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BY EMAIL

Our Ref: NET/09/L2V2/WWjc

22nd July 2026

Dear Tom

Yew Tree Road, Birchencliffe
Validation of Topsoil and Made Ground Removal

In accordance with our commission, we have undertaken two site visits in order to provide information to support proof of satisfactory removal of made ground and topsoil material deemed unsuitable for reuse on site. Details are provided below.

Background and Requirements for Remediation

The site is located to the south of Yew Tree Road, Birchencliffe, approximately 4.1km to the northwest of Huddersfield town centre. The original site has been split into two, Site A (in the west) and Site B (in the east), with Site B being the focus of this report. Site B is broadly an irregular square in shape and has an approximate area of 0.4 hectares.

Site B has been subject to a Phase 1 Desk Study dated January 2018 (Ref: 2898/1) by Lithos; a Rogers Geotechnical Services (RGS) 'Phase 2 Geo-Environmental Report, Site B - Yew Tree Road/Burn Road, Birchencliffe, Huddersfield, HD2 2EQ' (Referenced C2213/21/E/3374) dated 8 July 2022; alongside RGS 'Phase 2 Geo-Environmental Report, Site A - Yew Tree Road/Burn Road, Birchencliffe, Huddersfield, HD2 2EQ' (Referenced C2213/21/E/3266) dated 12 July 2022; a Phase II Geo-environmental Report, Ref: S12597-JNP-XX-XX-RP-G-1001 P01, dated March 2025 authored by JNP Group (JNP); and most recently a Remediation Strategy Report, Ref: S12597-JNP-XX-XX-RP-G-1002 P02, dated 16th May 2025 authored by JNP.

The JNP May 2025 Remediation Strategy Report set out in Chapter 2.2, states that elevated concentrations of PAHs were encountered within Site B within the Topsoil and / or made ground at exploratory hole locations: WS07, WS08, TP206 and TP210. Chapter 2.5 states that the areas of contamination determined on site were between 0.10m bgl and 0.3m bgl. Further, the extent and depth of contaminated material 'hot spots' to be removed is shown in drawing S12597-JNP-XX-ZZ-DR-Z-1001. Chapter 3.3 set out that upon excavation of the 'hot spots', underlying ground shall be visually assessed by a suitably qualified person. Soil samples shall be taken for chemical analysis in areas where contamination was noted (at the 'Hot spots') or if significant or obvious contamination is observed to be present. Should the testing indicate that all contamination has not been removed, the excavation will need to be extended and re-testing until uncontaminated ground is confirmed. The JNP Remediation Strategy Report (dated May 2025) is attached to this letter for ease of reference.



Kirklees Council Environmental Health (Pollution & Noise Control) provided comment on the JNP Remediation Strategy, Responding Ref: WK/202540569, and have not recommended discharge of Condition 6 (Remediation Strategy) because the '*Remediation Strategy is unclear and leads to confusion in relation to what the exact remediation measures being recommended are*'. Further information provided within the Response was:

1. Further clarity is required in relation to the information presented in section 2 of the Remediation Strategy in relation to what exactly is to be remediated and to what depth.
2. Further justification is required in relation to what constitutes a "contamination hotspot". It appears from the results of the intrusive sampling from both the 2022 and 2025 Phase 2 site investigations that PAH contamination could be found across wider areas of the eastern section of the site, rather than as suggested, "localised hotspots". There is no evidence to confirm that PAH contamination exists in "hotspots", because no other sampling has been undertaken between WS07 and WS08 or TP206 and TP210, therefore further justification (or testing), is necessary to demonstrate why these are isolated hotspots, rather than a larger area of contamination.
3. The Phase 2 report (2025) and section 2 of the Remediation Strategy state that "made ground and topsoil require remediation" however, detail of the remediation of the made ground is lacking and requires clarification.
4. No detail is given in relation to the area of northwest made ground remediation within the Remediation Strategy.

Following the above response and comments from Kirklees Council, Newett Homes instructed ARP Geotechnical to attend site to inspect the current situation on the site, understand material movements undertaken and undertake sampling and chemical testing where beneficial to proving or disproving clean material.

Site Work

Photographs along with a sample and stockpile location plan are attached at the end of this letter as evidence and for reference of the below.

Site Inspections

An ARP engineer visited the site on the 27th May and 5th June 2026. Thorough visual inspection was carried out, and it was evident that the topsoil and made ground had been removed from the areas at and around WS07, WS08, TP206, TP207, TP208 and TP210, identified as remediation areas in the JNP Remediation Strategy, to natural clay which was observed at the surface (Photos 1 to 6). It was also observed that topsoil and made ground had been stripped across the Site A and B down to natural (Photos 13 to 16).



Material Movements

Through conversations with the site manager and onsite observations, ARP understand the following material movements have taken place:

- Topsoil and made ground has been stripped from the 25m² 'Hotspots' as set out by JNP and moved to the western side of Site A into two separate stockpiles.
- The remaining topsoil across both Site A and B has been stripped and stockpiled along the southern boundary within both respective sites.
- No transport or mixing of the main topsoil stockpiles within Sites A and B has occurred.
- Two smaller stockpiles, containing topsoil with numerous vegetation mixed in, which are unsuitable for inclusion in the main topsoil stockpiles have also been created. One in the northeast of Site B and one in the southwest of Site A.
- Several site won stockpiles of natural clay subsoils are also present as drainage works had started to commence at the time of the visits within site A and B (Photos 13 to 16, 18 to 19).

ARP Chemical Sampling

Seven chemical samples were taken from the natural clay subsoil immediately proximal to the locations of WS07 WS08, TP206, TP207, TP208, TP210 and NW Corner (Photos 1 to 6 and 17) to prove the removal of contaminated topsoil and made ground. Further six samples were taken, three from each topsoil stockpile, located along the south of both Site A and B (Photos 7 to 12) to understand if the wider areas of topsoil had been contaminated in Site B and Site A. All samples were sent to the Normec i2 laboratory for testing in line with the remediation strategy.

Laboratory Chemical Testing

Collected samples of topsoil and natural subsoils were issued by ARP for the suite of testing (As, Cd, Cr (VI), Cr (III), Cu, Hg, Ni, Pb, Se, Zn, Total Sulphate, Water Soluble Sulphate, pH, Phenol-monohydric, Speciated PAH, Total TPH, Asbestos, and Organic Matter). Samples were delivered to UKAS accredited laboratory Normec i2 Analytical in Doncaster. Results summaries for determinands within the topsoil stockpiles and natural subsoils found to be above screening values are given below and relevant screening values are attached at the end of this letter.

Natural Subsoils

No determinands were found to be above the relevant screening values (Residential with home-grown produce).



Site A: Topsoil Stockpile

A results summary table for determinands within the Site A topsoil stockpiles found to be above relevant screening values is given below:

Sample Reference	Depth (m)	BbF	DahA
SPA1	0.10	4.4	0.52
SPA2	0.10	4.8	0.47
SPA3	0.10	3.5	0.4
Screening Value at 1.0% SOM*		2.6	0.24
95% UCL		8.8	7.6

* Residential With Home-Grown Produce Screening Values

+ Screening Value exceeds that of 1% SOM recorded in sample

B(b)F = benzo(b)flouranthene,

D(ah)A = dibenzo(a,h)anthracene,

All units in mg/kg unless indicated otherwise

Exceedance

Acceptable*

It can be seen from the table that concentrations of B(b)F, and D(ah)A, at 95% UCLs of 8.8mg/kg and 7.6mg/kg respectively, are above the appropriate screening values as set out in Table 4.1 in JNP's Remediation Strategy report. Asbestos was not detected in any of the samples.

Concentrations of B(a)P within Site A topsoil stockpile ranged between 3.5mg/kg and 4.3mg/kg below the Defra C4SL screening value. When utilizing B(a)P as a surrogate marker as per C4SL Guidance (SOM 6%), no determinands were found to be above the relevant screening values.

Site B Topsoil Stockpile

Sample Reference	Depth (m)	Pb	BaP	BbF	DahA	Asbestos
SPB1	0.10	150	2.3	2.2	0.25	Detected < 0.001 %
SPB2	0.10	260	5.6	6	0.58	Not Detected
SPB3	0.10	140	3.8	4	0.3	Not Detected
Screening Value at 1.0% SOM*		200	5.0	2.6	0.24	
95% UCL		295.6	6.7	7.3	0.7	

* Residential With Home-Grown Produce Screening Values

+ Screening Value exceeds that of 1% SOM recorded in sample

BaA = benzo(a)anthracene, Pb = Lead, BbF = benzo(b)flouranthene, BaP = Benzo(a)pyrene,

DahA = dibenzo(a,h)anthracene.

All units in mg/kg unless indicated otherwise

Exceedance

Acceptable*



It can be seen from the table that concentrations of Pb, B(a)P, B(b)F, and D(ah)A, at 95% UCLs are 295.6mg/kg, 6.7mg/kg, 7.3 and 0.7mg/kg respectively, which are above the appropriate screening values as set out in Table 4.1 in JNP's Remediation Strategy report. Further asbestos fibers of Chrysotile were identified in one of the three samples taken. The asbestos containing material type identified within the sample were loose fibers with total % of asbestos within the sample by weight recorded as < 0.001%.

Conclusions

The site has been inspected and validated by ARP to have had the topsoil and made ground removed from the areas of WS07 WS08, TP206, TP207, TP208, TP210 (Area B), the made ground identified in the NW Corner of Area A and across the wider site area. The underlying subsoils have been chemically tested with no elevated determinands recorded and is considered suitable to be present within the top 600mm of garden and soft landscaped areas.

A stockpile of topsoil located on Site B recorded elevated determinands of Pb, BaP, BbF, and DahA along with asbestos in one sample. This topsoil stockpile is not deemed suitable for reuse on site.

The stockpile of topsoil on Site A did not record any determinands when utilising B(a)P as a surrogate marker. Although described as 'essentially' a greenfield site in the initial Lithos Desk Study Report ground investigations have recorded the presence of made ground across the site and therefore ARP consider the site to be brownfield.

Further testing and inspection of the stockpiled Site A topsoil material should be undertaken in line with YALPAG testing guidance for brown fields sites to provide further confidence that anthropogenic materials are absent.

We trust the above information and enclosures meet your requirements, however if you have any queries, please do not hesitate to contact us at your convenience.

Yours sincerely
for ARP GEOTECHNICAL LTD

W Watkins

Encs

- JNP Group Remediation Strategy
- Proposed Development Plan
- ARP Stockpile and Sample Location Plan
- ARP Photographic Record
- Laboratory Chemical Testing Certificates
- Haz Waste OnlineTM Waste Classification Report



Remediation Strategy

Project: Yew Tree Road,
Birchcliffe,
Huddersfield

Client: Newett Homes

Reference: S12597-JNP-XX-XX-RP-G-1002 P02

Date: 16 May 2025

DOCUMENT CONTROL SHEET

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FOR AND ON BEHALF OF JNP GROUP

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Contents Page

INTRODUCTION.....	4
1.2 OBJECTIVES	4
1.3 METHODOLOGY	4
2 REMEDIATION REQUIREMENTS.....	7
2.1 GENERAL	7
2.2 POLLUTANT LINKAGES	9
2.3 REMEDIATION OBJECTIVES	9
2.4 MANAGEMENT OBJECTIVES AFFECTING REMEDIATION OPTIONS.....	9
2.5 DESIGN REQUIREMENTS AFFECTING REMEDIATION OPTIONS	10
2.6 MATERIAL VOLUMES	10
2.7 HAZARDOUS WASTE ASSESSMENT	11
2.8 BEST PRACTICABLE TECHNIQUE.....	11
3 REMEDIATION STRATEGY – IMPLEMENTATION PLAN	12
3.1 INTRODUCTION	12
3.2 PROGRAMME OF WORKS	12
3.3 VALIDATION WORK	13
3.4 EARTHWORKS	13
3.5 IMPORTED FILL	13
4 REMEDIATION STRATEGY – VALIDATION PLAN	15
4.1 VALIDATION CHEMICAL TESTING – EXCAVATION LEVEL.....	15
4.2 VALIDATION CHEMICAL TESTING – IMPORTED FILL	15
4.3 VERIFICATION REPORTING	17
4.4 RECOMMENDATIONS	17
5 REFERENCES	18
INTRODUCTION.....	22

List of Appendices

Appendix A	Limitations
Appendix B	Hazardous Waste Assessment
Appendix C	Waste License and Permit Register
Appendix D	Waste Disposal Records
Appendix E	Yorkshire and Lincolnshire Pollution Advisory Group guidance (YALPAG): Sampling & Testing Matrix

INTRODUCTION

- 1.1.1 JNP Group was instructed by Newett Homes to undertake a remediation strategy for a site known as Yew Tree Road, Birchencliffe, Huddersfield (hereinafter referred to as ‘the site’). This report is subject to the limitations presented in **Appendix A**.
- 1.1.2 The site is located to the south of Yew Tree Road, Birchencliffe, approximately 4.1km to the northwest of Huddersfield town centre (see Figure 1 Key Plan). The centre of the site is located at National Grid Reference SE 119 190. The site covers an area of approximately 1 hectare.
- 1.1.3 It is understood that the site is to be developed with a number of residential properties, with roads and areas of hardstanding for access servicing and parking, and with private gardens.
- 1.1.4 Any comments given are based on the understanding that the proposed redevelopment will be as detailed above.
- 1.1.5 It should be noted that if there are any changes to the proposed redevelopment it may affect whether the remediation strategy outlined in this report is still appropriate and hence warrants further consideration.
- 1.1.6 Should there be any deviation from the agreed remediation strategy, then it may affect whether final discharge of any planning conditions pertaining to the site is granted by the Local Authority.

1.2 Objectives

- 1.2.1 The purpose of this report is to identify the Best Practicable Techniques(s) (BPT) for the remediation of the site. This has been achieved by undertaking an options appraisal of potential remediation techniques and then designing a sustainable remediation strategy including verification plan.

1.3 Methodology

- 1.3.1 This report has been compiled in accordance with the on-line Land contamination: risk management (LCRM) guidance produced by the Environment Agency (June 2019). This can be found on the UK government website: <https://www.gov.uk/guidance/land-contamination-how-to-manage-the-risks>.
- 1.3.2 The report has also been compiled in accordance with following guidance from the Yorkshire and Lincoln Pollution Advisory Group (YALPAG):
- Verification Requirements for Cover Systems. Technical Guidance for Developers, Landowners, and Consultants. Version 4.1, dated July 2021.
 - Verification Requirements for Gas Protection Systems. Technical Guidance for Developers, Landowners, and Consultants Version 1.1, dated December 2016.
- 1.3.3 The LCRM guidance outlines a three-stage process in deriving a remediation strategy:
- Identification of Feasible Remediation Options – this considers the general and technical factors that may affect the remedial option as well as the remediation and managerial objectives and produces a short list of potential BPT;

- Detailed Evaluation of Options – this considers the characterisation of the short listed remedial options and remediation costs. An evaluation of environmental attributes is undertaken to select the BPT most suitable for the site;
- Remediation Strategy Design – this identifies the areas of the site requiring remediation and how the works are to be phased. It outlines the verification process and plan which ensure that the remediation works are complete in line with the desired remediation and managerial objectives.

1.3.4 This report should be read in conjunction with the following reports:

- JNP Group S12597-JNP-XX-XX-RP-G-1001 P01 'Phase II Geo-environmental Report', dated March 2025.

2 REMEDIATION REQUIREMENTS

2.1 General

- 2.1.1 A ground investigation was undertaken by RGS between the spring and summer of 2022. The site was separated into Site A (in the west) and Site B (in the east) by RGS as shown on Figure 2.1.

Figure 2.1 Satellite image showing the location of Site A and Site B



- 2.1.2 The intrusive site work for Site A was undertaken by RGS between the spring and summer of 2022 and comprised six windowless sample boreholes (WS01-WS06), three dynamic probes (WS02, WS03 and WS04), four machine excavated trial pits (TP01-TP04), two soakaway pits (TPSA01 and TPSA02) and six water flush rotary open hole boreholes to prove presence of potential coal workings (RO1, RO2, RO4, RO5, RO7 and RO8). Three gas monitoring standpipes were installed (WS01, WS03 and WS05).
- 2.1.3 The intrusive site work for Site B was undertaken by RGS between the spring and summer of 2022 and comprised four windowless sample boreholes, dynamic probes (WS08, WS09 and DP11), five rotary open hole boreholes RO3, RO5, RO6, RO9 and RO10), seven mechanically excavated trial pits (TP05, TP06, TP06A, TP07, TP08) and two soakaway pits (TPSA03 and TPSA04).
- 2.1.4 Made ground was encountered across the Site A to depths between 0.15m and 0.40m bgl and generally consisted of a 'firm dark brown slightly sandy silty clay with rare gravel of plastic and glass'. Made ground was underlain by cohesive soils to >4m bgl consisting of either a 'firm greyish brown sandy gravelly laminated clay' or 'firm locally stiff gravelly silty clay'. Gravels consisted of sandstone and rare coal. Potentially reworked cohesive soils described as 'firm locally stiff dark brown mottled orangish brown light grey and dark grey sandy gravelly silty clay' was encountered in WS05 and WS06 to the south of the site. The

cohesive soils were underlain by interbedded sandstone and mudstone of the Pennine Lower Coal Measures Formation to >30m bgl.

- 2.1.5 Topsoil was encountered in all exploratory hole locations across Site B to depths between 0.15m and 0.30m bgl and was described as 'dark brown organic silty fine sand'. The topsoil was underlain by cohesive soils of either a 'soft to firm silty clay with lithorelics of sandstone' or a 'firm locally stiff brown locally mottled dark brown silty gravelly clay'. Gravels consisted of sandstone and rare coal to depths of >1.20m and >3.00m bgl. Potentially reworked clay was encountered in WS09, WS10 and TPSA03 to depths between 1.40m and 2.30m bgl, comprising 'soft to stiff brown mottled grey and orangish brown slightly sandy slightly gravelly clay with low cobble content'. The gravel and cobbles consisted of sandstone, mudstone and coal. The cohesive soils were underlain by interbedded sandstone and mudstone of the Pennine Lower Coal Measures Formation to >30m bgl.
- 2.1.6 Additional site work was undertaken by JNP Group on 12 March 2025 and comprised ten trial pits (TP201- TP211) across the whole site (combined Site A and Site B). The pits were excavated using a JCB 3CX excavator and logged by a ground engineering specialist by examining soil samples brought to the surface. These works were undertaken to Delineate contamination in the near surface soils.
- 2.1.7 Topsoil was encountered in all exploratory hole locations, except TP205, TP207 and TP208, to depths between 0.10m and 0.30m bgl. Topsoil was generally described as a dark brown gravelly clay with frequent rootlets. The proportion of clay and gravel varied between exploratory holes. The gravel fraction comprised sandstone, siltstone and mudstone.
- 2.1.8 Made ground was encountered in TP205, TP207 and TP208, to depths between 0.30m and 0.70m bgl. Made ground was typically described as a dark brown sandy gravelly clay with occasional cobbles and glass fragments. The proportion of clay, sand and gravel varied between exploratory holes. The gravel fraction comprised brick, clinker, pottery and sandstone.
- 2.1.9 Soils inferred to be of the Pennine Lower Coal Measures Formation were encountered in all exploratory holes to depths between 0.90m and 2.00m bgl. The cohesive deposits were generally described as firm orangish brown mottled grey slightly sandy gravelly clay. The proportion of clay, sand and gravel varied between exploratory holes. The gravel fraction comprised fine grained sandstone and siltstone.
- 2.1.10 Bedrock inferred to be of the Pennine Lower Coal Measures Formation were encountered in all exploratory holes from depths between 0.90m and 2.70m bgl. Bedrock was generally described as an extremely weak or weak grey mudstone, orangish brown fine-grained sandstone or orangish brown siltstone. Bedrock was typically recovered as gravel or cobbles.

2.2 Pollutant Linkages

- 2.2.1 From the ground investigation and subsequent assessment undertaken at the site in the spring and summer of 2022, localised contamination was recorded within the near surface soils in the following locations:
- WS07 in the north-west of Site B at 0.10m bgl (benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno(1,2,3-c,d)pyrene, dibenz(a,h)anthracene, benzo[g,h,i]perylene).
 - WS08 in the north-east of Site B at 0.20m bgl (benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, Indeno(1,2,3-c,d)pyrene, dbenz(a,h)anthracene, benzo[g,h,i]perylene)
- 2.2.2 Visual evidence of detrital material consisting of plastic and glass was encountered in the made ground across Site A to depths between 0.15m and 0.40m bgl.
- 2.2.3 From the ground investigation and subsequent assessment undertaken at the site in March 2025, contamination was recorded within the topsoil and made ground in the following locations:
- TP206 in the central east of the site at 0.20m bgl (benzo(a)pyrene and dibenzo(a,h)anthracene).
 - TP210 in the east of the site at 0.20m bgl (benzo(b)fluoranthene, benzo(a)pyrene and dibenzo(a,h)anthracene)
- 2.2.4 During the additional site work in March 2025, clinker, glass and pottery fragments were observed in the topsoil to depths up to 0.30m bgl.
- 2.2.5 The localised made ground and topsoil hot spots require remediation.

2.3 Remediation Objectives

- 2.3.1 The overall remediation objective is to ensure that the site is suitable for the proposed end-use and to protect the identified receptors (construction workers and future site residents).
- 2.3.2 The following remediation objectives specific to the contaminants apply to the site:
- To remove the risk to receptors from localised PAHs contaminated topsoil and made ground. .

2.4 Management Objectives Affecting Remediation Options

- 2.4.1 The following management objectives are considered to be appropriate for the site:
- To reduce the amount of hazardous waste being landfilled in line with current UK waste hierarchy (reduce - re-use – recycle – recover – disposal);
 - To achieve a remediation strategy that can be agreed by all key stakeholders (client, regulators);
 - To meet all regulatory requirements relevant to the installation or operation of remediation options;
 - To avoid unacceptable health and safety, and adverse environmental impacts during remediation;

- To minimise long term liabilities;
- To avoid long term maintenance or monitoring obligations;
- To ensure the scheme takes into account any design requirements of the overall redevelopment.

2.5 Design Requirements Affecting Remediation Options

- 2.5.1 The areas of contamination determined on site are between 0.10m bgl and 0.30m bgl. .
- 2.5.2 Contaminated soils will be required to be excavated and exported, either to a soil treatment facility or suitable waste management facility, unless significant levels changes are being considered, in which case this recommendation should be reviewed considering the proposed final site levels. The extent and depth of the excavation of contaminated material is shown in drawing S12597-JNP-XX-ZZ-DR-Z-1001.
- 2.5.3 Suitable care should be taken to ensure that adjacent properties and fence lines are not undermined.

2.6 Material Volumes

- 2.6.1 JNP have calculated the approximate volumes of materials requiring excavation and possible resultant volumes requiring export from the site as given in Table 2.1 and as shown on JNP Group drawing S12597-JNP-XX-ZZ-DR-Z-1001. These volumes do not include allowance for infrastructure arisings such as service trench arisings and foundation / piling arisings nor do they take into account bulking factors.

Location	Area (m ²)	Depth (m)	Volume (m ³)
North-west (made ground)	25	0.40*	10
TP206 (topsoil)	25	0.30	7.5
TP210 (topsoil)	25	0.30	7.5
WS07 (topsoil)	25	0.30	7.5
WS08 (topsoil)	25	0.30	7.5

*may be deeper

- 2.6.2 The total volume requiring remediation will therefore be in the region of 40m³.

2.7 Hazardous Waste Assessment

- 2.7.1 The concentrations of contaminants recorded during the ground investigation in the spring and summer of 2022 and the additional site work in March 2025 have been assessed using the HazWasteOnline classification tool. This classification tool is based on the methodology outlined in the Hazardous Waste Technical Guidance publication WM3 (EA, SEPA, NIA, NRW, May 2015).
- 2.7.2 Soil samples are classified as 'Non-Hazardous Waste'.
- 2.7.3 The Hazardous Waste Assessment is included in **Appendix B**.

2.8 Best Practicable Technique

- 2.8.1 Given the volume of material requiring remediation and the size of the site, the following options are best practicable at the site:
- Excavation and transfer to a soil treatment centre;
 - Excavation and transfer to a suitable waste facility.

3 REMEDIATION STRATEGY – IMPLEMENTATION PLAN

3.1 Introduction

- 3.1.1 The main works shall be undertaken by a suitably qualified earthworks Contractor and the works shall be supervised by JNP Group on an “as and when” required basis.
- 3.1.2 All works on site shall be undertaken following the guidance given in C762 Environmental Good Practice on-site (CIRIA C762) and Construction Site Safety GE700E/18 (CITB 2018).
- 3.1.3 A Construction Environmental Management Plan (CEMP) and method statements for all aspects of work shall be provided to JNP Group by the earthworks Contractor, and any specialised subcontractors. These will include any details of proposed toolbox talks. The CEMP and method statements shall require approval prior to commencement of the works on site. The CEMP should cover, as a minimum, the following items: nuisance dust; asbestos fibres release; odours; noise; surface water run-off control and traffic management.

3.2 Programme of Works

- 3.2.1 In order to ensure the works are undertaken in a suitable order, the following are proposed:
- Demolition and removal of the partially demolished structures to the south of the site, this would include the breaking out of any hardstanding.
 - Removal of materials stored on site, vegetation clearance and surface strip.
 - Excavation of localised hot spots and areas of made ground, ideally directly onto haulage lorries for disposal off-site if the soils are considered to be contaminated. If required, temporary stockpiling may be required, however the site’s small size will preclude significant stockpiling.
 - Topsoil strip - uncontaminated topsoil materials can be stockpiled separately on site for later re-use.
 - Any deleterious material, or obvious contamination (clinker, glass and pottery),) shall be stockpiled in a separate designated location for appropriate removal from site.
 - If cut and fill earthworks are required these would be undertaken following hotspot excavating and topsoil strip.
 - Removal of surplus material by a designated waste receiver;
 - Commencement of foundation work;
 - Any drainage/service work;
 - Construction phase.
- 3.2.2 Once the works commence, on-going activities will include excavation and off-site disposal.

- 3.2.3 Should unanticipated contaminated material be encountered that requires excavation then the earthworks contractor shall make the necessary arrangements with the waste receiver and programme in further excavation work.

3.3 Validation Work

- 3.3.1 Upon excavation of the hot spots, underlying ground shall be visually assessed by JNP Group. Soil samples shall be taken for chemical analysis in areas where contamination was noted or if significant or obvious contamination is present. Should the testing indicate that all contamination has not been removed, the excavation will need to be extended and re-testing until uncontaminated ground is confirmed.
- 3.3.2 Records shall be kept of any material removed off-site either for treatment and re-use or as a waste destined for landfill. The Waste License and Permit Register form, as given in **Appendix C**, detailing the waste codes, haulier and waste receiver details should be completed by the Contractor for each waste material generated requiring removal. In addition, all material removed off-site shall be logged on the Waste Disposal Log form given in **Appendix D**. The completed waste management form, duty of care and consignment notes shall be provided to JNP Group for inclusion in the verification report.

3.4 Earthworks

- 3.4.1 Should cut and fill be required as part of the works, then JNP Group recommends that the proposed development works are undertaken in accordance with the definition of Waste Code of Practice (DoWCoP); in following this guidance and to ensure materials are managed correctly, a Materials Management Plan may need to be prepared and declared in advance by a Qualified Person, then implemented and documented in a Verification Report. If this process is not undertaken, then following recent changes in Landfill Tax Regulations by HMRC. There is a risk of penalties equating to twice the Landfill Tax being applied to the re-use of material on site. If the proposed works are to be undertaken outside the DoWCoP, there would need to be some of Environmental Permitting or suitable equivalent. The requirements of such are likely to be more onerous and may take longer to be granted.

3.5 Imported Fill

- 3.5.1 Any imported fill such as subsoil or topsoil to be used at the site should be sourced from a suitable provider of such material, who should provide provisional chemical testing certificates of the material destined for the site. These certificates should be issued to JNP Group for approval prior to accepting the material. Once imported to site, the material will require further testing to verify it is the same material.
- 3.5.2 In addition, the imported fill should be free of any deleterious material such as glass fragments, wire, wood and a visual inspection should be undertaken once the material arrives on site.
- 3.5.3 Any topsoil and subsoil imported to site shall be classified and characterised in accordance with the requirements of BS3882:2015 [Specification for topsoil and requirements for use] and BS8601:2013 [Specification for subsoil and requirements for use] respectively as well as the chemical testing criteria given in Tables 4.1 and 4.2.
- 3.5.4 The reader is referred to Section 4 for chemical testing requirements.

3.6 Dealing with Unexpected Contamination

- 3.6.1 Whilst investigation works has been undertaken at the site, it remains possible that unexpected soil, or visible asbestos containing materials may be encountered during the process of any site demolition, clearance, excavation and / or construction.
- 3.6.2 There is the potential for areas of previously unidentified and unexpected contamination to be present at the site such as ashy soils, significantly oily or odorous material, asbestos impacted soils and underground tanks.
- 3.6.3 If during the works such material is encountered, then the earthworks Contractor shall inform JNP Group immediately who shall then advise on the best course of action. Photographic and written records should be kept by the earthworks Contractor detailing any such material.
- 3.6.4 A copy of this strategy for dealing with unexpected contamination should be made available on site and ground workers should be made aware of it.

3.7 Environmental Incidents

- 3.7.1 In the event of an unforeseen environmental incident (pollution occurrence) on-site work should be stopping in that area immediately affected and the Environmental Agency should be contacted via their incident hotline 0800 807 060.
- 3.7.2 Emergency spill kits shall be kept on-site in strategic locations and a member of staff who is trained to use them shall be present on-site at all times.

4 REMEDIATION STRATEGY – VALIDATION PLAN

4.1 Validation Chemical Testing – Excavation level

- 4.1.1 Following the excavation of contaminated areas, the resulting excavation bases and faces shall be sampled at random locations by JNP Group to suit the size of the excavation, and the samples sent for chemical analysis for metals, speciated PAH and SOM only. Providing the chemical results are acceptable to the screening values given in Table 4.1, the area can then be backfilled with imported sub-soil and topsoil (or fill beneath hardstanding), or site generated subsoil / topsoil.
- 4.1.2 Following the excavation of any unexpected contamination, soil samples shall be taken by JNP Group and tested for an appropriate testing suite. The results shall be compared to the criteria given in Tables 4.1 and 4.2, and provided they are acceptable the area can be backfilled.
- 4.1.3 Should the chemical results fail then further material shall be excavated (it is suggested by extending the depth of the excavation by 200 mm) and the new excavation level sampled and tested as above.
- 4.1.4 All chemical testing shall be undertaken by a UKAS and MCERTS accredited testing laboratory using standard turnaround times.

4.2 Validation Chemical Testing – Imported Fill

- 4.2.1 Chemical testing certificates should be available for any imported fill including subsoil or topsoil, however, in line with the requirements of the NHBC and Yorkshire and Lincolnshire Pollution Advisory Group (YALPAG) guidance as the number of plots scheduled for development in this area is up to c.22, each imported material used will need to be sampled in accordance YALPAG (**Appendix E**).
- 4.2.2 Provisional chemical testing certificates should be available for any imported fill including subsoil or topsoil. The further testing once the material is on-site will verify the materials are the same as those tested in the supply site / depot.
- 4.2.3 All chemical testing shall be undertaken by a UKAS and MCERTS accredited testing laboratory.
- 4.2.4 Any chemical testing results shall be compared to the screening values given in Table 4.1. As the final end use of the site is residential properties with private gardens, current UK residential with plant uptake guideline values have been selected for use.
- 4.2.5 In addition, as copper, nickel and zinc are considered phytotoxic in nature the criteria given in Table 4.2 should be used (these values are less than the published UK screening values and hence are considered protective of human health).

Table 4-1: Validation & Imported Fill Screening Values

Determinant	Screening Criteria (mg/kg)	Source		Determinant	Screening Criteria (mg/kg)	Source
TPH Aliphatic C ₅ – C ₆	42	LQM S4UL		Acenaphthylene	5.0	Professional judgement ⁶
TPH Aliphatic C ₆ – C ₈	100	LQM S4UL		Acenaphthene	5.0	Professional judgement ⁶
TPH Aliphatic C ₈ – C ₁₀	27	LQM S4UL		Anthracene	5.0	Professional judgement ⁶
TPH Aliphatic C ₁₀ – C ₁₂	130	LQM S4UL		Benzo(a)anthracene	5.0	Professional judgement ⁶
TPH Aliphatic C ₁₂ – C ₁₆	250	Professional judgement ¹		Benzo(a)pyrene	5.0	Defra C4SL ⁴
TPH Aliphatic C ₁₆ – C ₂₁	250	Professional judgement ¹		Benzo(b)fluoranthene	2.6	LQM S4UL
TPH Aliphatic C ₂₁ – C ₃₅	250	Professional judgement ¹		Benzo(k)fluoranthene	5.0	Professional judgement ⁶
TPH Aromatic C ₅ – C ₇	0.87	Professional judgement ⁶		Benzo(g,h,i)perylene	5.0	Professional judgement ⁶
TPH Aromatic C ₇ – C ₈	130	LQM S4UL		Chrysene	5.0	Professional judgement ⁶
TPH Aromatic C ₈ – C ₁₀	34	LQM S4UL		Dibenzo(a,h)anthracene	0.24	LQM S4UL
TPH Aromatic C ₁₀ – C ₁₂	74	LQM S4UL		Fluoranthene	5.0	Professional judgement ⁶
TPH Aromatic C ₁₂ – C ₁₆	140	Professional judgement ¹		Fluorene	5.0	Professional judgement ⁶
TPH Aromatic C ₁₆ – C ₂₁	260	Professional judgement ¹		Indeno(1,2,3,c-d)pyrene	5.0	Professional judgement ⁶
TPH Aromatic C ₂₁ – C ₃₅		Professional judgement ¹		Naphthalene	2.3	LQM S4UL
				Pyrene	5.0	Professional judgement ⁶
Arsenic	37	Defra C4SL ⁴		Phenanthrene	5.0	Professional judgement ⁶
Cadmium	26	Defra C4SL ⁴				
Chromium	910 ²	LQM S4UL		Nickel	pH dependent	Refer to Table 5.2
Mercury	40 ³	LQM S4UL		Selenium	250	LQM S4UL
Lead	200	Defra C4SL ⁴		Benzene	0.87	Defra C4SL ⁴
Copper	pH dependent	Refer to Table 5.2		Toluene	130	LQM S4UL
Zinc	pH dependent	Refer to Table 5.2		Ethylbenzene	47	LQM S4UL
Asbestos	None present	CIRIA C733		Xylene	56 ⁵	LQM S4UL

LQM S4UL selected for organics based on 1% soil organic matter (SOM) for conservatism

1 Professional judgement – conservative value selected, less than LQM S4UL

2 Based on LQM S4UL for chromium III, assumes no chromium VI is likely to be present

- 3 Based on LQM S4UL for inorganic mercury, assumes that no elemental or methyl mercury is likely to be present
- 4 defra category 4 screening value
- 5 Based on LQM S4UL for p-xylene for conservatism
- 6 Professional judgment – cannot be classified as contaminated land under Part IIA

Table 4.2: Imported Fill Screening Values- phytotoxic metals

Determinant	Screening Criteria (mg/kg)			Source
	pH <6	pH 6-7	pH >7	
Copper (nitric acid extractable)	<100	<135	<200	BS 3882:2015 and BS 8601:2013
Nickel (nitric acid extractable)	<60	<75	<110	BS 3882:2015 and BS 8601:2013
Zinc (nitric acid extractable)	<200	<200	<300	BS 3882:2015 and BS 8601:2013

4.3 Verification Reporting

- 4.3.1 Following the completion of the remediation works, all records of works undertaken (including drawings and photographs), duty of care certificates and imported soil chemical testing certificates shall be provided to JNP Group.
- 4.3.2 Following the completion of the remediation works, a verification report shall be produced by JNP Group that details the remediation work undertaken, the validation testing undertaken, and the details of any material removed from or brought to the site.
- 4.3.3 It is recommended that a copy of this report is submitted to the regulatory authorities for their approval.

4.4 Recommendations

- 4.4.1 It is recommended that a copy of this options appraisal and remediation strategy be submitted to the Regulatory Authorities for their approval.

5 REFERENCES

- 1 BRE 2005: Special Digest 1. Concrete in Aggressive Ground. Building Research Establishment.
- 2 BS 5930:1999. Code of practice for site investigations. British Standards Institution. London.
- 3 BS 8485. 2015. Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings. British Standards Institution. London.
- 4 BS 8576. 2013. Guidance on investigations for ground gas – Permanent gases and Volatile Organic Compounds (VOC). British Standards Institution. London.
- 5 BS 10175: 2001. Investigation of potentially contaminated sites - code of practice. British Standards Institution, London.
- 6 BS 3882:2015. Specification for topsoil and requirements for use. British Standards Institution. London.
- 7 BS 8601:2013. Specification for subsoil and requirements for use. British Standards Institution. London
- 8 Card G, Wilson S, Mortimore S. 2012. A Pragmatic Approach to Ground Gas Risk Assessment. CL:AIRE Research Bulletin RB17. CL:AIRE. London.
- 9 CL:AIRE and Chartered Institute of Environmental Health (CIEH). 2008. Guidance on Comparing Soil Contamination Data with a Critical Concentration. CL:AIRE / CIEH. London.
- 10 CL:AIRE. 2013. SP1010 – Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination. CL:AIRE. London.
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- 14 Environment Agency. 2006. Remedial Targets Methodology. Hydrogeological Risk Assessment for Land Contamination.
- 15 Environment Agency. 2008. Compilation of Data for Priority Organic Pollutants for Derivation of Soil Guideline Values. Science Report SC050021/SR7.

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- 22 Environment Agency. 2019. Land Contamination: Risk Management. UK Government Website - <https://www.gov.uk/guidance/land-contamination-how-to-manage-the-risks>.
- 23 Land Quality Management & Chartered Institute of Environmental Health (2015). The LQM/CIEH S4UL for Human Health Risk Assessment - LQM CIEH. Land Quality Press, Nottingham.
- 24 TPH Criteria Working Group: 1997: Total Petroleum Hydrocarbon Group Series. Volume 3. Selection of Representative TPH Fractions Based on Fate and Transport Considerations.
- 25 Wilson S, Card G and Haines S. 2008. Ground Gas Handbook. Dunbeath. Whittles Publishing.
- 26 Yorkshire and Humberside Pollution Advisory Council. Version 3.1 October 2014. Verification Requirements for Cover Systems. Technical Guidance for Developers, Landowners and Consultants.

Figures / Drawings



Figure 1

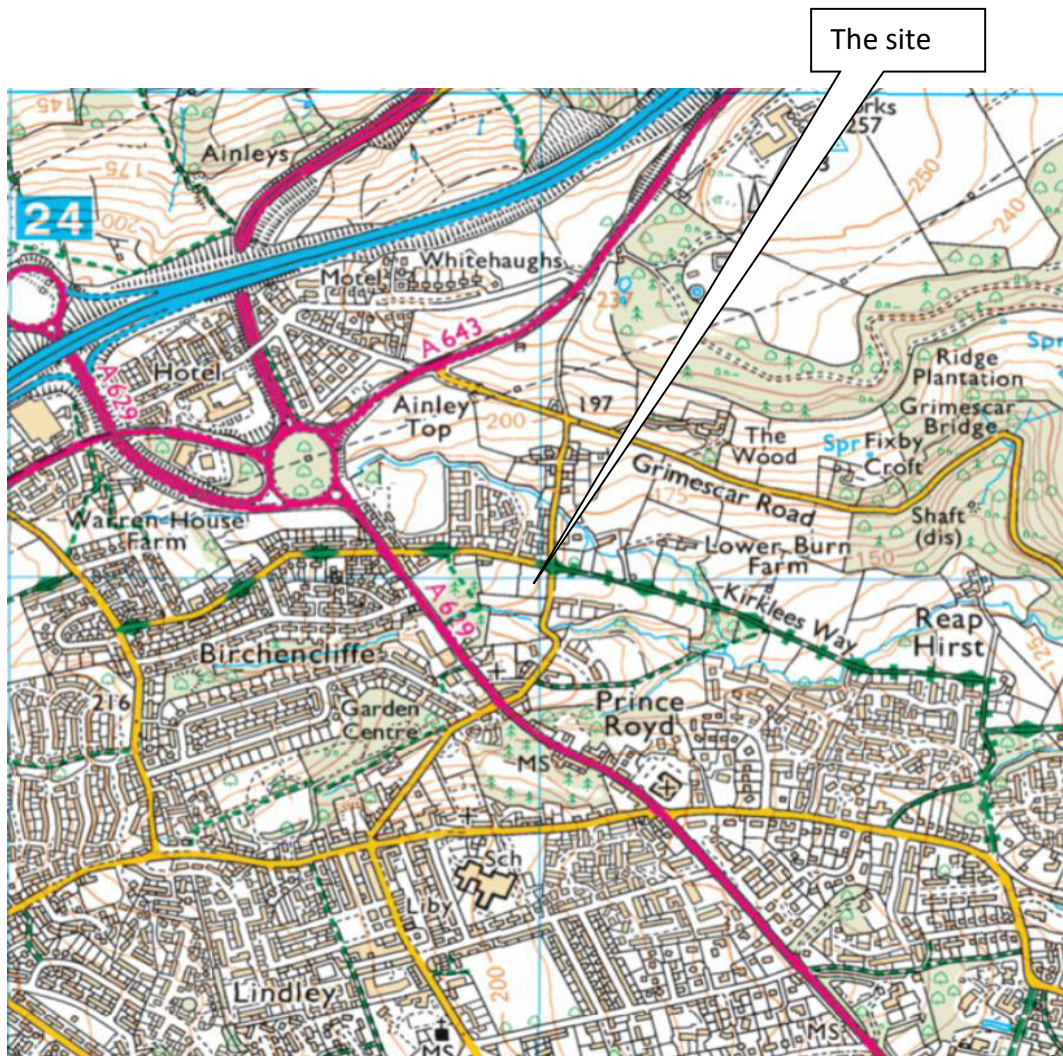
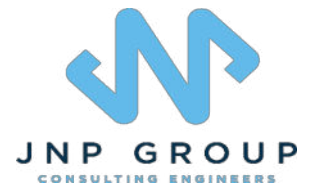
Site Location Plan

Project:

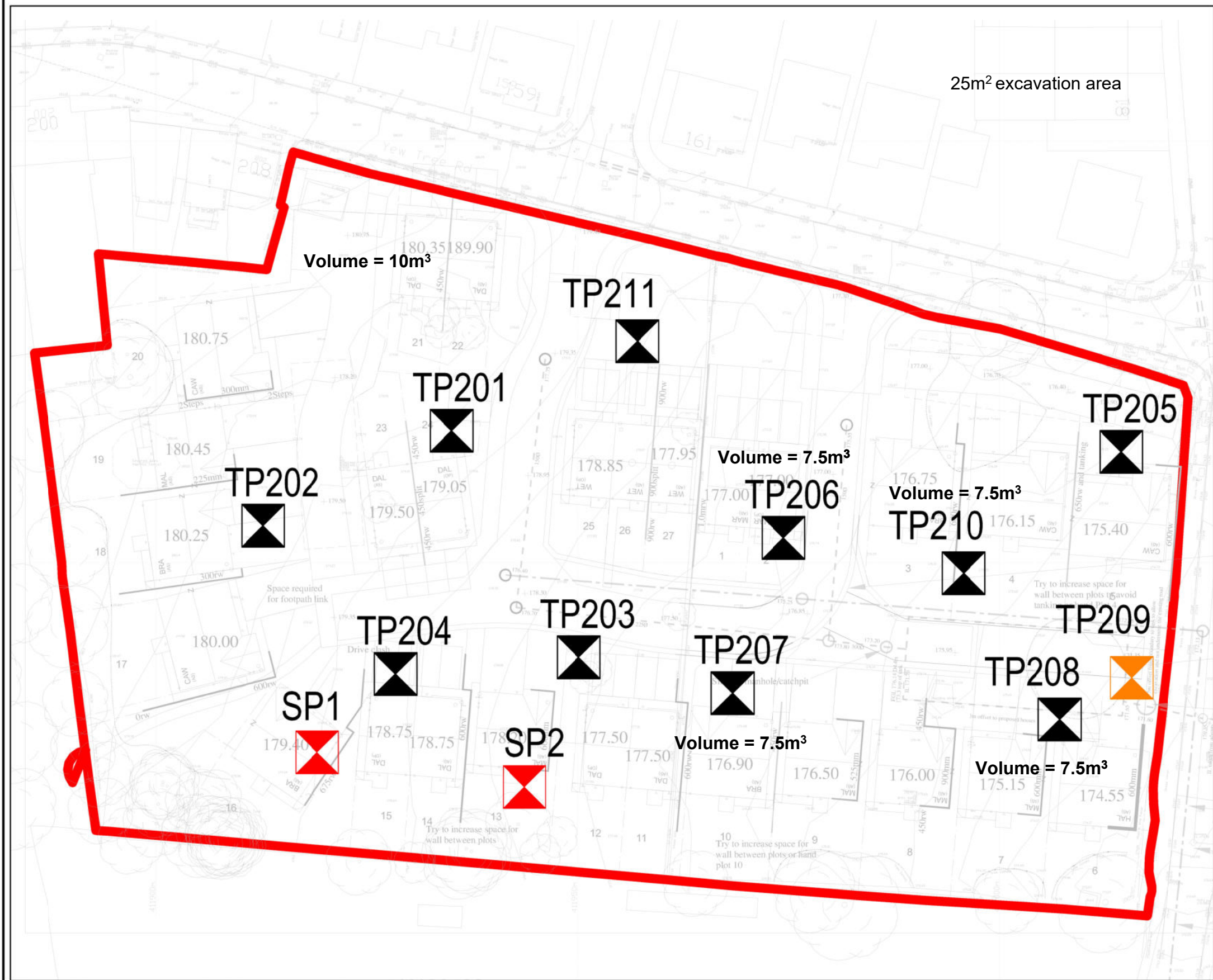
Yew Tree Road, Birchencliffe, Huddersfield

Project No:

S12597



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- Trial Pit Location
- Trial Pit in Spoil Heaps

- Trial Pit for Mine Shaft

HAZARD IDENTIFICATION BOX			
This table is provided to assist the Principal Contractor to fulfil their obligations under the CDM Regulations 2015			
Hazard Ref	Hazard Type (Construction/Maintenance/ Cleaning/Demolition/Adaptation)	Hazard Description	Mitigation Measures/ Residual Risk
1			

Health & Safety Note
The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

P01	09/04/2025	Excavation Areas and Volumes	BR/Hi/PT
Rev.	Date	Description	Dm / Chk'd / App'd
Suitability: S2 - Suitable for Information			

Amersham • Belfast • Brighouse • Bristol
Hartlepool • Sheffield • Warwick

www.jnpgroup.co.uk

Client:	Newett Homes
Job:	Yew Tree Road, Birchencliffe, Huddersfield
Title:	Excavation Areas and Volumes

Classification: FI_60_20
Scale @ A3: As Shown

Accredited Contractor
Part of Capita plc
Supplier No. 300026

Project - Originator - Volume/System - Level/Location - Type - Discipline - Number	Revision:
S12597 - JNP-XX-ZZ- DR-Z- 1002	P01
Document/Drawing Number	

Appendix A Limitations



INTRODUCTION

This report is confidential and has been prepared solely for the benefit of the client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed. Should any third party wish to use or rely upon the contents of the report, written approval must be sought from JNP Group; a charge may be levied against such approval. JNP Group accepts no responsibility or liability for the consequences of this document being used for any purpose or project other than for which it was commissioned, and: this document to any third party with whom and agreement has not been executed.

Any comments given within this report are based on the understanding that the proposed works to be undertaken will be as described in the introduction and the information referred to and provided by others and will be assumed to be correct and will not have been checked by JNP Group and JNP Group will not accept any liability or responsibility for any inaccuracy in such information.

Any deviation from the recommendations or conclusions contained in this report should be referred to JNP Group in writing for comment and JNP Group reserve the right to reconsider their recommendations and conclusions contained within. JNP Group will not accept any liability or responsibility for any changes or deviations from the recommendations noted in this report without prior consultation and our full approval.

The details contained within this report reflect the site conditions prevailing at the time of investigation. JNP Group warrants the accuracy of this report up to and including that date. Additional information, improved practice or changes in legislation may necessitate this report having to be reviewed in whole or in part after that date. If necessary, this report should be referred back to JNP Group for re-assessment and, if necessary, re-appraisal.

This report is only valid when used in its entirety. Any information or advice included in the report should not be relied upon until considered in the context of the whole report. Whilst this report and the opinion made herein are correct to the best of JNP Groups' belief, JNP Group cannot guarantee the accuracy or completeness of any information provided by third parties.

The report represents the finding and opinions of experience geotechnical and geoenvironmental engineers. JNP Group does not provide legal advice and the advice of lawyers may also be required.

It should be noted that the following were not included as part of the agreed scope of works with the client: detailed ecological surveys and assessment; groundwater monitoring and sampling; geotechnical requirements etc.

JNP Group has provided advice and made recommendations based on the findings of the work undertaken, however this is subject to the approval / acceptance by the relevant regulatory authorities.

The risk assessment and opinions provided, inter alia, take into consideration currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values.

Where intrusive investigations have been undertaken they have been designed to provide a reasonable level of assurance on the conditions. Given the discrete nature sampling, no investigation technique is capable of identifying all conditions present in all areas. The number of

sampling points and the methods of sampling and testing do not preclude the existence of localised “hotspots” of contamination where concentrations may be significantly higher than those actually encountered.

If costs have been included in relation to the site remediation these must be confirmed by a qualified quantity surveyor. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only to the purpose for which the report was commissioned. The information reviewed from Third Party should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, JNP Group reserves the right to review such information and, if warranted, to modify the opinions accordingly.

Whilst this report and the opinion made herein are correct to the best of JNP Groups’ belief, JNP Group cannot guarantee the accuracy or completeness of any information provided by third parties.

Gas and groundwater levels may vary from those reported due to seasonal, or other effects.

Appendix B Hazardous Waste Assessment



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:

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



19T9S-C5L5Q-RDM90

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

Report is invalid if pages are removed.

Job name

S12597 Yew Tree Road

Description/Comments

Project

S12597

Site

Yew Tree Road

Classified by

Name: **Hilary Ilsley**
Date: **09 Apr 2025 11:09 GMT**
Telephone: **01926 889955**
Company: **JNP Group**
Mitaka House
4-12 Morton Street
Leamington Spa
CV32 5SY

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

Hazardous Waste Classification

Date

-

Purpose of classification

7 - Disposal of Waste

Address of the waste

Yew Tree Road, Birchcliffe, Huddersfield

Post Code SHD3 3QN

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

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

Removal of topsoil and made ground

Description of the waste

Topsoil and made ground

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP206 TPS	0.20	Non Hazardous		3
2	TP206 NG	0.40	Non Hazardous		5
3	TP205 MG	0.30	Non Hazardous		7
4	TP205 NG	0.90	Non Hazardous		9
5	TP208 MG	0.10	Non Hazardous		11
6	TP208 NG	0.40	Non Hazardous		13
7	TP207 MG	0.20	Non Hazardous		14
8	TP207 NG	0.50	Non Hazardous		16
9	TP203 NG	0.40	Non Hazardous		18
10	TP204 TPS	0.20	Non Hazardous		20
11	TP204 NG	0.60	Non Hazardous		22
12	TP202 NG	0.30	Non Hazardous		24
13	TP201 TPS	0.10	Non Hazardous		26
14	TP201 NG	0.5	Non Hazardous		28
15	TP210 TPS	0.20	Non Hazardous		30
16	TP210 NG	0.50	Non Hazardous		32
17	TP211 TPS	0.20	Non Hazardous		34
18	TP211 NG	0.60	Non Hazardous		36
19	STOCKPILE ES1		Non Hazardous		38
20	STOCKPILE ES2		Non Hazardous		40
21	WS01	0.20-0.40	Non Hazardous		42
22	WS03	0.20-0.40	Non Hazardous		44
23	WS07	0.10-0.20	Non Hazardous		46
24	WS06	0.50-0.60	Non Hazardous		48
25	WS08	0.20	Non Hazardous		50

Related documents

#	Name	Description
1	JNP Updated 2023 Standard	waste stream template used to create this Job

Report

Created by: Hilary Ilsley

Created date: 09 Apr 2025 11:09 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	52
Appendix B: Rationale for selection of metal species	53
Appendix C: Version	53

Classification of sample: TP206 TPS

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

Sample details

Sample name:	LoW Code:
TP206 TPS	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
27%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 27% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.47 mg/kg		0.47 mg/kg	0.000047 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		205-917-1	208-96-8							
3	acenaphthene				0.55 mg/kg		0.55 mg/kg	0.000055 %		
		201-469-6	83-32-9							
4	fluorene				0.79 mg/kg		0.79 mg/kg	0.000079 %		
		201-695-5	86-73-7							
5	phenanthrene				5.1 mg/kg		5.1 mg/kg	0.00051 %		
		201-581-5	85-01-8							
6	anthracene				5.6 mg/kg		5.6 mg/kg	0.00056 %		
		204-371-1	120-12-7							
7	fluoranthene				9.2 mg/kg		9.2 mg/kg	0.00092 %		
		205-912-4	206-44-0							
8	pyrene				8.3 mg/kg		8.3 mg/kg	0.00083 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				4.4 mg/kg		4.4 mg/kg	0.00044 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				4.4 mg/kg		4.4 mg/kg	0.00044 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				6.6 mg/kg		6.6 mg/kg	0.00066 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				2.3 mg/kg		2.3 mg/kg	0.00023 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				6 mg/kg		6 mg/kg	0.0006 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.67 mg/kg		0.67 mg/kg	0.000067 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				2.9 mg/kg		2.9 mg/kg	0.00029 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				3.1 mg/kg		3.1 mg/kg	0.00031 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00605 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP206 NG

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

Sample details

Sample name:	LoW Code:
TP206 NG	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.19 mg/kg		0.19 mg/kg	0.000019 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
8	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☑					

#		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							
Total:									0.00009 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP205 MG

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

Sample details

Sample name:	LoW Code:
TP205 MG	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
19%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 19% No Moisture Correction applied (MC)

#	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							
1	naphthalene				2.4 mg/kg		2.4 mg/kg	0.00024 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.89 mg/kg		0.89 mg/kg	0.000089 %		
		205-917-1	208-96-8							
3	acenaphthene				2.5 mg/kg		2.5 mg/kg	0.00025 %		
		201-469-6	83-32-9							
4	fluorene				2.3 mg/kg		2.3 mg/kg	0.00023 %		
		201-695-5	86-73-7							
5	phenanthrene				26 mg/kg		26 mg/kg	0.0026 %		
		201-581-5	85-01-8							
6	anthracene				4.2 mg/kg		4.2 mg/kg	0.00042 %		
		204-371-1	120-12-7							
7	fluoranthene				36 mg/kg		36 mg/kg	0.0036 %		
		205-912-4	206-44-0							
8	pyrene				32 mg/kg		32 mg/kg	0.0032 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				13 mg/kg		13 mg/kg	0.0013 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				14 mg/kg		14 mg/kg	0.0014 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				15 mg/kg		15 mg/kg	0.0015 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				6.6 mg/kg		6.6 mg/kg	0.00066 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				13 mg/kg		13 mg/kg	0.0013 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				6.3 mg/kg		6.3 mg/kg	0.00063 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				5.9 mg/kg		5.9 mg/kg	0.00059 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☑					

#		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							
Total:									0.0181 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP205 NG

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

Sample details

Sample name:	LoW Code:
TP205 NG	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.90 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
20%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.23 mg/kg		0.23 mg/kg	0.000023 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		205-912-4	206-44-0							
8	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00011 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP208 MG

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

Sample details

Sample name:	LoW Code:
TP208 MG	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
28%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 28% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.42 mg/kg		0.42 mg/kg	0.000042 %		
		201-469-6	83-32-9							
4	fluorene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
		201-695-5	86-73-7							
5	phenanthrene				2.8 mg/kg		2.8 mg/kg	0.00028 %		
		201-581-5	85-01-8							
6	anthracene				0.7 mg/kg		0.7 mg/kg	0.00007 %		
		204-371-1	120-12-7							
7	fluoranthene				6.3 mg/kg		6.3 mg/kg	0.00063 %		
		205-912-4	206-44-0							
8	pyrene				5.4 mg/kg		5.4 mg/kg	0.00054 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				2.8 mg/kg		2.8 mg/kg	0.00028 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				2.8 mg/kg		2.8 mg/kg	0.00028 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				3.3 mg/kg		3.3 mg/kg	0.00033 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				2.7 mg/kg		2.7 mg/kg	0.00027 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				1.6 mg/kg		1.6 mg/kg	0.00016 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☑					

#		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							
Total:									0.00328 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP208 NG

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

Sample details

Sample name:	LoW Code:
TP208 NG	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m	
Moisture content:	
20%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
6	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.00004 %		

Key

User supplied data
 Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP207 MG

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

Sample details

Sample name:	LoW Code:	
TP207 MG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		
Moisture content:		
30%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **30% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.44 mg/kg		0.44 mg/kg	0.000044 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.72 mg/kg		0.72 mg/kg	0.000072 %		
		205-917-1	208-96-8							
3	acenaphthene				0.33 mg/kg		0.33 mg/kg	0.000033 %		
		201-469-6	83-32-9							
4	fluorene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
		201-695-5	86-73-7							
5	phenanthrene				4.9 mg/kg		4.9 mg/kg	0.00049 %		
		201-581-5	85-01-8							
6	anthracene				0.79 mg/kg		0.79 mg/kg	0.000079 %		
		204-371-1	120-12-7							
7	fluoranthene				9 mg/kg		9 mg/kg	0.0009 %		
		205-912-4	206-44-0							
8	pyrene				7.7 mg/kg		7.7 mg/kg	0.00077 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				3.2 mg/kg		3.2 mg/kg	0.00032 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				3.8 mg/kg		3.8 mg/kg	0.00038 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				3.7 mg/kg		3.7 mg/kg	0.00037 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				2.2 mg/kg		2.2 mg/kg	0.00022 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				3.4 mg/kg		3.4 mg/kg	0.00034 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.48 mg/kg		0.48 mg/kg	0.000048 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				2.2 mg/kg		2.2 mg/kg	0.00022 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				2 mg/kg		2 mg/kg	0.0002 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:								0.00454 %			

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP207 NG

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

Sample details

Sample name:	LoW Code:	
TP207 NG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		
Moisture content:		
20%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **20% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.17 mg/kg		0.17 mg/kg	0.000017 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.67 mg/kg		0.67 mg/kg	0.000067 %		
		205-912-4	206-44-0							
8	pyrene				0.58 mg/kg		0.58 mg/kg	0.000058 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00032 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP203 NG



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

Sample details

Sample name:	LoW Code:	
TP203 NG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		
Moisture content:		
20%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
8	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00009 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP204 TPS



Non Hazardous Waste

Classified as 17 05 04
in the List of Waste

Sample details

Sample name:	LoW Code:	
TP204 TPS	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		
Moisture content:		
32%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: 32% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.21 mg/kg		0.21 mg/kg	0.000021 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		201-469-6	83-32-9							
4	fluorene				0.17 mg/kg		0.17 mg/kg	0.000017 %		
		201-695-5	86-73-7							
5	phenanthrene				0.64 mg/kg		0.64 mg/kg	0.000064 %		
		201-581-5	85-01-8							
6	anthracene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		204-371-1	120-12-7							
7	fluoranthene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
		205-912-4	206-44-0							
8	pyrene				1 mg/kg		1 mg/kg	0.0001 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.59 mg/kg		0.59 mg/kg	0.000059 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.6 mg/kg		0.6 mg/kg	0.00006 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.51 mg/kg		0.51 mg/kg	0.000051 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00062 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP204 NG

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

Sample details

Sample name:	LoW Code:	
TP204 NG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		
Moisture content:		
23%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **23% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.17 mg/kg		0.17 mg/kg	0.000017 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.09 mg/kg		0.09 mg/kg	0.000009 %		
		205-912-4	206-44-0							
8	pyrene				0.07 mg/kg		0.07 mg/kg	0.000007 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.0001 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP202 NG

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

Sample details

Sample name:	LoW Code:	
TP202 NG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.30 m		
Moisture content:		
23%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **23% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
8	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00008 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP201 TPS



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

Sample details

Sample name:	LoW Code:	
TP201 TPS	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m		
Moisture content:		
28%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **28% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.37 mg/kg		0.37 mg/kg	0.000037 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
		201-469-6	83-32-9							
4	fluorene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
		201-695-5	86-73-7							
5	phenanthrene				0.58 mg/kg		0.58 mg/kg	0.000058 %		
		201-581-5	85-01-8							
6	anthracene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
		204-371-1	120-12-7							
7	fluoranthene				0.99 mg/kg		0.99 mg/kg	0.000099 %		
		205-912-4	206-44-0							
8	pyrene				0.85 mg/kg		0.85 mg/kg	0.000085 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.47 mg/kg		0.47 mg/kg	0.000047 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.59 mg/kg		0.59 mg/kg	0.000059 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.46 mg/kg		0.46 mg/kg	0.000046 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00052 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP201 NG

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

Sample details

Sample name:	LoW Code:	
TP201 NG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.5 m		
Moisture content:		
18%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **18% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
8	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00009 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP210 TPS



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

Sample details

Sample name:	LoW Code:	
TP210 TPS	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		
Moisture content:		
25%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: 25% No Moisture Correction applied (MC)

#	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							
1	naphthalene				0.69 mg/kg		0.69 mg/kg	0.000069 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.87 mg/kg		0.87 mg/kg	0.000087 %		
		205-917-1	208-96-8							
3	acenaphthene				0.82 mg/kg		0.82 mg/kg	0.000082 %		
		201-469-6	83-32-9							
4	fluorene				1 mg/kg		1 mg/kg	0.0001 %		
		201-695-5	86-73-7							
5	phenanthrene				10 mg/kg		10 mg/kg	0.001 %		
		201-581-5	85-01-8							
6	anthracene				2.4 mg/kg		2.4 mg/kg	0.00024 %		
		204-371-1	120-12-7							
7	fluoranthene				19 mg/kg		19 mg/kg	0.0019 %		
		205-912-4	206-44-0							
8	pyrene				16 mg/kg		16 mg/kg	0.0016 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				7.6 mg/kg		7.6 mg/kg	0.00076 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				7.4 mg/kg		7.4 mg/kg	0.00074 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				9 mg/kg		9 mg/kg	0.0009 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				3 mg/kg		3 mg/kg	0.0003 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				7.8 mg/kg		7.8 mg/kg	0.00078 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				1 mg/kg		1 mg/kg	0.0001 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				4.5 mg/kg		4.5 mg/kg	0.00045 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				4.2 mg/kg		4.2 mg/kg	0.00042 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#	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							
Total:								0.00953 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP210 NG

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

Sample details

Sample name:	LoW Code:	
TP210 NG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		
Moisture content:		
20%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **20% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.15 mg/kg		0.15 mg/kg	0.000015 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.13 mg/kg		0.13 mg/kg	0.000013 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
		205-912-4	206-44-0							
8	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00011 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP211 TPS



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

Sample details

Sample name:	LoW Code:	
TP211 TPS	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		
Moisture content:		
35%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **35% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.19 mg/kg		0.19 mg/kg	0.000019 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.06 mg/kg		0.06 mg/kg	0.000006 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
		201-581-5	85-01-8							
6	anthracene				0.08 mg/kg		0.08 mg/kg	0.000008 %		
		204-371-1	120-12-7							
7	fluoranthene				0.81 mg/kg		0.81 mg/kg	0.000081 %		
		205-912-4	206-44-0							
8	pyrene				0.73 mg/kg		0.73 mg/kg	0.000073 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.35 mg/kg		0.35 mg/kg	0.000035 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.56 mg/kg		0.56 mg/kg	0.000056 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.25 mg/kg		0.25 mg/kg	0.000025 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.26 mg/kg		0.26 mg/kg	0.000026 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:									0.00048 %		

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: TP211 NG

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

Sample details

Sample name:	LoW Code:	
TP211 NG	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		
Moisture content:		
26%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **26% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-917-1	208-96-8							
3	acenaphthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-469-6	83-32-9							
4	fluorene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-695-5	86-73-7							
5	phenanthrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		201-581-5	85-01-8							
6	anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-371-1	120-12-7							
7	fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-912-4	206-44-0							
8	pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					

#		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							
Total:								0.00008 %			

Key

	User supplied data
■	Determinand defined or amended by HazWasteOnline (see Appendix A)

Classification of sample: STOCKPILE ES1

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

Sample details

Sample name:	LoW Code:
STOCKPILE ES1	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
37%	Entry:
(no correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: **37% No Moisture Correction applied (MC)**

#	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							
1	naphthalene				0.63 mg/kg		0.63 mg/kg	0.000063 %		
	601-052-00-2	202-049-5	91-20-3							
2	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
3	acenaphthene				0.52 mg/kg		0.52 mg/kg	0.000052 %		
		201-469-6	83-32-9							
4	fluorene				0.42 mg/kg		0.42 mg/kg	0.000042 %		
		201-695-5	86-73-7							
5	phenanthrene				4 mg/kg		4 mg/kg	0.0004 %		
		201-581-5	85-01-8							
6	anthracene				0.73 mg/kg		0.73 mg/kg	0.000073 %		
		204-371-1	120-12-7							
7	fluoranthene				5.8 mg/kg		5.8 mg/kg	0.00058 %		
		205-912-4	206-44-0							
8	pyrene				5.1 mg/kg		5.1 mg/kg	0.00051 %		
		204-927-3	129-00-0							
9	benz[a]anthracene				2.5 mg/kg		2.5 mg/kg	0.00025 %		
	601-033-00-9	200-280-6	56-55-3							
10	chrysene				2.7 mg/kg		2.7 mg/kg	0.00027 %		
	601-048-00-0	205-923-4	218-01-9							
11	benzo[b]fluoranthene				3.1 mg/kg		3.1 mg/kg	0.00031 %		
	601-034-00-4	205-911-9	205-99-2							
12	benzo[k]fluoranthene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
	601-036-00-5	205-916-6	207-08-9							
13	benzo[a]pyrene; benzo[def]chrysene				2.8 mg/kg		2.8 mg/kg	0.00028 %		
	601-032-00-3	200-028-5	50-32-8							
14	dibenz[a,h]anthracene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
	601-041-00-2	200-181-8	53-70-3							
15	benzo[ghi]perylene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
		205-883-8	191-24-2							
16	indeno[123-cd]pyrene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
		205-893-2	193-39-5							
17	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.00324 %		

Key

- | | |
|---|---|
| | User supplied data |
| ■ | Determinand defined or amended by HazWasteOnline (see Appendix A) |

Classification of sample: STOCKPILE ES2

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

Sample details

Sample name:	LoW Code:
STOCKPILE ES2	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
38% (no correction)	

Hazard properties

None identified

Determinands

Moisture content: **38% No Moisture Correction applied (MC)**

#	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								
1	naphthalene				0.12 mg/kg		0.12 mg/kg	0.000012 %			
	601-052-00-2	202-049-5	91-20-3								
2	acenaphthylene				0.05 mg/kg		0.05 mg/kg	0.000005 %			
		205-917-1	208-96-8								
3	acenaphthene				0.06 mg/kg		0.06 mg/kg	0.000006 %			
		201-469-6	83-32-9								
4	fluorene				0.06 mg/kg		0.06 mg/kg	0.000006 %			
		201-695-5	86-73-7								
5	phenanthrene				0.47 mg/kg		0.47 mg/kg	0.000047 %			
		201-581-5	85-01-8								
6	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		204-371-1	120-12-7								
7	fluoranthene				0.86 mg/kg		0.86 mg/kg	0.000086 %			
		205-912-4	206-44-0								
8	pyrene				0.75 mg/kg		0.75 mg/kg	0.000075 %			
		204-927-3	129-00-0								
9	benz[a]anthracene				0.36 mg/kg		0.36 mg/kg	0.000036 %			
	601-033-00-9	200-280-6	56-55-3								
10	chrysene				0.4 mg/kg		0.4 mg/kg	0.00004 %			
	601-048-00-0	205-923-4	218-01-9								
11	benzo[b]fluoranthene				0.49 mg/kg		0.49 mg/kg	0.000049 %			
	601-034-00-4	205-911-9	205-99-2								
12	benzo[k]fluoranthene				0.19 mg/kg		0.19 mg/kg	0.000019 %			
	601-036-00-5	205-916-6	207-08-9								
13	benzo[a]pyrene; benzo[def]chrysene				0.41 mg/kg		0.41 mg/kg	0.000041 %			
	601-032-00-3	200-028-5	50-32-8								
14	dibenz[a,h]anthracene				0.05 mg/kg		0.05 mg/kg	0.000005 %			
	601-041-00-2	200-181-8	53-70-3								
15	benzo[ghi]perylene				0.2 mg/kg		0.2 mg/kg	0.00002 %			
		205-883-8	191-24-2								
16	indeno[123-cd]pyrene				0.22 mg/kg		0.22 mg/kg	0.000022 %			
		205-893-2	193-39-5								
17	confirm TPH has NOT arisen from diesel or petrol				☒						
Total:									0.00047 %		

Key

- | | |
|---|---|
| | User supplied data |
| ■ | Determinand defined or amended by HazWasteOnline (see Appendix A) |

Classification of sample: WS01

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

Sample details

Sample name:	LoW Code:
WS01	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20-0.40 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
12%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **12% No Moisture Correction applied (MC)**

#	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							
1	arsenic { arsenic pentoxide }				3.7 mg/kg	1.534	5.675 mg/kg	0.000568 %		
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium sulfate }				0.14 mg/kg	1.855	0.26 mg/kg	0.000026 %		
	048-009-00-9	233-331-6	10124-36-4							
3	chromium in chromium(III) compounds { chromium(III) oxide }				0.5 mg/kg	1.462	0.731 mg/kg	0.0000731 %		
		215-160-9	1308-38-9							
4	copper { copper(II) oxide }				20 mg/kg	1.252	25.036 mg/kg	0.0025 %		
	029-016-00-6	215-269-1	1317-38-0							
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	27 mg/kg		27 mg/kg	0.0027 %		
	082-001-00-6									
6	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.1 mg/kg		0.1 mg/kg	0.00001 %		
	080-002-00-6									
7	nickel { nickel sulfate }				20 mg/kg	2.637	52.734 mg/kg	0.00527 %		
	028-009-00-5	232-104-9	7786-81-4							
8	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				1.6 mg/kg	1.405	2.248 mg/kg	0.000225 %		
	034-002-00-8									
9	vanadium { divanadium pentaoxide; vanadium pentoxide }				18 mg/kg	1.785	32.133 mg/kg	0.00321 %		
	023-001-00-8	215-239-8	1314-62-1							
10	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				55 mg/kg	4.398	241.886 mg/kg	0.0242 %		
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
11	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
12	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
13	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							

#	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							
14	fluorene	201-695-5	86-73-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
15	phenanthrene	201-581-5	85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
16	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
17	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
18	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	benz[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	chrysene	601-048-00-0	205-923-4		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
22	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	TPH (C6 to C40) petroleum group		TPH		62 mg/kg		62 mg/kg	0.0062 %		
28	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.0451 %		

Key

	User supplied data
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

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 threshold of: 450 mg/kg (0.045%) because: Professional Judgement

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0062%)

Classification of sample: WS03

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

Sample details

Sample name:	LoW Code:
WS03	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20-0.40 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
21%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **21% No Moisture Correction applied (MC)**

#	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							
1	arsenic { arsenic pentoxide }				4.9 mg/kg	1.534	7.516 mg/kg	0.000752 %		
	033-004-00-6	215-116-9	1303-28-2							
2	cadmium { cadmium sulfate }				0.1 mg/kg	1.855	0.185 mg/kg	0.0000185 %		
	048-009-00-9	233-331-6	10124-36-4							
3	chromium in chromium(III) compounds { chromium(III) oxide }				0.5 mg/kg	1.462	0.731 mg/kg	0.0000731 %		
		215-160-9	1308-38-9							
4	copper { copper(II) oxide }				16 mg/kg	1.252	20.028 mg/kg	0.002 %		
	029-016-00-6	215-269-1	1317-38-0							
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	24 mg/kg		24 mg/kg	0.0024 %		
	082-001-00-6									
6	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.05 mg/kg		0.05 mg/kg	0.000005 %		
	080-002-00-6									
7	nickel { nickel sulfate }				19 mg/kg	2.637	50.097 mg/kg	0.00501 %		
	028-009-00-5	232-104-9	7786-81-4							
8	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				1.2 mg/kg	1.405	1.686 mg/kg	0.000169 %		
	034-002-00-8									
9	vanadium { divanadium pentaoxide; vanadium pentoxide }				31 mg/kg	1.785	55.341 mg/kg	0.00553 %		
	023-001-00-8	215-239-8	1314-62-1							
10	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				55 mg/kg	4.398	241.886 mg/kg	0.0242 %		
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
11	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
12	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
13	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							

#	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							
14	fluorene	201-695-5	86-73-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
15	phenanthrene	201-581-5	85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
16	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
17	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
18	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	benz[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	chrysene	601-048-00-0	205-923-4		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
22	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	TPH (C6 to C40) petroleum group		TPH		10 mg/kg		10 mg/kg	0.001 %		
28	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.0413 %		

Key

	User supplied data
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

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 threshold of: 450 mg/kg (0.045%) because: Professional Judgement

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.001%)

Classification of sample: WS07

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

Sample details

Sample name:	LoW Code:
WS07	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10-0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
27%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 27% No Moisture Correction applied (MC)

#	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								
1	arsenic { arsenic pentoxide }				12 mg/kg	1.534	18.407 mg/kg	0.00184 %			
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium sulfate }				0.39 mg/kg	1.855	0.723 mg/kg	0.0000723 %			
	048-009-00-9	233-331-6	10124-36-4								
3	chromium in chromium(III) compounds { chromium(III) oxide }				0.5 mg/kg	1.462	0.731 mg/kg	0.0000731 %			
		215-160-9	1308-38-9								
4	copper { copper(II) oxide }				45 mg/kg	1.252	56.33 mg/kg	0.00563 %			
	029-016-00-6	215-269-1	1317-38-0								
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	180 mg/kg		180 mg/kg	0.018 %			
	082-001-00-6										
6	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.14 mg/kg		0.14 mg/kg	0.000014 %			
	080-002-00-6										
7	nickel { nickel sulfate }				15 mg/kg	2.637	39.55 mg/kg	0.00396 %			
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				0.9 mg/kg	1.405	1.265 mg/kg	0.000126 %			
	034-002-00-8										
9	vanadium { divanadium pentaoxide; vanadium pentoxide }				24 mg/kg	1.785	42.844 mg/kg	0.00428 %			
	023-001-00-8	215-239-8	1314-62-1								
10	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				180 mg/kg	4.398	791.627 mg/kg	0.0792 %			
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
11	naphthalene				1 mg/kg		1 mg/kg	0.0001 %			
	601-052-00-2	202-049-5	91-20-3								
12	acenaphthylene				0.56 mg/kg		0.56 mg/kg	0.000056 %			
		205-917-1	208-96-8								
13	acenaphthene				1.3 mg/kg		1.3 mg/kg	0.00013 %			
		201-469-6	83-32-9								

#	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							
14	fluorene	201-695-5	86-73-7		1.1 mg/kg		1.1 mg/kg	0.00011 %		
15	phenanthrene	201-581-5	85-01-8		11 mg/kg		11 mg/kg	0.0011 %		
16	anthracene	204-371-1	120-12-7		2.8 mg/kg		2.8 mg/kg	0.00028 %		
17	fluoranthene	205-912-4	206-44-0		22 mg/kg		22 mg/kg	0.0022 %		
18	pyrene	204-927-3	129-00-0		22 mg/kg		22 mg/kg	0.0022 %		
19	benz[a]anthracene	601-033-00-9	200-280-6		10 mg/kg		10 mg/kg	0.001 %		
20	chrysene	601-048-00-0	205-923-4		10 mg/kg		10 mg/kg	0.001 %		
21	benzo[b]fluoranthene	601-034-00-4	205-911-9		9.2 mg/kg		9.2 mg/kg	0.00092 %		
22	benzo[k]fluoranthene	601-036-00-5	205-916-6		6.1 mg/kg		6.1 mg/kg	0.00061 %		
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		12 mg/kg		12 mg/kg	0.0012 %		
24	dibenz[a,h]anthracene	601-041-00-2	200-181-8		2.2 mg/kg		2.2 mg/kg	0.00022 %		
25	benzo[ghi]perylene	205-883-8	191-24-2		7.1 mg/kg		7.1 mg/kg	0.00071 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		7.2 mg/kg		7.2 mg/kg	0.00072 %		
27	TPH (C6 to C40) petroleum group		TPH		400 mg/kg		400 mg/kg	0.04 %		
28	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.166 %		

Key

	User supplied data
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

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 threshold of: 450 mg/kg (0.045%) because: Professional Judgement

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.04%)

Classification of sample: WS06

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

Sample details

Sample name:	LoW Code:
WS06	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50-0.60 m	
Moisture content:	
15%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **15% No Moisture Correction applied (MC)**

#	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								
1	arsenic { arsenic pentoxide }				6 mg/kg	1.534	9.203 mg/kg	0.00092 %			
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium sulfate }				0.13 mg/kg	1.855	0.241 mg/kg	0.0000241 %			
	048-009-00-9	233-331-6	10124-36-4								
3	chromium in chromium(III) compounds { chromium(III) oxide }				0.5 mg/kg	1.462	0.731 mg/kg	0.0000731 %			
		215-160-9	1308-38-9								
4	copper { copper(II) oxide }				31 mg/kg	1.252	38.805 mg/kg	0.00388 %			
	029-016-00-6	215-269-1	1317-38-0								
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	26 mg/kg		26 mg/kg	0.0026 %			
	082-001-00-6										
6	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.05 mg/kg		0.05 mg/kg	0.000005 %			
	080-002-00-6										
7	nickel { nickel sulfate }				39 mg/kg	2.637	102.831 mg/kg	0.0103 %			
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2.1 mg/kg	1.405	2.951 mg/kg	0.000295 %			
	034-002-00-8										
9	vanadium { divanadium pentaoxide; vanadium pentoxide }				35 mg/kg	1.785	62.481 mg/kg	0.00625 %			
	023-001-00-8	215-239-8	1314-62-1								
10	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				86 mg/kg	4.398	378.222 mg/kg	0.0378 %			
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
11	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
	601-052-00-2	202-049-5	91-20-3								
12	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		205-917-1	208-96-8								
13	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		201-469-6	83-32-9								

#	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							
14	fluorene	201-695-5	86-73-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
15	phenanthrene	201-581-5	85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
16	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
17	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
18	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	benz[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	chrysene	601-048-00-0	205-923-4		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
22	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	TPH (C6 to C40) petroleum group		TPH		32 mg/kg		32 mg/kg	0.0032 %		
28	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.0655 %		

Key

	User supplied data
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

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 threshold of: 450 mg/kg (0.045%) because: Professional Judgement

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0032%)

Classification of sample: WS08

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

Sample details

Sample name:	LoW Code:
WS08	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
29%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 29% No Moisture Correction applied (MC)

#	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								
1	arsenic { arsenic pentoxide }				17 mg/kg	1.534	26.076 mg/kg	0.00261 %			
	033-004-00-6	215-116-9	1303-28-2								
2	cadmium { cadmium sulfate }				0.26 mg/kg	1.855	0.482 mg/kg	0.0000482 %			
	048-009-00-9	233-331-6	10124-36-4								
3	chromium in chromium(III) compounds { chromium(III) oxide }				0.5 mg/kg	1.462	0.731 mg/kg	0.0000731 %			
		215-160-9	1308-38-9								
4	copper { copper(II) oxide }				29 mg/kg	1.252	36.302 mg/kg	0.00363 %			
	029-016-00-6	215-269-1	1317-38-0								
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	82 mg/kg		82 mg/kg	0.0082 %			
	082-001-00-6										
6	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.14 mg/kg		0.14 mg/kg	0.000014 %			
	080-002-00-6										
7	nickel { nickel sulfate }				13 mg/kg	2.637	34.277 mg/kg	0.00343 %			
	028-009-00-5	232-104-9	7786-81-4								
8	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				0.86 mg/kg	1.405	1.208 mg/kg	0.000121 %			
	034-002-00-8										
9	vanadium { divanadium pentaoxide; vanadium pentoxide }				28 mg/kg	1.785	49.985 mg/kg	0.005 %			
	023-001-00-8	215-239-8	1314-62-1								
10	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				120 mg/kg	4.398	527.751 mg/kg	0.0528 %			
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
11	naphthalene				0.19 mg/kg		0.19 mg/kg	0.000019 %			
	601-052-00-2	202-049-5	91-20-3								
12	acenaphthylene				0.15 mg/kg		0.15 mg/kg	0.000015 %			
		205-917-1	208-96-8								
13	acenaphthene				0.2 mg/kg		0.2 mg/kg	0.00002 %			
		201-469-6	83-32-9								

#	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							
14	fluorene	201-695-5	86-73-7		0.28 mg/kg		0.28 mg/kg	0.000028 %		
15	phenanthrene	201-581-5	85-01-8		1.3 mg/kg		1.3 mg/kg	0.00013 %		
16	anthracene	204-371-1	120-12-7		0.24 mg/kg		0.24 mg/kg	0.000024 %		
17	fluoranthene	205-912-4	206-44-0		3.1 mg/kg		3.1 mg/kg	0.00031 %		
18	pyrene	204-927-3	129-00-0		0.24 mg/kg		0.24 mg/kg	0.000024 %		
19	benz[a]anthracene	601-033-00-9	200-280-6		3.1 mg/kg		3.1 mg/kg	0.00031 %		
20	chrysene	601-048-00-0	205-923-4		3.3 mg/kg		3.3 mg/kg	0.00033 %		
21	benzo[b]fluoranthene	601-034-00-4	205-911-9		2 mg/kg		2 mg/kg	0.0002 %		
22	benzo[k]fluoranthene	601-036-00-5	205-916-6		3 mg/kg		3 mg/kg	0.0003 %		
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2 mg/kg		2 mg/kg	0.0002 %		
24	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.59 mg/kg		0.59 mg/kg	0.000059 %		
25	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		1.2 mg/kg	0.00012 %		
26	indeno[123-cd]pyrene	205-893-2	193-39-5		1.1 mg/kg		1.1 mg/kg	0.00011 %		
27	TPH (C6 to C40) petroleum group		TPH		41 mg/kg		41 mg/kg	0.0041 %		
28	confirm TPH has NOT arisen from diesel or petrol				☒					
Total:								0.0822 %		

Key

	User supplied data
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

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 threshold of: 450 mg/kg (0.045%) because: Professional Judgement

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0041%)

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
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 C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , 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 C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

■ confirm TPH has NOT arisen from diesel or petrol

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 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

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

Description/Comments: Data from ECHA's C&L inventory database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 30 Apr 2020

Hazard Statements: Acute Tox. 4; H302 , Skin Sens. 1; H317 , Eye Irrit. 2; H319

■ **lead compounds with the exception of those specified elsewhere in this Annex (worst case)**

GB MCL index number: 082-001-00-6

Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium

www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic pentoxide}

Worst case most likely species to be present

cadmium {cadmium sulfate}

Worst case species (edit as required)

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

most likely species to be present on site

copper {copper(II) oxide}

most likely species to be present on site

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Chromate unlikely to be found on site

mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}

most likely species to be present on site

nickel {nickel sulfate}

worst case most likely species to be present on site

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

most likely species to be present on site

vanadium {divanadium pentaoxide; vanadium pentoxide}

Only choice available

zinc {zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]}

Chromate unlikely to be on site

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021

HazWasteOnline Classification Engine Version: 2025.98.6557.11928 (08 Apr 2025)

HazWasteOnline Database: 2025.98.6557.11928 (08 Apr 2025)

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

Appendix C Waste License and Environmental Permit



Appendix D Waste Disposal Records



*Evidence of waste carrier registration and waste transfer or hazardous waste consignment notes for each removal of waste should be provided either as part of the plan, or filed and cross references

Appendix E Yorkshire and Lincolnshire Pollution Advisory Group guidance (YALPAG) Sampling & Testing Matrix



Appendix 1a – Sampling & Testing Matrix

Type	Number of Samples	Testing Schedule	Assessment Criteria
Please note that these guidelines apply to a typical residential development, and relaxation of the guidelines or more stringent requirements may apply dependent on local and site specific factors. Therefore, <u>all parameters need to be agreed with the Local Authority.</u>			
Virgin Quarried Material	1 or 2 depending on the type of stone utilised, to confirm the inert nature of the material.	Standard metals/metalloids (should include as a minimum As, Cd, Cr, CrVI, Cu, Hg, Ni, Pb, Se, Zn)	The assessment criteria need to be UK based, e.g. LQM S4ULs, Defra C4SLs or other similarly derived GACs.
Crushed Hardcore, Stone, Brick (excluding asphalt)	Minimum 1 per 500m ³	Standard metals/metalloids (as above), PAH (16 USEPA speciation), asbestos, total TPH. Any additional analysis dependant on the history of the donor site (e.g. phenol, total cyanide, BTEX, MTBE).	
Greenfield/ Manufactured Soils	Minimum 3 Dependent on source and receptor, between 1 per 50m ³ and 1 per 250m ³	Standard metals/metalloids (as above), PAH (16 USEPA speciation), asbestos, pH and soil organic matter (SOM) (or calculated from total organic carbon (TOC)).	
Brownfield/ Screened Soils	Minimum 6 Dependent on source and receptor, between 1 per 50m ³ and 1 per 100m ³	Standard metals/ metalloids (as above), PAH (16 USEPA speciation), TPH (CWG banded), asbestos, pH and SOM (or calculated from TOC). Any additional analysis dependant on the history of the donor site (e.g. phenol, total cyanide, BTEX, MTBE).	



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KEY

66.200 * Proposed Level.

FOE Flag on edge retaining.

RW Masonry Retaining Wall.
To be Highway Authority approved when within 3.6m of adoptable Highway.

UB Underbuild
(Extra facings below dpc)

GB Precast concrete gravel board

1/106 Approx drive/path/garden gradient

RISK ASSESSMENT	
SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT	
RISK	LEVEL OF RISK (H/M/L)
DEEP EXCAVATIONS ASSOCIATED WITH DEEP DRAINAGE WORKS	HIGH
HANDLING LARGE DIAMETER MANHOLE AND BOMMAYWAY RINGS	HIGH
CONTACT WITH BENEFITS/WORKERS IN CONFINED SPACES	MEDIUM
NOISE FROM MACHINERY	MEDIUM
EXCAVATIONS NEAR TO UTILITIES	HIGH
EXCAVATIONS IN PUBLIC HIGHWAY	HIGH
SUGGESTED ACTION	
ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FENCED OFF TO PROTECT FROM FALLS.	
USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.	
USE GAS DETECTORS/BREATHING EQUIPMENT AND ENSURE OPERATIVES WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.	
OPERATIVES TO WEAR THE CORRECT EAR PROTECTION.	
UTILITY MAPS TO BE INSPECTED AND APPARATUS LOCATED USING APPROPRIATE EQUIPMENT PRIOR TO EXCAVATION.	
ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FENCED OFF TO PROTECT FROM FALLS.	
ENSURE THE CORRECT DRAINAGE/TRAFFIC CONTROL IS USED.	
IT IS RECOMMENDED THAT RISKS ASSOCIATED WITH THE DESIGN WILL BE UNDERTAKEN BY A PERSON(S) WHO ARE COMPETENT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE.	

B	Layout updated	4-11-25	AST
A	Layout updated	22-7-25	AST
Rev	Details	Date	Drawn CHK

Newett Homes
Yew Tree Road
Birchencliffe, Huddersfield
External Works Plan

Dwg No. : STE/25/03/09 B
Date : 10-3-25
Scale : 1:200
Copyright © Shaun Tonge Engineering

SHAUNTONGE
ENGINEERING

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KEY

- ARP Sample Location June 2026
- JNP 'Hotspot' Location.
- Site Won Topsoil Stockpile.
- Site Won Tree Waste Mixed with Topsoil Stockpile.
- Site Won Clay Subsoil Stockpile.
- Site Won ' Hotspot ' Topsoil and Madeground Stockpile.



ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

Northwest House 5-6 Northwest Business Park* Servia Hill * Leeds LS6 2QH
Telephone : 0113 245 8498 Fax : 0113 244 3864* E-Mail : leeds@arpassociates.co.uk

Project
YEW TREE ROAD,
BIRCHENCLIFFE

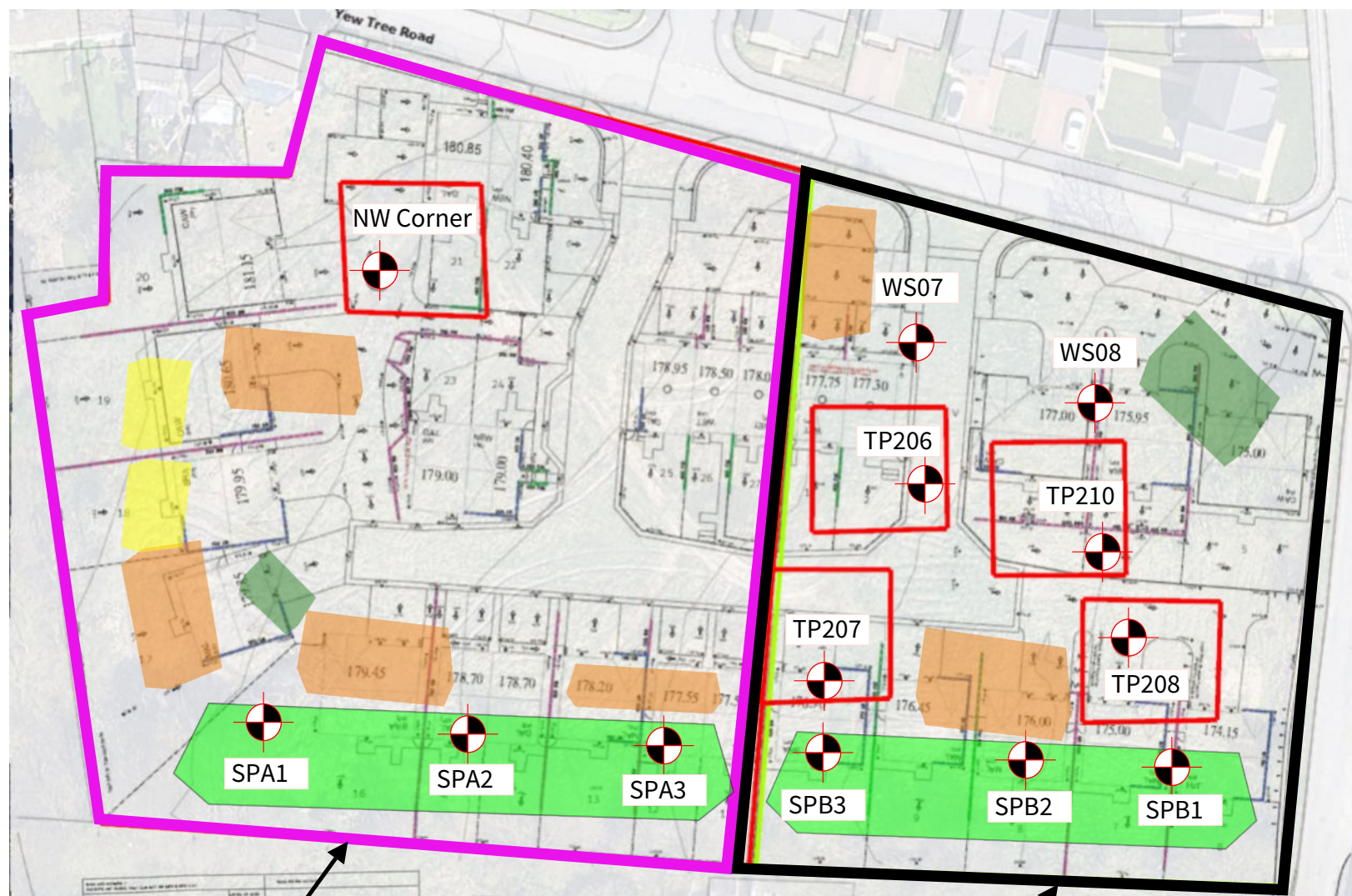
Client
NEWETT HOMES LTD

Title
STOCKPILE AND
SAMPLE LOCATION PLAN

Date
JUNE 2026

Drawn WW	Scale NOT TO SCALE
-------------	-----------------------

Job No. NET/09



'SITE A' BOUNDARY

'SITE B' BOUNDARY

NET/09 – YEW TREE ROAD, BIRCHENCLIFFE – - WS07 WS08, TP206, TP207, TP208 AND TP210 INSPECTION

ARP GEOTECHNICAL PHOTOGRAPHIC RECORD



Photograph: 1, Looking southeast across the 25m² excavation area at Location TP208. Area confirmed to have been stripped down to natural clay, June visit. (Right). Location of natural subsoil sample taken at locality June visit (Left).



Photograph: 2, Looking west across the 25m² excavation area at Location TP207. Area confirmed to have been stripped down to natural clay June visit (Right). Location of natural subsoil sample taken at locality June visit (Left).



Photograph: 3, Looking northwest across the 25m² excavation area at Location TP206. Area confirmed to have been stripped down to natural clay June visit (Right). Area has been disturbed by the commencement of works associated with installing site drainage. Location of natural subsoil sample taken at locality June visit (Left).



Photograph: 4, Looking northwest across the 25m² excavation area at Location TP210. Area confirmed to have been stripped down to natural clay, May visit (Right). Location of natural subsoil sample taken at locality June. Surface had been disturbed by the commencement of works associated with installing site drainage since May visit. (Left).



Photograph: 5, Looking southwest across the area at Location WS07. Area confirmed to have been stripped down to natural clay, June visit (Right). Location of natural subsoil sample taken at locality June visit (Left).



Photograph: 6, Looking south across the area at Location WS08. Area confirmed to have been stripped down to natural clay, June visit. Location of natural subsoil sample taken at locality. Arisings from drainage excavations in back ground.



Photograph: 7, Looking southwest across the area at Location SPB1, Site B won topsoil stockpile visible, June visit (Right). Location of natural subsoil sample taken at locality, June visit (Left).



Photograph: 8, Looking east across the area at Location SPB2, Site B won topsoil stockpile visible, June visit (Right). Location of natural subsoil sample taken at locality, June visit (Left).



Photograph: 9, Looking east across the area at Location SPB3, Site B won topsoil stockpile visible, June visit (Right). Location of natural subsoil sample taken at locality, June visit (Left).



Photograph: 10, Looking east across the area at Location SPA1, Site A won topsoil stockpile visible, June visit (Right). Location of natural subsoil sample taken at locality, June visit (Left).



Photograph: 11, Looking west across the area at Location SPA2, Site A won topsoil stockpile visible, June visit (Right). Location of natural subsoil sample taken at locality, June visit (Left).



Photograph: 12, Looking east across the area at Location SPA3, Site A won topsoil stockpile visible, June visit (Right). Location of natural subsoil sample taken at locality, June visit (Left).



Photograph: 13, Looking south general view across site from the northern boundary, June visit. Topsoil has been stripped and stockpiled on the southern boundary of the site visible along the rear of the photo.



Photograph: 14, Looking south general view across site from the northern boundary, June visit. Topsoil has been stripped and stockpiled on the southern boundary of the site visible along the rear of the photo.



Photograph: 15, Looking north general view across site from the southern boundary, May visit. Topsoil has been stripped and stockpiled on the southern boundary of from which the photo is taken on top of. A stockpile of unsuitable tree roots and topsoil in visible in the rear right of the photo. A stock pile of drainage arisings is visible in the foreground on the left.



Photograph: 16, Looking north general view across site from the southern boundary, May visit. Topsoil has been stripped and stockpiled on the southern boundary of from which the photo is taken on top of. A stockpile of tree roots mixed in with topsoil in visible in the rear right of the photo. A stock pile of drainage arisings is visible in the foreground on the left.



Photograph: 17, Looking west across the 25m² excavation area at Location NW Corner, May visit. Area confirmed to have been stripped down to natural clay, May visit (Right). Location of natural subsoil sample taken at locality, June visit.



Photograph: 18, Looking north general view across the separate Site A from the southern boundary, May visit. Topsoil has been stripped and stockpiled on the southern boundary of the site. Stockpile of unsuitable tree roots mixed in with topsoil visible at the front of the photo.



Photograph: 19, Looking northeast general view across the separate Site A from the southern boundary, May visit. Topsoil has been stripped and stockpiled on the southern boundary of the site visible in the foreground.

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i2 Analytical Ltd.
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t:

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e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-032838

Project / Site name:	Yew Tree Road, Birchcliffe	Samples received on:	09/06/2026
Your job number:	NET/09	Samples instructed on/ Analysis started on:	17/06/2026
Your order number:	NET/09	Analysis completed by:	01/07/2026
Report Issue Number:	1	Report issued on:	01/07/2026
Samples Analysed:	1 soil sample		



Signed: _____

Eric Crociquia
Customer Service
For & on behalf of i2 Analytical Ltd.

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

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

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

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

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 26-032838

Project / Site name: Yew Tree Road, Birchcliffe

Your Order No: NET/09

Lab Sample Number	955363			
Sample Reference	NW Corner			
Sample Number	None Supplied			
Water Matrix	N/A			
Depth (m)	0.10			
Date Sampled	05/06/2026			
Time Taken	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Mass of stone >10mm	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	17
Total mass of sample received	kg	0.1	NONE	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN
Analysis completed	N/A	N/A	N/A	01/07/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.5
Total Sulphate as SO ₄	mg/kg	50	MCERTS	310
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	62
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	30.8
Organic Matter (automated)	%	0.1	MCERTS	0.9

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

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

Analytical Report Number: 26-032838

Project / Site name: Yew Tree Road, Birchcliffe

Your Order No: NET/09

Lab Sample Number	955363			
Sample Reference	NW Corner			
Sample Number	None Supplied			
Water Matrix	N/A			
Depth (m)	0.10			
Date Sampled	05/06/2026			
Time Taken	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	2.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (III)	mg/kg	1	NONE	27
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	22
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	40

Petroleum Hydrocarbons

TPH (EC10 - EC40) EH_CU_10_TOTAL	mg/kg	10	MCERTS	< 10
---	-------	----	--------	------

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

Analytical Report Number : 26-032838

Project / Site name: Yew Tree Road, Birchenclyffe

* 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 *
955363	NW Corner	None Supplied	0.1	Brown clay and sand

Analytical Report Number : 26-032838

Project / Site name: Yew Tree Road, Birchenclyffe

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
Organic matter (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
Total sulphate (as SO ₄ 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
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
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	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 26-032838

Project / Site name: Yew Tree Road, Birchenclyffe

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
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.

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

The result for sum should be interpreted with caution

Analytical Report Number : 26-032838

Project / Site name: Yew Tree Road, Birchenclyffe

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
NW Corner	N/A	S	955363	c	Monohydric phenols in soil	L080-PL	c
NW Corner	N/A	S	955363	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
NW Corner	N/A	S	955363	c	Total petroleum hydrocarbons by GC-FID in soil	L076B	c

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Analytical Report Number : 26-030810

Replaces Analytical Report Number: 26-030810, issue no. 1
Additional analysis undertaken.
Asbestos Quantification added to sample 945070 as per client's request

Project / Site name:	Yew Tree Road, Birchencliffe	Samples received on:	09/06/2026
Your job number:	NET/09	Samples instructed on/ Analysis started on:	09/06/2026
Your order number:	NET/09	Analysis completed by:	13/07/2026
Report Issue Number:	2	Report issued on:	14/07/2026
Samples Analysed:	12 soil samples		

Signed:

Trevor Hill
Customer Service
For & on behalf of i2 Analytical Ltd.

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

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

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

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

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

Your Order No: NET/09

Lab Sample Number	945064	945065	945066	945067	945068
Sample Reference	TP208	TP207	TP206	TP210	WS07
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	0.10	0.10	0.10	0.10
Date Sampled	05/06/2026	05/06/2026	05/06/2026	05/06/2026	05/06/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	15	11	17	12
Total mass of sample received	kg	0.1	NONE	0.6	0.7	0.6	0.8	0.7

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	KJK	KJK	KJK	KJK	KJK
Analysis completed	N/A	N/A	N/A	24/06/2026	24/06/2026	24/06/2026	24/06/2026	24/06/2026
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	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.3	7.6	7.2	6.7	7.4
Total Sulphate as SO ₄	mg/kg	50	MCERTS	240	330	230	190	220
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	120	120	42	27	40
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	60.2	60	20.8	13.4	20
Organic Matter (automated)	%	0.1	MCERTS	0.5	0.9	1	1.1	1.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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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	0.07	< 0.05	< 0.05	< 0.05	0.07
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	0.12
Pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	< 0.05	0.11
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	< 0.05	0.08
Chrysene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	0.08
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	0.09
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Analytical Report Number: 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

Your Order No: NET/09

Lab Sample Number	945064	945065	945066	945067	945068
Sample Reference	TP208	TP207	TP206	TP210	WS07
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	0.10	0.10	0.10	0.10
Date Sampled	05/06/2026	05/06/2026	05/06/2026	05/06/2026	05/06/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.4	5	5.6	5.8	3.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	35	37	36	34	23
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	-	-	-
Chromium (III) by IC	mg/kg	1	NONE	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	35	37	36	34	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	28	48	21	27	9.4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31	46	26	24	21
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	19	21	21	38	9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.2	< 1.0	1.7	1.6	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	70	86	64	75	58

Petroleum Hydrocarbons

TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	11	< 10	< 10	< 10
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

Your Order No: NET/09

Lab Sample Number	945069	945070	945071	945072	945073
Sample Reference	WS08	SPB1	SPB2	SPB3	SPA1
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	0.10	0.10	0.10	0.10
Date Sampled	05/06/2026	05/06/2026	05/06/2026	05/06/2026	05/06/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	16	29	22	24
Total mass of sample received	kg	0.1	NONE	0.7	0.6	0.7	0.7	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KJK	KJK	SPU	SPU	SPU
Analysis completed	N/A	N/A	N/A	24/06/2026	24/06/2026	24/06/2026	24/06/2026	24/06/2026
Actinolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	Detected	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	< 0.001	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	Loose Fibres	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.9	6.5	7.5	5.8	8.3
Total Sulphate as SO ₄	mg/kg	50	MCERTS	240	690	1000	890	890
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	65	100	61	50	86
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	32.7	50.5	30.3	25.1	43.1
Organic Matter (automated)	%	0.1	MCERTS	0.7	6.6	9.9	7.4	7.5

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.14	0.21	0.17	0.17
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.09	0.27	0.11	0.18
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.18	0.67	0.3	0.34
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.14	0.65	0.21	0.27
Phenanthrene	mg/kg	0.05	MCERTS	0.28	1.8	7.8	3.1	3
Anthracene	mg/kg	0.05	MCERTS	0.06	0.38	2	0.71	0.62
Fluoranthene	mg/kg	0.05	MCERTS	0.3	3.5	11	8.2	5.8
Pyrene	mg/kg	0.05	MCERTS	0.26	3.2	9.6	7.5	5.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.14	1.7	4.6	3.5	3.1
Chrysene	mg/kg	0.05	MCERTS	0.13	2	4.6	3.7	3.2
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.13	2.2	6	4	4.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.07	1.1	2.4	2	2
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.13	2.3	5.6	3.8	4.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.06	1	2.2	1.8	1.9
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.25	0.58	0.3	0.52
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.08	1.3	2.7	2.2	2.4

Analytical Report Number: 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

Your Order No: NET/09

Lab Sample Number	945069	945070	945071	945072	945073
Sample Reference	WS08	SPB1	SPB2	SPB3	SPA1
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	0.10	0.10	0.10	0.10
Date Sampled	05/06/2026	05/06/2026	05/06/2026	05/06/2026	05/06/2026
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.64	21.2	61	41.5	37.4
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.7	17	18	25	22
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.5	0.7	0.6	0.6
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	U/S *U/S g	U/S *U/S g	U/S *U/S g	U/S *U/S g
Chromium (III)	mg/kg	1	NONE	30	U/S *U/S g	U/S *U/S g	U/S *U/S g	U/S *U/S g
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	< 1.80	< 1.80	< 1.80	< 1.80
Chromium (III) by IC	mg/kg	1	NONE	-	31	33	30	32
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	31	33	30	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	51	51	61	65
Lead (aqua regia extractable)	mg/kg	1	MCERTS	23	150	260	140	180
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.5	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	23	25	25	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	1.7	< 1.0	1.5
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	66	190	270	230	260

Petroleum Hydrocarbons

TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	26	68	230	160	160
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

Your Order No: NET/09

Lab Sample Number	945074	945075
Sample Reference	SPA2	SPA3
Sample Number	None Supplied	None Supplied
Water Matrix	N/A	N/A
Depth (m)	0.10	0.10
Date Sampled	05/06/2026	05/06/2026
Time Taken	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection Test Accreditation Status

Mass of stone >10mm	%	0.1	NONE	21.4	< 0.1
Moisture Content	%	0.01	NONE	16	19
Total mass of sample received	kg	0.1	NONE	0.4	0.5

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU
Analysis completed	N/A	N/A	N/A	24/06/2026	24/06/2026
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	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.1	7.4
Total Sulphate as SO ₄	mg/kg	50	MCERTS	1100	1100
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	170	230
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	85.7	115
Organic Matter (automated)	%	0.1	MCERTS	7.2	6.8

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.46	0.12
Acenaphthylene	mg/kg	0.05	MCERTS	0.1	0.25
Acenaphthene	mg/kg	0.05	MCERTS	0.82	0.27
Fluorene	mg/kg	0.05	MCERTS	0.61	0.27
Phenanthrene	mg/kg	0.05	MCERTS	6	4.1
Anthracene	mg/kg	0.05	MCERTS	2	0.58
Fluoranthene	mg/kg	0.05	MCERTS	9.4	6.4
Pyrene	mg/kg	0.05	MCERTS	8.4	5.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	4	2.6
Chrysene	mg/kg	0.05	MCERTS	4.1	3.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	4.8	3.5
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.8	1.8
Benzo(a)pyrene	mg/kg	0.05	MCERTS	4.3	3.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.8	1.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.47	0.4
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.1	1.9

Analytical Report Number: 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

Your Order No: NET/09

Lab Sample Number				945074	945075
Sample Reference				SPA2	SPA3
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.10	0.10
Date Sampled				05/06/2026	05/06/2026
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	51.1	35.8
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	17	18
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S ^{*U/S g}	U/S ^{*U/S g}
Chromium (III)	mg/kg	1	NONE	U/S ^{*U/S g}	U/S ^{*U/S g}
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80	< 1.80
Chromium (III) by IC	mg/kg	1	NONE	26	30
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	26	30
Copper (aqua regia extractable)	mg/kg	1	MCERTS	43	56
Lead (aqua regia extractable)	mg/kg	1	MCERTS	120	150
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.4	0.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	21	24
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.5	1.3
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130	160

Petroleum Hydrocarbons

TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	94	67
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: **26-030810**
Project / Site name: **Yew Tree Road, Birchenclyffe**
Your Order No: **NET/09**

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
945070	SPB1	0.1	118	Loose Fibres	Chrysotile	< 0.001	< 0.001	13/07/2026	KJK

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

Analytical Report Number : 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

* 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 *
945064	TP208	None Supplied	0.1	Light brown clay and sand with gravel and vegetation
945065	TP207	None Supplied	0.1	Light brown clay and sand with gravel and vegetation
945066	TP206	None Supplied	0.1	Light brown clay and sand with gravel and vegetation
945067	TP210	None Supplied	0.1	Light brown clay and sand with gravel and vegetation
945068	WS07	None Supplied	0.1	Brown clay and sand with gravel and vegetation
945069	WS08	None Supplied	0.1	Light brown clay and sand with gravel and vegetation
945070	SPB1	None Supplied	0.1	Brown clay and loam with gravel and vegetation
945071	SPB2	None Supplied	0.1	Brown clay and loam with gravel and vegetation
945072	SPB3	None Supplied	0.1	Brown loam and sand with gravel and vegetation
945073	SPA1	None Supplied	0.1	Brown loam and clay with gravel and vegetation
945074	SPA2	None Supplied	0.1	Brown sand with gravel and stones
945075	SPA3	None Supplied	0.1	Brown clay and sand with gravel and vegetation

Analytical Report Number : 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

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
Organic matter (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
Total sulphate (as SO ₄ 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
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
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	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
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

Analytical Report Number : 26-030810

Project / Site name: Yew Tree Road, Birchencliffe

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 by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	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.

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

The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

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:

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



6A6IX-UGFNI-PT8HC

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

Report is invalid if pages are removed.

Job name

ARP Yew Tree Road, Birchenclyffe

Description/Comments

Project

26-030810

Site

Yew Tree Road, Birchenclyffe

Classified by

Name: **Ryan Culpeck**
Date: **15 Jul 2026 14:43 GMT**
Telephone: **0117 370 4250**
Company: **MTS Environmental**
Unit 21, Filwood Green Business Park
1 Filwood Park Lane
Bristol
BS4 1ET

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:

CERTIFIED

Course

Hazardous Waste Classification

Date

05 Dec 2024

Next 3 year Refresher due by Dec 2027

Purpose of classification

2 - Material Characterisation

Address of the waste

Yew Tree Road, Birchenclyffe

Post Code **N/A**

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

C&D

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

Excavation

Description of the waste

Soil

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	SPB1		Non Hazardous		3
2	SPB2		Non Hazardous		5
3	SPB3		Non Hazardous		7

Related documents

#	Name	Description
1	HWOL PROGRAM	waste stream template used to create this Job

Report

Created by: Ryan Culpeck

Created date: 15 Jul 2026 14:43 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	9
Appendix B: Rationale for selection of metal species	10
Appendix C: Version	11

Classification of sample: SPB1

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

Sample details

Sample name: **SPB1** 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: None

#	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								
1	arsenic { arsenic trioxide }				17 mg/kg	1.32	22.446 mg/kg	0.00224 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				31 mg/kg	1.462	45.308 mg/kg	0.00453 %			
		215-160-9	1308-38-9								
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %			<LOD
	024-017-00-8										
5	copper { dicopper oxide; copper (I) oxide }				51 mg/kg	1.126	57.42 mg/kg	0.00574 %			
	029-002-00-X	215-270-7	1317-39-1								
6	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				23 mg/kg	2.976	68.454 mg/kg	0.00685 %			
	028-035-00-7	238-766-5	14721-18-7								
8	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								
9	sulfur { sulphur dichloride }				190 mg/kg	3.211	610.151 mg/kg	0.061 %			
	016-013-00-X	234-129-0	10545-99-0								
10	TPH (C6 to C40) petroleum group				68 mg/kg		68 mg/kg	0.0068 %			
			TPH								
11	pH				6.5 pH		6.5 pH	6.5 pH			
			PH								
12	naphthalene				0.14 mg/kg		0.14 mg/kg	0.000014 %			
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.09 mg/kg		0.09 mg/kg	0.000009 %			
		205-917-1	208-96-8								
14	acenaphthene				0.18 mg/kg		0.18 mg/kg	0.000018 %			
		201-469-6	83-32-9								
15	fluorene				0.14 mg/kg		0.14 mg/kg	0.000014 %			
		201-695-5	86-73-7								
16	phenanthrene				1.8 mg/kg		1.8 mg/kg	0.00018 %			
		201-581-5	85-01-8								

#	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							
17	anthracene	204-371-1	120-12-7		0.38 mg/kg		0.38 mg/kg	0.000038 %		
18	fluoranthene	205-912-4	206-44-0		3.5 mg/kg		3.5 mg/kg	0.00035 %		
19	pyrene	204-927-3	129-00-0		3.2 mg/kg		3.2 mg/kg	0.00032 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.7 mg/kg		1.7 mg/kg	0.00017 %		
21	chrysene	601-048-00-0	205-923-4	218-01-9	2 mg/kg		2 mg/kg	0.0002 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2.2 mg/kg		2.2 mg/kg	0.00022 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1.1 mg/kg		1.1 mg/kg	0.00011 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	2.3 mg/kg		2.3 mg/kg	0.00023 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1 mg/kg		1 mg/kg	0.0001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.25 mg/kg		0.25 mg/kg	0.000025 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		1.3 mg/kg		1.3 mg/kg	0.00013 %		
28	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
29	asbestos fibres detected (Yes/No)		ACM_FIBRES		Yes					
30	asbestos	650-013-00-6	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
Total:								0.0893 %		

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)
■	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection

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: 1000 mg/kg (0.1%) because: HP 3(i) can be discounted as waste is a solid without a free draining liquid phase

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0068%)

Classification of sample: SPB2

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

Sample details

Sample name: **SPB2** LoW Code: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Chapter: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Entry:

Hazard properties

None identified

Determinands

Moisture content: None

#	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								
1	 arsenic { arsenic trioxide }				18 mg/kg	1.32	23.766 mg/kg	0.00238 %			
	033-003-00-0	215-481-4	1327-53-3								
2	 cadmium { cadmium oxide }				0.7 mg/kg	1.142	0.8 mg/kg	0.00008 %			
	048-002-00-0	215-146-2	1306-19-0								
3	 chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				33 mg/kg	1.462	48.231 mg/kg	0.00482 %			
		215-160-9	1308-38-9								
4	 chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %			<LOD
	024-017-00-8										
5	 copper { dicopper oxide; copper (I) oxide }				51 mg/kg	1.126	57.42 mg/kg	0.00574 %			
	029-002-00-X	215-270-7	1317-39-1								
6	 mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	 nickel { nickel chromate }				25 mg/kg	2.976	74.407 mg/kg	0.00744 %			
	028-035-00-7	238-766-5	14721-18-7								
8	 selenium { nickel selenate }				1.7 mg/kg	2.554	4.342 mg/kg	0.000434 %			
	028-031-00-5	239-125-2	15060-62-5								
9	 sulfur { sulphur dichloride }				270 mg/kg	3.211	867.057 mg/kg	0.0867 %			
	016-013-00-X	234-129-0	10545-99-0								
10	 TPH (C6 to C40) petroleum group				230 mg/kg		230 mg/kg	0.023 %			
			TPH								
11	 pH				7.5 pH		7.5 pH	7.5 pH			
			PH								
12	naphthalene				0.21 mg/kg		0.21 mg/kg	0.000021 %			
	601-052-00-2	202-049-5	91-20-3								
13	 acenaphthylene				0.27 mg/kg		0.27 mg/kg	0.000027 %			
		205-917-1	208-96-8								
14	 acenaphthene				0.67 mg/kg		0.67 mg/kg	0.000067 %			
		201-469-6	83-32-9								
15	 fluorene				0.65 mg/kg		0.65 mg/kg	0.000065 %			
		201-695-5	86-73-7								
16	 phenanthrene				7.8 mg/kg		7.8 mg/kg	0.00078 %			
		201-581-5	85-01-8								

#	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							
17	anthracene	204-371-1	120-12-7		2 mg/kg		2 mg/kg	0.0002 %		
18	fluoranthene	205-912-4	206-44-0		11 mg/kg		11 mg/kg	0.0011 %		
19	pyrene	204-927-3	129-00-0		9.6 mg/kg		9.6 mg/kg	0.00096 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	4.6 mg/kg		4.6 mg/kg	0.00046 %		
21	chrysene	601-048-00-0	205-923-4	218-01-9	4.6 mg/kg		4.6 mg/kg	0.00046 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	6 mg/kg		6 mg/kg	0.0006 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	2.4 mg/kg		2.4 mg/kg	0.00024 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	5.6 mg/kg		5.6 mg/kg	0.00056 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.2 mg/kg		2.2 mg/kg	0.00022 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.58 mg/kg		0.58 mg/kg	0.000058 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.7 mg/kg		2.7 mg/kg	0.00027 %		
28	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
29	asbestos fibres detected (Yes/No)		ACM_FIBRES		No					
Total:								0.137 %		

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)
●	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection

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: 1000 mg/kg (0.1%) because: HP 3(i) can be discounted as waste is a solid without a free draining liquid phase

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.023%)

Classification of sample: SPB3

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

Sample details

Sample name: **SPB3** 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: None

#	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								
1	arsenic { arsenic trioxide }				25 mg/kg	1.32	33.008 mg/kg	0.0033 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %			
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				30 mg/kg	1.462	43.847 mg/kg	0.00438 %			
		215-160-9	1308-38-9								
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %			<LOD
	024-017-00-8										
5	copper { dicopper oxide; copper (I) oxide }				61 mg/kg	1.126	68.679 mg/kg	0.00687 %			
	029-002-00-X	215-270-7	1317-39-1								
6	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				25 mg/kg	2.976	74.407 mg/kg	0.00744 %			
	028-035-00-7	238-766-5	14721-18-7								
8	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								
9	sulfur { sulphur dichloride }				230 mg/kg	3.211	738.604 mg/kg	0.0739 %			
	016-013-00-X	234-129-0	10545-99-0								
10	TPH (C6 to C40) petroleum group				160 mg/kg		160 mg/kg	0.016 %			
			TPH								
11	pH				5.8 pH		5.8 pH	5.8 pH			
			PH								
12	naphthalene				0.17 mg/kg		0.17 mg/kg	0.000017 %			
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.11 mg/kg		0.11 mg/kg	0.000011 %			
		205-917-1	208-96-8								
14	acenaphthene				0.3 mg/kg		0.3 mg/kg	0.00003 %			
		201-469-6	83-32-9								
15	fluorene				0.21 mg/kg		0.21 mg/kg	0.000021 %			
		201-695-5	86-73-7								
16	phenanthrene				3.1 mg/kg		3.1 mg/kg	0.00031 %			
		201-581-5	85-01-8								

#	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							
17	anthracene	204-371-1	120-12-7		0.71 mg/kg		0.71 mg/kg	0.000071 %		
18	fluoranthene	205-912-4	206-44-0		8.2 mg/kg		8.2 mg/kg	0.00082 %		
19	pyrene	204-927-3	129-00-0		7.5 mg/kg		7.5 mg/kg	0.00075 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	3.5 mg/kg		3.5 mg/kg	0.00035 %		
21	chrysene	601-048-00-0	205-923-4	218-01-9	3.7 mg/kg		3.7 mg/kg	0.00037 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	4 mg/kg		4 mg/kg	0.0004 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	2 mg/kg		2 mg/kg	0.0002 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	3.8 mg/kg		3.8 mg/kg	0.00038 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.8 mg/kg		1.8 mg/kg	0.00018 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.3 mg/kg		0.3 mg/kg	0.00003 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		2.2 mg/kg		2.2 mg/kg	0.00022 %		
28	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
29	asbestos fibres detected (Yes/No)		ACM_FIBRES		No					
Total:								0.116 %		

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)
🧪	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection

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: 1000 mg/kg (0.1%) because: HP 3(i) can be discounted as waste is a solid without a free draining liquid phase

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.016%)

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from ECHACHEM; notifications <1% & outliers (H360, H413) ignored
Data source: <https://chem.echa.europa.eu/100.013.783/overview>
Data source date: 16 Mar 2026
Hazard Statements: Acute Tox. 4; H302, Skin Sens. 1; H317, Eye Irrit. 2; H319, Resp. Sens. 1; H334

■ **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

■ **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

■ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP.

Monohydric Phenol refers to a group of phenolic compounds that include phenol, the three methylphenol isomers (cresols) and the six di methylphenol isomers.

(CLP Index: 604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: Group Entry combining three CLP entries

Data source date: 18 May 2026

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 3; H311 , Acute Tox. 3; H331 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Muta. 2; H341 , STOT RE 2; H373 , Aquatic Chronic 2; H411

■ **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 trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds (edit as required)

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

chromium in Cr(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

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 {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. (edit as required) Worst case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected. (edit as required)

mercury {mercury dichloride}

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

nickel {nickel chromate}

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)

sulfur {sulphur dichloride}

Worst case species (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2026.165.7172.12905 (14 Jun 2026)

HazWasteOnline Database: 2026.165.7172.12905 (14 Jun 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