled				30/07/2026	30/07/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	< 5.0
Chloroform	µg/kg	5	MCERTS	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	< 6.0
Trichloroethene	µg/kg	10	MCERTS	< 10	< 10
Dibromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	< 10
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	< 6.0
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	< 5.0	< 5.0
Bromoform	µg/kg	5	MCERTS	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	< 5.0
Bromobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	< 5.0

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Lab Sample Number				1004821	1004822
Sample Reference				TP212	TP201
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.30-0.40	1.40-1.50
Date Sampled				30/07/2026	30/07/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0

MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005

VOCs TICs

VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND
VOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
VOC % Match	%	N/A	NONE	ND	ND

Analytical Report Number: 26-042296
Project / Site name: Wandleys Lane, Fontwell
Your Order No: 193665

Lab Sample Number	1004821	1004822
Sample Reference	TP212	TP201
Sample Number	None Supplied	None Supplied
Water Matrix	N/A	N/A
Depth (m)	0.30-0.40	1.40-1.50
Date Sampled	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection
		Test Accreditation Status

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	0.2
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	< 0.2
Azobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	< 0.30
Carbazole	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2	0.7
Anthraquinone	mg/kg	0.3	NONE	< 0.3	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	< 0.3

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Lab Sample Number	1004821	1004822
Sample Reference	TP212	TP201
Sample Number	None Supplied	None Supplied
Water Matrix	N/A	N/A
Depth (m)	0.30-0.40	1.40-1.50
Date Sampled	30/07/2026	30/07/2026
Time Taken	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection
		Test Accreditation Status

SVOCs TICs

SVOCs TICs Compound Name	N/A	N/A	NONE	Tridecane	1-Hexanol, substituted
SVOC % Match	%	N/A	NONE	91	93
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	Tridecane
SVOC % Match	%	N/A	NONE	ND	92
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND
SVOCs TICs Compound Name	N/A	N/A	NONE	ND	ND
SVOC % Match	%	N/A	NONE	ND	ND

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

Analytical Report Number : 26-042296

Project / Site name: Wandleys Lane, Fontwell

* 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 *
1004811	TP202	None Supplied	0.50-0.60	Brown sand with gravel
1004812	TP203	None Supplied	0.00-0.30	Brown loam and sand with vegetation and gravel
1004813	TP205	None Supplied	1.40-1.50	Brown clay and sand
1004814	TP206	None Supplied	0.00-0.30	Brown sand with gravel and vegetation
1004815	TP207	None Supplied	1.30-1.40	Brown clay and sand with gravel
1004816	TP208	None Supplied	0.90-1.00	Brown clay and sand with gravel
1004817	TP209	None Supplied	0.50-0.60	Brown sand with gravel
1004818	TP210	None Supplied	0.60-0.70	Brown clay and sand with gravel
1004819	TP211	None Supplied	0.00-0.25	Brown sand with gravel and vegetation
1004820	TP211	None Supplied	0.80-0.90	Brown clay and sand with gravel
1004821	TP212	None Supplied	0.30-0.40	Brown sand with gravel
1004822	TP201	None Supplied	1.40-1.50	Brown clay and sand with gravel

Analytical Report Number : 26-042296

Project / Site name: Wandleys Lane, Fontwell

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
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	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
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
Tentatively identified compounds (SVOC) in soil	Determination of semi-volatile organic compounds total ion count in soil by extraction with dichloromethane and hexane followed by GC-MS followed by a full library scan	In-house method based on USEPA 8270	L064B	D	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Tentatively identified compounds (VOC) in soil	Determination of volatile organic compounds total ion count in soil by headspace GC-MS followed by a full library scan	In-house method based on USEPA 8260	L073B	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	NONE
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

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 30°C.

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.

Where coal tar is reported as "indicative/not indicative", PAH source attribution has been assessed using the ratio of parent PAHs to alkylated PAHs to indicate a likely pyrogenic (coal tar-related) or petrogenic (bitumen-related) origin. This assessment is independent of total residue and/or benzo(a)pyrene concentrations and is provided for indicative purposes only; it represents a single line of evidence and does not, in isolation, constitute confirmation or classification as hazardous under WM3 guidance.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

APPENDIX VI

**ENZYGO GROUND INVESTIGATION REPORT (REF: CRM.1668.044.GE.R.001.C DATED OCTOBER
2025)**

APPENDIX VII

WATER UK WATER PIPEWORK ASSESSMENT

Contaminated Land Assessment Guidance

Protocols published by agreement between Water UK and the Home Builders Federation



Published by Water UK

January 2014

Introduction

In January 2011, UK Water Industry Research (UKWIR) published "Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites" (Ref 10/WM/03/21; the 'UKWIR Guidance'). Its aim is to ensure that the correct materials are selected for water pipes and components to be used below ground in brownfield sites to protect the quality of drinking water whilst taking into account the service life of the water distribution system. It supersedes the Water Regulations Advisory Scheme (WRAS) Information and Guidance Note 9-04-03 "Laying Pipes in Contaminated Land" which has been withdrawn.

The UKWIR Guidance is for use by developers, self-lay organisations, water companies and consultants when planning, designing and constructing water mains and/or services in brownfield sites. It defines brownfield sites as "land or premises that have previously been used or developed. They may also be vacant or derelict. However, they are not necessarily contaminated." The UKWIR Guidance states that it does not apply to greenfield sites; however, we consider this supplementary guidance and the relevant sections of the UKWIR guidance as being equally suitable for application to those greenfield sites considered to be potentially affected by contamination. Where greenfield sites are not affected by contamination a preliminary risk assessment (see below) will suffice.

The UKWIR Guidance also states that there should be no departure from its provisions "*except where formally approved by the Water Company, such departure being technically justifiable or representing advances in knowledge or product development*".

We have adopted the UKWIR Guidance in principle and produced this supplementary guidance which includes the Risk Assessment for Water Pipes (the 'RA').

This guidance does not cover operative safety, health exposure modelling or accidental pipe damage.

Author

Robert Lingard

Contributors

Rob Ankers, Steve Atkinson, Mark Fawcett, Laura McDonough, Mark Rostron, Kye Smith, Angus Turner, Steve Wielebski

Risk Assessment for Water Pipes in Land Potentially Affected by Contamination

Any application for new water supplies to a development (construction of new properties, or renovation or conversion of existing buildings) in land potentially affected by contamination shall include a completed RA.

As a minimum a desk study (preliminary risk assessment) shall be provided with the RA in accordance with the framework in Environment Agency publication “Model Procedures for the Management of Land Contamination” (ref: CLR11) that sets out whether the land through which the pipes are to be laid may be affected by contamination. The application of the source, pathway, receptor concept will be an integral part of any pipeline risk assessment. For each potential source (the contamination) and each potential receptor (the water pipe), consideration shall be given to whether a potential pathway between source and receptor exists, or may exist in the future, linking the two. There are normally only three pathways by which contamination may come into contact with water pipes. These are direct contact with the soil or backfill, an excessive vapour phase or a contaminated groundwater regime. If none of these conditions exist on site (adopting the source, pathway, receptor concept) then it is likely that extended and/or targeted soil testing will not be required and a simple risk assessment will suffice. For those sites where land may be affected by contamination appropriate testing shall be undertaken on the materials within which the pipes are to be laid, whether that be existing ground materials, remediated materials or imported capping materials. The testing requirements are as described in the following section.

The signatories of the Water Supply Application Form and the RA must ensure that all assessments of land condition have been carried out in accordance with applicable current standards and guidelines by or under the direction of a suitably qualified competent person.

The competent person to be a) a chartered member of an appropriate professional body (such as the Institution of Civil Engineers, the Geological Society of London or the Royal Institution of Chartered Surveyors) with relevant experience of investigating contaminated sites or b) a Specialist in Land Condition (SiLC) with appropriate geo-environmental experience.

Testing Requirements

The soil, rock and if appropriate groundwater tests that are required on all sites where the potential for organic contamination has been identified in the desk study and where water pipes are proposed to be laid must be accredited by United Kingdom Accreditation Service (UKAS) as a minimum and where commercially available the Environment Agency's Monitoring Certification Service (MCERTS). These accredited tests should be undertaken for:

Banded hydrocarbons EC5-EC10, EC10-EC16, EC16-EC40 (Total aliphatic and aromatic hydrocarbons for each banding may be summed). Aliphatic/aromatic fractionation and subsequent banding may be required should a more detailed site specific risk assessment be undertaken. The bandings have been amended to take into account readily available laboratory tests. The equivalent carbon number (EC) is used to assess petroleum hydrocarbon mixtures rather than the actual number of carbon atoms in the molecule in line with guidance issued by the Environment Agency (2005).

Volatile organic compounds (VOCs) (method by head space or purge & trap GCMS) with tentative identification of compounds greater than 20µg/kg. The method used should be capable of detecting a wide range of compounds listed in US EPA Method 8260C or similar. The method should include analysis of naphthalene.

BTEX (Benzene, toluene, ethyl benzene and xylenes) plus MTBE (Methyl-tertiary butyl ether) (by head space GCMS)

Semi-Volatile Organic Compounds (SVOCs) (method by GCMS) with tentative identification of compounds greater than 20µg/kg. The method used should be capable of detecting the compounds listed in US EPA Method 8270D or similar. The total concentration of SVOCs excludes polycyclic aromatic hydrocarbons, ethers, nitrobenzene, ketones, aldehydes, phenols, cresols and chlorinated phenols. Phenols, cresols and chlorinated phenols which are detected by the SVOC analysis are given their own assessment criteria.

Table G1 and Table 3.1 of the UKWIR Guidance are not considered to be a definitive guide for assessing total concentrations. Table 1 in the RA below replaces Table 3.1 of the UKWIR Guidance.

Where previous site uses include the use, storage, treatment, disposal or manufacture of any of the following, appropriate testing for these substances will be required:

Ethers, nitrobenzene, ketones, aldehydes and amines. Note that the presence of amines on any site at the proposed pipe depth +/- 1.0m precludes the use of polyethylene. The methods of analysis and method of calculation of total concentrations of these compounds will need to be agreed with water company.

To comply with the testing requirements, the suites of tests that are required on all brownfield sites where wrapped steel, wrapped ductile iron or copper pipes are to be laid as minimum must include:

pH, Conductivity and redox potential

Sufficiency of Testing

Water pipes are normally laid at between 0.75 and 1.35m from finished ground level to crown of pipe. Samples taken and tested must represent both a) the soil in which the water pipes are to be laid and b) the soil down to at least 500mm below the underside of the proposed pipe. Where the proposed depth of the pipes is unknown at the time of application, soil samples representative of the ground condition between surface level and 1.5m below finished ground level shall be taken as a minimum. Where appropriate (see UKWIR Guidance) groundwater sampling and groundwater monitoring will also be necessary. Photo-ionisation detection (PID) monitoring along the proposed route of the pipeline may be employed, though this does not provide a definitive guide to the suitability of water pipe materials.

Where required a sufficient number of test results should be obtained from the material in which the pipes are to be laid. CLAIRE/CIEH 2008 "Guidance on comparing soil contamination data with a critical concentration" may be used, where appropriate, to justify the number of soil samples tested; however, this statistical model should not be used on heterogeneous materials or used to average test results from different types of materials.

Further guidance on representative sampling is contained within BS10175:2011 Code of Practice for the Investigation of Potentially Contaminated Sites, the Department of the Environment's Contaminated Land Research Report "Sampling strategies for contaminated land" prepared by The Centre for Research into the Built Environment, Nottingham Trent University (Ref: CLR 4; 1994) and the Environment Agency's "Secondary Model Procedure for the Development of Appropriate Soil Sampling Strategies for Land Contamination" (ref: R&D Technical Report P5-066/TR; 2000).

Where remediation has been carried out on the site, the test results obtained from validation samples will be used in the assessment. Where a horizontal capping system has been or will be employed using materials spread across a site, sufficient samples will need to be taken to characterise the capping material used and the results presented. However, the sufficiency of sampling on the horizontal capping system, in which the pipeline will be placed, may be assessed on the basis of the source, quantity and type of materials used.

Detection Limits

Only positive concentrations, ie those above the limit of detection should be used in summation of VOC and SVOC (or other test groups of compounds ie phenols, cresols and chlorinated phenols). Laboratory methods shall provide a minimum limit of detection of 10µg/kg for each individual VOC or SVOC (or other test groups of compounds) quantitatively detected in accordance with the methods described above. For tentatively identified compounds (TICs), only those compounds with a concentration of 20µg/kg or greater shall be used in the summation of VOC and SVOC (or other test groups of compounds).

Protective Measures

Where polyethylene, ductile iron, steel or copper pipes are to be laid on a brownfield site or other land potentially affected by contamination (whether or not it has been remediated) and where the concentrations exceed the generic guideline values set out in Table 1 of the RA, the developer shall provide either:

- a) a robust risk assessment to show how any contaminants will not significantly impact on proposed water supplies or buried assets over the lifetime of the assets; or
- b) more suitable pipe materials; or
- c) an engineering solution to protect the pipe work backed up by an adequate assessment of the risk.

Liquid free phase product (e.g. oil or free solvent layers) shall not remain in the ground or groundwater in the vicinity of water pipes, whether barrier pipe or any other pipe materials are used.

When designing pipe routes on land potentially affected by contamination, new preferential contamination pathways along the route of new water pipes shall not be created. Particular measures may be required to prevent the possible migration of contamination through pipe bedding and into controlled waters.

References

BS10175:2011 "Investigation of Potentially Contaminated Sites Code of Practice"

CLAIRE/CIEH "Guidance on comparing soil contamination data with a critical concentration" 2008

Department of the Environment Contaminated Land Research Report "Sampling strategies for contaminated land" prepared by The Centre for Research into the Built Environment, Nottingham Trent University (Ref: CLR 4) 1994

Environment Agency "Secondary Model Procedure for the Development of Appropriate Soil Sampling Strategies for Land Contamination" (ref: R&D Technical Report P5-066/TR) 2000

Environment Agency "Model Procedures for the Management of Land Contamination" (ref: CLR11), 2004

Environment Agency P5-080/TR3 "The UK Approach for Evaluating Human Health Risks from Petroleum Hydrocarbons in Soils", 2005

UK Water Industry Research (UKWIR) "Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites" (Ref 10/WM/03/21)" January 2011

Water Regulations Advisory Scheme (WRAS) Information and Guidance Note 9-04-03 "Laying Pipes in Contaminated Land" 2002

The risk assessment for water pipes will help you choose appropriate materials for your development. We are happy to deal with a risk assessment for water pipes in advance of any formal application for a new water supply.

The Risk assessment (RA)

Section 1: Development Details	
Development Name <i>(if it has one)</i>	
Development Address	
OS Grid Reference <i>(mid point)</i>	
Developers Name	
Water company reference number	
Please provide details below of the current and historical use of the site and adjacent sites. <i>If your supporting information has details of the current and historical site use, please reference below the relevant sections of your report.</i>	

Section 2: Preliminary Risk Assessment	
Has your desk study and site walkover identified any land potentially affected by contamination?	☐ Yes ☐ No
If the site is potentially affected by contamination but you have not completed any intrusive site investigation please provide details below of the rationale behind the intended pipe selection. <i>If your supporting information has details of the rationale behind the intended pipe selection, please reference below the relevant sections of your report.</i>	
Section 3: Intrusive Site Investigation	
Have you completed any intrusive site investigation?	☐ Yes ☐ No
Date(s) when the site investigation(s) undertaken	
At what level has groundwater been encountered?	☐ metres below ground level or ☐ Not encountered
Table 1 (Pipeline Selection Risk Assessment Summary (PSRAS)) below classifies testing required where the preliminary risk assessment has identified land potentially affected by contamination. Please provide details below of any test groups which have not been tested and the rationale for not testing. <i>If your supporting information has details of the rationale behind not testing any particular test groups, please reference below the relevant sections of your report.</i>	

If the intrusive site investigation has identified concentrations above the PE threshold (see PSRAS) and your intended pipe selection is PE please provide details below of the rationale behind the intended pipe selection. <i>If your supporting information has details of the rationale behind the intended pipe selection, please reference below the relevant sections of your report.</i>

Section 4: Site Remediation	
Please provide details below of any site remediation (which may include a change in site levels) already completed. <i>If your supporting information has details of the site remediation already completed, please reference below the relevant sections of your report.</i>	
Has the PSRAS (Table 1) been completed using appropriate data after remediation?	☐ Yes ☐ No ☐ N/A
Please provide details below of any proposed site remediation and an analysis of whether this will affect your intended pipe selection. <i>If your supporting information has details of any proposed site remediation and whether this will affect your</i>	

<i>intended pipe selection, please reference below the relevant sections of your report.</i>	
Section 5: Final Use of Site	
Please provide details below of any chemicals (including fuel) to be stored on site and any other future contamination risks which may affect your intended pipe selection.	
<i>If your supporting information has details of potential contamination risks which may affect your intended pipe selection, please reference below the relevant sections of your report.</i>	
What water pipe materials are intended to be used on site?	☒ PE ☐ PE Barrier Pipe Type A ☐ PE Barrier Pipe Type B Other (please specify):

Section 6: Additional Information

Please use the section below to provide any additional details to support your intended pipe selection.

If your supporting information has additional information to support your intended pipe selection, please reference below the relevant sections of your report.

N/A

Section 7: Risk Assessor

Name and relevant qualifications of person directing the risk assessment for water pipes	Olivia Maxwell Principal Geo-Environmental Consultant with 8 years experience. MSCi Geophysics
Name and address of risk assessor's company	Omnia Consulting, Ground Floor, Unit 2 The Briars, Waterberry Drive, Waterloo, PO7 7YH
Date risk assessment performed	17/09/2026

Section 8: Declaration

I confirm I have completed this form and provided supporting information in accordance with 'UKWIR Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites' and the water company's Supplementary Guidance. I also confirm that if any further site investigation is needed and carried out, I will be required to submit an additional Risk Assessment for Water Pipes with the relevant supporting information. I understand that failure to supply any of the required information may delay my application being processed.

Name	Olivia Maxwell	Company	
Phone Number	01489 808 088	Date	17/09/2026

Table 1 - Pipe Selection Risk Assessment Summary (PSRAS)

- 1) Testing must be undertaken on the materials within which the pipes are to be laid, whether that be existing ground materials, remediated materials or imported capping materials. Please use the appropriate testing data to complete Table 1 below.
- 2) If more than one pipe selection is being made, for example, for pipes in different areas of a large site, a completed PSRAS is required for each selection.

What materials have been tested to populate Table 1 below?

☐ Existing ground materials ☐ Remediated materials ☐ Imported capping materials

All concentrations in mg/kg

Test Group	Testing Required?	PE threshold	Metal Pipes/ Barrier Pipe	Laboratory Detection Limit	Testing UKAS accredited Y/N	Maximum concentration at proposed pipeline depth See Note [2]	Maximum site concentration See Note [3]	Locations and depths where concentrations exceed proposed pipeline threshold
Total VOCs	Where Preliminary Risk Assessment (PRA) has identified land potentially affected by contamination	0.5	Pass					
Total BTEX & MTBE		0.1	Pass					
Total SVOCs (excluding PAHs and those substances marked with an *)		2	Pass					
EC5-EC10 aliphatic and aromatic hydrocarbons		2	Pass					
EC10-EC16 aliphatic and aromatic hydrocarbons		10	Pass					
EC16-EC40 aliphatic and aromatic hydrocarbons		500	Pass					
Phenols* (from SVOC analysis)		2	Pass					
Cresols and chlorinated phenols* (from SVOC analysis)		2	Pass					
Ethers*	Only where identified	0.5	Pass					
Nitrobenzene*		0.5	Pass					
Ketones*		0.5	Pass					
Aldehydes*		0.5	Pass					
Amines		Fail	Pass					
Corrosive	Conductivity, Redox and pH	Pass	See Note [1]					

Note [1] Threshold: For wrapped steel, corrosive if pH<7 and conductivity > 400µS/cm. For wrapped ductile iron corrosive if pH<5, Eh not neutral and conductivity > 400µS/cm. For copper, corrosive if pH<5 or >8 and Eh positive.

Note [2] Water pipes are normally laid at 0.75-1.35m below finished ground level.

Note [3] Also state if liquid free product is present in soil or groundwater.

APPENDIX VIII

PORTSMOUTH WATER SCREENING VALUES

Portsmouth Water Screening Criteria for the Use of PE Pipes

Parameter / Test (examples of products that may contain the parameter)	PE Threshold	Detection Limit ^{Note 5}
Total VOCs e.g. Solvents, white spirits, paint remover, dry cleaning fluids & naphthalene	0.5mg/kg	<0.01 mg/kg
Total BTEX / MTBE e.g. Petroleum derivatives & anti-knocking agents	0.1 mg/kg	<0.01 mg/kg
Total SVOCs (excluding PAHs & substances marked *) e.g. Pesticides, herbicides & plasticisers	2.0 mg/kg	< 0.1 mg/kg
Total PAH (Poly Aromatic Hydrocarbons) e.g. Asphalt / tar, ash, coal, crude oils and fuel use	10.0 mg/kg	< 0.1 mg/kg
Individual PAH's e.g. Benzo(a) pyrene, anthrazine & fluoranthene.	0.5 mg/kg	< 0.1 mg/kg
Aliphatic & aromatic hydrocarbons EC5 to EC10 e.g. Petrol	2.0 mg/kg	<0.01 mg/kg
Aliphatic & aromatic hydrocarbons EC10 to EC16 e.g. Creosote, kerosene & heating oil	10.0 mg/kg	< 1.0 mg/kg
Aliphatic & aromatic hydrocarbons EC16 to EC21 e.g. Diesel & heating oil	10.0 mg/kg	< 1.0 mg/kg
Aliphatic & aromatic hydrocarbons EC22 to EC40 e.g. Lubricating oils, heavy fuel oils, waxes, asphalt & pitch	500 mg/kg	< 2.0 mg/kg
Phenols* e.g. Epoxy resins, glue, plastics, disinfectants & plastics	2.0 mg/kg	< 0.5 mg/kg
Creosols & Chlorinated phenols* e.g. dye industry, wood preservatives, disinfectants & pesticides	2.0 mg/kg	< 0.5 mg/kg
Specific suite to be tested if desk study identifies a risk of such contaminants being present. For example;		
Ethers* e.g. anesthetic	0.5mg/kg	< 0.1 mg/kg
Nitrobenzene* e.g. dyes, rubber chemicals, pesticides, explosives	0.5mg/kg	< 0.1 mg/kg
Ketones* e.g. perfumes, solvents, explosives	0.5mg/kg	< 0.1 mg/kg
Aldehydes* e.g. laquers, paint & hydraulic fluids	0.5mg/kg	< 0.1 mg/kg
Amines e.g. surfactants, biocides, laundry detergents & preservatives	0.5mg/kg	< 0.1 mg/kg

Notes:

- The developer must provide a comprehensive desk study for the site detailing the site history (including a full sequence of historic maps), the location of any fuel or chemical storage tanks / areas, and any potentially contaminative uses. The report should include details of the initial pre-development site walkover survey identifying any areas of fly tipping, fuel / oil staining, fires sites etc.
- A site investigation report should be provided including logs and chemical analysis results. Site investigation locations must be targeted to any areas of potential contamination, and / or made ground, but also provide good site coverage of the area across which the water mains will be laid. If there is insufficient targeted investigation to be assess the risk as to whether contamination may be present additional site investigation should be requested.
- Sampling must be representative of where the pipes will be laid including samples taken of the topsoil, made ground and down to the planned pipe depth (usually 1m).
- The laboratory analysis suite must include any contaminants identified as potentially present by the desk study. As a minimum, even on a site described as 'green field' the analysis should include banded Total Petroleum Hydrocarbons and speciated Poly Aromatic Hydrocarbons.
- Samples must tested in an accredited laboratory (e.g. UKAS & MCERTS). The detection limit for the test must be lower than the specified PE threshold, a guide is provided in the table above.
- If the screening criteria set out in the table are exceeded, seek advice from the company Environment & Biodiversity Specialist, or the Water Quality Manager on how to proceed. For example, it may be possible to remove a small area of contamination, depending on groundwater levels and the mobility of the contaminants present.
- A watching brief should be requested on all sites. This must require Portsmouth Water to be notified if any contamination is found as the site is developed.
- If PE pipe is not approved and ductile iron is specified, refer to the UKWIR 2011 Table 1.1 for conductivity / pH restrictions.