# ADDENDUM REPORT ON A SITE INVESTIGATION

**Site**

**HIGH BAR LANE,**
**THAKEHAM, PULBOROUGH,**
**WEST SUSSEX, RH20 3EH**

**Client**

**HIGH BAR LANE LTD**

**Report Ref**
**26/13296/B/GO**

**Issued**
**October 2026**


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| DOCUMENT CONTROL | | |
|---|---|---|
| Report Title | Addendum Report on a Site Investigation | |
| Contract | High Bar Lane, Thakeham | |
| Client | **High Bar Lane Ltd** | |
| Report Reference | 26/13296/B/GO | |
| Prepared by | **G C D Owens** BSc MSc FGS MIEnvSc<br>Director |  |
| Approved by | **K J Clark** BSc Hons<br>Director | |

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|---|---|---|---|---|
| Revision | Status | Date | Issued by | Revision Detail |
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| | | | | |

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The following foreword should be read in conjunction with this report. Any variations on the general procedures outlined below are indicated in the text.

# FOREWORD

The recommendations made and opinions expressed in this Report are based on the strata conditions revealed by the fieldworks as indicated on the exploratory records, together with an assessment of the data from in situ and laboratory tests. No liability can be accepted for conditions which have not been revealed by the fieldworks, for example, between exploratory positions. While this Report may offer opinions on the possible configuration of strata, both between the excavations and below the maximum depth achieved by the investigation, these comments are for guidance only and no liability can be accepted for their accuracy. The data obtained relate to the conditions which are relevant at the time of the investigation.

The groundwater observations entered on exploratory records are those noted at the time of the investigation. The normal rate of progress does not usually permit the recording of any equilibrium water level for any one water strike. It should be noted that groundwater levels are prone to seasonal variation and to changes in local drainage conditions. The word 'none' indicates that groundwater was sealed off by the borehole casing or that no water was observed in the exploratory hole upon completion.

It should be appreciated that this report does not constitute a Geotechnical Design Report (GDR) as defined in Eurocode 7 and no aspect of this report constitutes a design. Specific sections of this report are generally in line with the guidance set out in Eurocode 7 for a Ground Investigation Report (GIR), as defined within BS EN 1997:-2 (2024). This provides guidance on the number and spacing of investigation positions, methods of investigation and sample quality class to be achieved which may not have been met by this investigation.

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**REPORT REF:** 26/13296/B/GO
**CONTRACT:** HIGH BAR LANE, THAKEHAM

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# 1 INTRODUCTION

A Phase 2 intrusive investigation was completed at High Bar Lane, Thakeham ("the site"), in January 2026 and following comments from the Local Authority, further investigation and testing has been requested of the proposed Public Open Space and spoil mound. Consequently, additional intrusive investigation has been undertaken to supplement the geo-environmental appraisal within the previous report reference 26/13296/GO Revision 1, which should be read in conjunction with this report. A letter was also issued 24th August 2026 providing clarifications to the consultation issued by Horsham District Council Environmental Health on 19th August 2026.

The proposed scope of further investigation was outlined in emails with the EHO at Horsham District Council dated 21st and 30th September 2026. The programme of this investigation comprised the construction of twelve boreholes using hand-held window sampling techniques. During this work samples were recovered for further examination and laboratory testing. This report describes the work undertaken, presents the information obtained and discusses the ground conditions with respect to the long-term risk from ground contamination.

# 2 SITEWORKS

The boreholes were constructed on 5th and 6th October 2026 at locations as shown on the Proposed Layout, drawing no. 26/13296/B/1, which is presented as Figure 1. The locations were sensibly located to provide adequate coverage across the Public Open Space (POS) and further characterisation of the spoil mound.

The locations X1 to X8 were positioned across the POS or Play along the way, which is to comprise social outdoor seating areas, balance bars and climbing frames. The remaining positions X9 to X12 were located on the spoil mound, which was investigated previously by location TP 6.

The depths and descriptions of the strata encountered in the boreholes are given on the records which comprise Appendix 1 to this report. These records note the depths at which samples were taken and the groundwater observations noted at the time of the fieldworks.

# 3 GROUND CONDITIONS

## 3.1 Stratigraphy

Consideration of the exploratory records from the POS at locations X1 to X8, indicates that made ground from surface, typically comprising greyish brown to brown silty sand with variable gravel contents of flint, concrete and brick fragments, was noted to depths of between 0.40m and 0.80m. The exception was X8 where only 100mm of disturbed or possible made ground was revealed.

The remaining positions X9 to X12 were positioned on the mound and proved made ground to between 0.80m, 1.30m, 1.40m and 2.10m at X11, X12, X10 and X9, respectively. Probable disturbed or made ground in the form of brown slightly gravelly silty sand with pockets of clay and traces of white chalk was noted to extended to 2.30m at X12.

Generally cohesive soils comprising sandy to very sandy clay, with some horizons of sand, was encountered beneath the made ground and probable disturbed soils described above. Collectively, these are believed to be associated with the weathered margins of the Sandgate Formation.

## 3.2 Groundwater

No groundwater strikes were encountered during the construction of the exploratory positions, with the exception of water strike at 1.75m within X2 and all excavations were observed to be dry upon completion.

# 4 LABORATORY TESTING

Representative samples were submitted for geochemical testing at the UKAS accredited laboratories operated by Normec i2 Analytical Ltd and the results are presented as Appendix 2. The samples have been screened for the presence of asbestos (ACM) and subjected to a broad suite of tests of common inorganic and organic priority contaminants including metals, PAH and petroleum hydrocarbons.

Samples from either 0.10m or 0.30m depth at locations X1 to X8 were selected for testing depending upon the thicknesses of made ground encountered at each location. Due to the increased thickness of made ground at X9, three samples from 0.75m, 1.50m and 2.00m were selected for testing. Two samples from 0.50m and 1.00m were selected for testing from X10 and 12, with a single sample at 0.50m from X11 subjected to testing due to the lesser thickness of made ground encountered at this position.

# 5 GROUND CONTAMINATION

The Conceptual Site Model derived for the site as part of the previous reports is presented below for reference.

| Table 1 - Preliminary Conceptual Site Model | | | |
|---|---|---|---|
| **Source(s)** | **Potential Pathway(s)** | **Receptor(s)** | **Risk Level** |
| Potential contamination from lead-arsenate based pesticides used in orchards pre-1950s<br><br>*Arsenic*<br>*Lead* | Skin contact, ingestion and inhalation | Site workers and end-users | Low |
| | Leaching | Groundwater – Secondary (A) aquifer associated with underlying Fittleworth Member & on-site abstraction well | Low |
| Made Ground associated with spoil mound from previous construction works.<br><br>Infilled well in east of site and demolished structures (Rose Cottage) | Skin contact, ingestion and inhalation | Site workers and end-users | Low |
| | Leaching | Groundwater – Secondary (A) aquifer associated with underlying Fittleworth Member & on-site abstraction well | Low |

## 5.1 Human Health

A generic assessment of the chronic or long-term risk to human health from soil contamination has been made using the available generic screening criteria. The screening values include the Category 4 Screening Levels [C4SLs] (DEFRA, 2014) and Suitable for Use Levels [S4ULs] (LQM/CIEH, 2014) derived using the CLEA software. It should be appreciated that these do not consider the short-term or acute risks, such as to construction workers or SI personnel.

The results obtained for locations X1 to X8 have been compared against the relevant GAC for the proposed land-use category Public Open Spaces near Residential housing and presented in a summary table. The remaining locations have been assessed against the GAC for the proposed land-use category Residential (with home-grown produce) and 2.5% SOM, which are also summarised in a separate table in Appendix 2. No exceedances of the relevant GAC were recorded and the near surface soils are considered suitable for the intended residential

and Public Open Space uses. The exception was the presence of chrysotile asbestos in the form of sheeting/board debris at X12 at 0.50m and a trace of loose fibres at 1.00m depth at this location. The quantification result should be treated with caution due to the small volume of sample that was left after other analysis had been completed by the lab.

It is evident that the soils identified as containing ACM are not suitable for use in residential gardens. It may be possible to incorporate these materials beneath areas of permanent hardstanding, such as access roads or permanent structures. Once the area of the mound has been removed and the final ground levels are known, it would be prudent to undertake validatory testing of the reduced level in areas of proposed garden and soft landscaping, to confirm that no residual fibres of asbestos are detectable.

### 5.2 Preliminary Waste Assessment

It is likely that, if excavated soils cannot be re-used or retained on site, these surplus materials will require off-site disposal. It may be possible to divert the unwanted material to a soil treatment hub where it can be recycled. Where material cannot be re-used or recycled then disposal at a licensed landfill site can be considered. It will then be necessary to classify the spoil as inert, non-hazardous or hazardous. A discussion of the current regime for the classification and treatment of waste soils is included in Appendix 3.

An initial assessment of the geochemical results obtained from this investigation has been carried out to provide a preliminary classification of the surplus materials. The HazWaste Online tool determines whether waste soil should be classified as being non-hazardous or hazardous. The output from the HazWaste assessment is located in Appendix 3. Asbestos was detected in the samples screened from X12. Based on the output waste soil arisings from this site have been tentatively identified as being non-hazardous waste. The underlying natural soils are considered to be inert for disposal purposes.

This assessment is preliminary and based upon the information obtained from the investigation. Where made ground is excavated then these materials should be stockpiled and segregated. Further sampling, testing and characterisation to accurately classify waste soil arisings may be required.

It should be appreciated that it is the responsibility of the waste producer to sufficiently characterise their waste. Moreover, the agreement of the waste acceptor should be sought.

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# LIST OF ABBREVIATIONS

| | | |
|---|---|---|
| AOD | - | Above Ordnance Datum |
| ACM | - | Asbestos-containing Material |
| AST | - | Above-ground Storage Tank |
| BGS | - | British Geological Survey |
| BH | - | Borehole |
| BRE | - | Building Research Establishment |
| BSI | - | British Standards Institution |
| BS | - | British Standard |
| C4SL | - | Category Four Screening Level |
| CIRIA | - | Construction Industry Research and Information Association |
| CP | - | Cable Percussive |
| DPH | - | Dynamic Probing Heavy |
| DPSH | - | Dynamic Probing Super Heavy |
| EA | - | Environment Agency |
| GAC | - | Generic Assessment Criteria |
| LL | - | Liquid Limit |
| mAOD | - | Metres Above Ordnance Datum |
| mBGL | - | Metres Below Ground Level |
| mOD | - | Metres Ordnance Datum |
| OS | - | Ordnance Survey |
| PAH | - | Polycyclic Aromatic Hydrocarbons |
| PCB | - | Polychlorinated Biphenyl |
| PID | - | Photo Ionisation Detector |
| PL | - | Plastic Limit |
| PSD | - | Particle Size Distribution |
| SGV | - | Soil Guideline Value |
| SOM | - | Soil Organic Matter |
| SPT | - | Standard Penetration Test |
| SPZ | - | Source Protection Zone |
| SVOC | - | Semi-volatile Organic Compounds |
| TPH | - | Total Petroleum Hydrocarbon |
| UST | - | Underground Storage Tank |
| UXB | - | Unexploded Bombs |
| UXO | - | Unexploded Ordnance |
| VOC | - | Volatile Organic Compound |

## FIGURE 1

# PROPOSED LAYOUT




Extract of Proposed Site Plan prepared by Mitchell Evans. Rev A, date 26 01 29

**Legend:**

Borehole Location

Trial Pit Location

| | |
|---|---|
| Title: | Proposed Layout |
| Dwg No: | 25/13296/B/1 |
| Drawn by: | GO |
| Client: | High Bar Lane Ltd |
| Contract: | High Bar Lane, Thakeham |
| Job Ref: | 26/13296/B/GO |
| Scale: | NTS |
| Revision: | 2 |
| Issue Date: | 23/10/2026 |

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## APPENDIX 1

# EXPLORATORY RECORDS

| ALBURY S.I. LTD<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | BOREHOLE | X1 |
|---|---|---|---|
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 05/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | |
|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | Difficult: GL-2.10 |
| 2. | 60mm to 50mm diameter | Moderate: | Very hard: |

**Water level observed upon completion (m):** dry **Technician:** TS

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | Grass over MADE GROUND (greyish brown gravelly silty SAND. Gravel of flint, concrete and brick fragments, with some black plastic strips) |
| D | 0.30 | | 0.30 | | MADE GROUND (brown clayey SAND with pockets of sandy clay, occasional black plastic strips and brick fragments in the upper margins) |
| D | 0.50 | | | | |
| D | 0.75 | | 0.80 | | Orangish brown and grey silty CLAY |
| D | 1.00 | | | | |
| | | | 1.40 | | |
| D | 1.50 | | | | Yellowish brown and grey sandy CLAY with pockets of fine sand |
| D | 2.00 | | 2.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| | | | |
|---|---|---|---|
| **ALBURY S.I. LTD**<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | **BOREHOLE** | **X2** |
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 05/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | |
|---|---|---|---|
| 1. 1.75 | Drive-in Window Sampler | Very easy: | Difficult: GL-0.80 |
| 2. | 60mm to 50mm diameter | Moderate: 0.80-3.10 | Very hard: |

**Water level observed upon completion (m):** dry **Technician:** DH

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | Grass over MADE GROUND (brown slightly gravelly silty SAND. Gravel of flint and brick fragments) |
| D | 0.30 | | | | |
| D | 0.50 | | | | |
| | | | 0.60 | | |
| D | 0.75 | | 0.80 | | Brown mottled dark grey fine sandy CLAY |
| D | 1.00 | | | | Orangish brown and light grey fine sandy CLAY |
| | | | 1.30 | | |
| D | 1.50 | | | | Light grey and brown fine sandy CLAY |
| | | | 1.80 | | |
| D | 2.00 | | | | Grey and orangish brown sandy CLAY with occasional partings of light grey sand |
| | | | 2.30 | | |
| D | 2.50 | | | | Grey very sandy CLAY with occasional sandstone fragments in the upper margins, becoming grey and greyish brown at depth |
| D | 3.00 | | | | |
| | | | 3.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| ALBURY S.I. LTD<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | BOREHOLE | X3 |
|---|---|---|---|
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 05/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) |
|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: Difficult: GL-0.40, 1.10-1.60 |
| 2. | 60mm to 50mm diameter | Moderate: 0.40-1.10, 1.60-3.10 Very hard: |

**Water level observed upon completion (m):** dry **Technician:** DH

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | Grass over MADE GROUND (brown slightly gravelly silty SAND. Gravel of flint, brick and concrete fragments) |
| D | 0.30 | | 0.40 | | |
| D | 0.50 | | | | MADE GROUND (dark brown mottled grey sandy CLAY with traces of fine concrete and brick fragments) |
| D | 0.75 | | 0.75 | | Orangish brown and grey slightly sandy silty CLAY |
| D | 1.00 | | 1.10 | | Grey and brown clayey SAND |
| D | 1.50 | | 1.60 | | Orangish brown and grey fine very sandy CLAY |
| D | 2.00 | | | | |
| D | 2.50 | | 2.70 | | Brown and grey sandy CLAY |
| D | 3.00 | | 3.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| | | | |
|---|---|---|---|
| **ALBURY S.I. LTD**<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | **BOREHOLE** | **X4** |
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 05/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough, West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | |
|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | Difficult: GL-2.10 |
| 2. | 60mm to 50mm diameter | Moderate: | Very hard: |
| **Water level observed upon completion (m):** dry | | | **Technician:** DH |

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | MADE GROUND (leaf litter over greyish brown silty SAND with roots, occasional metal fragments and rare flint gravel, becoming brown with depth) |
| D | 0.30 | | | | |
| | | | 0.40 | | |
| D | 0.50 | | | | Light brown silty SAND |
| D | 0.75 | | 0.80 | | |
| D | 1.00 | | | | Orangish brown and grey friable fine sandy CLAY |
| D | 1.50 | | | | |
| D | 2.00 | | | | |
| | | | 2.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| | | | |
|---|---|---|---|
| **ALBURY S.I. LTD**<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | **BOREHOLE** | **X5** |
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 05/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | |
|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | Difficult: GL-2.10 |
| 2. | 60mm to 50mm diameter | Moderate: | Very hard: |

**Water level observed upon completion (m):** dry **Technician:** TS

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | MADE GROUND (grass over brown gravelly silty SAND with roots. Gravel of flint and concrete fragments, with traces of fine white chalk nodules) |
| D | 0.30 | | | | |
| D | 0.50 | | | | |
| D | 0.75 | | 0.80 | | Orangish brown and grey slightly sandy silty CLAY |
| D | 1.00 | | | | |
| D | 1.50 | | | | |
| | | | 1.70 | | Brown fine sandy CLAY |
| D | 2.00 | | | | |
| | | | 2.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| ALBURY S.I. LTD<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | BOREHOLE | X6 |
|---|---|---|---|
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 05/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) |
|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: Difficult: GL-1.40 |
| 2. | 60mm to 50mm diameter | Moderate: 1.40-3.10 Very hard: |

**Water level observed upon completion (m):** dry **Technician:** DH

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | Leafmould over MADE GROUND (greyish brown slightly gravelly silty SAND with occasional roots. Gravel of chalk fragments) |
| D | 0.30 | | 0.40 | | |
| D | 0.50 | | | | Orangish brown and grey friable silty CLAY with occasional roots |
| D | 0.75 | | 0.90 | | |
| D | 1.00 | | 1.10 | | Light brown silty fine SAND |
| D | 1.25 | | 1.40 | | Orangish brown and grey friable silty CLAY |
| D | 1.50 | | | | Light grey silty SAND |
| D | 2.00 | | 2.10 | | |
| D | 2.50 | | | | Greenish grey mottled dark orangish brown glauconitic fine sandy CLAY with gravel in the upper margins |
| D | 3.00 | | 3.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| | | | |
|---|---|---|---|
| **ALBURY S.I. LTD**<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | **BOREHOLE** | **X7** |
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 05/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough, West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | | | |
|---|---|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | | Difficult: | GL-0.70 |
| 2. | 60mm to 50mm diameter | Moderate: | 1.10-3.10 | Very hard: | 0.70-1.10 |

**Water level observed upon completion (m):** dry **Technician:** DH

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | MADE GROUND (leafmould over greyish brown silty SAND with fine chalk fragments and occasional roots) |
| D | 0.30 | | | | |
| | | | 0.35 | | |
| D | 0.50 | | | | Orangish brown and grey friable slightly sandy silty CLAY |
| | | | 0.70 | | |
| D | 0.75 | | | | Light brown silty SAND with rare clayey partings |
| D | 1.00 | | | | |
| | | | 1.10 | | |
| | | | | | Grey fine sandy CLAY with occasional rootlets |
| D | 1.50 | | | | |
| | | | 1.80 | | |
| D | 2.00 | | | | Grey mottled red silty SAND with occasional clayey partings and sandstone fragments in the upper margins |
| | | | 2.20 | | |
| | | | | | Greenish grey mottled brown glauconitic sandy CLAY |
| D | 2.50 | | | | |
| | | | 2.60 | | |
| | | | | | Grey and brown fine sandy CLAY |
| D | 3.00 | | | | |
| | | | 3.10 | | |
| | | | | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| ALBURY S.I. LTD<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | BOREHOLE | X8 |
|---|---|---|---|
| CONTRACT | High Bar Lane, Thakeham | Report Ref | 26/13296/B/Go |
| Client | High Bar Lane Ltd | Date | 05/10/2026 |
| Site Address | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | Ground Level | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | |
|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | Difficult: GL-2.60 |
| 2. | 60mm to 50mm diameter | Moderate: | Very hard: |
| Water level observed upon completion (m): dry | | Technician: TS | |

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | 0.10 | | Grass over brown silty SAND with rare flint gravel (Disturbed or possible MADE GROUND) |
| D | 0.30 | | | | Orangish brown silty SAND with rare flint gravel |
| D | 0.50 | | | | |
| | | | 0.70 | | |
| D | 0.75 | | | | Orangish brown and light grey friable very sandy (fine) CLAY |
| D | 1.00 | | | | |
| | | | 1.40 | | |
| D | 1.50 | | | | Brown and grey sandy to very sandy CLAY |
| D | 2.00 | | | | |
| D | 2.50 | | | | |
| | | | 2.60 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| ALBURY S.I. LTD<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | BOREHOLE | X9 |
|---|---|---|---|
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 06/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) |
|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: Difficult: GL-1.00 |
| 2. | 60mm to 50mm diameter | Moderate: 1.00-3.10 Very hard: |

**Water level observed upon completion (m):** dry **Technician:** DH

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | Vegetation (grass, weeds and nettles) over MADE GROUND (brown gravelly silty SAND with occasional pockets of very sandy clay. Gravel of flint, concrete brick and charcoal fragments, with traces of fine white chalk fragments) |
| D | 0.30 | | | | |
| D | 0.50 | | | | |
| D | 0.75 | | | | |
| D | 1.00 | | 1.00 | | MADE GROUND (greyish brown and orangish brown silty CLAY with occasional roots) |
| D | 1.50 | | 1.40 | | MADE GROUND (dark brown silty SAND) |
| D | 2.00 | | 1.80 | | MADE GROUND (dark brown slightly gravelly silty SAND. Gravel of flint and occasional concrete fragments) |
| D | 2.25 | | 2.10 | | Grey and orangish brown clayey SAND with occasional roots becoming very sandy CLAY at depth |
| D | 2.50 | | | | |
| D | 3.00 | | 2.70 | | Grey and orangish brown very sandy CLAY with occasional root hairs |
| | | | 3.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| ALBURY S.I. LTD<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | BOREHOLE | X10 |
|---|---|---|---|
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 06/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | |
|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | Difficult: GL-1.40 |
| 2. | 60mm to 50mm diameter | Moderate: 1.40-3.10 | Very hard: |

**Water level observed upon completion (m):** dry **Technician:** DH

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | Vegetation (grass, weeds and nettles) over MADE GROUND (brown gravelly silty SAND with roots. Gravel of flint, concrete, brick and metal fragments) |
| D | 0.30 | | | | |
| D | 0.50 | | | | |
| D | 0.75 | | 0.80 | | MADE GROUND (brown silty SAND with fine gravel) |
| D | 1.00 | | | | |
| | | | 1.20 | | |
| D | 1.25 | | | | MADE GROUND (orangish brown silty SAND with traces of white chalk) |
| | | | 1.40 | | |
| D | 1.50 | | | | Orangish brown and brown mottled very sandy CLAY with dark brown flecking |
| D | 2.00 | | | | |
| D | 2.50 | | | | |
| D | 3.00 | | | | |
| | | | 3.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| | | | |
|---|---|---|---|
| **ALBURY S.I. LTD**<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | **BOREHOLE** | **X11** |
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 06/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough, West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | |
|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | Difficult: GL-2.10 |
| 2. | 60mm to 50mm diameter | Moderate: | Very hard: |

**Water level observed upon completion (m):** dry **Technician:** TS

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | | Legend | Strata Description |
|---|---|---|---|---|---|---|
| Type | Depth (m) | | | | | |
| D | 0.10 | | | | | Vegetation (grass, weeds and nettles) over MADE GROUND (brown gravelly very silty SAND. Gravel of flint, concrete and brick fragments, with some fine white chalk at 0.75m) |
| D | 0.30 | | | | | |
| D | 0.50 | | | | | |
| D | 0.75 | | 0.80 | | | Orangish brown clayey SAND/very sandy CLAY |
| D | 1.00 | | | | | |
| D | 1.50 | | 1.50 | | | Orangish brown and grey very sandy CLAY with a fragment of coarse sandstone at 1.80m |
| D | 1.80 | | | | | |
| D | 2.00 | | | | | |
| | | | 2.10 | | | END OF BOREHOLE - OBSTRUCTION |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

| ALBURY S.I. LTD<br>Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk | | BOREHOLE | X12 |
|---|---|---|---|
| **CONTRACT** | High Bar Lane, Thakeham | **Report Ref** | 26/13296/B/GO |
| **Client** | High Bar Lane Ltd | **Date** | 06/10/2026 |
| **Site Address** | High Bar Lane, Thakeham, Pulborough,<br>West Sussex RH20 3EH | **Ground Level** | |

| Water Strikes (m) | Type & Dimensions | Ease of excavation (m) | | |
|---|---|---|---|---|
| 1. none | Drive-in Window Sampler | Very easy: | Difficult: | GL-3.10 |
| 2. | 60mm to 50mm diameter | Moderate: | Very hard: | |

**Water level observed upon completion (m):** dry **Technician:** TS, DH

***Remarks***

| Samples or tests | | Shear Strength (kPa) | Depth | Legend | Strata Description |
|---|---|---|---|---|---|
| Type | Depth (m) | | | | |
| D | 0.10 | | | | Vegetation (grass, weeds and nettles) over MADE GROUND (brown gravelly silty SAND. Gravel of concrete, brick and occasional polystyrene fragments) |
| D | 0.30 | | | | |
| D | 0.50 | | | | |
| | | | 0.60 | | |
| D | 0.75 | | | | MADE GROUND (brown gravelly silty SAND. Gravel of flint with traces of white chalk) |
| D | 1.00 | | | | |
| | | | 1.30 | | |
| D | 1.50 | | | | Brown slightly gravelly silty SAND with pockets of clay and traces of white chalk (probable disturbed or MADE GROUND) |
| D | 2.00 | | | | |
| | | | 2.30 | | |
| D | 2.50 | | | | Orangish brown and grey friable very sandy (fine) CLAY |
| D | 3.00 | | | | |
| | | | 3.10 | | END OF BOREHOLE |

Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

## APPENDIX 2

# LABORATORY TEST RESULTS

Albury SI Ltd
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# Analytical Report Number : 26-055421

| | | | |
|---|---|---|---|
| **Project / Site name:** | High Bar Lane, Thakeham | **Samples received on:** | 06/10/2026 |
| **Your job number:** | 26 13296 B GO | **Samples instructed on/ Analysis started on:** | 06/10/2026 |
| **Your order number:** | 16181 | **Analysis completed by:** | 20/10/2026 |
| **Report Issue Number:** | 1 | **Report issued on:** | 20/10/2026 |
| **Samples Analysed:** | 8 soil samples | | |

**Signed:**

Rachel Chappell
Key Account 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 |

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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.

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073444 | 1073445 | 1073446 | 1073447 | 1073448 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X1 | X2 | X3 | X4 | X5 |
| 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) | | | | 0.10 | 0.30 | 0.10 | 0.10 | 0.30 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| 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 | 36.2 | 15 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 8.9 | 13 | 13 | 9.9 | 11 |
| Total mass of sample received | kg | 0.1 | NONE | 1.1 | 1 | 1 | 0.9 | 1 |
| **Asbestos** | | | | | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | DSA | DSA | DSA | DSA | DSA |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| **General Inorganics** | | | | | | | | |
| pH (L099) | pH Units | N/A | MCERTS | 8.7 | 8.1 | 7.9 | 6 | 6.9 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 1800 | 640 | 710 | 700 | 490 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 300 | 58 | 110 | 26 | 30 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 148 | 28.9 | 53.9 | 13 | 15.2 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1.4 | 1.4 | 1.6 | 3.1 | 2.1 |
| **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 | 0.27 | 0.41 | 0.11 | < 0.05 | 0.08 |
| Anthracene | mg/kg | 0.05 | MCERTS | 0.11 | 0.12 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 1.3 | 1.1 | 0.37 | 0.13 | 0.19 |
| Pyrene | mg/kg | 0.05 | MCERTS | 1.4 | 1.1 | 0.36 | 0.14 | 0.2 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.77 | 0.62 | 0.23 | 0.09 | 0.11 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.72 | 0.59 | 0.23 | 0.11 | 0.14 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.95 | 0.75 | 0.3 | 0.12 | 0.18 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.51 | 0.41 | 0.15 | 0.06 | 0.09 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.92 | 0.71 | 0.26 | < 0.05 | 0.15 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.51 | 0.34 | 0.15 | < 0.05 | 0.09 |
| 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 | 0.63 | 0.39 | 0.18 | 0.06 | 0.11 |
| **Total PAH** | | | | | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 8.03 | 6.58 | 2.35 | < 0.80 | 1.33 |

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073444 | 1073445 | 1073446 | 1073447 | 1073448 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X1 | X2 | X3 | X4 | X5 |
| 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) | | | | 0.10 | 0.30 | 0.10 | 0.10 | 0.30 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **Heavy Metals / Metalloids** | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 11 | 10 | 11 | 6.4 | 15 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.68 | 0.77 | 0.74 | 0.39 | 0.58 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 1.9 | 1.4 | 1 | 0.8 | 1.7 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 0.4 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 19 | 22 | 21 | 12 | 15 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 19 | 22 | 21 | 12 | 15 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 39 | 20 | 28 | 9 | 17 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 92 | 38 | 30 | 26 | 35 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 11 | 10 | 5.7 | 7.8 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 30 | 35 | 31 | 19 | 26 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 150 | 79 | 67 | 51 | 60 |
| **Petroleum Hydrocarbons** | | | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 12 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 12 | < 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 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | 12 | < 10 | < 10 |

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073444 | 1073445 | 1073446 | 1073447 | 1073448 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X1 | X2 | X3 | X4 | X5 |
| 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) | | | | 0.10 | 0.30 | 0.10 | 0.10 | 0.30 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **VOCs** | | | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | 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 |
| Toluene | 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 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

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

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**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073449 | 1073450 | 1073451 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X6 | X7 | X8 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.10 | 0.10 | 0.10 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | 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 | 6.3 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 13 | 11 | 13 |
| Total mass of sample received | kg | 0.1 | NONE | 0.9 | 0.9 | 0.9 |
| **Asbestos** | | | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | DSA | DSA | DSA |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| **General Inorganics** | | | | | | |
| pH (L099) | pH Units | N/A | MCERTS | 7.3 | 7.3 | 7.1 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 880 | 810 | 460 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 34 | 34 | 37 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 17.1 | 16.9 | 18.4 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 3.5 | 3.2 | 1.7 |
| **Speciated PAHs** | | | | | | |
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | 0.6 | 0.08 | 0.1 |
| Anthracene | mg/kg | 0.05 | MCERTS | 0.24 | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 2.7 | 0.29 | 0.11 |
| Pyrene | mg/kg | 0.05 | MCERTS | 2.7 | 0.29 | 0.12 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 1.4 | 0.19 | 0.08 |
| Chrysene | mg/kg | 0.05 | MCERTS | 1.3 | 0.2 | 0.08 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 1.5 | 0.35 | 0.11 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.83 | 0.11 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 1.6 | 0.23 | 0.09 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.77 | 0.14 | 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | 0.2 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 0.95 | 0.17 | 0.07 |
| **Total PAH** | | | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 14.8 | 2.06 | 0.8 |

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**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073449 | 1073450 | 1073451 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X6 | X7 | X8 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.10 | 0.10 | 0.10 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **Heavy Metals / Metalloids** | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 13 | 14 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.95 | 0.6 | 0.69 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 2.3 | 2.3 | 1.1 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 0.2 | 0.3 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 22 | 20 | 20 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 22 | 20 | 20 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 22 | 33 | 11 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 64 | 43 | 20 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 8.8 | 8.2 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 33 | 24 | 31 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 120 | 140 | 39 |
| **Petroleum Hydrocarbons** | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | 20 | < 10 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | 34 | < 10 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | 41 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | 20 | < 10 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | 61 | < 10 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | 11 | 41 | < 10 |
| Petroleum Range Organics (EC6 - EC10) $_{HS_1D_TOTAL}$ | mg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 |
| TPH (EC10 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | 11 | 41 | < 10 |

**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073449 | 1073450 | 1073451 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X6 | X7 | X8 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.10 | 0.10 | 0.10 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **VOCs** | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Benzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Toluene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene | µg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |

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

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**Project / Site name: High Bar Lane, Thakeham**

* 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 * |
|---|---|---|---|---|
| 1073444 | X1 | None Supplied | 0.1 | Brown loam and sand with vegetation and stones |
| 1073445 | X2 | None Supplied | 0.3 | Brown loam and clay with vegetation and stones |
| 1073446 | X3 | None Supplied | 0.1 | Brown loam and sand with gravel and vegetation |
| 1073447 | X4 | None Supplied | 0.1 | Brown loam and sand with gravel and vegetation |
| 1073448 | X5 | None Supplied | 0.3 | Brown loam and sand with gravel and vegetation |
| 1073449 | X6 | None Supplied | 0.1 | Brown loam and sand with gravel and vegetation |
| 1073450 | X7 | None Supplied | 0.1 | Brown loam and sand with vegetation and stones |
| 1073451 | X8 | None Supplied | 0.1 | Brown loam and clay with gravel and vegetation |

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**Analytical Report Number : 26-055421**
**Project / Site name: High Bar Lane, Thakeham**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| Asbestos identification in Soil | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques | In-house method based on HSG 248, 2021 | A001B | D | ISO 17025 |
| Total organic carbon (Automated) in soil | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method | L009B | D | MCERTS |
| Moisture Content (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 |
| Metals in soil by ICP-OES | Determination of metals in soil by aqua-regia digestion followed by ICP-OES | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil | L038B | D | MCERTS |
| Boron, water soluble, in soil | Determination of water soluble boron in soil by hot water extract followed by ICP-OES | In-house method based on Second Site Properties version 3 | L038B | D | MCERTS |
| Total sulphate (as SO4 in soil) | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES | In-house method | L038B | D | MCERTS |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction) | In-house method | L038B | D | MCERTS |
| Speciated PAHs and/or Semi-volatile organic compounds in soil | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS | In-house method based on USEPA 8270 | L064B | D | MCERTS |
| TPH Chromatogram in soil | TPH Chromatogram in soil | In-house method | 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 |
| 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 with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |
| 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 by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |

**Analytical Report Number : 26-055421**
**Project / Site name: High Bar Lane, Thakeham**

**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 |
|---|---|---|---|---|---|
| Chromium III in soil | In-house method by calculation from total Cr and Cr VI | In-house method by calculation | L080-PL/L130B | W | NONE |
| Hexavalent chromium in soil (low level) | Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry | In-house method | L080-PL | W | NONE |
| 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 | MCERTS |
| 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 |
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method | L099-PL | D | MCERTS |
| Soil Descriptions | Textural classification | In-house method | L019B | W | NONE |

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

**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

##- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

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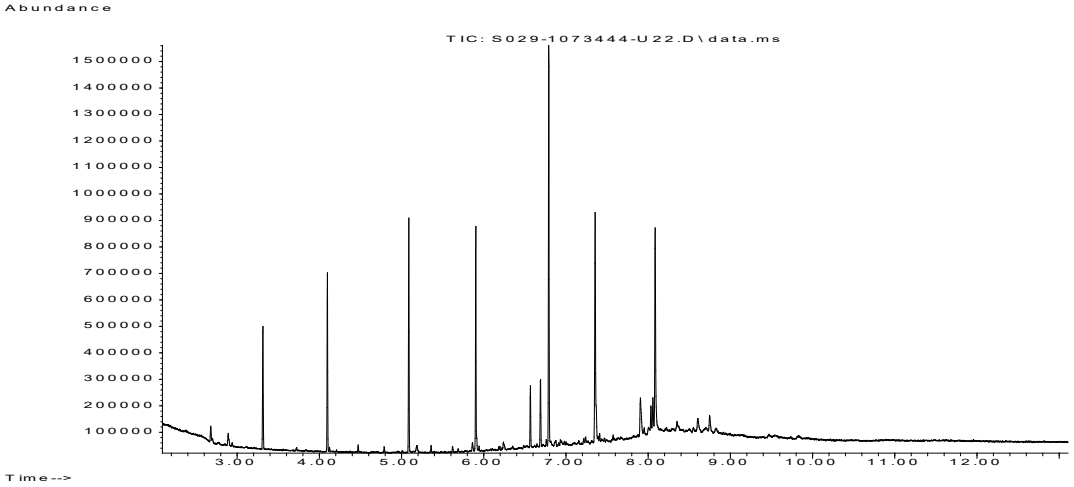


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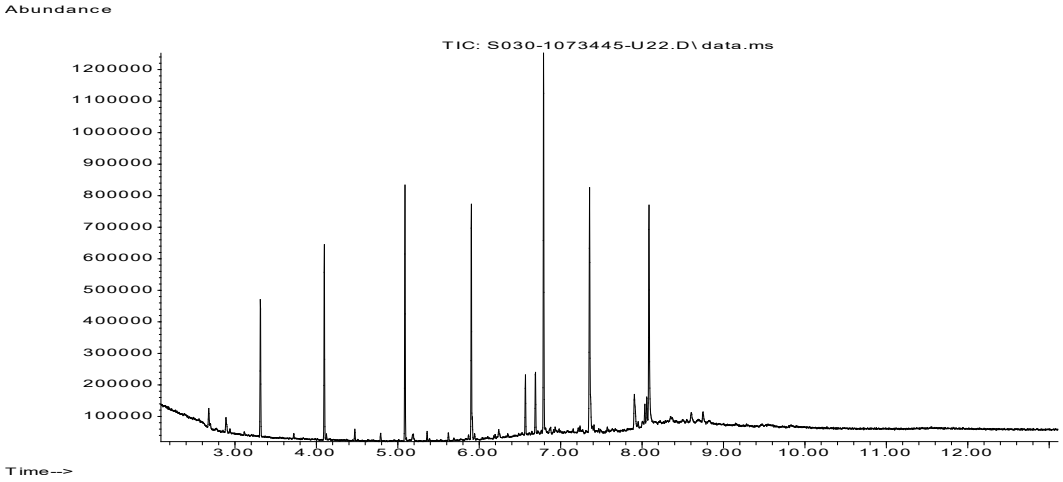


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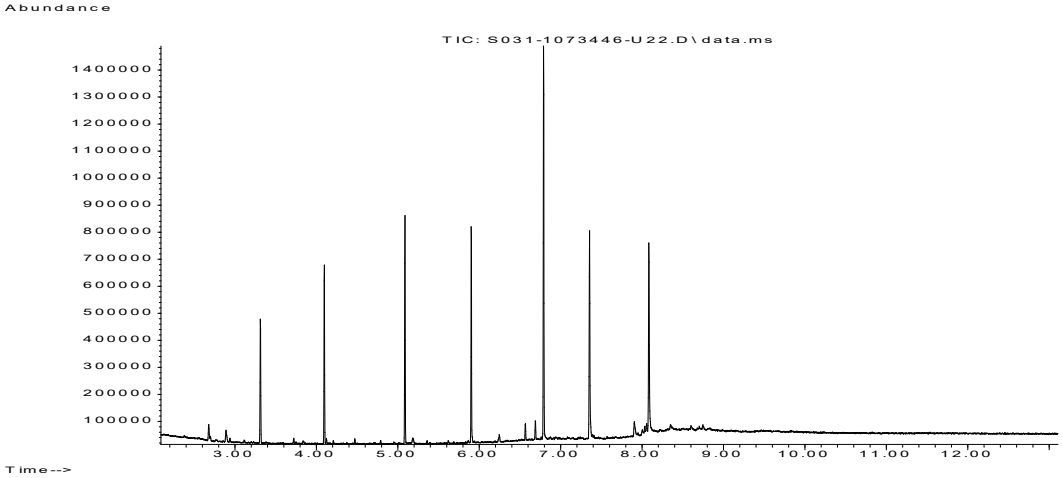


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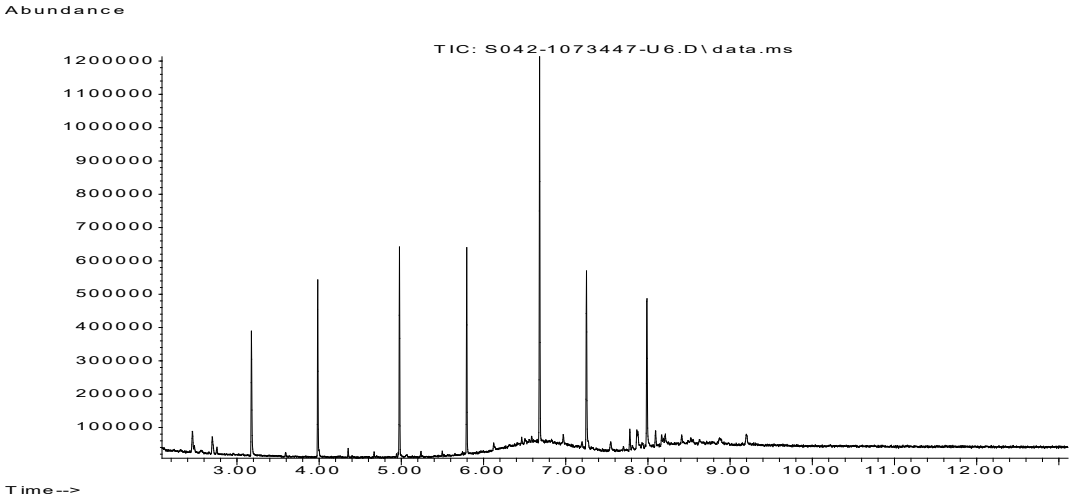


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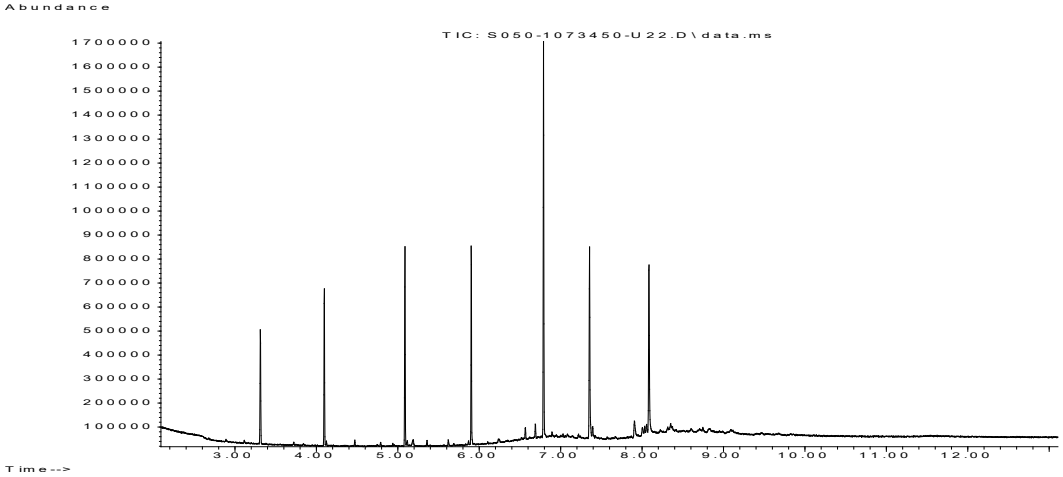


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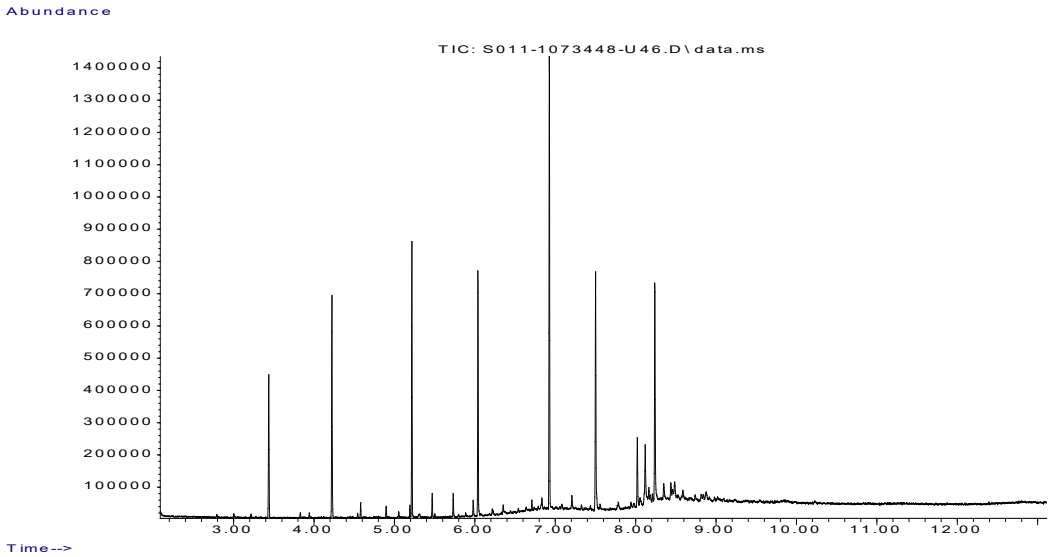


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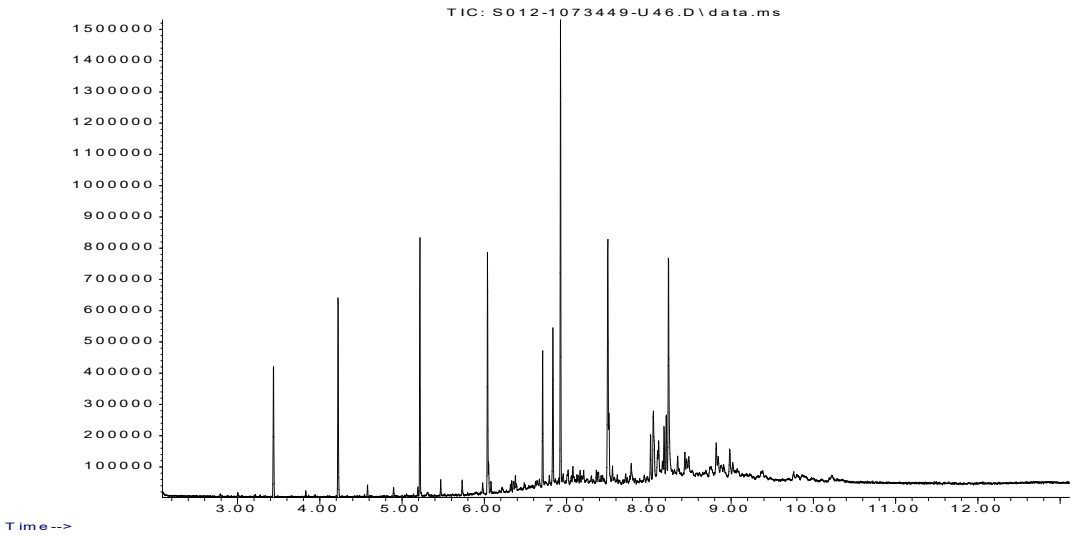


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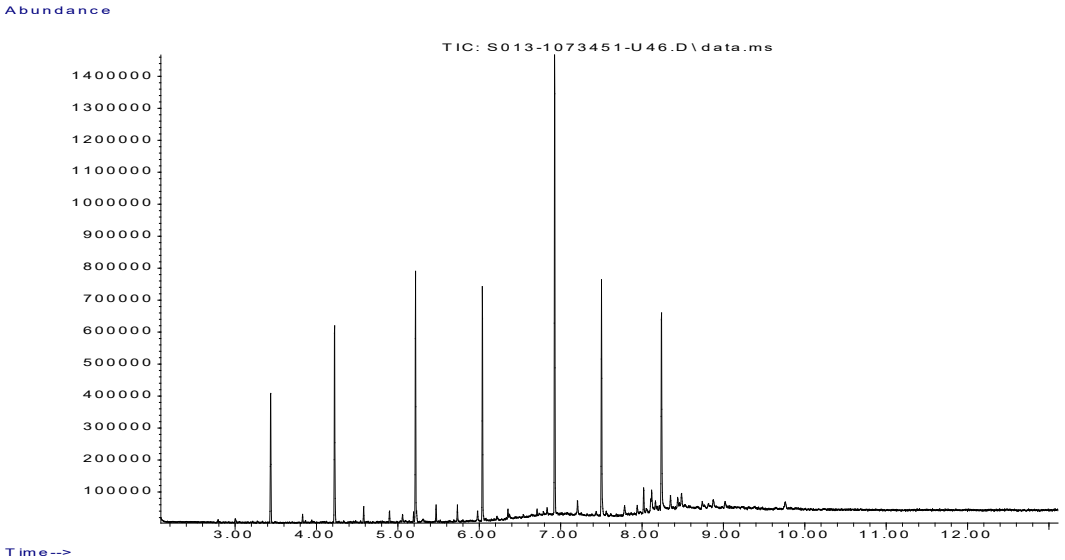


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# Analytical Report Number : 26-055663

| | | | |
|---|---|---|---|
| **Project / Site name:** | High Bar Lane, Thakeham | **Samples received on:** | 07/10/2026 |
| **Your job number:** | 26/13296/B/GO | **Samples instructed on/ Analysis started on:** | 07/10/2026 |
| **Your order number:** | 16181 | **Analysis completed by:** | 23/10/2026 |
| **Report Issue Number:** | 1 | **Report issued on:** | 23/10/2026 |
| **Samples Analysed:** | 8 soil samples | | |

**Signed:**

Anna Goc
PL Head of Reporting Team
**For & on behalf of i2 Analytical Ltd.**

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

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

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

| | |
|---|---|
| soils | - 4 weeks from reporting |
| leachates | - 2 weeks from reporting |
| waters | - 2 weeks from reporting |
| asbestos | - 6 months from reporting |
| air | - once the analysis is complete |

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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.

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074801 | 1074802 | 1074803 | 1074804 | 1074805 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X9 | X9 | X9 | X10 | X10 |
| 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) | | | | 0.75 | 1.50 | 2.00 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| 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 | 3 |
| Moisture Content | % | 0.01 | NONE | 10 | 12 | 17 | 8.9 | 8.1 |
| Total mass of sample received | kg | 0.1 | NONE | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 |

## Asbestos

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | KMC | KMC | CAD | CAD | JWU |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| Actinolite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Amosite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Anthophyllite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Chrysotile detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Crocidolite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Tremolite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Asbestos % by hand picking/weighing | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Containing Material Types Detected (ACM) | Type | N/A | ISO 17025 | - | - | - | - | - |

## General Inorganics

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| pH (L099) | pH Units | N/A | MCERTS | 7.9 | 7.7 | 7.7 | 7.6 | 7.8 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 290 | 790 | 610 | 1000 | 670 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 29 | 83 | 180 | 110 | 100 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 14.6 | 41.3 | 90.3 | 54.4 | 50.1 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1.8 | 4.7 | 2.2 | 4.7 | 1.4 |

## 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 | 0.26 | 0.29 | 0.3 | 0.12 | 0.18 |
| Anthracene | mg/kg | 0.05 | MCERTS | 0.07 | 0.07 | 0.09 | < 0.05 | 0.06 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 0.78 | 0.77 | 0.42 | 0.6 | 0.74 |
| Pyrene | mg/kg | 0.05 | MCERTS | 0.91 | 0.69 | 0.38 | 0.58 | 0.78 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.53 | 0.58 | 0.22 | 0.36 | 0.42 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.63 | 0.59 | 0.21 | 0.43 | 0.46 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.81 | 0.9 | 0.23 | 0.49 | 0.52 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.38 | 0.29 | 0.13 | 0.22 | 0.26 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.74 | 0.61 | 0.22 | 0.42 | 0.51 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.46 | 0.4 | 0.11 | 0.27 | 0.31 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | 0.13 | 0.11 | < 0.05 | 0.07 | 0.08 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 0.57 | 0.48 | 0.14 | 0.34 | 0.35 |

## Total PAH

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 6.27 | 5.78 | 2.46 | 3.89 | 4.67 |

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074801 | 1074802 | 1074803 | 1074804 | 1074805 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X9 | X9 | X9 | X10 | X10 |
| 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) | | | | 0.75 | 1.50 | 2.00 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **Heavy Metals / Metalloids** | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 13 | 9.3 | 7.6 | 7.9 | 9.6 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.86 | 0.57 | 0.5 | 0.42 | 0.64 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.6 | 2.9 | 1.5 | 2.1 | 1.2 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 13 | 18 | 14 | 10 | 12 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 13 | 18 | 14 | 10 | 12 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 25 | 45 | 13 | 27 | 16 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 87 | 83 | 29 | 59 | 52 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 10 | 9.8 | 6.3 | 6.7 | 9.2 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 24 | 25 | 23 | 14 | 20 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 95 | 130 | 53 | 98 | 61 |
| **Petroleum Hydrocarbons** | | | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | 17 | < 10 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | 13 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | 23 | < 10 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | 11 | < 10 | < 10 | 18 | < 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 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | 11 | < 10 | < 10 | 18 | < 10 |

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074801 | 1074802 | 1074803 | 1074804 | 1074805 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X9 | X9 | X9 | X10 | X10 |
| 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) | | | | 0.75 | 1.50 | 2.00 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **VOCs** | | | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | 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 |
| Toluene | 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 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

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

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074806 | 1074807 | 1074808 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X11 | X12 | X12 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.50 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | 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 |
| Moisture Content | % | 0.01 | NONE | 8.5 | 8.4 | 9.1 |
| Total mass of sample received | kg | 0.1 | NONE | 0.5 | 0.6 | 0.4 |

**Asbestos**

| | | | | | | |
|---|---|---|---|---|---|---|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Detected | Detected |
| Asbestos Analyst ID | N/A | N/A | N/A | DSA | DSA | DSA |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| Actinolite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Amosite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Anthophyllite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Chrysotile detected | Type | N/A | ISO 17025 | - | Detected | Detected |
| Crocidolite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Tremolite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Asbestos % by hand picking/weighing | % | 0.001 | ISO 17025 | - | 0.011 | < 0.001 |
| Asbestos Containing Material Types Detected (ACM) | Type | N/A | ISO 17025 | - | Sheeting/Board Debris | Loose Fibres |

**General Inorganics**

| | | | | | | |
|---|---|---|---|---|---|---|
| pH (L099) | pH Units | N/A | MCERTS | 7.7 | 7.5 | 8 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 220 | 400 | 4800 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 66 | 28 | 3700 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 33 | 13.9 | 1840 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1.6 | 1.3 | 2.1 |

**Speciated PAHs**

| | | | | | | |
|---|---|---|---|---|---|---|
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.05 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.06 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.17 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.14 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.83 | 0.2 |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.25 | 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 0.19 | 1.7 | 0.6 |
| Pyrene | mg/kg | 0.05 | MCERTS | 0.18 | 1.5 | 0.53 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.11 | 0.76 | 0.43 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.12 | 0.74 | 0.54 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.19 | 1 | 0.93 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.06 | 0.53 | 0.4 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.11 | 0.97 | 0.65 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.08 | 0.51 | 0.36 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.11 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 0.09 | 0.63 | 0.42 |

**Total PAH**

| | | | | | | |
|---|---|---|---|---|---|---|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 1.13 | 9.79 | 5.21 |

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074806 | 1074807 | 1074808 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X11 | X12 | X12 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.50 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **Heavy Metals / Metalloids** | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 9 | 15 | 12 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.42 | 0.94 | 0.73 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.6 | 1.3 | 1.8 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 11 | 24 | 23 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 11 | 24 | 23 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 9.4 | 20 | 25 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 20 | 42 | 40 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 5.1 | 12 | 12 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 18 | 35 | 32 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 41 | 110 | 92 |
| **Petroleum Hydrocarbons** | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | 13 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 13 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 13 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 13 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | 14 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | 14 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | 14 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | 14 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | < 10 | 11 | 38 |
| Petroleum Range Organics (EC6 - EC10) $_{HS_1D_TOTAL}$ | mg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 |
| TPH (EC10 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | < 10 | 11 | 38 |

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074806 | 1074807 | 1074808 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X11 | X12 | X12 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.50 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **VOCs** | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Benzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Toluene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene | µg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |

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

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UKAS TESTING
4041

Normec i2 Analytical

**Analytical Report Number:** **26-055663**
**Project / Site name:** **High Bar Lane, Thakeham**
**Your Order No:** **16181**

# Certificate of Analysis - Asbestos Quantification

## Methods:

### Qualitative Analysis

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

### Quantitative Analysis

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

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

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

Both Qualitative and Quantitative Analyses are UKAS accredited.

| Sample Number | Sample ID | Sample Depth (m) | Sample Weight (g) | Asbestos Containing Material Types Detected (ACM) | PLM Results | Asbestos by hand picking/weighing (%) | Total % Asbestos in Sample | Analysis completed | Analyst ID |
|---|---|---|---|---|---|---|---|---|---|
| **1074807** | X12 | 0.5 | 104 | Sheeting/Board Debris | **Chrysotile** | 0.011 | **0.011** | 15/10/2026 | DSA |
| **1074808** | X12 | 1 | 53.3 | Loose Fibres | **Chrysotile** | < 0.001 | **< 0.001** | 16/10/2026 | DSA |

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



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**Analytical Report Number : 26-055663**
**Project / Site name: High Bar Lane, Thakeham**

* 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 * |
|---|---|---|---|---|
| 1074801 | X9 | None Supplied | 0.75 | Brown loam and sand with gravel |
| 1074802 | X9 | None Supplied | 1.5 | Brown loam and sand with vegetation and gravel |
| 1074803 | X9 | None Supplied | 2 | Brown loam and clay with vegetation and gravel |
| 1074804 | X10 | None Supplied | 0.5 | Brown loam and sand with vegetation and gravel |
| 1074805 | X10 | None Supplied | 1 | Brown loam and sand with stones and gravel |
| 1074806 | X11 | None Supplied | 0.5 | Brown loam and sand with gravel and vegetation |
| 1074807 | X12 | None Supplied | 0.5 | Brown clay and sand with vegetation |
| 1074808 | X12 | None Supplied | 1 | Brown sand |

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**Analytical Report Number : 26-055663**
**Project / Site name: High Bar Lane, Thakeham**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| Asbestos identification in Soil | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques | In-house method based on HSG 248, 2021 | A001B | D | ISO 17025 |
| Total organic carbon (Automated) in soil | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method | L009B | D | MCERTS |
| Moisture Content (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 |
| Metals in soil by ICP-OES | Determination of metals in soil by aqua-regia digestion followed by ICP-OES | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil | L038B | D | MCERTS |
| Boron, water soluble, in soil | Determination of water soluble boron in soil by hot water extract followed by ICP-OES | In-house method based on Second Site Properties version 3 | L038B | D | MCERTS |
| Total sulphate (as SO4 in soil) | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES | In-house method | L038B | D | MCERTS |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction) | In-house method | L038B | D | MCERTS |
| Speciated PAHs and/or Semi-volatile organic compounds in soil | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS | In-house method based on USEPA 8270 | L064B | D | MCERTS |
| TPH Chromatogram in soil | TPH Chromatogram in soil | In-house method | 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 |
| 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 with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |
| 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 by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |
| Chromium III in soil | In-house method by calculation from total Cr and Cr VI | In-house method by calculation | L080-PL/L130B | W | NONE |

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**Analytical Report Number : 26-055663**
**Project / Site name: High Bar Lane, Thakeham**

**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 |
|---|---|---|---|---|---|
| Hexavalent chromium in soil (low level) | Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry | In-house method | L080-PL | W | NONE |
| 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 | MCERTS |
| 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 |
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method | L099-PL | D | MCERTS |
| Soil Descriptions | Textural classification | In-house method | L019B | W | NONE |
| Asbestos Quantification - Gravimetric | Asbestos quantification by gravimetric method - in house method based on references | HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft) | A006B | D | ISO 17025 |

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

**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

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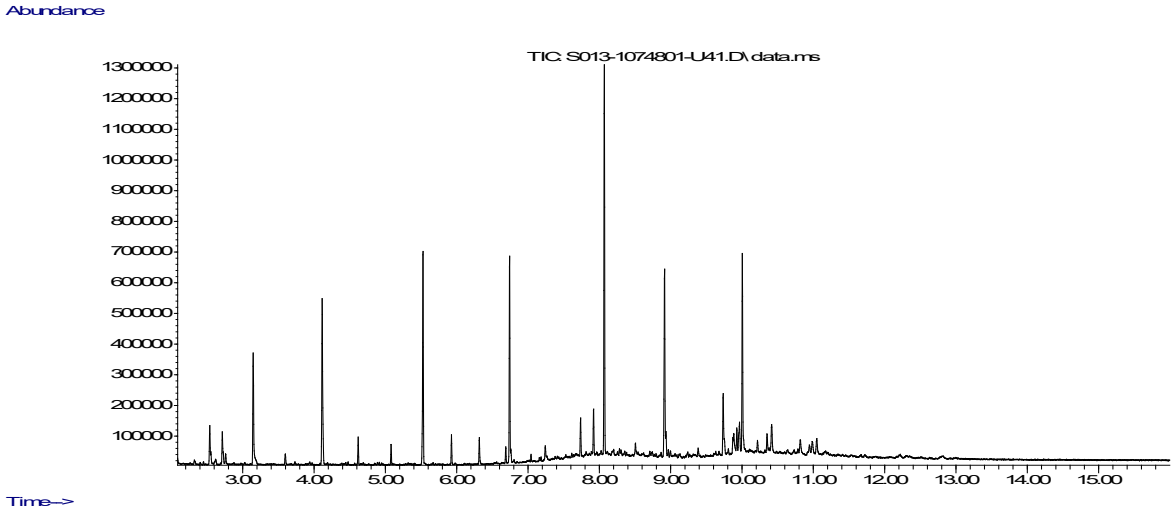


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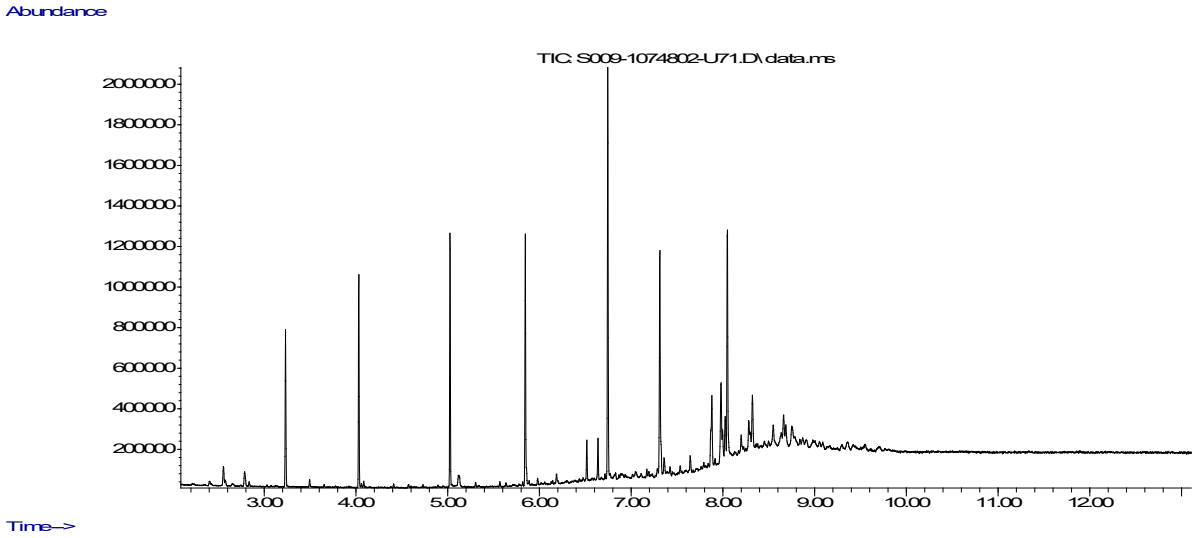


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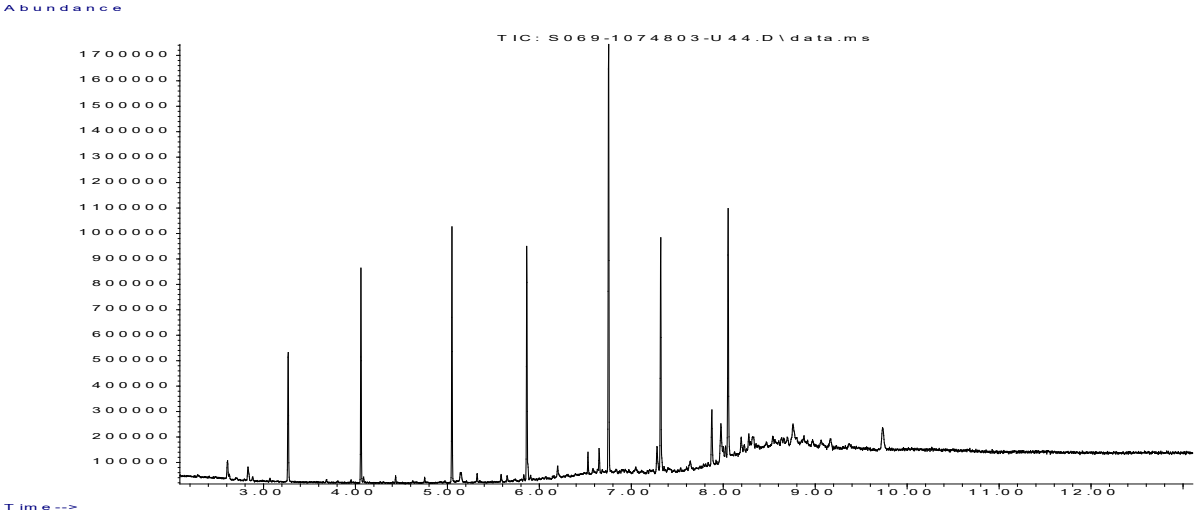
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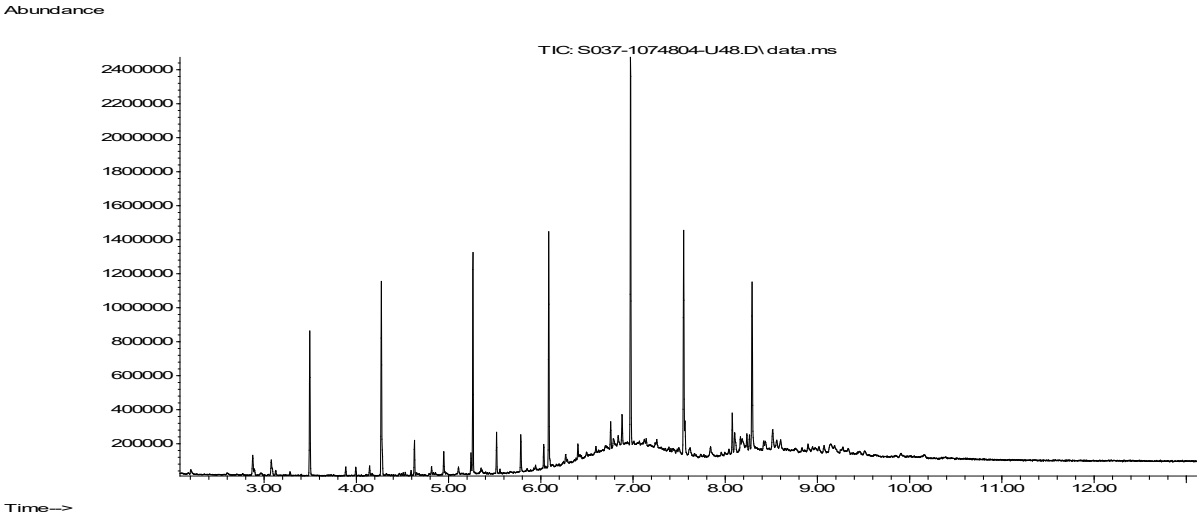
Time-->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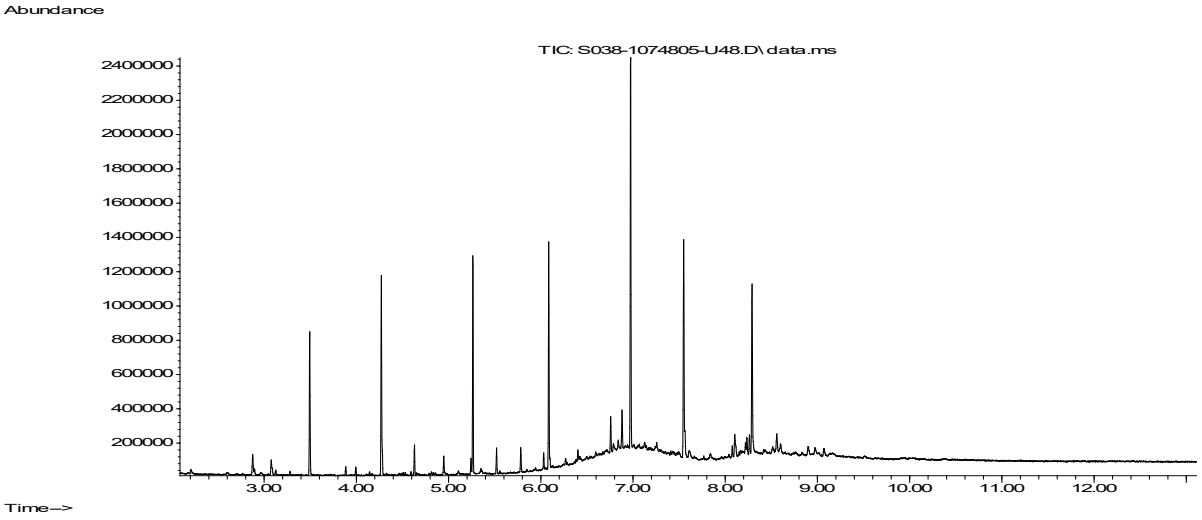
12.00
Time-->

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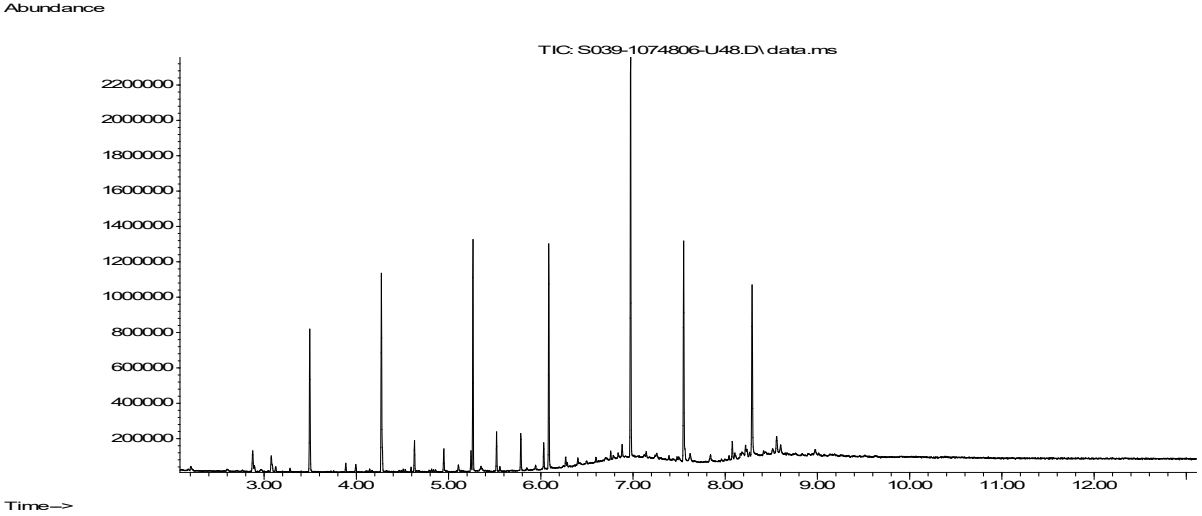


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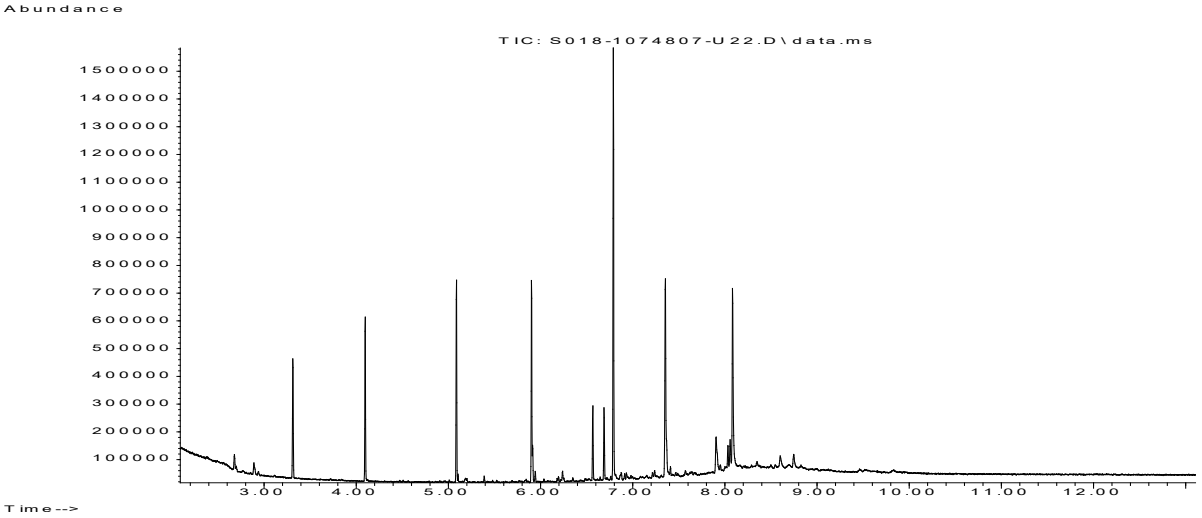


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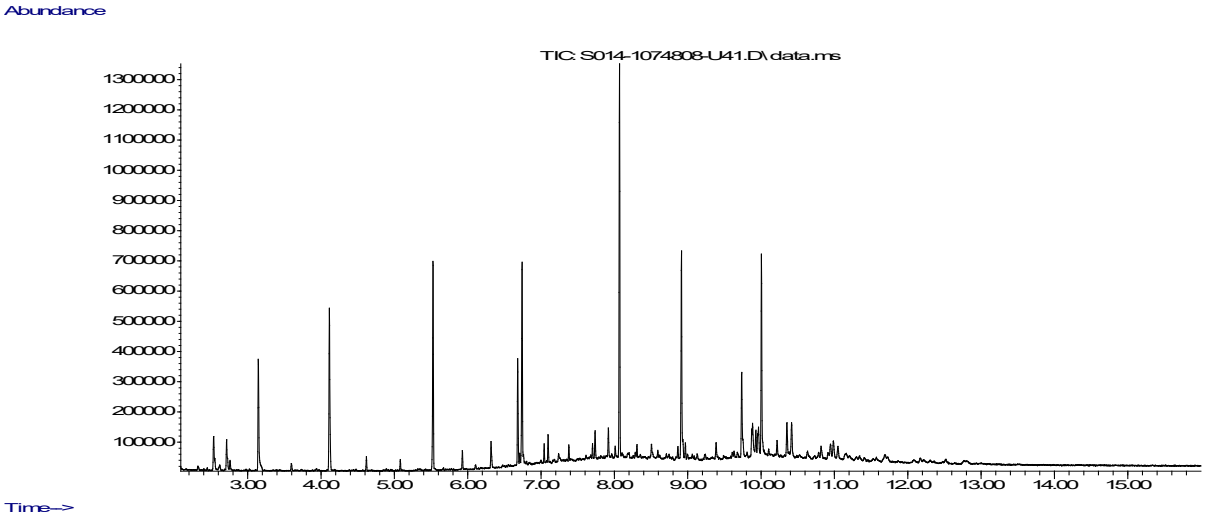


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# Analytical Report Number : 26-055663

| | | | |
|---|---|---|---|
| **Project / Site name:** | High Bar Lane, Thakeham | **Samples received on:** | 07/10/2026 |
| **Your job number:** | 26/13296/B/GO | **Samples instructed on/ Analysis started on:** | 07/10/2026 |
| **Your order number:** | 16181 | **Analysis completed by:** | 23/10/2026 |
| **Report Issue Number:** | 1 | **Report issued on:** | 23/10/2026 |
| **Samples Analysed:** | 8 soil samples | | |

**Signed:**

Anna Goc
PL Head of Reporting Team
**For & on behalf of i2 Analytical Ltd.**

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

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

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

| | |
|---|---|
| soils | - 4 weeks from reporting |
| leachates | - 2 weeks from reporting |
| waters | - 2 weeks from reporting |
| asbestos | - 6 months from reporting |
| air | - once the analysis is complete |

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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.

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074801 | 1074802 | 1074803 | 1074804 | 1074805 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X9 | X9 | X9 | X10 | X10 |
| 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) | | | | 0.75 | 1.50 | 2.00 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| 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 | 3 |
| Moisture Content | % | 0.01 | NONE | 10 | 12 | 17 | 8.9 | 8.1 |
| Total mass of sample received | kg | 0.1 | NONE | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 |

## Asbestos

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | KMC | KMC | CAD | CAD | JWU |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| Actinolite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Amosite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Anthophyllite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Chrysotile detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Crocidolite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Tremolite detected | Type | N/A | ISO 17025 | - | - | - | - | - |
| Asbestos % by hand picking/weighing | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Containing Material Types Detected (ACM) | Type | N/A | ISO 17025 | - | - | - | - | - |

## General Inorganics

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| pH (L099) | pH Units | N/A | MCERTS | 7.9 | 7.7 | 7.7 | 7.6 | 7.8 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 290 | 790 | 610 | 1000 | 670 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 29 | 83 | 180 | 110 | 100 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 14.6 | 41.3 | 90.3 | 54.4 | 50.1 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1.8 | 4.7 | 2.2 | 4.7 | 1.4 |

## 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 | 0.26 | 0.29 | 0.3 | 0.12 | 0.18 |
| Anthracene | mg/kg | 0.05 | MCERTS | 0.07 | 0.07 | 0.09 | < 0.05 | 0.06 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 0.78 | 0.77 | 0.42 | 0.6 | 0.74 |
| Pyrene | mg/kg | 0.05 | MCERTS | 0.91 | 0.69 | 0.38 | 0.58 | 0.78 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.53 | 0.58 | 0.22 | 0.36 | 0.42 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.63 | 0.59 | 0.21 | 0.43 | 0.46 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.81 | 0.9 | 0.23 | 0.49 | 0.52 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.38 | 0.29 | 0.13 | 0.22 | 0.26 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.74 | 0.61 | 0.22 | 0.42 | 0.51 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.46 | 0.4 | 0.11 | 0.27 | 0.31 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | 0.13 | 0.11 | < 0.05 | 0.07 | 0.08 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 0.57 | 0.48 | 0.14 | 0.34 | 0.35 |

## Total PAH

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 6.27 | 5.78 | 2.46 | 3.89 | 4.67 |

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074801 | 1074802 | 1074803 | 1074804 | 1074805 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X9 | X9 | X9 | X10 | X10 |
| 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) | | | | 0.75 | 1.50 | 2.00 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **Heavy Metals / Metalloids** | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 13 | 9.3 | 7.6 | 7.9 | 9.6 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.86 | 0.57 | 0.5 | 0.42 | 0.64 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.6 | 2.9 | 1.5 | 2.1 | 1.2 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 13 | 18 | 14 | 10 | 12 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 13 | 18 | 14 | 10 | 12 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 25 | 45 | 13 | 27 | 16 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 87 | 83 | 29 | 59 | 52 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 10 | 9.8 | 6.3 | 6.7 | 9.2 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 24 | 25 | 23 | 14 | 20 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 95 | 130 | 53 | 98 | 61 |
| **Petroleum Hydrocarbons** | | | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | 17 | < 10 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | 13 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | 23 | < 10 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | 11 | < 10 | < 10 | 18 | < 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 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | 11 | < 10 | < 10 | 18 | < 10 |

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074801 | 1074802 | 1074803 | 1074804 | 1074805 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X9 | X9 | X9 | X10 | X10 |
| 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) | | | | 0.75 | 1.50 | 2.00 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **VOCs** | | | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | 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 |
| Toluene | 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 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

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

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074806 | 1074807 | 1074808 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X11 | X12 | X12 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.50 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | 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 |
| Moisture Content | % | 0.01 | NONE | 8.5 | 8.4 | 9.1 |
| Total mass of sample received | kg | 0.1 | NONE | 0.5 | 0.6 | 0.4 |

**Asbestos**

| | | | | | | |
|---|---|---|---|---|---|---|
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Detected | Detected |
| Asbestos Analyst ID | N/A | N/A | N/A | DSA | DSA | DSA |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| Actinolite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Amosite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Anthophyllite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Chrysotile detected | Type | N/A | ISO 17025 | - | Detected | Detected |
| Crocidolite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Tremolite detected | Type | N/A | ISO 17025 | - | Not-detected | Not-detected |
| Asbestos % by hand picking/weighing | % | 0.001 | ISO 17025 | - | 0.011 | < 0.001 |
| Asbestos Containing Material Types Detected (ACM) | Type | N/A | ISO 17025 | - | Sheeting/Board Debris | Loose Fibres |

**General Inorganics**

| | | | | | | |
|---|---|---|---|---|---|---|
| pH (L099) | pH Units | N/A | MCERTS | 7.7 | 7.5 | 8 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 220 | 400 | 4800 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 66 | 28 | 3700 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 33 | 13.9 | 1840 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1.6 | 1.3 | 2.1 |

**Speciated PAHs**

| | | | | | | |
|---|---|---|---|---|---|---|
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.05 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.06 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.17 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.14 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.83 | 0.2 |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.25 | 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 0.19 | 1.7 | 0.6 |
| Pyrene | mg/kg | 0.05 | MCERTS | 0.18 | 1.5 | 0.53 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.11 | 0.76 | 0.43 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.12 | 0.74 | 0.54 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.19 | 1 | 0.93 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.06 | 0.53 | 0.4 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.11 | 0.97 | 0.65 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.08 | 0.51 | 0.36 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.11 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 0.09 | 0.63 | 0.42 |

**Total PAH**

| | | | | | | |
|---|---|---|---|---|---|---|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 1.13 | 9.79 | 5.21 |

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074806 | 1074807 | 1074808 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X11 | X12 | X12 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.50 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **Heavy Metals / Metalloids** | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 9 | 15 | 12 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.42 | 0.94 | 0.73 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.6 | 1.3 | 1.8 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 11 | 24 | 23 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 11 | 24 | 23 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 9.4 | 20 | 25 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 20 | 42 | 40 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 5.1 | 12 | 12 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 18 | 35 | 32 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 41 | 110 | 92 |
| **Petroleum Hydrocarbons** | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | 13 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 13 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 13 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 13 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | 14 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | 14 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | 14 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | 14 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | < 10 | 11 | 38 |
| Petroleum Range Organics (EC6 - EC10) $_{HS_1D_TOTAL}$ | mg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 |
| TPH (EC10 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | < 10 | 11 | 38 |

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**Analytical Report Number: 26-055663**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1074806 | 1074807 | 1074808 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X11 | X12 | X12 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.50 | 0.50 | 1.00 |
| Date Sampled | | | | 06/10/2026 | 06/10/2026 | 06/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **VOCs** | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Benzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Toluene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene | µg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |

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

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UKAS TESTING
4041

Normec i2 Analytical

**Analytical Report Number:** **26-055663**
**Project / Site name:** **High Bar Lane, Thakeham**
**Your Order No:** **16181**

# Certificate of Analysis - Asbestos Quantification

## Methods:

### Qualitative Analysis

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

### Quantitative Analysis

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

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

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

Both Qualitative and Quantitative Analyses are UKAS accredited.

| Sample Number | Sample ID | Sample Depth (m) | Sample Weight (g) | Asbestos Containing Material Types Detected (ACM) | PLM Results | Asbestos by hand picking/weighing (%) | Total % Asbestos in Sample | Analysis completed | Analyst ID |
|---|---|---|---|---|---|---|---|---|---|
| **1074807** | X12 | 0.5 | 104 | Sheeting/Board Debris | **Chrysotile** | 0.011 | **0.011** | 15/10/2026 | DSA |
| **1074808** | X12 | 1 | 53.3 | Loose Fibres | **Chrysotile** | < 0.001 | **< 0.001** | 16/10/2026 | DSA |

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



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**Analytical Report Number : 26-055663**
**Project / Site name: High Bar Lane, Thakeham**

* 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 * |
|---|---|---|---|---|
| 1074801 | X9 | None Supplied | 0.75 | Brown loam and sand with gravel |
| 1074802 | X9 | None Supplied | 1.5 | Brown loam and sand with vegetation and gravel |
| 1074803 | X9 | None Supplied | 2 | Brown loam and clay with vegetation and gravel |
| 1074804 | X10 | None Supplied | 0.5 | Brown loam and sand with vegetation and gravel |
| 1074805 | X10 | None Supplied | 1 | Brown loam and sand with stones and gravel |
| 1074806 | X11 | None Supplied | 0.5 | Brown loam and sand with gravel and vegetation |
| 1074807 | X12 | None Supplied | 0.5 | Brown clay and sand with vegetation |
| 1074808 | X12 | None Supplied | 1 | Brown sand |

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**Analytical Report Number : 26-055663**
**Project / Site name: High Bar Lane, Thakeham**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| Asbestos identification in Soil | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques | In-house method based on HSG 248, 2021 | A001B | D | ISO 17025 |
| Total organic carbon (Automated) in soil | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method | L009B | D | MCERTS |
| Moisture Content (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 |
| Metals in soil by ICP-OES | Determination of metals in soil by aqua-regia digestion followed by ICP-OES | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil | L038B | D | MCERTS |
| Boron, water soluble, in soil | Determination of water soluble boron in soil by hot water extract followed by ICP-OES | In-house method based on Second Site Properties version 3 | L038B | D | MCERTS |
| Total sulphate (as SO4 in soil) | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES | In-house method | L038B | D | MCERTS |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction) | In-house method | L038B | D | MCERTS |
| Speciated PAHs and/or Semi-volatile organic compounds in soil | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS | In-house method based on USEPA 8270 | L064B | D | MCERTS |
| TPH Chromatogram in soil | TPH Chromatogram in soil | In-house method | 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 |
| 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 with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |
| 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 by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |
| Chromium III in soil | In-house method by calculation from total Cr and Cr VI | In-house method by calculation | L080-PL/L130B | W | NONE |

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**Analytical Report Number : 26-055663**
**Project / Site name: High Bar Lane, Thakeham**

**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 |
|---|---|---|---|---|---|
| Hexavalent chromium in soil (low level) | Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry | In-house method | L080-PL | W | NONE |
| 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 | MCERTS |
| 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 |
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method | L099-PL | D | MCERTS |
| Soil Descriptions | Textural classification | In-house method | L019B | W | NONE |
| Asbestos Quantification - Gravimetric | Asbestos quantification by gravimetric method - in house method based on references | HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft) | A006B | D | ISO 17025 |

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

**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

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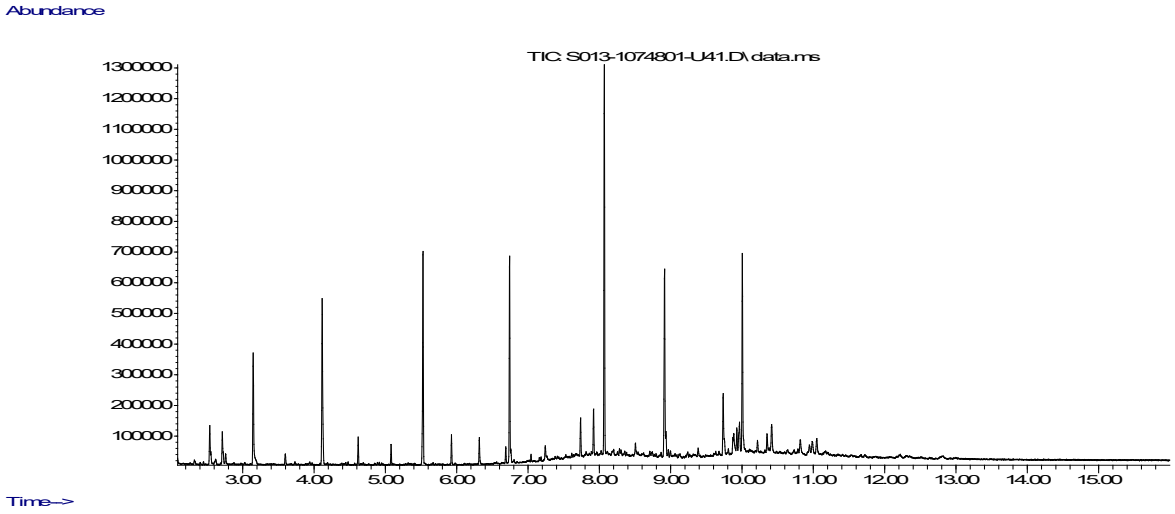


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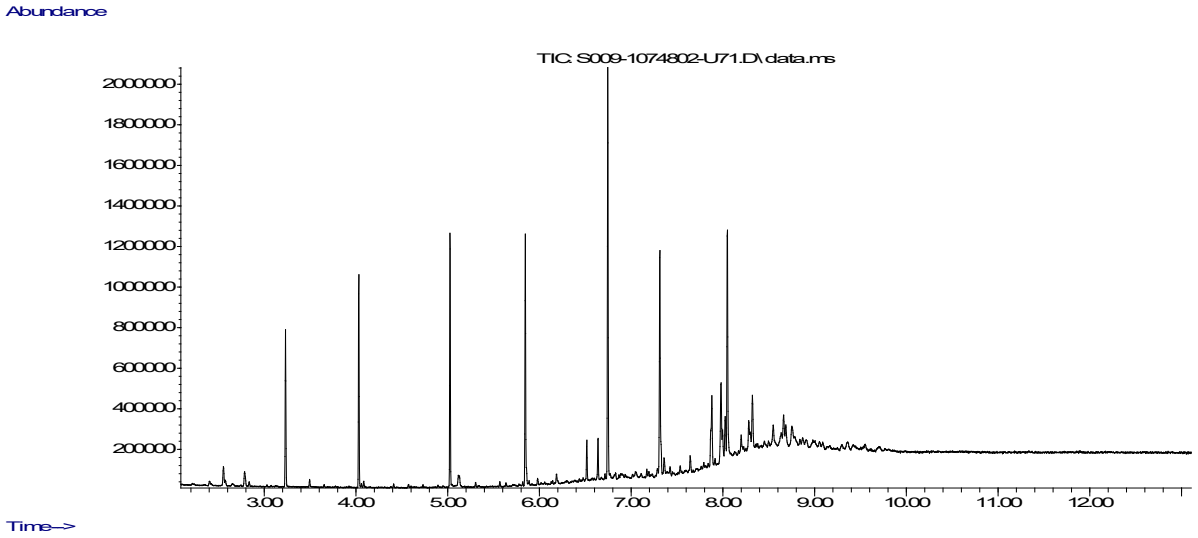


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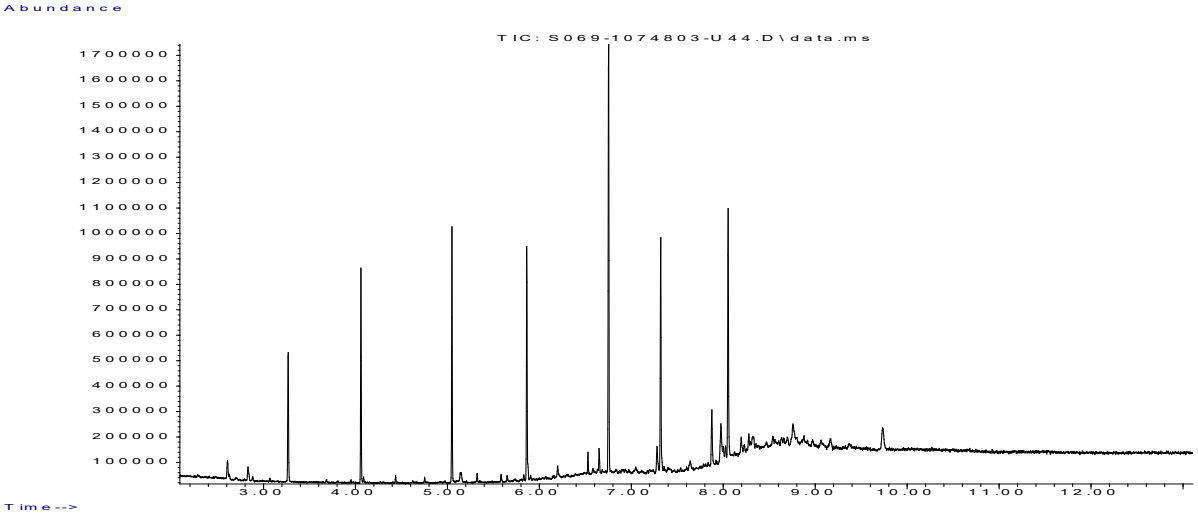
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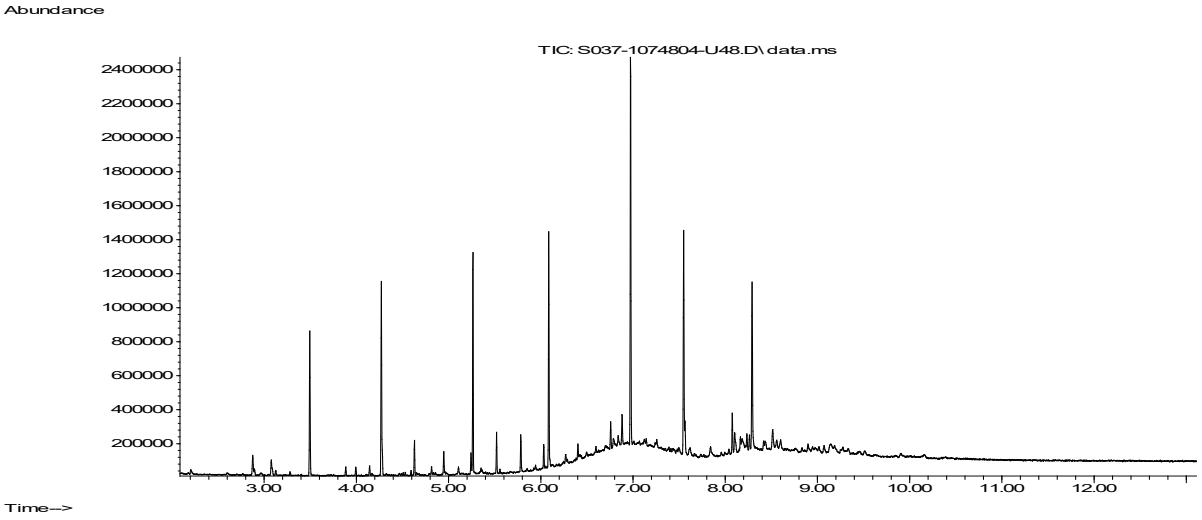
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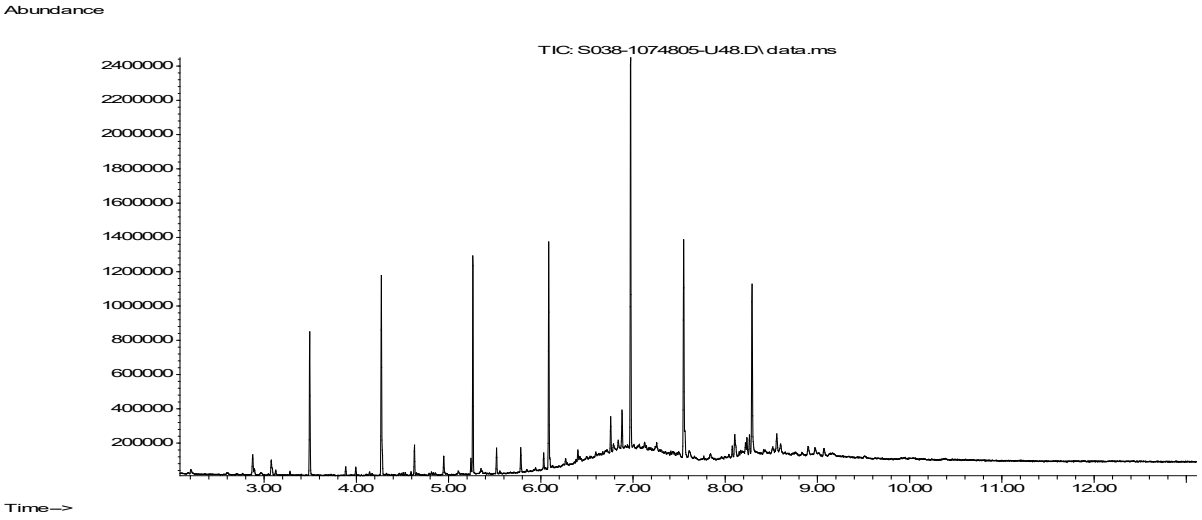


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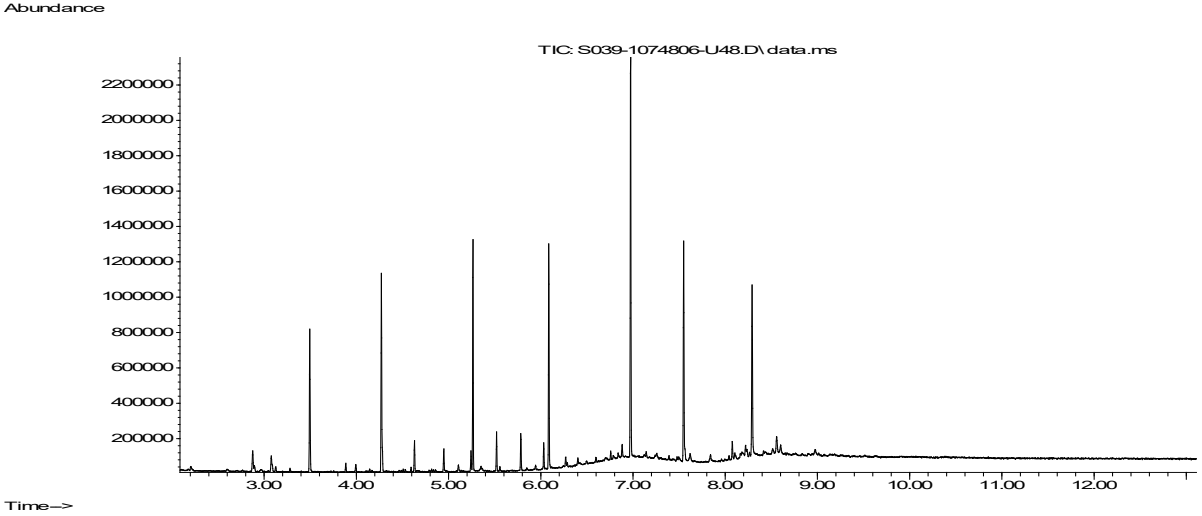


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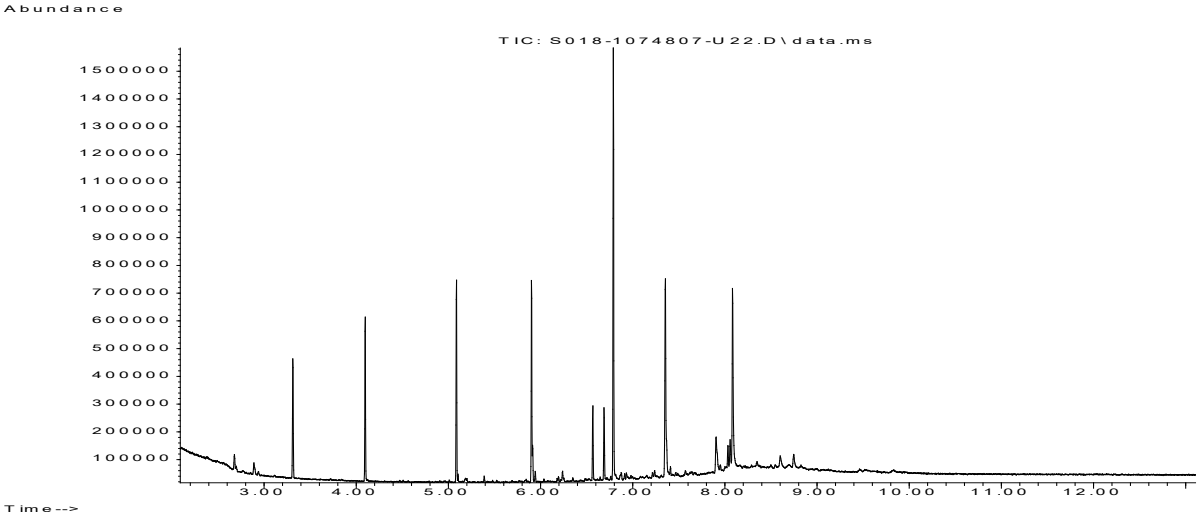


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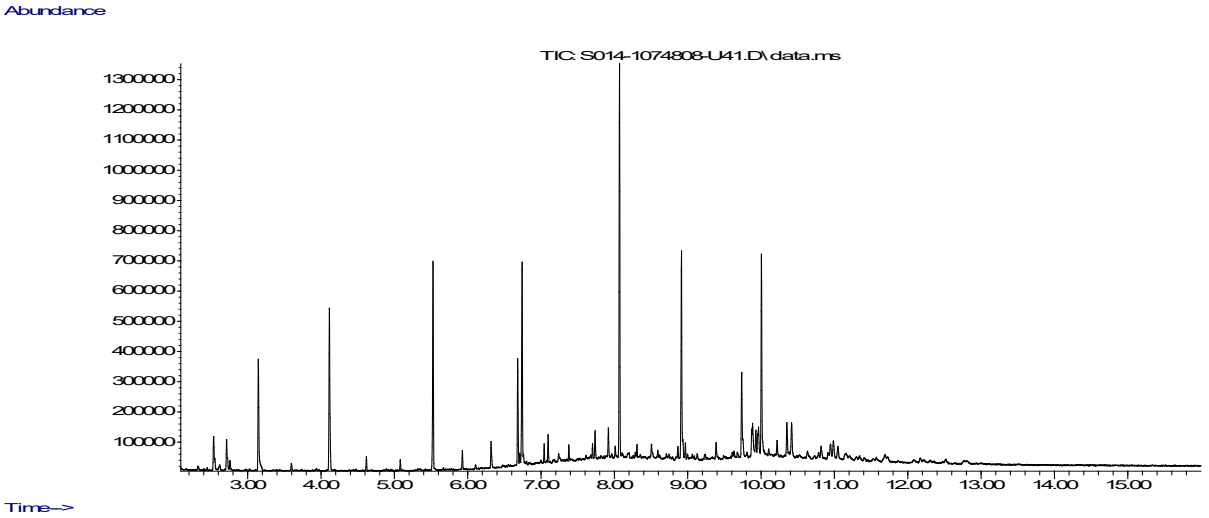


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# Analytical Report Number : 26-055421

| | | | |
|---|---|---|---|
| **Project / Site name:** | High Bar Lane, Thakeham | **Samples received on:** | 06/10/2026 |
| **Your job number:** | 26 13296 B GO | **Samples instructed on/ Analysis started on:** | 06/10/2026 |
| **Your order number:** | 16181 | **Analysis completed by:** | 20/10/2026 |
| **Report Issue Number:** | 1 | **Report issued on:** | 20/10/2026 |
| **Samples Analysed:** | 8 soil samples | | |

**Signed:**

Rachel Chappell
Key Account 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 |

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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.

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**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073444 | 1073445 | 1073446 | 1073447 | 1073448 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X1 | X2 | X3 | X4 | X5 |
| 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) | | | | 0.10 | 0.30 | 0.10 | 0.10 | 0.30 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| 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 | 36.2 | 15 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 8.9 | 13 | 13 | 9.9 | 11 |
| Total mass of sample received | kg | 0.1 | NONE | 1.1 | 1 | 1 | 0.9 | 1 |
| **Asbestos** | | | | | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | DSA | DSA | DSA | DSA | DSA |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| **General Inorganics** | | | | | | | | |
| pH (L099) | pH Units | N/A | MCERTS | 8.7 | 8.1 | 7.9 | 6 | 6.9 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 1800 | 640 | 710 | 700 | 490 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 300 | 58 | 110 | 26 | 30 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 148 | 28.9 | 53.9 | 13 | 15.2 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1.4 | 1.4 | 1.6 | 3.1 | 2.1 |
| **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 | 0.27 | 0.41 | 0.11 | < 0.05 | 0.08 |
| Anthracene | mg/kg | 0.05 | MCERTS | 0.11 | 0.12 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 1.3 | 1.1 | 0.37 | 0.13 | 0.19 |
| Pyrene | mg/kg | 0.05 | MCERTS | 1.4 | 1.1 | 0.36 | 0.14 | 0.2 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.77 | 0.62 | 0.23 | 0.09 | 0.11 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.72 | 0.59 | 0.23 | 0.11 | 0.14 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.95 | 0.75 | 0.3 | 0.12 | 0.18 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.51 | 0.41 | 0.15 | 0.06 | 0.09 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.92 | 0.71 | 0.26 | < 0.05 | 0.15 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.51 | 0.34 | 0.15 | < 0.05 | 0.09 |
| 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 | 0.63 | 0.39 | 0.18 | 0.06 | 0.11 |
| **Total PAH** | | | | | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 8.03 | 6.58 | 2.35 | < 0.80 | 1.33 |

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**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073444 | 1073445 | 1073446 | 1073447 | 1073448 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X1 | X2 | X3 | X4 | X5 |
| 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) | | | | 0.10 | 0.30 | 0.10 | 0.10 | 0.30 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **Heavy Metals / Metalloids** | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 11 | 10 | 11 | 6.4 | 15 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.68 | 0.77 | 0.74 | 0.39 | 0.58 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 1.9 | 1.4 | 1 | 0.8 | 1.7 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 0.4 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 19 | 22 | 21 | 12 | 15 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 19 | 22 | 21 | 12 | 15 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 39 | 20 | 28 | 9 | 17 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 92 | 38 | 30 | 26 | 35 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 11 | 10 | 5.7 | 7.8 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 30 | 35 | 31 | 19 | 26 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 150 | 79 | 67 | 51 | 60 |
| **Petroleum Hydrocarbons** | | | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 12 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| 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 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 | < 10 | < 10 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | < 10 | < 10 | 12 | < 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 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | 12 | < 10 | < 10 |

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**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073444 | 1073445 | 1073446 | 1073447 | 1073448 |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | X1 | X2 | X3 | X4 | X5 |
| 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) | | | | 0.10 | 0.30 | 0.10 | 0.10 | 0.30 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | | | |
| **VOCs** | | | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | 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 |
| Toluene | 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 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

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

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**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073449 | 1073450 | 1073451 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X6 | X7 | X8 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.10 | 0.10 | 0.10 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | 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 | 6.3 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 13 | 11 | 13 |
| Total mass of sample received | kg | 0.1 | NONE | 0.9 | 0.9 | 0.9 |
| **Asbestos** | | | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | DSA | DSA | DSA |
| Analysis completed | N/A | N/A | N/A | 15/10/2026 | 15/10/2026 | 15/10/2026 |
| **General Inorganics** | | | | | | |
| pH (L099) | pH Units | N/A | MCERTS | 7.3 | 7.3 | 7.1 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 880 | 810 | 460 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 34 | 34 | 37 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent | mg/l | 1.25 | MCERTS | 17.1 | 16.9 | 18.4 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 3.5 | 3.2 | 1.7 |
| **Speciated PAHs** | | | | | | |
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | 0.6 | 0.08 | 0.1 |
| Anthracene | mg/kg | 0.05 | MCERTS | 0.24 | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 2.7 | 0.29 | 0.11 |
| Pyrene | mg/kg | 0.05 | MCERTS | 2.7 | 0.29 | 0.12 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 1.4 | 0.19 | 0.08 |
| Chrysene | mg/kg | 0.05 | MCERTS | 1.3 | 0.2 | 0.08 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 1.5 | 0.35 | 0.11 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.83 | 0.11 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 1.6 | 0.23 | 0.09 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.77 | 0.14 | 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | 0.2 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 0.95 | 0.17 | 0.07 |
| **Total PAH** | | | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 14.8 | 2.06 | 0.8 |

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**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073449 | 1073450 | 1073451 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X6 | X7 | X8 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.10 | 0.10 | 0.10 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **Heavy Metals / Metalloids** | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 13 | 14 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.95 | 0.6 | 0.69 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 2.3 | 2.3 | 1.1 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 0.2 | 0.3 | < 0.2 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | NONE | < 1.2 | < 1.2 | < 1.2 |
| Chromium (III) | mg/kg | 1 | NONE | 22 | 20 | 20 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 22 | 20 | 20 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 22 | 33 | 11 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 64 | 43 | 20 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 8.8 | 8.2 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 33 | 24 | 31 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 120 | 140 | 39 |
| **Petroleum Hydrocarbons** | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$ | mg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | NONE | < 8.4 | < 8.4 | < 8.4 |
| TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 |
| TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$ | mg/kg | 10 | NONE | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | MCERTS | < 0.010 | < 0.010 | < 0.010 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | MCERTS | < 0.020 | < 0.020 | < 0.020 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 |
| TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 | < 2.0 |
| TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | < 10 |
| TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$ | mg/kg | 10 | MCERTS | < 10 | 20 | < 10 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | NONE | < 10 | 34 | < 10 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | NONE | < 8.4 | 41 | < 8.4 |
| TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | 20 | < 10 |
| TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$ | mg/kg | 10 | NONE | < 10 | 61 | < 10 |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | NONE | 11 | 41 | < 10 |
| Petroleum Range Organics (EC6 - EC10) $_{HS_1D_TOTAL}$ | mg/kg | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 |
| TPH (EC10 - EC40) $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | 11 | 41 | < 10 |

**Analytical Report Number: 26-055421**
**Project / Site name: High Bar Lane, Thakeham**
**Your Order No: 16181**

| Lab Sample Number | | | | 1073449 | 1073450 | 1073451 |
|---|---|---|---|---|---|---|
| Sample Reference | | | | X6 | X7 | X8 |
| Sample Number | | | | None Supplied | None Supplied | None Supplied |
| Water Matrix | | | | N/A | N/A | N/A |
| Depth (m) | | | | 0.10 | 0.10 | 0.10 |
| Date Sampled | | | | 05/10/2026 | 05/10/2026 | 05/10/2026 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | Test Accreditation Status | | | |
| **VOCs** | | | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Benzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Toluene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| Ethylbenzene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |
| p & m-Xylene | µg/kg | 8 | MCERTS | < 8.0 | < 8.0 | < 8.0 |
| o-Xylene | µg/kg | 5 | MCERTS | < 5.0 | < 5.0 | < 5.0 |

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

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**Analytical Report Number : 26-055421**
**Project / Site name: High Bar Lane, Thakeham**

* 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 * |
|---|---|---|---|---|
| 1073444 | X1 | None Supplied | 0.1 | Brown loam and sand with vegetation and stones |
| 1073445 | X2 | None Supplied | 0.3 | Brown loam and clay with vegetation and stones |
| 1073446 | X3 | None Supplied | 0.1 | Brown loam and sand with gravel and vegetation |
| 1073447 | X4 | None Supplied | 0.1 | Brown loam and sand with gravel and vegetation |
| 1073448 | X5 | None Supplied | 0.3 | Brown loam and sand with gravel and vegetation |
| 1073449 | X6 | None Supplied | 0.1 | Brown loam and sand with gravel and vegetation |
| 1073450 | X7 | None Supplied | 0.1 | Brown loam and sand with vegetation and stones |
| 1073451 | X8 | None Supplied | 0.1 | Brown loam and clay with gravel and vegetation |

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**Analytical Report Number : 26-055421**
**Project / Site name: High Bar Lane, Thakeham**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| Asbestos identification in Soil | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques | In-house method based on HSG 248, 2021 | A001B | D | ISO 17025 |
| Total organic carbon (Automated) in soil | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method | L009B | D | MCERTS |
| Moisture Content (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 |
| Metals in soil by ICP-OES | Determination of metals in soil by aqua-regia digestion followed by ICP-OES | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil | L038B | D | MCERTS |
| Boron, water soluble, in soil | Determination of water soluble boron in soil by hot water extract followed by ICP-OES | In-house method based on Second Site Properties version 3 | L038B | D | MCERTS |
| Total sulphate (as SO4 in soil) | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES | In-house method | L038B | D | MCERTS |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction) | In-house method | L038B | D | MCERTS |
| Speciated PAHs and/or Semi-volatile organic compounds in soil | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS | In-house method based on USEPA 8270 | L064B | D | MCERTS |
| TPH Chromatogram in soil | TPH Chromatogram in soil | In-house method | 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 |
| 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 with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |
| 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 by GC-FID/GC-MS HS in soil (Summed Bands) | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands). | Calculation | L076B/L088-PL | D/W | NONE |

**Analytical Report Number : 26-055421**
**Project / Site name: High Bar Lane, Thakeham**

**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 |
|---|---|---|---|---|---|
| Chromium III in soil | In-house method by calculation from total Cr and Cr VI | In-house method by calculation | L080-PL/L130B | W | NONE |
| Hexavalent chromium in soil (low level) | Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry | In-house method | L080-PL | W | NONE |
| 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 | MCERTS |
| 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 |
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method | L099-PL | D | MCERTS |
| Soil Descriptions | Textural classification | In-house method | L019B | W | NONE |

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

**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

##- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

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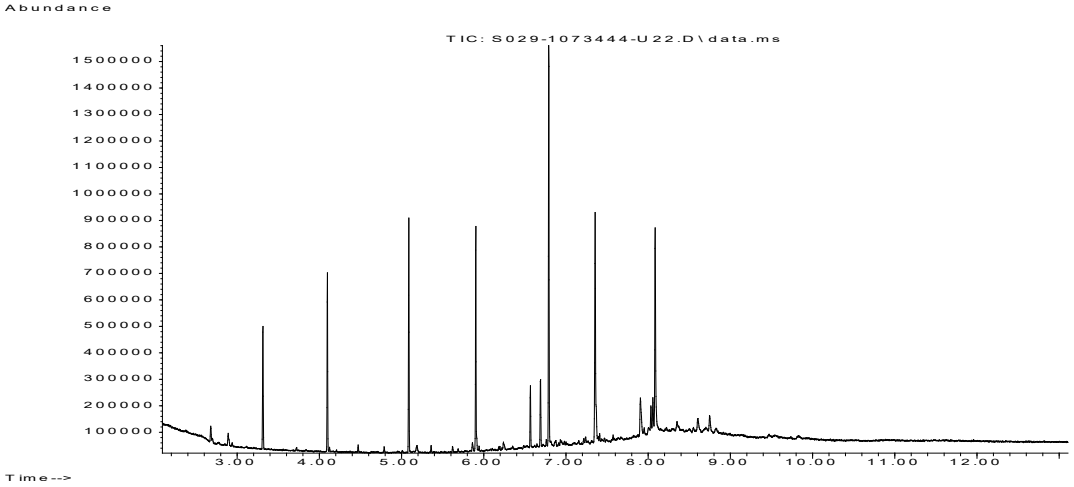


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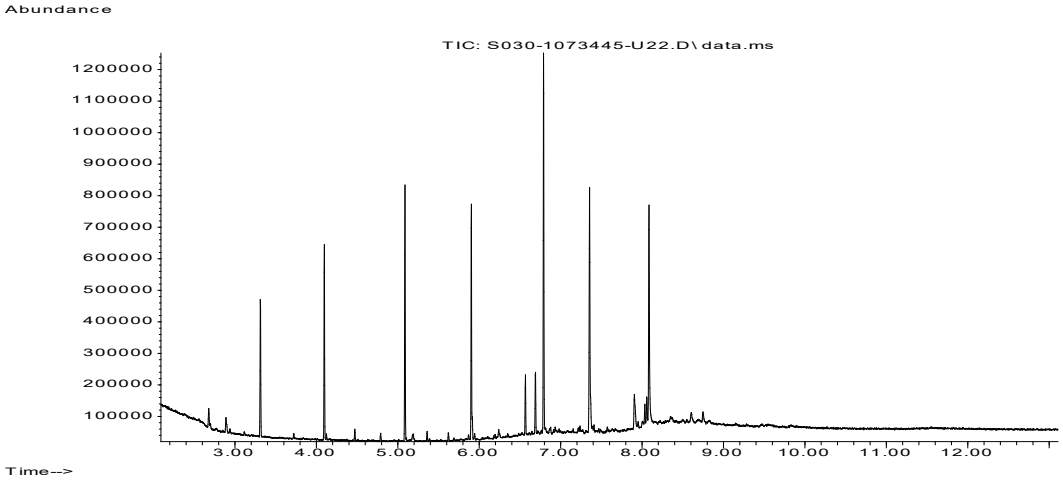


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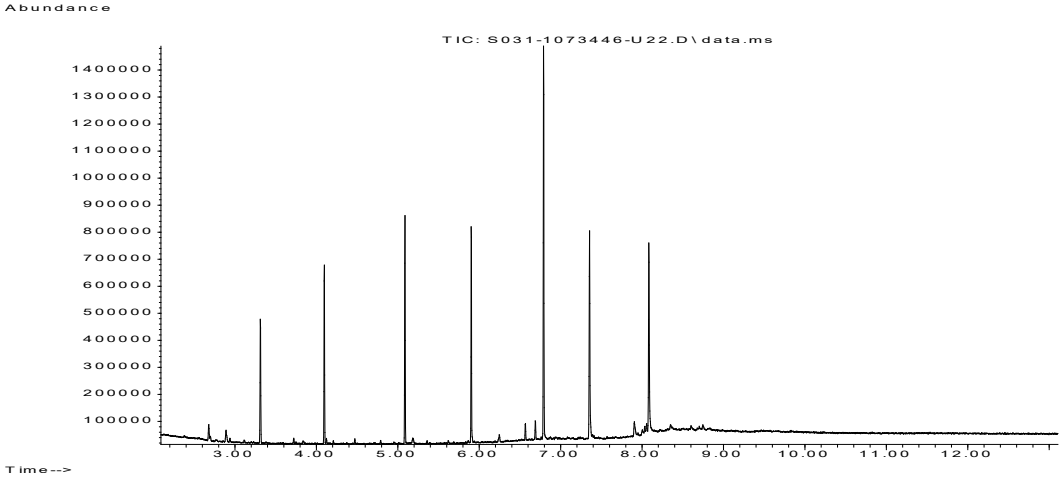


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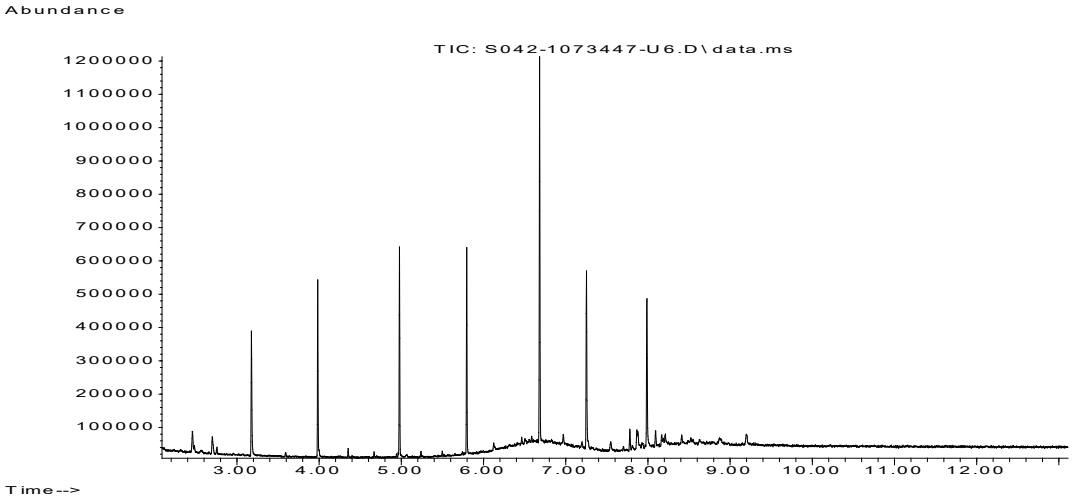


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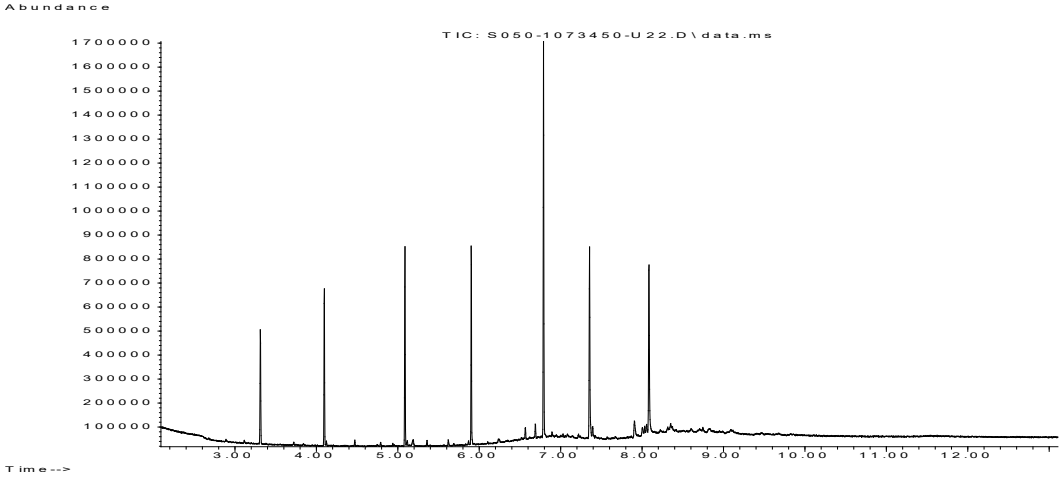


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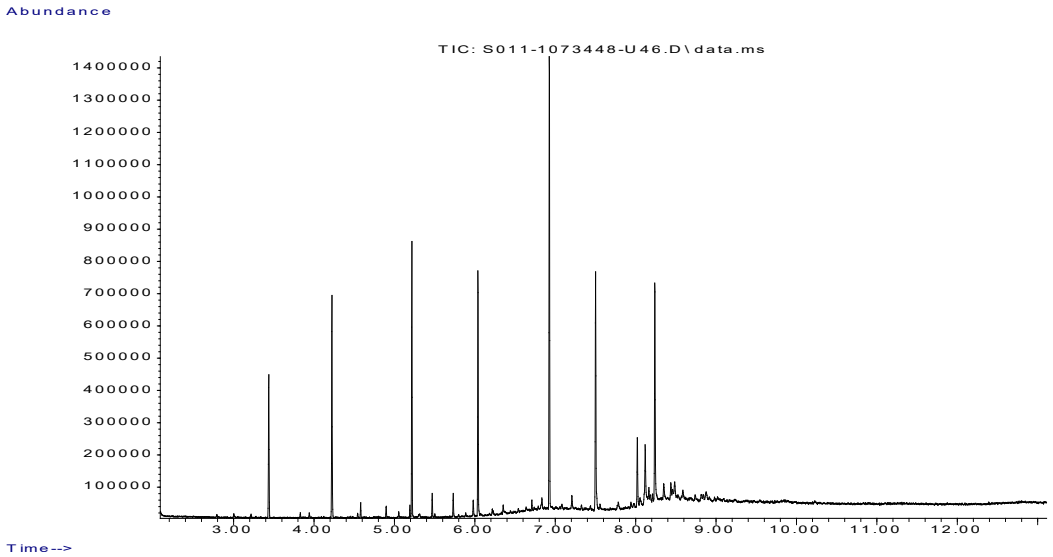


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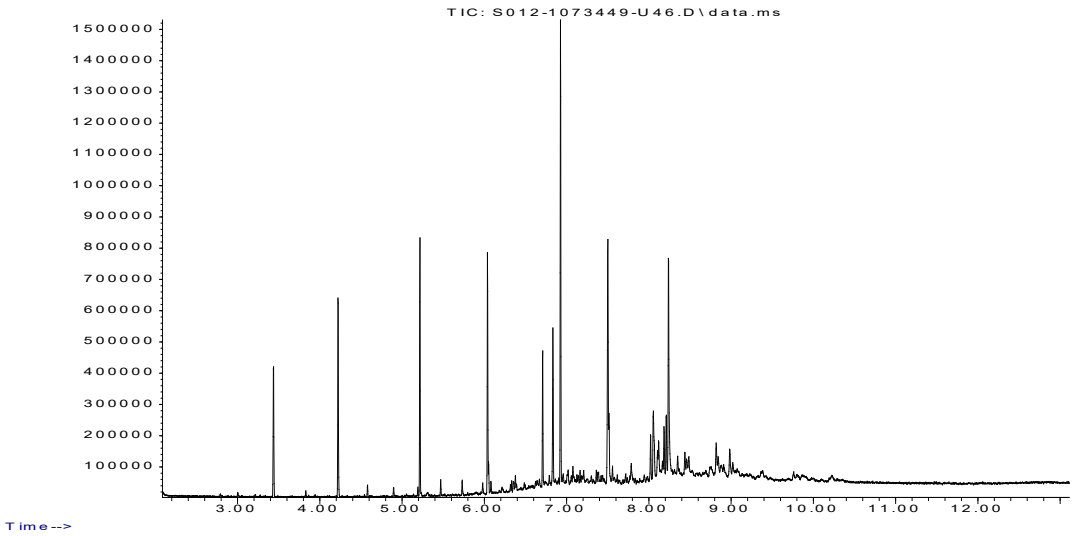


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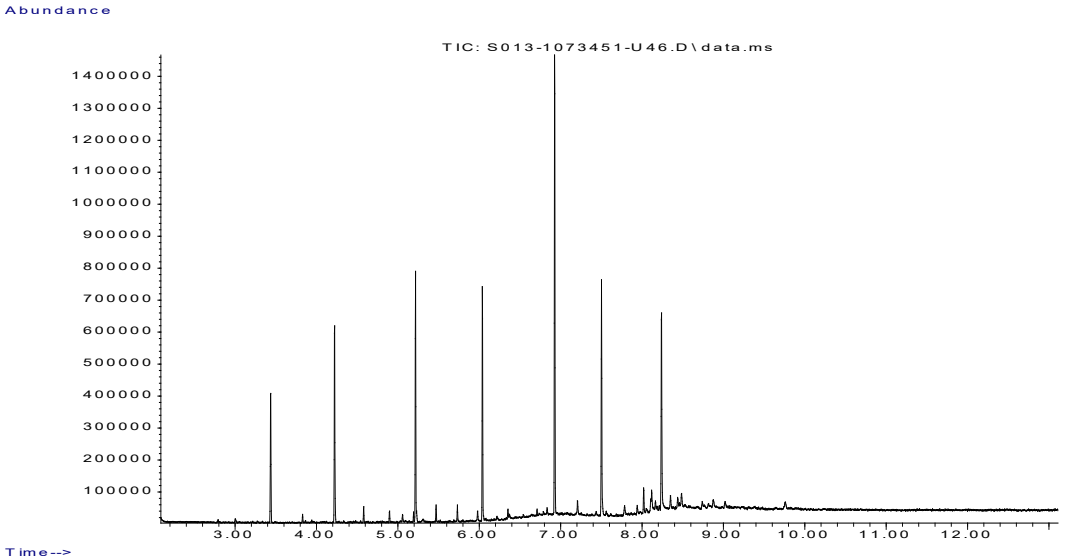


This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Site name: High Bar Lane, Thakeham
Report Ref/ 26/13296/B/GO

ALBURY S.I. LTD

## SUMMARY TABLE RESULTS - PLAY ALONG THE WAY

| Sample Reference | | | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | Arithmetic Mean | S4UL/C4SUL GAC Public Open Spaces near Residential Housing (1% SOM) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (m) | | | 0.10 | 0.30 | 0.10 | 0.10 | 0.30 | 0.10 | 0.10 | 0.10 | | |
| Date Sampled | | | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | 05/10/2026 | | |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | | | | | | | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected | | Non-detect |
| pH | pH Units | N/A | 8.7 | 8.1 | 7.9 | 6 | 6.9 | 7.3 | 7.3 | 7.1 | 7.4125 | |
| Total Sulphate as $SO_4$ | mg/kg | 50 | 1800 | 640 | 710 | 700 | 490 | 880 | 810 | 460 | 811.25 | |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | 148 | 28.9 | 53.9 | 13 | 15.2 | 17.1 | 16.9 | 18.4 | 38.925 | |
| Total Organic Carbon (TOC) | % | 0.1 | 1.4 | 1.4 | 1.6 | 3.1 | 2.1 | 3.5 | 3.2 | 1.7 | 2.25 | |
| **Speciated PAHs** | | | | | | | | | | | | |
| Naphthalene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | 4900 |
| Acenaphthylene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | 15000 |
| Acenaphthene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | 15000 |
| Fluorene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | | 9900 |
| Phenanthrene | mg/kg | 0.05 | 0.27 | 0.41 | 0.11 | < 0.05 | 0.08 | 0.6 | 0.08 | 0.1 | 0.24 | 3100 |
| Anthracene | mg/kg | 0.05 | 0.11 | 0.12 | < 0.05 | < 0.05 | < 0.05 | 0.24 | < 0.05 | < 0.05 | 0.16 | 74000 |
| Fluoranthene | mg/kg | 0.05 | 1.3 | 1.1 | 0.37 | 0.13 | 0.19 | 2.7 | 0.29 | 0.11 | 0.77 | 3100 |
| Pyrene | mg/kg | 0.05 | 1.4 | 1.1 | 0.36 | 0.14 | 0.2 | 2.7 | 0.29 | 0.12 | 0.79 | 7400 |
| Benzo(a)anthracene | mg/kg | 0.05 | 0.77 | 0.62 | 0.23 | 0.09 | 0.11 | 1.4 | 0.19 | 0.08 | 0.44 | 29 |
| Chrysene | mg/kg | 0.05 | 0.72 | 0.59 | 0.23 | 0.11 | 0.14 | 1.3 | 0.2 | 0.08 | 0.42 | 57 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | 0.95 | 0.75 | 0.3 | 0.12 | 0.18 | 1.5 | 0.35 | 0.11 | 0.53 | 7.1 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | 0.51 | 0.41 | 0.15 | 0.06 | 0.09 | 0.83 | 0.11 | < 0.05 | 0.31 | 190 |
| Benzo(a)pyrene | mg/kg | 0.05 | 0.92 | 0.71 | 0.26 | < 0.05 | 0.15 | 1.6 | 0.23 | 0.09 | 0.57 | 5.7 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | 0.51 | 0.34 | 0.15 | < 0.05 | 0.09 | 0.77 | 0.14 | 0.05 | 0.29 | 82 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.2 | < 0.05 | < 0.05 | 0.20 | 0.57 |
| Benzo(ghi)perylene | mg/kg | 0.05 | 0.63 | 0.39 | 0.18 | 0.06 | 0.11 | 0.95 | 0.17 | 0.07 | 0.32 | 640 |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | 8.03 | 6.58 | 2.35 | < 0.80 | 1.33 | 14.8 | 2.06 | 0.8 | | |
| Arsenic | mg/kg | 1 | 11 | 10 | 11 | 6.4 | 15 | 12 | 13 | 14 | 11.55 | 79 |
| Beryllium | mg/kg | 0.06 | 0.68 | 0.77 | 0.74 | 0.39 | 0.58 | 0.95 | 0.6 | 0.69 | 0.68 | 2.2 |
| Boron (water soluble) | mg/kg | 0.2 | 1.9 | 1.4 | 1 | 0.8 | 1.7 | 2.3 | 2.3 | 1.1 | 1.56 | 21000 |
| Cadmium | mg/kg | 0.2 | 0.4 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | 0.2 | 0.3 | < 0.2 | 0.30 | 120 |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | | 7.7 |
| Chromium (III) | mg/kg | 1 | 19 | 22 | 21 | 12 | 15 | 22 | 20 | 20 | 18.88 | 1500 |
| Copper | mg/kg | 1 | 39 | 20 | 28 | 9 | 17 | 22 | 33 | 11 | 22.38 | 12000 |
| Lead | mg/kg | 1 | 92 | 38 | 30 | 26 | 35 | 64 | 43 | 20 | 43.50 | 630 |
| Mercury | mg/kg | 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | 16 |
| Nickel | mg/kg | 1 | 12 | 11 | 10 | 5.7 | 7.8 | 12 | 8.8 | 8.2 | 9.44 | 230 |
| Selenium | mg/kg | 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | 1100 |
| Vanadium | mg/kg | 1 | 30 | 35 | 31 | 19 | 26 | 33 | 24 | 31 | 28.63 | 2000 |
| Zinc | mg/kg | 1 | 150 | 79 | 67 | 51 | 60 | 120 | 140 | 39 | 88.25 | 81000 |
| **Petroleum Hydrocarbons** | | | | | | | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | |
| TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$ | mg/kg | 2 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | | |
| TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | | |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | < 10 | < 10 | 12 | < 10 | < 10 | < 10 | < 10 | < 10 | | |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | | |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | | |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | |
| TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$ | mg/kg | 2 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | | |
| TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | | |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | 34 | < 10 | | |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | 41 | < 8.4 | | |
| TPH Total >EC6 - EC40 $_{EH_CU+HS_1D_TOTAL}$ | mg/kg | 10 | < 10 | < 10 | 12 | < 10 | < 10 | 11 | 41 | < 10 | | |

Site name: High Bar Lane, Thakeham
Report Ref. 26/13296/A/Go

## SUMMARY TABLE OF RESULTS - MOUND

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| Sample Reference | | | X9 | X9 | X9 | X10 | X10 | X11 | X12 | X12 | Arithmetic Mean | S4UL/C4SUL GAC Residential with home-grown produce (2.5% SOM) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (m) | | | 0.75 | 1.50 | 2.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.00 | | |
| Date Sampled | | | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | 06/10/2026 | | |
| Analytical Parameter (Soil Analysis) | Units | Test Limit of detection | | | | | | | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected | Detected | Detected | | Non-detect |
| Chrysotile detected | Type | N/A | - | - | - | - | - | - | Detected | Detected | | |
| Asbestos % by hand picking/weighing | % | 0.001 | - | - | - | - | - | - | 0.011 | < 0.001 | | |
| Asbestos Containing Material Types Detected (ACM) | Type | N/A | - | - | - | - | - | - | Sheeting/Board Debris | Loose Fibres | | |
| pH | pH Units | N/A | 7.9 | 7.7 | 7.7 | 7.6 | 7.8 | 7.7 | 7.5 | 8 | 7.7 | |
| Total Sulphate as $SO_4$ | mg/kg | 50 | 290 | 790 | 610 | 1000 | 670 | 220 | 400 | 4800 | 1097.5 | |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | 14.6 | 41.3 | 90.3 | 54.4 | 50.1 | 33 | 13.9 | 1840 | 267.2 | |
| Total Organic Carbon (TOC) | % | 0.1 | 1.8 | 4.7 | 2.2 | 4.7 | 1.4 | 1.6 | 1.3 | 2.1 | 2.5 | |
| **Speciated PAHs** | | | | | | | | | | | | |
| Naphthalene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.05 | < 0.05 | 0.05 | **5.6** |
| Acenaphthylene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.06 | < 0.05 | 0.06 | **420** |
| Acenaphthene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.17 | < 0.05 | 0.17 | **510** |
| Fluorene | mg/kg | 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | 0.14 | < 0.05 | 0.14 | **400** |
| Phenanthrene | mg/kg | 0.05 | 0.26 | 0.29 | 0.3 | 0.12 | 0.18 | < 0.05 | 0.83 | 0.2 | 0.31 | **220** |
| Anthracene | mg/kg | 0.05 | 0.07 | 0.07 | 0.09 | < 0.05 | 0.06 | < 0.05 | 0.25 | 0.05 | 0.10 | **5400** |
| Fluoranthene | mg/kg | 0.05 | 0.78 | 0.77 | 0.42 | 0.6 | 0.74 | 0.19 | 1.7 | 0.6 | 0.73 | **560** |
| Pyrene | mg/kg | 0.05 | 0.91 | 0.69 | 0.38 | 0.58 | 0.78 | 0.18 | 1.5 | 0.53 | 0.69 | **1200** |
| Benzo(a)anthracene | mg/kg | 0.05 | 0.53 | 0.58 | 0.22 | 0.36 | 0.42 | 0.11 | 0.76 | 0.43 | 0.43 | **11** |
| Chrysene | mg/kg | 0.05 | 0.63 | 0.59 | 0.21 | 0.43 | 0.46 | 0.12 | 0.74 | 0.54 | 0.47 | **22** |
| Benzo(b)fluoranthene | mg/kg | 0.05 | 0.81 | 0.9 | 0.23 | 0.49 | 0.52 | 0.19 | 1 | 0.93 | 0.63 | **3.3** |
| Benzo(k)fluoranthene | mg/kg | 0.05 | 0.38 | 0.29 | 0.13 | 0.22 | 0.26 | 0.06 | 0.53 | 0.4 | 0.28 | **93** |
| Benzo(a)pyrene | mg/kg | 0.05 | 0.74 | 0.61 | 0.22 | 0.42 | 0.51 | 0.11 | 0.97 | 0.65 | 0.53 | **2.7** |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | 0.46 | 0.4 | 0.11 | 0.27 | 0.31 | 0.08 | 0.51 | 0.36 | 0.31 | **36** |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | 0.13 | 0.11 | < 0.05 | 0.07 | 0.08 | < 0.05 | < 0.05 | 0.11 | 0.10 | **0.28** |
| Benzo(ghi)perylene | mg/kg | 0.05 | 0.57 | 0.48 | 0.14 | 0.34 | 0.35 | 0.09 | 0.63 | 0.42 | 0.38 | **340** |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | 6.27 | 5.78 | 2.46 | 3.89 | 4.67 | 1.13 | 9.79 | 5.21 | | |
| Arsenic | mg/kg | 1 | 13 | 9.3 | 7.6 | 7.9 | 9.6 | 9 | 15 | 12 | 10.4 | **37** |
| Beryllium | mg/kg | 0.06 | 0.86 | 0.57 | 0.5 | 0.42 | 0.64 | 0.42 | 0.94 | 0.73 | 0.6 | **1.7** |
| Boron (water soluble) | mg/kg | 0.2 | 0.6 | 2.9 | 1.5 | 2.1 | 1.2 | 0.6 | 1.3 | 1.8 | 1.5 | **290** |
| Cadmium | mg/kg | 0.2 | 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | 0.2 | **11** |
| Chromium (hexavalent) Low Level | mg/kg | 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | | **6** |
| Chromium (III) | mg/kg | 1 | 13 | 18 | 14 | 10 | 12 | 11 | 24 | 23 | 15.6 | **910** |
| Copper | mg/kg | 1 | 25 | 45 | 13 | 27 | 16 | 9.4 | 20 | 25 | 22.6 | **2400** |
| Lead | mg/kg | 1 | 87 | 83 | 29 | 59 | 52 | 20 | 42 | 40 | 51.5 | **200** |
| Mercury | mg/kg | 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 | | **11** |
| Nickel | mg/kg | 1 | 10 | 9.8 | 6.3 | 6.7 | 9.2 | 5.1 | 12 | 12 | 8.9 | **130** |
| Selenium | mg/kg | 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | **250** |
| Vanadium | mg/kg | 1 | 24 | 25 | 23 | 14 | 20 | 18 | 35 | 32 | 23.9 | **410** |
| Zinc | mg/kg | 1 | 95 | 130 | 53 | 98 | 61 | 41 | 110 | 92 | 85.0 | **3700** |
| **Petroleum Hydrocarbons** | | | | | | | | | | | | |
| TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | 42 |
| TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | 100 |
| TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | 27 |
| TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$ | mg/kg | 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | 130(48) |
| TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$ | mg/kg | 2 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | | 1100 (24) |
| TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$ | mg/kg | 8 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | < 8.0 | | 65000 |
| TPHCWG - Aliphatic >EC21 - EC40 $_{EH_CU_1D_AL}$ | mg/kg | 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | 13 | | 65000 |
| TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$ | mg/kg | 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | | 65000 |
| TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | 70 |
| TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$ | mg/kg | 0.01 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | 130 |
| TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$ | mg/kg | 0.02 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | | 34 |
| TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$ | mg/kg | 1 | < 1.0 | < 1.0 | < 1.0 | <2.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | 74 |
| TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$ | mg/kg | 2 | < 2.0 | < 2.0 | < 2.0 | <10 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | | 140 |
| TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$ | mg/kg | 10 | < 10 | < 10 | < 10 | 10 | < 10 | < 10 | < 10 | < 10 | | 260 |
| TPHCWG - Aromatic >EC21 - EC40 $_{EH_CU_1D_AR}$ | mg/kg | 10 | < 10 | < 10 | < 10 | 17 | < 10 | < 10 | < 10 | 14 | | 1100 |
| TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$ | mg/kg | 8.4 | < 8.4 | < 8.4 | < 8.4 | 13 | < 8.4 | < 8.4 | < 8.4 | < 8.4 | | 1100 |

# APPENDIX 3

# WASTE

# WASTE CLASSIFICATION

The European Waste Framework Directive is implemented in the UK by the 2002 Landfill Regulations, together with a number of other acts and regulations. A key part of this process is to establish the hazardous properties of potential waste. The classification and definition of hazardous waste is interpreted within the Environment Agency guidance WM3 and all wastes require classifying in accordance with the European Waste Catalogue [EWC]. The EWC is a detailed list of typical industry waste types and each has a 6 digit code. Typically the appropriate EWC codes for excavated soil being disposed off site are:

17 05 03* soil and stones containing dangerous substances, or
17 05 04 soil and stones other than those mentioned in 17 05 03

If excavated soils are to be discarded or exported from site then they would be considered controlled waste and require classification. However, if soils can be re-used on site then they are not considered to be controlled waste. A Desk Study, soil descriptions, laboratory chemical analysis and risk assessment can all contribute to basic waste characterisation. Depending upon the chemical composition or levels of contaminants in the waste (e.g. metals, TPH, asbestos), soil and stones can either be hazardous or non-hazardous. Waste Acceptance Criteria [WAC] test results are used to determine the suitability of the waste intended for disposal against the acceptance criteria for a particular class of landfill site. WAC tests are not used for the classification of waste soils and are only required for inert or hazardous excavated material which is destined for landfill.

Wastes containing asbestos with a concentration of >0.10% weight/weight (w/w) are generally considered to be hazardous. While waste with <0.10% w/w of asbestos are considered non-hazardous. Where free fibres or fibrous asbestos is present at concentrations of >0.001% then these are considered to pose a risk to human health and are deemed hazardous waste. These waste materials also require a suitably licensed company to handle them.

**Waste Treatment**

It is a requirement of the 2002 Landfill Regulations that all wastes must undergo some form of pre-treatment prior to disposal at an appropriately licensed landfill. Treatment is defined using a 'three-point test' and can include physical, chemical, biological or thermal processes, which must change the characteristics of the waste in order to:

- reduce its volume, or
- reduce its hazardous nature, or
- facilitate its handling, or
- enhance its recovery.

The exceptions to this are:

- inert waste for which treatment is not technically feasible.
- it is waste other than inert waste and treatment would not reduce its quantity or its hazards to human health or the environment.

The waste producer should either treat their own waste or ensure that the waste will be treated by a subsequent handler. The waste producer should record the type and amount of pre-treatment undertaken prior to disposal.

Examples of treatment include mechanical segregation or sorting, compositing, soil treatment hubs and incineration. This can include physical sorting of waste soil types into separate stockpiles at the producer site, e.g. topsoil, made ground and natural clay, sand or gravels.

# Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

5QIU4-YBLEQ-82PUY

This Waste Classification Report contains user defined substances. See Appendix A for details.

Report is invalid if pages are removed.

## Job name

26-055421_HWOL[2]

## Description/Comments

## Project

26/13296/B/GO

## Site

High Bar Lane, Thakeham

## Classified by

Name:
**George Owens**
Date:
**21 Oct 2026 13:57 GMT**
Telephone:
**01428 684 836**

Company:
**Albury SI Ltd**
**Miltons Yard, Petworth Rd, Witley**
**Godalming**
**GU8 5LH**

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

**HazWasteOnline™ Certification:** -

| Course | Date |
|---|---|
| Hazardous Waste Classification | - |

## Purpose of classification

2 - Material Characterisation

## Address of the waste

High Bar Lane, Thakeham **Post Code** RH20 3EH

## SIC for the process giving rise to the waste

41202 Construction of domestic buildings

## Description of industry/producer giving rise to the waste

Residential development and Public Open Space - Play equipment

## Description of the specific process, sub-process and/or activity that created the waste

Waste created during excavation of soils

## Description of the waste

made ground and sandy clay

## Waste Location




## Job summary

| # | Sample name | Depth [m] | Classification Result | Hazard properties | Page |
|---|---|---|---|---|---|
| 1 | X1--05102026-0.10 | | Non Hazardous | | 3 |
| 2 | X2--05102026-0.30 | | Non Hazardous | | 6 |
| 3 | X3--05102026-0.10 | | Non Hazardous | | 9 |
| 4 | X4--05102026-0.10 | | Non Hazardous | | 12 |
| 5 | X5--05102026-0.30 | | Non Hazardous | | 15 |
| 6 | X6--05102026-0.10 | | Non Hazardous | | 18 |
| 7 | X7--05102026-0.10 | | Non Hazardous | | 21 |
| 8 | X8--05102026-0.10 | | Non Hazardous | | 24 |

## Related documents

| # | Name | Description |
|---|---|---|
| 1 | 26-055421_HWOL.hwol | i2 Analytical .hwol file used to populate the Job |
| 2 | Example worst case waste stream template: 17 05 04 or 17 05 03 * with 1 extra determinand | waste stream template used to create this Job |

## Report

Created by: George Owens

Created date: 21 Oct 2026 13:57 GMT


| Appendices | Page |
|---|---|
| Appendix A: Classifier defined and non GB MCL determinands | 27 |
| Appendix B: Rationale for selection of metal species | 28 |
| Appendix C: Version | 29 |

## Classification of sample: X1--05102026-0.10

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X1--05102026-0.10**

Moisture content:
**8.9%**
(wet weight correction)

LoW Code:

Chapter:
17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry:
17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 8.9% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | 36.2 % | | 36.2 % | 36.2 % | | |
| 2 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 11 mg/kg | 1.895 | 12.112 mg/kg | 0.00121 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.68 mg/kg | 8.868 | 3.505 mg/kg | 0.00035 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 1.9 mg/kg | 5.719 | 6.316 mg/kg | 0.000632 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | 0.4 mg/kg | 1.855 | 0.431 mg/kg | 0.0000431 % | ✓ | |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 19 mg/kg | 1.462 | 16.14 mg/kg | 0.00161 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 39 mg/kg | 3.929 | 89.062 mg/kg | 0.00891 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 92 mg/kg | 1.56 | 83.407 mg/kg | 0.00535 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 12 mg/kg | 5.358 | 37.372 mg/kg | 0.00374 % | ✓ | |
| 13 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 14 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 30 mg/kg | 1.785 | 31.127 mg/kg | 0.00311 % | ✓ | |

| # | | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 150 | mg/kg | 2.774 | 241.858 | mg/kg | 0.0242 % | ✓ | |
| 16 | | TPH (C6 to C40) petroleum group | | | TPH | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | TPH_CONFIRM | | ☑ | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 19 | | benzene | 601-020-00-8 | 200-753-7 | 71-43-2 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 20 | | toluene | 601-021-00-3 | 203-625-9 | 108-88-3 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 21 | | ethylbenzene | 601-023-00-4 | 202-849-4 | 100-41-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 22 | | xylene | 601-022-00-9 | 215-535-7 | 1330-20-7 | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| 23 | | pH | | | PH | | 8.7 | pH | | 8.7 | pH | 8.7 pH | | |
| 24 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 25 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 26 | | acenaphthene | | 201-469-6 | 83-32-9 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 27 | | fluorene | | 201-695-5 | 86-73-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 28 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.27 | mg/kg | | 0.157 | mg/kg | 0.0000157 % | ✓ | |
| 29 | | anthracene | | 204-371-1 | 120-12-7 | | 0.11 | mg/kg | | 0.0639 | mg/kg | 0.00000639 % | ✓ | |
| 30 | | fluoranthene | | 205-912-4 | 206-44-0 | | 1.3 | mg/kg | | 0.756 | mg/kg | 0.0000756 % | ✓ | |
| 31 | | pyrene | | 204-927-3 | 129-00-0 | | 1.4 | mg/kg | | 0.814 | mg/kg | 0.0000814 % | ✓ | |
| 32 | | benzo[a]anthracene | 601-033-00-9 | 200-280-6 | 56-55-3 | | 0.77 | mg/kg | | 0.448 | mg/kg | 0.0000448 % | ✓ | |
| 33 | | chrysene | 601-048-00-0 | 205-923-4 | 218-01-9 | | 0.72 | mg/kg | | 0.418 | mg/kg | 0.0000418 % | ✓ | |
| 34 | | benzo[b]fluoranthene | 601-034-00-4 | 205-911-9 | 205-99-2 | | 0.95 | mg/kg | | 0.552 | mg/kg | 0.0000552 % | ✓ | |
| 35 | | benzo[k]fluoranthene | 601-036-00-5 | 205-916-6 | 207-08-9 | | 0.51 | mg/kg | | 0.296 | mg/kg | 0.0000296 % | ✓ | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | 601-032-00-3 | 200-028-5 | 50-32-8 | | 0.92 | mg/kg | | 0.535 | mg/kg | 0.0000535 % | ✓ | |
| 37 | | indeno[123-cd]pyrene | | 205-893-2 | 193-39-5 | | 0.51 | mg/kg | | 0.296 | mg/kg | 0.0000296 % | ✓ | |
| 38 | | dibenz[a,h]anthracene | 601-041-00-2 | 200-181-8 | 53-70-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 39 | | benzo[ghi]perylene | | 205-883-8 | 191-24-2 | | 0.63 | mg/kg | | 0.366 | mg/kg | 0.0000366 % | ✓ | |
| | | | | | | | | | | | Total: | 36.25 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
|  | Determinand defined by classifier (see Appendix A) |
|  | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X2--05102026-0.30

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X2--05102026-0.30**
Moisture content:
**13%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | 15 % | | 15 % | 15% | | |
| 2 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 10 mg/kg | 1.895 | 14.01 mg/kg | 0.0014 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.77 mg/kg | 8.868 | 5.05 mg/kg | 0.000505 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 1.4 mg/kg | 5.719 | 5.921 mg/kg | 0.000592 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 22 mg/kg | 1.462 | 23.778 mg/kg | 0.00238 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 20 mg/kg | 3.929 | 58.111 mg/kg | 0.00581 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 38 mg/kg | 1.56 | 43.832 mg/kg | 0.00281 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 11 mg/kg | 5.358 | 43.587 mg/kg | 0.00436 % | ✓ | |
| 13 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 14 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 35 mg/kg | 1.785 | 46.205 mg/kg | 0.00462 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | zinc { zinc chromate } | | | | 79 | mg/kg | 2.774 | 162.067 | mg/kg | 0.0162 % | ✓ | |
| | | 024-007-00-3 | 236-878-9 | 13530-65-9 | | | | | | | | | |
| 16 | | TPH (C6 to C40) petroleum group | | | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| | | | | TPH | | | | | | | | | |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | | ☑ | | | | | | | |
| | | | | TPH_CONFIRM | | | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 19 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 20 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 21 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 22 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 23 | | pH | | | | 8.1 | pH | | 8.1 | pH | 8.1 pH | | |
| | | | | PH | | | | | | | | | |
| 24 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 25 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 26 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 27 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 28 | | phenanthrene | | | | 0.41 | mg/kg | | 0.303 | mg/kg | 0.0000303 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 29 | | anthracene | | | | 0.12 | mg/kg | | 0.0887 | mg/kg | 0.00000887 % | ✓ | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 30 | | fluoranthene | | | | 1.1 | mg/kg | | 0.813 | mg/kg | 0.0000813 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 31 | | pyrene | | | | 1.1 | mg/kg | | 0.813 | mg/kg | 0.0000813 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 32 | | benzo[a]anthracene | | | | 0.62 | mg/kg | | 0.458 | mg/kg | 0.0000458 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 33 | | chrysene | | | | 0.59 | mg/kg | | 0.436 | mg/kg | 0.0000436 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 34 | | benzo[b]fluoranthene | | | | 0.75 | mg/kg | | 0.555 | mg/kg | 0.0000555 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 35 | | benzo[k]fluoranthene | | | | 0.41 | mg/kg | | 0.303 | mg/kg | 0.0000303 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.71 | mg/kg | | 0.525 | mg/kg | 0.0000525 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 37 | | indeno[123-cd]pyrene | | | | 0.34 | mg/kg | | 0.251 | mg/kg | 0.0000251 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 38 | | dibenz[a,h]anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 39 | | benzo[ghi]perylene | | | | 0.39 | mg/kg | | 0.288 | mg/kg | 0.0000288 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 15.039 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
|  | Determinand defined by classifier (see Appendix A) |
|  | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X3--05102026-0.10

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X3--05102026-0.10**

Moisture content:
**13%**
(wet weight correction)

LoW Code:

Chapter:
17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry:
17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

| # | | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 | % | | <0.1 | % | <0.1 % | | **<LOD** |
| 2 | | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | | | |
| 3 | | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 11 | mg/kg | 1.895 | 18.131 | mg/kg | 0.00181 % | ✓ | |
| 4 | | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.74 | mg/kg | 8.868 | 5.709 | mg/kg | 0.000571 % | ✓ | |
| 5 | | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 1 | mg/kg | 5.719 | 4.976 | mg/kg | 0.000498 % | ✓ | |
| 6 | | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 | mg/kg | 1.855 | <0.371 | mg/kg | <0.0000371 % | | **<LOD** |
| 7 | | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 21 | mg/kg | 1.462 | 26.703 | mg/kg | 0.00267 % | ✓ | |
| 8 | | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 | mg/kg | 2.27 | <2.724 | mg/kg | <0.000272 % | | **<LOD** |
| 9 | | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 28 | mg/kg | 3.929 | 95.712 | mg/kg | 0.00957 % | ✓ | |
| 10 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 30 | mg/kg | 1.56 | 40.711 | mg/kg | 0.00261 % | ✓ | |
| 11 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 | mg/kg | 1.353 | <0.406 | mg/kg | <0.0000406 % | | **<LOD** |
| 12 | | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 10 | mg/kg | 5.358 | 46.617 | mg/kg | 0.00466 % | ✓ | |
| 13 | | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 | mg/kg | 2.554 | <2.554 | mg/kg | <0.000255 % | | **<LOD** |
| 14 | | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 31 | mg/kg | 1.785 | 48.146 | mg/kg | 0.00481 % | ✓ | |

| # | | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 67 | mg/kg | 2.774 | 161.705 | mg/kg | 0.0162 % | ✓ | |
| 16 | | TPH (C6 to C40) petroleum group | | | TPH | | 12 | mg/kg | | 10.44 | mg/kg | 0.00104 % | ✓ | |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | TPH_CONFIRM | | ☑ | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 19 | | benzene | 601-020-00-8 | 200-753-7 | 71-43-2 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 20 | | toluene | 601-021-00-3 | 203-625-9 | 108-88-3 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 21 | | ethylbenzene | 601-023-00-4 | 202-849-4 | 100-41-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 22 | | xylene | 601-022-00-9 | 215-535-7 | 1330-20-7 | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| 23 | | pH | | | PH | | 7.9 | pH | | 7.9 | pH | 7.9 pH | | |
| 24 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 25 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 26 | | acenaphthene | | 201-469-6 | 83-32-9 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 27 | | fluorene | | 201-695-5 | 86-73-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 28 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.11 | mg/kg | | 0.0957 | mg/kg | 0.00000957 % | ✓ | |
| 29 | | anthracene | | 204-371-1 | 120-12-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 30 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.37 | mg/kg | | 0.322 | mg/kg | 0.0000322 % | ✓ | |
| 31 | | pyrene | | 204-927-3 | 129-00-0 | | 0.36 | mg/kg | | 0.313 | mg/kg | 0.0000313 % | ✓ | |
| 32 | | benzo[a]anthracene | 601-033-00-9 | 200-280-6 | 56-55-3 | | 0.23 | mg/kg | | 0.2 | mg/kg | 0.00002 % | ✓ | |
| 33 | | chrysene | 601-048-00-0 | 205-923-4 | 218-01-9 | | 0.23 | mg/kg | | 0.2 | mg/kg | 0.00002 % | ✓ | |
| 34 | | benzo[b]fluoranthene | 601-034-00-4 | 205-911-9 | 205-99-2 | | 0.3 | mg/kg | | 0.261 | mg/kg | 0.0000261 % | ✓ | |
| 35 | | benzo[k]fluoranthene | 601-036-00-5 | 205-916-6 | 207-08-9 | | 0.15 | mg/kg | | 0.13 | mg/kg | 0.000013 % | ✓ | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | 601-032-00-3 | 200-028-5 | 50-32-8 | | 0.26 | mg/kg | | 0.226 | mg/kg | 0.0000226 % | ✓ | |
| 37 | | indeno[123-cd]pyrene | | 205-893-2 | 193-39-5 | | 0.15 | mg/kg | | 0.13 | mg/kg | 0.000013 % | ✓ | |
| 38 | | dibenz[a,h]anthracene | 601-041-00-2 | 200-181-8 | 53-70-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 39 | | benzo[ghi]perylene | | 205-883-8 | 191-24-2 | | 0.18 | mg/kg | | 0.157 | mg/kg | 0.0000157 % | ✓ | |
| | | | | | | | | | | | Total: | 0.0446 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%) because: no liquid phase: results too low to be flammable

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00104%)

## Classification of sample: X4--05102026-0.10

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X4--05102026-0.10**
Moisture content:
**9.9%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 9.9% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 6.4 mg/kg | 1.895 | 10.925 mg/kg | 0.00109 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.39 mg/kg | 8.868 | 3.116 mg/kg | 0.000312 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 0.8 mg/kg | 5.719 | 4.122 mg/kg | 0.000412 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 12 mg/kg | 1.462 | 15.802 mg/kg | 0.00158 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 9 mg/kg | 3.929 | 31.861 mg/kg | 0.00319 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 26 mg/kg | 1.56 | 36.54 mg/kg | 0.00234 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 5.7 mg/kg | 5.358 | 27.519 mg/kg | 0.00275 % | ✓ | |
| 13 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 14 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 19 mg/kg | 1.785 | 30.561 mg/kg | 0.00306 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | zinc { zinc chromate } | | | | 51 | mg/kg | 2.774 | 127.475 | mg/kg | 0.0127 % | ✓ | |
| | | 024-007-00-3 | 236-878-9 | 13530-65-9 | | | | | | | | | |
| 16 | | TPH (C6 to C40) petroleum group | | | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| | | | | TPH | | | | | | | | | |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | | ☑ | | | | | | | |
| | | | | TPH_CONFIRM | | | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 19 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 20 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 21 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 22 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 23 | | pH | | | | 6 | pH | | 6 | pH | 6pH | | |
| | | | | PH | | | | | | | | | |
| 24 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 25 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 26 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 27 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 28 | | phenanthrene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 29 | | anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 30 | | fluoranthene | | | | 0.13 | mg/kg | | 0.117 | mg/kg | 0.0000117 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 31 | | pyrene | | | | 0.14 | mg/kg | | 0.126 | mg/kg | 0.0000126 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 32 | | benzo[a]anthracene | | | | 0.09 | mg/kg | | 0.0811 | mg/kg | 0.00000811 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 33 | | chrysene | | | | 0.11 | mg/kg | | 0.0991 | mg/kg | 0.00000991 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 34 | | benzo[b]fluoranthene | | | | 0.12 | mg/kg | | 0.108 | mg/kg | 0.0000108 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 35 | | benzo[k]fluoranthene | | | | 0.06 | mg/kg | | 0.0541 | mg/kg | 0.00000541 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 37 | | indeno[123-cd]pyrene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 38 | | dibenz[a,h]anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 39 | | benzo[ghi]perylene | | | | 0.06 | mg/kg | | 0.0541 | mg/kg | 0.00000541 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0275 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X5--05102026-0.30

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X5--05102026-0.30**
Moisture content:
**11%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <**LOD** |
| 2 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 15 mg/kg | 1.895 | 25.292 mg/kg | 0.00253 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.58 mg/kg | 8.868 | 4.578 mg/kg | 0.000458 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 1.7 mg/kg | 5.719 | 8.653 mg/kg | 0.000865 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <**LOD** |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 15 mg/kg | 1.462 | 19.512 mg/kg | 0.00195 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <**LOD** |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 17 mg/kg | 3.929 | 59.447 mg/kg | 0.00594 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 35 mg/kg | 1.56 | 48.588 mg/kg | 0.00311 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <**LOD** |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 7.8 mg/kg | 5.358 | 37.197 mg/kg | 0.00372 % | ✓ | |
| 13 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <**LOD** |
| 14 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 26 mg/kg | 1.785 | 41.309 mg/kg | 0.00413 % | ✓ | |

| # | | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 60 | mg/kg | 2.774 | 148.139 | mg/kg | 0.0148 % | ✓ | |
| 16 | | TPH (C6 to C40) petroleum group | | | TPH | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | TPH_CONFIRM | | ☑ | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 19 | | benzene | 601-020-00-8 | 200-753-7 | 71-43-2 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 20 | | toluene | 601-021-00-3 | 203-625-9 | 108-88-3 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 21 | | ethylbenzene | 601-023-00-4 | 202-849-4 | 100-41-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 22 | | xylene | 601-022-00-9 | 215-535-7 | 1330-20-7 | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| 23 | | pH | | | PH | | 6.9 | pH | | 6.9 | pH | 6.9 pH | | |
| 24 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 25 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 26 | | acenaphthene | | 201-469-6 | 83-32-9 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 27 | | fluorene | | 201-695-5 | 86-73-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 28 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.08 | mg/kg | | 0.0712 | mg/kg | 0.00000712 % | ✓ | |
| 29 | | anthracene | | 204-371-1 | 120-12-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 30 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.19 | mg/kg | | 0.169 | mg/kg | 0.0000169 % | ✓ | |
| 31 | | pyrene | | 204-927-3 | 129-00-0 | | 0.2 | mg/kg | | 0.178 | mg/kg | 0.0000178 % | ✓ | |
| 32 | | benzo[a]anthracene | 601-033-00-9 | 200-280-6 | 56-55-3 | | 0.11 | mg/kg | | 0.0979 | mg/kg | 0.00000979 % | ✓ | |
| 33 | | chrysene | 601-048-00-0 | 205-923-4 | 218-01-9 | | 0.14 | mg/kg | | 0.125 | mg/kg | 0.0000125 % | ✓ | |
| 34 | | benzo[b]fluoranthene | 601-034-00-4 | 205-911-9 | 205-99-2 | | 0.18 | mg/kg | | 0.16 | mg/kg | 0.000016 % | ✓ | |
| 35 | | benzo[k]fluoranthene | 601-036-00-5 | 205-916-6 | 207-08-9 | | 0.09 | mg/kg | | 0.0801 | mg/kg | 0.00000801 % | ✓ | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | 601-032-00-3 | 200-028-5 | 50-32-8 | | 0.15 | mg/kg | | 0.134 | mg/kg | 0.0000134 % | ✓ | |
| 37 | | indeno[123-cd]pyrene | | 205-893-2 | 193-39-5 | | 0.09 | mg/kg | | 0.0801 | mg/kg | 0.00000801 % | ✓ | |
| 38 | | dibenz[a,h]anthracene | 601-041-00-2 | 200-181-8 | 53-70-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 39 | | benzo[ghi]perylene | | 205-883-8 | 191-24-2 | | 0.11 | mg/kg | | 0.0979 | mg/kg | 0.00000979 % | ✓ | |
| | | | | | | | | | | | Total: | 0.0376 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
|  | Determinand defined by classifier (see Appendix A) |
|  | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X6--05102026-0.10

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X6--05102026-0.10**
Moisture content:
**13%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 12 mg/kg | 1.895 | 19.779 mg/kg | 0.00198 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.95 mg/kg | 8.868 | 7.329 mg/kg | 0.000733 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 2.3 mg/kg | 5.719 | 11.444 mg/kg | 0.00114 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | 0.2 mg/kg | 1.855 | 0.323 mg/kg | 0.0000323 % | ✓ | |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 22 mg/kg | 1.462 | 27.974 mg/kg | 0.0028 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 22 mg/kg | 3.929 | 75.202 mg/kg | 0.00752 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 64 mg/kg | 1.56 | 86.851 mg/kg | 0.00557 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 12 mg/kg | 5.358 | 55.941 mg/kg | 0.00559 % | ✓ | |
| 13 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 14 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 33 mg/kg | 1.785 | 51.253 mg/kg | 0.00513 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | zinc { zinc chromate } | | | | 120 | mg/kg | 2.774 | 289.621 | mg/kg | 0.029 % | ✓ | |
| | | 024-007-00-3 | 236-878-9 | 13530-65-9 | | | | | | | | | |
| 16 | | TPH (C6 to C40) petroleum group | | | | 11 | mg/kg | | 9.57 | mg/kg | 0.000957 % | ✓ | |
| | | | | TPH | | | | | | | | | |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | | ☑ | | | | | | | |
| | | | | TPH_CONFIRM | | | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 19 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 20 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 21 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 22 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 23 | | pH | | | | 7.3 | pH | | 7.3 | pH | 7.3 pH | | |
| | | | | PH | | | | | | | | | |
| 24 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 25 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 26 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 27 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 28 | | phenanthrene | | | | 0.6 | mg/kg | | 0.522 | mg/kg | 0.0000522 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 29 | | anthracene | | | | 0.24 | mg/kg | | 0.209 | mg/kg | 0.0000209 % | ✓ | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 30 | | fluoranthene | | | | 2.7 | mg/kg | | 2.349 | mg/kg | 0.000235 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 31 | | pyrene | | | | 2.7 | mg/kg | | 2.349 | mg/kg | 0.000235 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 32 | | benzo[a]anthracene | | | | 1.4 | mg/kg | | 1.218 | mg/kg | 0.000122 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 33 | | chrysene | | | | 1.3 | mg/kg | | 1.131 | mg/kg | 0.000113 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 34 | | benzo[b]fluoranthene | | | | 1.5 | mg/kg | | 1.305 | mg/kg | 0.000131 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 35 | | benzo[k]fluoranthene | | | | 0.83 | mg/kg | | 0.722 | mg/kg | 0.0000722 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | | | | 1.6 | mg/kg | | 1.392 | mg/kg | 0.000139 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 37 | | indeno[123-cd]pyrene | | | | 0.77 | mg/kg | | 0.67 | mg/kg | 0.000067 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 38 | | dibenz[a,h]anthracene | | | | 0.2 | mg/kg | | 0.174 | mg/kg | 0.0000174 % | ✓ | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 39 | | benzo[ghi]perylene | | | | 0.95 | mg/kg | | 0.826 | mg/kg | 0.0000826 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0617 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%) because: no liquid phase: results too low to be flammable

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00095%)

## Classification of sample: X7--05102026-0.10

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X7--05102026-0.10**

Moisture content:
**11%**
(wet weight correction)

LoW Code:

Chapter:
17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry:
17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | 6.3 % | | 6.3 % | 6.3 % | | |
| 2 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 13 mg/kg | 1.895 | 20.539 mg/kg | 0.00205 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.6 mg/kg | 8.868 | 4.437 mg/kg | 0.000444 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1]<br>234-343-4 [2] | 10043-35-3 [1]<br>11113-50-1 [2] | | 2.3 mg/kg | 5.719 | 10.97 mg/kg | 0.0011 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | 0.3 mg/kg | 1.855 | 0.464 mg/kg | 0.0000464 % | ✓ | |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 20 mg/kg | 1.462 | 24.377 mg/kg | 0.00244 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 33 mg/kg | 3.929 | 108.126 mg/kg | 0.0108 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 43 mg/kg | 1.56 | 55.933 mg/kg | 0.00359 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 8.8 mg/kg | 5.358 | 39.322 mg/kg | 0.00393 % | ✓ | |
| 13 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 14 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 24 mg/kg | 1.785 | 35.729 mg/kg | 0.00357 % | ✓ | |

| # | | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 140 | mg/kg | 2.774 | 323.882 | mg/kg | 0.0324 % | ✓ | |
| 16 | | TPH (C6 to C40) petroleum group | | | TPH | | 41 | mg/kg | | 34.191 | mg/kg | 0.00342 % | ✓ | |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | TPH_CONFIRM | | ☑ | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 19 | | benzene | 601-020-00-8 | 200-753-7 | 71-43-2 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 20 | | toluene | 601-021-00-3 | 203-625-9 | 108-88-3 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 21 | | ethylbenzene | 601-023-00-4 | 202-849-4 | 100-41-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 22 | | xylene | 601-022-00-9 | 215-535-7 | 1330-20-7 | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| 23 | | pH | | | PH | | 7.3 | pH | | 7.3 | pH | 7.3 pH | | |
| 24 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 25 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 26 | | acenaphthene | | 201-469-6 | 83-32-9 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 27 | | fluorene | | 201-695-5 | 86-73-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 28 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.08 | mg/kg | | 0.0667 | mg/kg | 0.00000667 % | ✓ | |
| 29 | | anthracene | | 204-371-1 | 120-12-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 30 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.29 | mg/kg | | 0.242 | mg/kg | 0.0000242 % | ✓ | |
| 31 | | pyrene | | 204-927-3 | 129-00-0 | | 0.29 | mg/kg | | 0.242 | mg/kg | 0.0000242 % | ✓ | |
| 32 | | benzo[a]anthracene | 601-033-00-9 | 200-280-6 | 56-55-3 | | 0.19 | mg/kg | | 0.158 | mg/kg | 0.0000158 % | ✓ | |
| 33 | | chrysene | 601-048-00-0 | 205-923-4 | 218-01-9 | | 0.2 | mg/kg | | 0.167 | mg/kg | 0.0000167 % | ✓ | |
| 34 | | benzo[b]fluoranthene | 601-034-00-4 | 205-911-9 | 205-99-2 | | 0.35 | mg/kg | | 0.292 | mg/kg | 0.0000292 % | ✓ | |
| 35 | | benzo[k]fluoranthene | 601-036-00-5 | 205-916-6 | 207-08-9 | | 0.11 | mg/kg | | 0.0917 | mg/kg | 0.00000917 % | ✓ | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | 601-032-00-3 | 200-028-5 | 50-32-8 | | 0.23 | mg/kg | | 0.192 | mg/kg | 0.0000192 % | ✓ | |
| 37 | | indeno[123-cd]pyrene | | 205-893-2 | 193-39-5 | | 0.14 | mg/kg | | 0.117 | mg/kg | 0.0000117 % | ✓ | |
| 38 | | dibenz[a,h]anthracene | 601-041-00-2 | 200-181-8 | 53-70-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 39 | | benzo[ghi]perylene | | 205-883-8 | 191-24-2 | | 0.17 | mg/kg | | 0.142 | mg/kg | 0.0000142 % | ✓ | |
| | | | | | | | | | | | Total: | 6.364 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%) because: no liquid phase: results too low to be flammable

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00342%)

## Classification of sample: X8--05102026-0.10

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X8--05102026-0.10**
Moisture content:
**13%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | No | | | | | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 14 mg/kg | 1.895 | 23.075 mg/kg | 0.00231 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.69 mg/kg | 8.868 | 5.323 mg/kg | 0.000532 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 1.1 mg/kg | 5.719 | 5.473 mg/kg | 0.000547 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 20 mg/kg | 1.462 | 25.431 mg/kg | 0.00254 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 11 mg/kg | 3.929 | 37.601 mg/kg | 0.00376 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 20 mg/kg | 1.56 | 27.141 mg/kg | 0.00174 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 8.2 mg/kg | 5.358 | 38.226 mg/kg | 0.00382 % | ✓ | |
| 13 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 14 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 31 mg/kg | 1.785 | 48.146 mg/kg | 0.00481 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | zinc { zinc chromate } | | | | 39 | mg/kg | 2.774 | 94.127 | mg/kg | 0.00941 % | ✓ | |
| | | 024-007-00-3 | 236-878-9 | 13530-65-9 | | | | | | | | | |
| 16 | | TPH (C6 to C40) petroleum group | | | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| | | | | TPH | | | | | | | | | |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | | ☑ | | | | | | | |
| | | | | TPH_CONFIRM | | | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 19 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 20 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 21 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 22 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 23 | | pH | | | | 7.1 | pH | | 7.1 | pH | 7.1 pH | | |
| | | | | PH | | | | | | | | | |
| 24 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 25 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 26 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 27 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 28 | | phenanthrene | | | | 0.1 | mg/kg | | 0.087 | mg/kg | 0.0000087 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 29 | | anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 30 | | fluoranthene | | | | 0.11 | mg/kg | | 0.0957 | mg/kg | 0.00000957 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 31 | | pyrene | | | | 0.12 | mg/kg | | 0.104 | mg/kg | 0.0000104 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 32 | | benzo[a]anthracene | | | | 0.08 | mg/kg | | 0.0696 | mg/kg | 0.00000696 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 33 | | chrysene | | | | 0.08 | mg/kg | | 0.0696 | mg/kg | 0.00000696 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 34 | | benzo[b]fluoranthene | | | | 0.11 | mg/kg | | 0.0957 | mg/kg | 0.00000957 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 35 | | benzo[k]fluoranthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.09 | mg/kg | | 0.0783 | mg/kg | 0.00000783 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 37 | | indeno[123-cd]pyrene | | | | 0.05 | mg/kg | | 0.0435 | mg/kg | 0.00000435 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 38 | | dibenz[a,h]anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 39 | | benzo[ghi]perylene | | | | 0.07 | mg/kg | | 0.0609 | mg/kg | 0.00000609 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0296 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Appendix A: Classifier defined and non GB MCL determinands

**Mass of stone > 10 mm (case 4)** (CAS Number: REM_MAT_AD_10MM_-957699780)

Description/Comments:
Data source: Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.

HWOL applies this mass correction before applying the moisture correction.
Data source date: 25 Sep 2026
Hazard Statements: None.

**asbestos fibres detected (Yes/No)** (CAS Number: ACM_FIBRES)

Description/Comments: not classified, information only
Data source: N/A
Data source date: 15 Jan 2020
Hazard Statements: None.

**chromium(III) oxide** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from ECHACHEM; REACH submission: Not classified;
Sigma Aldrich SDS v6.7 dated 25/12/2025: Not classified
Data source: https://chem.echa.europa.eu/100.013.783/overview
https://www.sigmaaldrich.com/GB/en/sds/sigald/393703
Data source date: 12 May 2026
Hazard Statements: None.

**TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Unknown Oil
Hazard statements taken from WM3 version 1.1.NI and 1.2.GB 2021
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

**confirm TPH has NOT arisen from diesel or petrol** (CAS Number: TPH_CONFIRM)

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: None.

**ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4
Description/Comments: IARC considers ethylbenzene Group 2B; Possibly carcinogenic to humans;
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
03 Jun 2026 - Carc. 2; H351 hazard statement sourced from:: IARC Group 2B (77) 2000

**pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: None.

**acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.7 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.380/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/416703
Data source date: 02 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 1; H330 , STOT SE 3; H335

**acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.8 dated 12/12/2025
Data source: https://chem.echa.europa.eu/100.001.336/industry/113817?searchText=83-32-9
https://www.sigmaaldrich.com/GB/en/sds/aldrich/215376
Data source date: 02 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.6 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.001.541/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/128333
Data source date: 02 Mar 2026
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.001.437/overview
https://www.sigmaaldrich.com/GB/en/sds/supelco/48569
Data source date: 02 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , EUH441

**anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v9.3 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.003.974/overview
https://www.sigmaaldrich.com/GB/en/sds/supelco/48567
Data source date: 03 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440

**fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.376/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/f807
Data source date: 03 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440 , EUH441

**pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.004.481/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/185515
Data source date: 03 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440 , EUH441

**indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from ECHACHEM database; CLP submissions
SDS Sigma Aldrich v6.8 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.359/overview
https://www.sigmaaldrich.com/GB/en/sds/supelco/48499
Data source date: 03 Mar 2026
Hazard Statements: Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from ECHACHEM; CLP submissions; Sigma Aldrich SDS v7.1 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.350/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/b9009
Data source date: 18 May 2026
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , vPvB; EUH441 , PBT; EUH440

## Appendix B: Rationale for selection of metal species

**arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}**

Worst case CLP species based on hazard statements/molecular weight and conversion factor for arsenic acid H3AsO4. (edit as required)

**beryllium {beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex}**

Worst case CLP species based on hazard statements/molecular weight and conversion factor for beryllium chloride. (edit as required)

**boron {boric acid; [1] boric acid; [2]}**

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming water is or has been present. (edit as required)

**cadmium {cadmium sulfate}**

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

**chromium in Cr(III) compounds {chromium(III) oxide}**

No historic works or proccesses

**chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}**

Worst case species based on hazard statements/molecular weight (edit as required)

**copper {copper sulphate pentahydrate}**

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

**lead {lead chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**mercury {mercury dichloride}**

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming no evidence for the use of explosives. (edit as required)

**nickel {nickel dibromate}**

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

**selenium {nickel selenate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**vanadium {divanadium pentaoxide; vanadium pentoxide}**

worst case

**zinc {zinc chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

## Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2026.289.7480.5453f58 (16 Oct 2026)
HazWasteOnline Database: 2026.289.7480.5453f58 (16 Oct 2026)

This classification utilises the following guidance and legislation:
**WM3 v1.2.GB - Waste Classification** - 1st Edition v1.2.GB - Oct 2021
**CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008
**1st ATP** - Regulation 790/2009/EC of 10 August 2009
**2nd ATP** - Regulation 286/2011/EC of 10 March 2011
**3rd ATP** - Regulation 618/2012/EU of 10 July 2012
**4th ATP** - Regulation 487/2013/EU of 8 May 2013
**Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013
**5th ATP** - Regulation 944/2013/EU of 2 October 2013
**6th ATP** - Regulation 605/2014/EU of 5 June 2014
**WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014
**Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014
**7th ATP** - Regulation 2015/1221/EU of 24 July 2015
**8th ATP** - Regulation (EU) 2016/918 of 19 May 2016
**9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016
**10th ATP** - Regulation (EU) 2017/776 of 4 May 2017
**HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017
**13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018
**14th ATP** - Regulation (EU) 2020/217 of 4 October 2019
**15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020
**The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020
**The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020
**GB MCL List** - version 1.1 of 09 June 2021
**GB MCL List v2.0** - version 2.0 of 20th October 2023
**GB MCL List v3.0** - version 3.0 of 11th January 2024
**GB MCL List v4.0** - version 4.0 of 2nd March 2024
**GB MCL List v5.0** - version 5.0 of 26th June 2024
**GB MCL List v6.0** - version 6.0 of 15th February 2025
**GB MCL List v7.0** - version 7.0 of 23rd September 2025

# Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

MB8BF-GW3EP-CYBE9

This Waste Classification Report contains user defined substances. See Appendix A for details.

Report is invalid if pages are removed.

## Job name

26-055663_HWOL

## Description/Comments

Mound/Bund

## Project

26/13296/B/GO

## Site

High Bar Lane, Thakeham - Mound

## Classified by

Name:
**George Owens**
Date:
**23 Oct 2026 10:17 GMT**
Telephone:
**01428 684 836**

Company:
**Albury SI Ltd**
**Miltons Yard, Petworth Rd, Witley**
**Godalming**
**GU8 5LH**

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

**HazWasteOnline™ Certification:** -

| Course | Date |
|---|---|
| Hazardous Waste Classification | - |

## Purpose of classification

2 - Material Characterisation

## Address of the waste

High Bar Lane, Thakeham **Post Code** RH20 3EH

## SIC for the process giving rise to the waste

41202 Construction of domestic buildings

## Description of industry/producer giving rise to the waste

Construction of residential dwellings

## Description of the specific process, sub-process and/or activity that created the waste

Waste soils from mound/bund

## Description of the waste

made ground, sandy clay

## Waste Location




## Job summary

| # | Sample name | Depth [m] | Classification Result | Hazard properties | Page |
|---|---|---|---|---|---|
| 1 | X9--06102026-0.75 | | Non Hazardous | | 3 |
| 2 | X9--06102026-1.50 | | Non Hazardous | | 6 |
| 3 | X9--06102026-2.00 | | Non Hazardous | | 9 |
| 4 | X10--06102026-0.50 | | Non Hazardous | | 12 |
| 5 | X10--06102026-1.00 | | Non Hazardous | | 15 |
| 6 | X11--06102026-0.50 | | Non Hazardous | | 18 |
| 7 | X12--06102026-0.50 | | Non Hazardous | | 21 |
| 8 | X12--06102026-1.00 | | Non Hazardous | | 24 |

## Related documents

| # | Name | Description |
|---|---|---|
| 1 | 26-055663_HWOL.hwol | i2 Analytical .hwol file used to populate the Job |
| 2 | Example worst case waste stream template: 17 05 04 or 17 05 03 * with 1 extra determinand | waste stream template used to create this Job |

## Report

Created by: George Owens

Created date: 23 Oct 2026 10:17 GMT


| Appendices | Page |
|---|---|
| Appendix A: Classifier defined and non GB MCL determinands | 27 |
| Appendix B: Rationale for selection of metal species | 28 |
| Appendix C: Version | 29 |

## Classification of sample: X9--06102026-0.75

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X9--06102026-0.75**
Moisture content:
**10%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 13 mg/kg | 1.895 | 22.166 mg/kg | 0.00222 % | ✓ | |
| 3 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.86 mg/kg | 8.868 | 6.864 mg/kg | 0.000686 % | ✓ | |
| 4 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 0.6 mg/kg | 5.719 | 3.088 mg/kg | 0.000309 % | ✓ | |
| 5 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | 0.2 mg/kg | 1.855 | 0.334 mg/kg | 0.0000334 % | ✓ | |
| 6 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 13 mg/kg | 1.462 | 17.1 mg/kg | 0.00171 % | ✓ | |
| 7 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 8 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 25 mg/kg | 3.929 | 88.404 mg/kg | 0.00884 % | ✓ | |
| 9 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 87 mg/kg | 1.56 | 122.134 mg/kg | 0.00783 % | ✓ | |
| 10 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 11 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 10 mg/kg | 5.358 | 48.225 mg/kg | 0.00482 % | ✓ | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 13 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 24 mg/kg | 1.785 | 38.56 mg/kg | 0.00386 % | ✓ | |
| 14 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 95 mg/kg | 2.774 | 237.19 mg/kg | 0.0237 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | TPH (C6 to C40) petroleum group | | TPH | | 11 | mg/kg | | 9.9 | mg/kg | 0.00099 % | ✓ | |
| 16 | | confirm TPH has NOT arisen from diesel or petrol | | TPH_CONFIRM | | ☑ | | | | | | | |
| 17 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 18 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 19 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 20 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 21 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 22 | | pH | | PH | | 7.9 | pH | | 7.9 | pH | 7.9 pH | | |
| 23 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 24 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 25 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 26 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 27 | | phenanthrene | | | | 0.26 | mg/kg | | 0.234 | mg/kg | 0.0000234 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 28 | | anthracene | | | | 0.07 | mg/kg | | 0.063 | mg/kg | 0.0000063 % | ✓ | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 29 | | fluoranthene | | | | 0.78 | mg/kg | | 0.702 | mg/kg | 0.0000702 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 30 | | pyrene | | | | 0.91 | mg/kg | | 0.819 | mg/kg | 0.0000819 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 31 | | benzo[a]anthracene | | | | 0.53 | mg/kg | | 0.477 | mg/kg | 0.0000477 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 32 | | chrysene | | | | 0.63 | mg/kg | | 0.567 | mg/kg | 0.0000567 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 33 | | benzo[b]fluoranthene | | | | 0.81 | mg/kg | | 0.729 | mg/kg | 0.0000729 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 34 | | benzo[k]fluoranthene | | | | 0.38 | mg/kg | | 0.342 | mg/kg | 0.0000342 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 35 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.74 | mg/kg | | 0.666 | mg/kg | 0.0000666 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 36 | | indeno[123-cd]pyrene | | | | 0.46 | mg/kg | | 0.414 | mg/kg | 0.0000414 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 37 | | dibenz[a,h]anthracene | | | | 0.13 | mg/kg | | 0.117 | mg/kg | 0.0000117 % | ✓ | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 38 | | benzo[ghi]perylene | | | | 0.57 | mg/kg | | 0.513 | mg/kg | 0.0000513 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0556 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%) because: no liquid phase: results too low to be flammable

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00099%)

## Classification of sample: X9--06102026-1.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X9--06102026-1.50**
Moisture content:
**12%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 9.3 mg/kg | 1.895 | 15.505 mg/kg | 0.00155 % | ✓ | |
| 3 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.57 mg/kg | 8.868 | 4.448 mg/kg | 0.000445 % | ✓ | |
| 4 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1]<br>234-343-4 [2] | 10043-35-3 [1]<br>11113-50-1 [2] | | 2.9 mg/kg | 5.719 | 14.595 mg/kg | 0.00146 % | ✓ | |
| 5 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 6 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 18 mg/kg | 1.462 | 23.151 mg/kg | 0.00232 % | ✓ | |
| 7 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 8 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 45 mg/kg | 3.929 | 155.59 mg/kg | 0.0156 % | ✓ | |
| 9 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 83 mg/kg | 1.56 | 113.929 mg/kg | 0.0073 % | ✓ | |
| 10 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 11 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 9.8 mg/kg | 5.358 | 46.21 mg/kg | 0.00462 % | ✓ | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 13 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 25 mg/kg | 1.785 | 39.274 mg/kg | 0.00393 % | ✓ | |
| 14 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 130 mg/kg | 2.774 | 317.362 mg/kg | 0.0317 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | TPH (C6 to C40) petroleum group | | TPH | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| 16 | | confirm TPH has NOT arisen from diesel or petrol | | TPH_CONFIRM | | ☑ | | | | | | | |
| 17 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 18 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 19 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 20 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 21 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 22 | | pH | | PH | | 7.7 | pH | | 7.7 | pH | 7.7 pH | | |
| 23 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 24 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 25 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 26 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 27 | | phenanthrene | | | | 0.29 | mg/kg | | 0.255 | mg/kg | 0.0000255 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 28 | | anthracene | | | | 0.07 | mg/kg | | 0.0616 | mg/kg | 0.00000616 % | ✓ | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 29 | | fluoranthene | | | | 0.77 | mg/kg | | 0.678 | mg/kg | 0.0000678 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 30 | | pyrene | | | | 0.69 | mg/kg | | 0.607 | mg/kg | 0.0000607 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 31 | | benzo[a]anthracene | | | | 0.58 | mg/kg | | 0.51 | mg/kg | 0.000051 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 32 | | chrysene | | | | 0.59 | mg/kg | | 0.519 | mg/kg | 0.0000519 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 33 | | benzo[b]fluoranthene | | | | 0.9 | mg/kg | | 0.792 | mg/kg | 0.0000792 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 34 | | benzo[k]fluoranthene | | | | 0.29 | mg/kg | | 0.255 | mg/kg | 0.0000255 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 35 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.61 | mg/kg | | 0.537 | mg/kg | 0.0000537 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 36 | | indeno[123-cd]pyrene | | | | 0.4 | mg/kg | | 0.352 | mg/kg | 0.0000352 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 37 | | dibenz[a,h]anthracene | | | | 0.11 | mg/kg | | 0.0968 | mg/kg | 0.00000968 % | ✓ | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 38 | | benzo[ghi]perylene | | | | 0.48 | mg/kg | | 0.422 | mg/kg | 0.0000422 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0694 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X9--06102026-2.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X9--06102026-2.00**
Moisture content:
**17%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 7.6 mg/kg | 1.895 | 11.951 mg/kg | 0.0012 % | ✓ | |
| 3 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.5 mg/kg | 8.868 | 3.68 mg/kg | 0.000368 % | ✓ | |
| 4 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 1.5 mg/kg | 5.719 | 7.12 mg/kg | 0.000712 % | ✓ | |
| 5 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 6 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 14 mg/kg | 1.462 | 16.983 mg/kg | 0.0017 % | ✓ | |
| 7 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 8 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 13 mg/kg | 3.929 | 42.394 mg/kg | 0.00424 % | ✓ | |
| 9 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 29 mg/kg | 1.56 | 37.545 mg/kg | 0.00241 % | ✓ | |
| 10 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 11 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 6.3 mg/kg | 5.358 | 28.019 mg/kg | 0.0028 % | ✓ | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 13 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 23 mg/kg | 1.785 | 34.079 mg/kg | 0.00341 % | ✓ | |
| 14 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 53 mg/kg | 2.774 | 122.035 mg/kg | 0.0122 % | ✓ | |

| # | | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | ● | TPH (C6 to C40) petroleum group | | | TPH | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| 16 | ● | confirm TPH has NOT arisen from diesel or petrol | | | TPH_CONFIRM | | ☑ | | | | | | | |
| 17 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | 603-181-00-X | 216-653-1 | 1634-04-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 18 | | benzene | 601-020-00-8 | 200-753-7 | 71-43-2 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 19 | | toluene | 601-021-00-3 | 203-625-9 | 108-88-3 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 20 | ● | ethylbenzene | 601-023-00-4 | 202-849-4 | 100-41-4 | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| 21 | | xylene | 601-022-00-9 | 215-535-7 | 1330-20-7 | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| 22 | ● | pH | | | PH | | 7.7 | pH | | 7.7 | pH | 7.7 pH | | |
| 23 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 24 | ● | acenaphthylene | | 205-917-1 | 208-96-8 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 25 | ● | acenaphthene | | 201-469-6 | 83-32-9 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 26 | ● | fluorene | | 201-695-5 | 86-73-7 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 27 | ● | phenanthrene | | 201-581-5 | 85-01-8 | | 0.3 | mg/kg | | 0.249 | mg/kg | 0.0000249 % | ✓ | |
| 28 | ● | anthracene | | 204-371-1 | 120-12-7 | | 0.09 | mg/kg | | 0.0747 | mg/kg | 0.00000747 % | ✓ | |
| 29 | ● | fluoranthene | | 205-912-4 | 206-44-0 | | 0.42 | mg/kg | | 0.349 | mg/kg | 0.0000349 % | ✓ | |
| 30 | ● | pyrene | | 204-927-3 | 129-00-0 | | 0.38 | mg/kg | | 0.315 | mg/kg | 0.0000315 % | ✓ | |
| 31 | | benzo[a]anthracene | 601-033-00-9 | 200-280-6 | 56-55-3 | | 0.22 | mg/kg | | 0.183 | mg/kg | 0.0000183 % | ✓ | |
| 32 | | chrysene | 601-048-00-0 | 205-923-4 | 218-01-9 | | 0.21 | mg/kg | | 0.174 | mg/kg | 0.0000174 % | ✓ | |
| 33 | | benzo[b]fluoranthene | 601-034-00-4 | 205-911-9 | 205-99-2 | | 0.23 | mg/kg | | 0.191 | mg/kg | 0.0000191 % | ✓ | |
| 34 | | benzo[k]fluoranthene | 601-036-00-5 | 205-916-6 | 207-08-9 | | 0.13 | mg/kg | | 0.108 | mg/kg | 0.0000108 % | ✓ | |
| 35 | | benzo[a]pyrene; benzo[def]chrysene | 601-032-00-3 | 200-028-5 | 50-32-8 | | 0.22 | mg/kg | | 0.183 | mg/kg | 0.0000183 % | ✓ | |
| 36 | ● | indeno[123-cd]pyrene | | 205-893-2 | 193-39-5 | | 0.11 | mg/kg | | 0.0913 | mg/kg | 0.00000913 % | ✓ | |
| 37 | | dibenz[a,h]anthracene | 601-041-00-2 | 200-181-8 | 53-70-3 | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| 38 | ● | benzo[ghi]perylene | | 205-883-8 | 191-24-2 | | 0.14 | mg/kg | | 0.116 | mg/kg | 0.0000116 % | ✓ | |
| | | | | | | | | | | | Total: | 0.0292 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X10--06102026-0.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X10--06102026-0.50**
Moisture content:
**8.9%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 8.9% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 7.9 mg/kg | 1.895 | 13.635 mg/kg | 0.00136 % | ✓ | |
| 3 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.42 mg/kg | 8.868 | 3.393 mg/kg | 0.000339 % | ✓ | |
| 4 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 2.1 mg/kg | 5.719 | 10.941 mg/kg | 0.00109 % | ✓ | |
| 5 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 6 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 10 mg/kg | 1.462 | 13.315 mg/kg | 0.00133 % | ✓ | |
| 7 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 8 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 27 mg/kg | 3.929 | 96.643 mg/kg | 0.00966 % | ✓ | |
| 9 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 59 mg/kg | 1.56 | 83.839 mg/kg | 0.00537 % | ✓ | |
| 10 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 11 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 6.7 mg/kg | 5.358 | 32.706 mg/kg | 0.00327 % | ✓ | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 13 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 14 mg/kg | 1.785 | 22.768 mg/kg | 0.00228 % | ✓ | |
| 14 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 98 mg/kg | 2.774 | 247.67 mg/kg | 0.0248 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | TPH (C6 to C40) petroleum group | | TPH | | 18 | mg/kg | | 16.398 | mg/kg | 0.00164 % | ✓ | |
| 16 | | confirm TPH has NOT arisen from diesel or petrol | | TPH_CONFIRM | | ☑ | | | | | | | |
| 17 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 18 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 19 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 20 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 21 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 22 | | pH | | PH | | 7.6 | pH | | 7.6 | pH | 7.6 pH | | |
| 23 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 24 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 25 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 26 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 27 | | phenanthrene | | | | 0.12 | mg/kg | | 0.109 | mg/kg | 0.0000109 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 28 | | anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 29 | | fluoranthene | | | | 0.6 | mg/kg | | 0.547 | mg/kg | 0.0000547 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 30 | | pyrene | | | | 0.58 | mg/kg | | 0.528 | mg/kg | 0.0000528 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 31 | | benzo[a]anthracene | | | | 0.36 | mg/kg | | 0.328 | mg/kg | 0.0000328 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 32 | | chrysene | | | | 0.43 | mg/kg | | 0.392 | mg/kg | 0.0000392 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 33 | | benzo[b]fluoranthene | | | | 0.49 | mg/kg | | 0.446 | mg/kg | 0.0000446 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 34 | | benzo[k]fluoranthene | | | | 0.22 | mg/kg | | 0.2 | mg/kg | 0.00002 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 35 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.42 | mg/kg | | 0.383 | mg/kg | 0.0000383 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 36 | | indeno[123-cd]pyrene | | | | 0.27 | mg/kg | | 0.246 | mg/kg | 0.0000246 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 37 | | dibenz[a,h]anthracene | | | | 0.07 | mg/kg | | 0.0638 | mg/kg | 0.00000638 % | ✓ | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 38 | | benzo[ghi]perylene | | | | 0.34 | mg/kg | | 0.31 | mg/kg | 0.000031 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0515 % | | |

| Key | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%) because: no liquid phase: results too low to be flammable

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00164%)

## Classification of sample: X10--06102026-1.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X10--06102026-1.00**
Moisture content:
**8.1%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 8.1% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | 3 | % | | 3 | % | 3% | | |
| 2 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 9.6 | mg/kg | 1.895 | 16.213 | mg/kg | 0.00162 % | ✓ | |
| 3 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.64 | mg/kg | 8.868 | 5.059 | mg/kg | 0.000506 % | ✓ | |
| 4 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1]<br>234-343-4 [2] | 10043-35-3 [1]<br>11113-50-1 [2] | | 1.2 | mg/kg | 5.719 | 6.118 | mg/kg | 0.000612 % | ✓ | |
| 5 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 | mg/kg | 1.855 | <0.371 | mg/kg | <0.0000371 % | | <**LOD** |
| 6 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 12 | mg/kg | 1.462 | 15.634 | mg/kg | 0.00156 % | ✓ | |
| 7 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 | mg/kg | 2.27 | <2.724 | mg/kg | <0.000272 % | | <**LOD** |
| 8 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 16 | mg/kg | 3.929 | 56.04 | mg/kg | 0.0056 % | ✓ | |
| 9 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 52 | mg/kg | 1.56 | 72.304 | mg/kg | 0.00464 % | ✓ | |
| 10 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 | mg/kg | 1.353 | <0.406 | mg/kg | <0.0000406 % | | <**LOD** |
| 11 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 9.2 | mg/kg | 5.358 | 43.944 | mg/kg | 0.00439 % | ✓ | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 | mg/kg | 2.554 | <2.554 | mg/kg | <0.000255 % | | <**LOD** |
| 13 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 20 | mg/kg | 1.785 | 31.827 | mg/kg | 0.00318 % | ✓ | |
| 14 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 61 | mg/kg | 2.774 | 150.85 | mg/kg | 0.0151 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | TPH (C6 to C40) petroleum group | | TPH | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| 16 | | confirm TPH has NOT arisen from diesel or petrol | | TPH_CONFIRM | | ☑ | | | | | | | |
| 17 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 18 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 19 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 20 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 21 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 22 | | pH | | PH | | 7.8 | pH | | 7.8 | pH | 7.8 pH | | |
| 23 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 24 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 25 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 26 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 27 | | phenanthrene | | | | 0.18 | mg/kg | | 0.16 | mg/kg | 0.000016 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 28 | | anthracene | | | | 0.06 | mg/kg | | 0.0535 | mg/kg | 0.00000535 % | ✓ | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 29 | | fluoranthene | | | | 0.74 | mg/kg | | 0.66 | mg/kg | 0.000066 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 30 | | pyrene | | | | 0.78 | mg/kg | | 0.695 | mg/kg | 0.0000695 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 31 | | benzo[a]anthracene | | | | 0.42 | mg/kg | | 0.374 | mg/kg | 0.0000374 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 32 | | chrysene | | | | 0.46 | mg/kg | | 0.41 | mg/kg | 0.000041 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 33 | | benzo[b]fluoranthene | | | | 0.52 | mg/kg | | 0.464 | mg/kg | 0.0000464 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 34 | | benzo[k]fluoranthene | | | | 0.26 | mg/kg | | 0.232 | mg/kg | 0.0000232 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 35 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.51 | mg/kg | | 0.455 | mg/kg | 0.0000455 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 36 | | indeno[123-cd]pyrene | | | | 0.31 | mg/kg | | 0.276 | mg/kg | 0.0000276 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 37 | | dibenz[a,h]anthracene | | | | 0.08 | mg/kg | | 0.0713 | mg/kg | 0.00000713 % | ✓ | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 38 | | benzo[ghi]perylene | | | | 0.35 | mg/kg | | 0.312 | mg/kg | 0.0000312 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 3.038 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
|  | Determinand defined by classifier (see Appendix A) |
|  | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X11--06102026-0.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X11--06102026-0.50**
Moisture content:
**8.5%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 8.5% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 9 mg/kg | 1.895 | 15.601 mg/kg | 0.00156 % | ✓ | |
| 3 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.42 mg/kg | 8.868 | 3.408 mg/kg | 0.000341 % | ✓ | |
| 4 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1] 234-343-4 [2] | 10043-35-3 [1] 11113-50-1 [2] | | 0.6 mg/kg | 5.719 | 3.14 mg/kg | 0.000314 % | ✓ | |
| 5 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 6 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 11 mg/kg | 1.462 | 14.711 mg/kg | 0.00147 % | ✓ | |
| 7 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 8 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 9.4 mg/kg | 3.929 | 33.794 mg/kg | 0.00338 % | ✓ | |
| 9 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 20 mg/kg | 1.56 | 28.545 mg/kg | 0.00183 % | ✓ | |
| 10 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 11 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 5.1 mg/kg | 5.358 | 25.005 mg/kg | 0.0025 % | ✓ | |
| 12 | selenium { nickel selenate } | 028-031-00-5 | 239-125-2 | 15060-62-5 | | <1 mg/kg | 2.554 | <2.554 mg/kg | <0.000255 % | | <LOD |
| 13 | vanadium { divanadium pentaoxide; vanadium pentoxide } | 023-001-00-8 | 215-239-8 | 1314-62-1 | | 18 mg/kg | 1.785 | 29.402 mg/kg | 0.00294 % | ✓ | |
| 14 | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 41 mg/kg | 2.774 | 104.072 mg/kg | 0.0104 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 15 | | TPH (C6 to C40) petroleum group | | TPH | | <10 | mg/kg | | <10 | mg/kg | <0.001 % | | <LOD |
| 16 | | confirm TPH has NOT arisen from diesel or petrol | | TPH_CONFIRM | | ☑ | | | | | | | |
| 17 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 18 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 19 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 20 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 21 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 22 | | pH | | PH | | 7.7 | pH | | 7.7 | pH | 7.7 pH | | |
| 23 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 24 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 25 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 26 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 27 | | phenanthrene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 28 | | anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 29 | | fluoranthene | | | | 0.19 | mg/kg | | 0.174 | mg/kg | 0.0000174 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 30 | | pyrene | | | | 0.18 | mg/kg | | 0.165 | mg/kg | 0.0000165 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 31 | | benzo[a]anthracene | | | | 0.11 | mg/kg | | 0.101 | mg/kg | 0.0000101 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 32 | | chrysene | | | | 0.12 | mg/kg | | 0.11 | mg/kg | 0.000011 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 33 | | benzo[b]fluoranthene | | | | 0.19 | mg/kg | | 0.174 | mg/kg | 0.0000174 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 34 | | benzo[k]fluoranthene | | | | 0.06 | mg/kg | | 0.0549 | mg/kg | 0.00000549 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 35 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.11 | mg/kg | | 0.101 | mg/kg | 0.0000101 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 36 | | indeno[123-cd]pyrene | | | | 0.08 | mg/kg | | 0.0732 | mg/kg | 0.00000732 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 37 | | dibenz[a,h]anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 38 | | benzo[ghi]perylene | | | | 0.09 | mg/kg | | 0.0823 | mg/kg | 0.00000823 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0248 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Classification of sample: X12--06102026-0.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X12--06102026-0.50**

Moisture content:
**8.4%**
(wet weight correction)

LoW Code:

Chapter:
17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

Entry:
17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 8.4% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | asbestos | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | 0.011 % | | 0.0101 % | 0.0101 % | ✓ | |
| 3 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 15 mg/kg | 1.895 | 26.031 mg/kg | 0.0026 % | ✓ | |
| 4 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.94 mg/kg | 8.868 | 7.636 mg/kg | 0.000764 % | ✓ | |
| 5 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1]<br>234-343-4 [2] | 10043-35-3 [1]<br>11113-50-1 [2] | | 1.3 mg/kg | 5.719 | 6.81 mg/kg | 0.000681 % | ✓ | |
| 6 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 7 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 24 mg/kg | 1.462 | 32.131 mg/kg | 0.00321 % | ✓ | |
| 8 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 9 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 20 mg/kg | 3.929 | 71.98 mg/kg | 0.0072 % | ✓ | |
| 10 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 42 mg/kg | 1.56 | 60.009 mg/kg | 0.00385 % | ✓ | |
| 11 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |
| 12 | nickel { nickel dibromate } | 028-053-00-5 | 238-596-1 | 14550-87-9 | | 12 mg/kg | 5.358 | 58.899 mg/kg | 0.00589 % | ✓ | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 13 | | selenium { nickel selenate } | | | | <1 | mg/kg | 2.554 | <2.554 | mg/kg | <0.000255 % | | <LOD |
| | | 028-031-00-5 | 239-125-2 | 15060-62-5 | | | | | | | | | |
| 14 | | vanadium { divanadium pentaoxide; vanadium pentoxide } | | | | 35 | mg/kg | 1.785 | 57.233 | mg/kg | 0.00572 % | ✓ | |
| | | 023-001-00-8 | 215-239-8 | 1314-62-1 | | | | | | | | | |
| 15 | | zinc { zinc chromate } | | | | 110 | mg/kg | 2.774 | 279.523 | mg/kg | 0.028 % | ✓ | |
| | | 024-007-00-3 | 236-878-9 | 13530-65-9 | | | | | | | | | |
| 16 | | TPH (C6 to C40) petroleum group | | | | 11 | mg/kg | | 10.076 | mg/kg | 0.00101 % | ✓ | |
| | | | | TPH | | | | | | | | | |
| 17 | | confirm TPH has NOT arisen from diesel or petrol | | | | ☑ | | | | | | | |
| | | | | TPH_CONFIRM | | | | | | | | | |
| 18 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 19 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 20 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 21 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 22 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 23 | | pH | | | | 7.5 | pH | | 7.5 | pH | 7.5 pH | | |
| | | | | PH | | | | | | | | | |
| 24 | | naphthalene | | | | 0.05 | mg/kg | | 0.0458 | mg/kg | 0.00000458 % | ✓ | |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 25 | | acenaphthylene | | | | 0.06 | mg/kg | | 0.055 | mg/kg | 0.0000055 % | ✓ | |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 26 | | acenaphthene | | | | 0.17 | mg/kg | | 0.156 | mg/kg | 0.0000156 % | ✓ | |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 27 | | fluorene | | | | 0.14 | mg/kg | | 0.128 | mg/kg | 0.0000128 % | ✓ | |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 28 | | phenanthrene | | | | 0.83 | mg/kg | | 0.76 | mg/kg | 0.000076 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 29 | | anthracene | | | | 0.25 | mg/kg | | 0.229 | mg/kg | 0.0000229 % | ✓ | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 30 | | fluoranthene | | | | 1.7 | mg/kg | | 1.557 | mg/kg | 0.000156 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 31 | | pyrene | | | | 1.5 | mg/kg | | 1.374 | mg/kg | 0.000137 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 32 | | benzo[a]anthracene | | | | 0.76 | mg/kg | | 0.696 | mg/kg | 0.0000696 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 33 | | chrysene | | | | 0.74 | mg/kg | | 0.678 | mg/kg | 0.0000678 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 34 | | benzo[b]fluoranthene | | | | 1 | mg/kg | | 0.916 | mg/kg | 0.0000916 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 35 | | benzo[k]fluoranthene | | | | 0.53 | mg/kg | | 0.485 | mg/kg | 0.0000485 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 36 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.97 | mg/kg | | 0.889 | mg/kg | 0.0000889 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 37 | | indeno[123-cd]pyrene | | | | 0.51 | mg/kg | | 0.467 | mg/kg | 0.0000467 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 38 | | dibenz[a,h]anthracene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 39 | | benzo[ghi]perylene | | | | 0.63 | mg/kg | | 0.577 | mg/kg | 0.0000577 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0699 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%) because: no liquid phase: results too low to be flammable

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00101%)

## Classification of sample: X12--06102026-1.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample name:
**X12--06102026-1.00**
Moisture content:
**9.1%**
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 9.1% Wet Weight Moisture Correction applied (MC)

| # | Determinand | EU CLP index number | EC Number | CAS Number | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mass of stone > 10 mm (case 4) | | | REM_MAT_AD_10MM_-957699780 | | <0.1 % | | <0.1 % | <0.1 % | | <LOD |
| 2 | asbestos | 650-013-00-6 | - - - - - - - | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 | | <0.001 % | | <0.001 % | <0.001 % | | <LOD |
| 3 | asbestos fibres detected (Yes/No) | | | ACM_FIBRES | | Yes | | | | | |
| 4 | arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex } | 033-005-00-1 | | | | 12 mg/kg | 1.895 | 20.665 mg/kg | 0.00207 % | ✓ | |
| 5 | beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex } | 004-002-00-2 | | | | 0.73 mg/kg | 8.868 | 5.885 mg/kg | 0.000588 % | ✓ | |
| 6 | boron { boric acid; [1] boric acid; [2] } | 005-007-00-2 | 233-139-2 [1]<br>234-343-4 [2] | 10043-35-3 [1]<br>11113-50-1 [2] | | 1.8 mg/kg | 5.719 | 9.358 mg/kg | 0.000936 % | ✓ | |
| 7 | cadmium { cadmium sulfate } | 048-009-00-9 | 233-331-6 | 10124-36-4 | | <0.2 mg/kg | 1.855 | <0.371 mg/kg | <0.0000371 % | | <LOD |
| 8 | chromium in Cr(III) compounds { chromium(III) oxide } | | 215-160-9 | 1308-38-9 | | 23 mg/kg | 1.462 | 30.557 mg/kg | 0.00306 % | ✓ | |
| 9 | chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | <1.2 mg/kg | 2.27 | <2.724 mg/kg | <0.000272 % | | <LOD |
| 10 | copper { copper sulphate pentahydrate } | 029-023-00-4 | 231-847-6 | 7758-99-8 | | 25 mg/kg | 3.929 | 89.288 mg/kg | 0.00893 % | ✓ | |
| 11 | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 40 mg/kg | 1.56 | 56.715 mg/kg | 0.00364 % | ✓ | |
| 12 | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | <0.3 mg/kg | 1.353 | <0.406 mg/kg | <0.0000406 % | | <LOD |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EU CLP index number | EC Number | CAS Number | | | | | | | | | |
| 13 | | nickel { nickel dibromate } | | | | 12 | mg/kg | 5.358 | 58.449 | mg/kg | 0.00584 % | ✓ | |
| | | 028-053-00-5 | 238-596-1 | 14550-87-9 | | | | | | | | | |
| 14 | | selenium { nickel selenate } | | | | <1 | mg/kg | 2.554 | <2.554 | mg/kg | <0.000255 % | | <LOD |
| | | 028-031-00-5 | 239-125-2 | 15060-62-5 | | | | | | | | | |
| 15 | | vanadium { divanadium pentaoxide; vanadium pentoxide } | | | | 32 | mg/kg | 1.785 | 51.927 | mg/kg | 0.00519 % | ✓ | |
| | | 023-001-00-8 | 215-239-8 | 1314-62-1 | | | | | | | | | |
| 16 | | zinc { zinc chromate } | | | | 92 | mg/kg | 2.774 | 231.996 | mg/kg | 0.0232 % | ✓ | |
| | | 024-007-00-3 | 236-878-9 | 13530-65-9 | | | | | | | | | |
| 17 | | TPH (C6 to C40) petroleum group | | | | 38 | mg/kg | | 34.542 | mg/kg | 0.00345 % | ✓ | |
| | | | | TPH | | | | | | | | | |
| 18 | | confirm TPH has NOT arisen from diesel or petrol | | | | ☑ | | | | | | | |
| | | | | TPH_CONFIRM | | | | | | | | | |
| 19 | | tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 603-181-00-X | 216-653-1 | 1634-04-4 | | | | | | | | | |
| 20 | | benzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-020-00-8 | 200-753-7 | 71-43-2 | | | | | | | | | |
| 21 | | toluene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-021-00-3 | 203-625-9 | 108-88-3 | | | | | | | | | |
| 22 | | ethylbenzene | | | | <0.005 | mg/kg | | <0.005 | mg/kg | <0.0000005 % | | <LOD |
| | | 601-023-00-4 | 202-849-4 | 100-41-4 | | | | | | | | | |
| 23 | | xylene | | | | <0.013 | mg/kg | | <0.013 | mg/kg | <0.0000013 % | | <LOD |
| | | 601-022-00-9 | 215-535-7 | 1330-20-7 | | | | | | | | | |
| 24 | | pH | | | | 8 | pH | | 8 | pH | 8pH | | |
| | | | | PH | | | | | | | | | |
| 25 | | naphthalene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | 601-052-00-2 | 202-049-5 | 91-20-3 | | | | | | | | | |
| 26 | | acenaphthylene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 205-917-1 | 208-96-8 | | | | | | | | | |
| 27 | | acenaphthene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-469-6 | 83-32-9 | | | | | | | | | |
| 28 | | fluorene | | | | <0.05 | mg/kg | | <0.05 | mg/kg | <0.000005 % | | <LOD |
| | | | 201-695-5 | 86-73-7 | | | | | | | | | |
| 29 | | phenanthrene | | | | 0.2 | mg/kg | | 0.182 | mg/kg | 0.0000182 % | ✓ | |
| | | | 201-581-5 | 85-01-8 | | | | | | | | | |
| 30 | | anthracene | | | | 0.05 | mg/kg | | 0.0455 | mg/kg | 0.00000455 % | ✓ | |
| | | | 204-371-1 | 120-12-7 | | | | | | | | | |
| 31 | | fluoranthene | | | | 0.6 | mg/kg | | 0.545 | mg/kg | 0.0000545 % | ✓ | |
| | | | 205-912-4 | 206-44-0 | | | | | | | | | |
| 32 | | pyrene | | | | 0.53 | mg/kg | | 0.482 | mg/kg | 0.0000482 % | ✓ | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 33 | | benzo[a]anthracene | | | | 0.43 | mg/kg | | 0.391 | mg/kg | 0.0000391 % | ✓ | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 34 | | chrysene | | | | 0.54 | mg/kg | | 0.491 | mg/kg | 0.0000491 % | ✓ | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 35 | | benzo[b]fluoranthene | | | | 0.93 | mg/kg | | 0.845 | mg/kg | 0.0000845 % | ✓ | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 36 | | benzo[k]fluoranthene | | | | 0.4 | mg/kg | | 0.364 | mg/kg | 0.0000364 % | ✓ | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 37 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.65 | mg/kg | | 0.591 | mg/kg | 0.0000591 % | ✓ | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 38 | | indeno[123-cd]pyrene | | | | 0.36 | mg/kg | | 0.327 | mg/kg | 0.0000327 % | ✓ | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 39 | | dibenz[a,h]anthracene | | | | 0.11 | mg/kg | | 0.1 | mg/kg | 0.00001 % | ✓ | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 40 | | benzo[ghi]perylene | | | | 0.42 | mg/kg | | 0.382 | mg/kg | 0.0000382 % | ✓ | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0574 % | | |

| Key | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Determinand defined by classifier (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| CLP: Note 1 | Only the metal concentration has been used for classification |
| REM_MAT_AD | Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.<br>HWOL applies this mass correction before applying the moisture correction. |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and £ 75 °C;"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 12500 mg/kg (1.25%) because: no liquid phase: results too low to be flammable

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00345%)

## Appendix A: Classifier defined and non GB MCL determinands

**Mass of stone > 10 mm (case 4)** (CAS Number: REM_MAT_AD_10MM_-957699780)

Description/Comments:
Data source: Case 4: where the lab, after drying, has removed a % of material from the sample (e.g. gravel>10mm) and has not corrected the reported results for the removed material.

HWOL applies this mass correction before applying the moisture correction.
Data source date: 25 Sep 2026
Hazard Statements: None.

**chromium(III) oxide** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from ECHACHEM; REACH submission: Not classified;
Sigma Aldrich SDS v6.7 dated 25/12/2025: Not classified
Data source: https://chem.echa.europa.eu/100.013.783/overview
https://www.sigmaaldrich.com/GB/en/sds/sigald/393703
Data source date: 12 May 2026
Hazard Statements: None.

**TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Unknown Oil
Hazard statements taken from WM3 version 1.1.NI and 1.2.GB 2021
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

**confirm TPH has NOT arisen from diesel or petrol** (CAS Number: TPH_CONFIRM)

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: None.

**ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4
Description/Comments: IARC considers ethylbenzene Group 2B; Possibly carcinogenic to humans;
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
03 Jun 2026 - Carc. 2; H351 hazard statement sourced from:: IARC Group 2B (77) 2000

**pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 version 1.1.NI and 1.2.GB 2021
Data source date: 30 Jan 2021
Hazard Statements: None.

**acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.7 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.380/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/416703
Data source date: 02 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 1; H330 , STOT SE 3; H335

**acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.8 dated 12/12/2025
Data source: https://chem.echa.europa.eu/100.001.336/industry/113817?searchText=83-32-9
https://www.sigmaaldrich.com/GB/en/sds/aldrich/215376
Data source date: 02 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v6.6 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.001.541/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/128333
Data source date: 02 Mar 2026
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from ECHACHEM; CLP submissions;
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.001.437/overview
https://www.sigmaaldrich.com/GB/en/sds/supelco/48569
Data source date: 02 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , EUH441

**anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v9.3 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.003.974/overview
https://www.sigmaaldrich.com/GB/en/sds/supelco/48567
Data source date: 03 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440

**fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.376/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/f807
Data source date: 03 Mar 2026
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440 , EUH441

**pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from ECHACHEM; CLP submissions
SDS Sigma Aldrich v7.2 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.004.481/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/185515
Data source date: 03 Mar 2026
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , PBT; EUH440 , EUH441

**indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from ECHACHEM database; CLP submissions
SDS Sigma Aldrich v6.8 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.359/overview
https://www.sigmaaldrich.com/GB/en/sds/supelco/48499
Data source date: 03 Mar 2026
Hazard Statements: Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

**benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from ECHACHEM; CLP submissions; Sigma Aldrich SDS v7.1 dated 25/12/2025
Data source: https://chem.echa.europa.eu/100.005.350/overview
https://www.sigmaaldrich.com/GB/en/sds/aldrich/b9009
Data source date: 18 May 2026
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , vPvB; EUH441 , PBT; EUH440

**asbestos fibres detected (Yes/No)** (CAS Number: ACM_FIBRES)

Description/Comments: not classified, information only
Data source: N/A
Data source date: 15 Jan 2020
Hazard Statements: None.

## Appendix B: Rationale for selection of metal species

**arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}**

Worst case CLP species based on hazard statements/molecular weight and conversion factor for arsenic acid H3AsO4. (edit as required)

**beryllium {beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex}**

Worst case CLP species based on hazard statements/molecular weight and conversion factor for beryllium chloride. (edit as required)

**boron {boric acid; [1] boric acid; [2]}**

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming water is or has been present. (edit as required)

**cadmium {cadmium sulfate}**

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

**chromium in Cr(III) compounds {chromium(III) oxide}**

no historic processes or works

**chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}**

Worst case species based on hazard statements/molecular weight (edit as required)

**copper {copper sulphate pentahydrate}**

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

**lead {lead chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**mercury {mercury dichloride}**

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming no evidence for the use of explosives. (edit as required)

**nickel {nickel dibromate}**

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

**selenium {nickel selenate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**vanadium {divanadium pentaoxide; vanadium pentoxide}**

worst case

**zinc {zinc chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

## Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2026.295.7485.3ade906 (22 Oct 2026)
HazWasteOnline Database: 2026.289.7480.5453f58 (16 Oct 2026)

This classification utilises the following guidance and legislation:
**WM3 v1.2.GB - Waste Classification** - 1st Edition v1.2.GB - Oct 2021
**CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008
**1st ATP** - Regulation 790/2009/EC of 10 August 2009
**2nd ATP** - Regulation 286/2011/EC of 10 March 2011
**3rd ATP** - Regulation 618/2012/EU of 10 July 2012
**4th ATP** - Regulation 487/2013/EU of 8 May 2013
**Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013
**5th ATP** - Regulation 944/2013/EU of 2 October 2013
**6th ATP** - Regulation 605/2014/EU of 5 June 2014
**WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014
**Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014
**7th ATP** - Regulation 2015/1221/EU of 24 July 2015
**8th ATP** - Regulation (EU) 2016/918 of 19 May 2016
**9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016
**10th ATP** - Regulation (EU) 2017/776 of 4 May 2017
**HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017
**13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018
**14th ATP** - Regulation (EU) 2020/217 of 4 October 2019
**15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020
**The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020
**The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020
**GB MCL List** - version 1.1 of 09 June 2021
**GB MCL List v2.0** - version 2.0 of 20th October 2023
**GB MCL List v3.0** - version 3.0 of 11th January 2024
**GB MCL List v4.0** - version 4.0 of 2nd March 2024
**GB MCL List v5.0** - version 5.0 of 26th June 2024
**GB MCL List v6.0** - version 6.0 of 15th February 2025
**GB MCL List v7.0** - version 7.0 of 23rd September 2025