PHASE 2 REPORT ON A SITE INVESTIGATION

Site

UNITS 6, 7 & 8 BERRITE ESTATE,
IRON BRIDGE ROAD SOUTH,
WEST DRAYTON,
GREATER LONDON UB7 8HY

Client

BERRITE LTD

Report Ref
25/12285/B/GO

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

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REPORT REF: 25/12285/B/GO
CONTRACT: IRON BRIDGE ROAD SOUTH, WEST DRAYTON

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1 INTRODUCTION

1.1 Aims and Objectives

The client proposes to undertake a commercial redevelopment following the demolition of the existing redundant works structures at Units 6, 7 and 8 Berrite Estate, Iron Bridge Road South, West Drayton ("the site"). Accordingly, an exploratory investigation into ground conditions has been made to assess the impact from this historical usage and to obtain data to inform a risk assessment from historical land contamination.

Geotechnical testing and interpretation did not form part of this investigation and lies outside the scope of this report. We understand that the proposed structures are to be piled and that as part of the proposal, approximately 1.00m of made ground will be excavated and removed from site. The exception is along the northern boundary with the canal, where material will be retained to maintain the stability of the existing canal wall.

1.2 Background

A previous investigation was undertaken in January 2022, which comprised two boreholes to 20.00m depth in order to assist with piled foundation design. A previous Phase 1 Desk Study, undertaken by Albury S.I. Ltd in January 2025, identified potentially contaminative past uses and should be read in conjunction with this report. Briefly, the site was occupied by the Hillingdon Varnish Works from 1868, later occupied by vehicle body repairs and maintenance works.

1.3 Scope of Works

The programme of this investigation comprised the construction of six boreholes using hand-held window sampling techniques. During this work samples were recovered for further examination and laboratory testing, with samples screened for the presence of volatile hydrocarbons using a hand-held PID meter. Upon completion of three of the boreholes standpipes were installed to facilitate long-term ground gas monitoring.

This report describes the work undertaken, presents the information obtained and discusses the ground conditions with respect to the long-term risks from land contamination.

2 FIELDWORKS

2.1 Site Works

The boreholes were constructed on 28th January 2025 at locations as shown on the site plan, drawing no. 25/12285/B/1, which is presented as Figure 1. The exploratory positions A to D were located to target the northern portion of the site where soils are to be retained on site in order to provide continued support to the existing canal and as part of the proposed landscaping scheme. Borehole E was located within the footprint of the oldest structure on site, which was historically part of the varnish works. Borehole F was located within the vehicle body repair workshop within the vicinity of existing inspection pits. The positions of the previous boreholes 1 and 2 are also shown for reference.

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

2.2 Installations

Upon completion of boreholes A, E and F monitoring wells were installed in order to carry out long-term ground gas monitoring. These comprised of slotted pipe which was extended to depths of 1.52 to 2.85m, with casing between ground level and 0.50m with bentonite surround or annulus. An existing installation was also noted during the walkover survey and this extends to 4.00m depth. The position is shown on the site plan, however, no further details are known.

3 GROUND CONDITIONS

3.1 Geology

Reference has been made to the previous desk study and investigation, which indicates the following geological sequence.

Examination of the digital BGS Geoindex of the artificial, superficial and bedrock mapping layers at 1:50,000 scale reveals Infilled Ground to the north and Worked Ground to the south. The site itself is indicated to be underlain by the Langley Silt Member, formerly Brickearth, of recent or Quaternary age and rests upon the Lynch Hill Gravel Member of Pleistocene age. These superficial deposits conceal the London Clay Formation of the Eocene epoch.

The previous boreholes encountered 2.00m and 2.75m of made ground, with coarse to cobble-sized fragments of fused man-made fragments noted between 1.00m and 2.75m at one location. Sandy clay, indicative of the Langley Silt Member, was encountered below the made ground to a depth of 5.50m within borehole 1 with the Lynch Hill Gravel Member extending to 4.70m at borehole 2. The London Clay Formation was proved beneath these superficial deposits to the concluding depths of the boreholes at 20.00m.

3.2 Stratigraphy

Consideration of the exploratory records indicates that either vegetation or concrete at surface over made ground, comprising brown silty sand and variable amounts of gravel of variable composition, was proved to depths of 1.30m, 1.40m and 2.00m at boreholes E, B and C. The made ground contains significant proportions of fused man-made fragments, present from surface to 0.50m at borehole B and to 0.40m at borehole C, below 1.40m at borehole A and to 1.70m within borehole F. The exact origin of this material is unclear, however it is not soil or rock.

Further possible disturbed or made ground was encountered within borehole C in the form of yellowish brown and pale grey slightly sandy silty clay with occasional roots, which extended to 2.50m. The full depth of made ground was not proven at boreholes A and D due to obstructions at 1.75m and 1.50m, with borehole F concluded within cohesive made ground at 3.10m.

Brown or yellowish brown and grey slightly gravelly sandy very silty clay was exposed beneath the made ground at boreholes B, C and E. These cohesive soils are indicative of the Langley Silt Member and these locations were terminated within this deposit, which becomes gravelly below 2.60m at borehole E, at depths of 2.10m and 3.10m.

3.3 Groundwater

During the construction of boreholes C and E groundwater strikes were recorded at 2.40m and 2.50m depths. Short-term standing water levels upon completion of boreholes C, E and F of between 1.75m, 2.13m and 2.15m were recorded. Boreholes A, B and D remained dry throughout.

3.4 Monitoring

Return visits were made to monitor the standpipes on 5th February, 3rd March and 17th March 2025 and the water levels recorded are summarised below. The standpipe installed by others and located in the area of borehole C contained standing water at 1.15m below ground level on the initial visit. The monitoring data is discussed in section 5.

Table 1 – Summary of Monitoring		
Date of Visit	**Location**	**Depth to water (m)**
5th February 2025	A	None
	E	1.38
	F	2.13
3rd March 2025	A	None
	E	1.38
	F	2.16
17th March 2025	A	None
	E	1.67
	F	2.25

3.5 PID screening

The samples obtained were subjected to screening or measurement of soil vapours [VOC] using a PhoCheck Tiger XTL PID meter with 10.6 eV Krypton PID lamp. The composite sample is placed within a sealed plastic bag with a limited air space (headspace) which allows vapours to enter following agitation of the sample bag. The headspace is then measured using the PID meter and the results recorded in ppm as an indicative total VOC.

The maximum TVOC recorded during this work was within borehole E between 1.00m and 3.00m ranging from 50ppm to 450ppm, associated with hydrocarbon staining and odour. A reading 75ppm was also recorded at 1.50m within borehole F, however the remaining locations ranged between 0.2ppm and 1.0ppm, typical of background concentrations.

4 LABORATORY TESTING

Representative samples of the near surface soils from 0.10m to 0.25m were submitted for geochemical testing at the UKAS accredited laboratories operated by i2 Analytical Ltd and the results are presented as Appendix 2. The testing comprises a suite of typical inorganic and organic priority contaminants including metals, PAH, TPH CWG and an asbestos screen.

Based upon the results of PID screening the samples from borehole E at 1.50m, 2.00m and 3.00m were subjected to TPH CWG and VOC suite of analysis. Due to a positive ID of asbestos, the sample from borehole E at 0.25m was automatically subjected to quantification analysis, with 0.094% of the sample comprising chrysotile in the form of woven products (rope, felt).

5 GROUND CONTAMINATION

A Conceptual Site Model (CSM) was formulated for this site as part of the Phase 1 Desk Study, which informed the current Phase 2 intrusive investigation and is presented in tabular form below.

Table 2 - Preliminary Conceptual Site Model

Source(s)	Potential Pathway(s)	Receptor(s)	Risk Level
Potentially infilled land and historic landfill to the north - *ground gases: carbon dioxide and methane* Car Body Repairs & Coatings - *VOC vapours*	Migration, ingress and accumulation	Proposed buildings, existing buildings	Low
Former varnish works and existing coatings, vehicle spraying and car body repairs/maintenance Petroleum Hydrocarbons *(Aliphatic and Aromatic Compounds including toluene and BTEXs), Heavy Metals* Paint Spraying, Cleaners/Degreasers - Organic Solvents, Chlorinated Hydrocarbons *(SVOC and VOC)* Made ground associated with demolished structures and infilled pond on site *ACM, PAH and heavy metals*	Dermal Contact, Ingestion and Inhalation	Site Workers, Commercial Workers	Low to moderate
	Leaching	Principal Aquifer, Potable Water Supply Pipes	Low to moderate
	Principal Aquifer	Grand Union Canal	Low
ACM (Asbestos) with existing building fabric	Inhalation	Demolition and Site Workers	To be assessed in pre-demolition building survey and managed accordingly

5.1 Human Health

A generic assessment of the chronic or long-term risk to human health from soil contamination has been made using the available generic screening criteria. The screening

values include the Category 4 Screening Levels [C4SLs] (DEFRA, 2014) and Suitable for Use Levels [S4ULs] (LQM/CIEH, 2014) derived using the CLEA software. It should be appreciated that these do not consider the short-term or acute risks, such as to construction workers or SI personnel.

The results have been compared with the GAC for the continued Commercial/Industrial land-use category and 1% SOM. A comparison of the results against the GAC does not reveal any exceedances and specific remedial measures are not necessary as part of the proposed development. The proposed layout is included in Figure 2 to this report.

An exception was an isolated positive identification of woven products (rope, felt) of chrysotile asbestos, which has been quantified as 0.094% of the sample. The risk level is deemed to be negligible based upon the JIWG decision tool. Nevertheless, given the history of the site appropriate PPE and RPE should be worn by operatives during the reduced level excavation. Further guidance is given in the publication (CL:AIRE, 2016) "Control of Asbestos Regulations 2012 - Interpretation for Managing and Working with Asbestos in Soil and Construction and Demolition Materials: Industry guidance".

The proposal will entail the removal of 1.00m of made ground to facilitate the proposed piled foundations. However, material will be retained adjacent to the canal to provide lateral support for the duration of the proposed works. The site presently has little or no useable topsoil or subsoil and it will be necessary, once the enabling and piling works have been completed, to incorporate a suitable thickness of clean subsoil and topsoil in areas of proposed soft landscaping. A minimum thickness of 300mm would be sufficient to support turf, however greater thicknesses may be necessary dependent upon the landscaping scheme or for shrubs or trees. Any imported topsoil/subsoil should be from an approved source, with quality testing provided to confirm it is suitable for the intended use.

Given most of the external areas are covered by structures or concrete, any visual evidence of historical contamination can be concealed. Thus, it would be advisable that the site manager maintain a discovery strategy or watching brief during the lifting of hardstanding and reduced level excavation. Should any gross contamination be identified following the enabling works, they should be fully investigated by a competent person to ensure that the correct remedial measures are employed if considered necessary.

The watching brief would comprise the regular inspection of all excavations. If any grossly contaminated areas are revealed, such as oily material or soils of unusual colouration or odour are identified, then the following procedures should be adopted:

- Work to cease in that area.

- Notify the geoenvironmental engineer to attend site and carry out sampling and testing of suspected contaminated material, which should be segregated and stockpiled within a bunded area and covered to prevent rainfall infiltrating.

- Photographic evidence of all stages of the development, particularly of any excavations, should be routinely kept and retained. Detailed records of any stockpiled material, its size and location, together with any duty of care transfer notes. Where necessary, this information should be incorporated within the final validation report.

5.2 Controlled Waters

The site is underlain by a principal aquifer, which corresponds with the Lynch Hill Gravel member present at depth beneath the Langley Silt Member, a non-aquifer. Given the continued commercial/light industrial use of the site within an established industrial area, specific remedial measures with respect to groundwater and surface waters (canal), are not thought to be necessary as no significant concentrations of mobile contaminants were recorded.

The use of piled foundations could provide preferential pathways for contaminant transport and vertical migration, however the piles will terminate within the London Clay Formation, which is a non-aquifer or aquiclude and not at risk from this method.

5.3 Preliminary Waste Assessment

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

An initial assessment of the geochemical results obtained from this investigation has been carried out to provide a preliminary classification of the surplus materials. The HazWaste Online tool determines whether waste soil should be classified as being non-hazardous or hazardous. The output from the HazWaste assessment is located in Appendix 3. Asbestos or ACM in the form of Woven Products (Rope, Felt) was detected in the sample screened at borehole E at 0.25m. Based on the output waste soil arisings from this site have been tentatively identified as being generally non-hazardous waste, with the exception of borehole C at 0.10m due to the concentrations of lead and zinc. The highly alkaline pH of 12.2 of the man-made material at borehole B at 0.10m would also be deemed hazardous and may require further assessment to classify as non-hazardous.

This assessment is preliminary and based upon the information obtained from the investigation. Where made ground is excavated then these materials should be stockpiled and segregated. Further sampling, testing and characterisation to accurately classify waste soil arisings may be required. It should be appreciated that it is the responsibility of the waste producer to sufficiently characterise their waste. Moreover, the agreement of the waste acceptor should be sought.

If hazardous material is to be disposed at a licensed waste landfill site then supplementary waste acceptance criteria [WAC] testing may also be required. Confirmation should be sought from the relevant licensed waste handler or landfill operator.

5.4 Potable Water Supply Pipes

The advice and requirements of the water supply company should be sought to determine their requirements with regard to the specification for incoming potable water supply pipes. Given the history of the site, it is recommended to incorporate hydrocarbon resistant barrier pipe for incoming potable water supplies.

5.5 Ground Gases & Vapours

The desk study highlighted a potential risk posed by ground gas generation from infilled land and landfill within 250m to the north, as well as volatile hydrocarbon vapours. Consequently, three standpipes were installed across the site and a regime of monitoring was undertaken.

Three visits have been made to date to monitor the standpipes and the results of the monitoring are included in Appendix 4. The results have been reviewed in accordance with BS 8485 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings'.

The hazardous gas flow rate has been determined based upon the worst case from these monitoring visits, which are a carbon dioxide of 0.60% together with a flow of 0.1l/h (zero).

Q_{hg}	=	$(C_{hg}/100)q$
Q_{hg}	=	$(0.6/100) \times 0.1$
Q_{hg}	=	0.0006 l/h
where:		
Q_{hg}	=	calculated hazardous gas flow rate/gas screening value
C_{hg}	=	measured hazardous gas concentration
q	=	measured flow rate

Based upon the calculated gas screening value of 0.0006 litres/hour, the hazard potential of the site can be considered very low or characteristic gas situation 1. Therefore, no remedial or specific protection measures will be required regarding bulk ground gases. However, the PID monitoring detected 56.8ppm total VOC within monitoring position E. In order to quantify the total VOC recorded and its extent beneath the front of the building it would be necessary to carry out further investigation and a detailed risk assessment, possibly by way of sorbent tubes installed through the floor slab. The individual concentrations of VOCs could then be assessed against the respective HSE occupational workplace exposure limits. It is still possible that the results of the further investigation could indicate that remedial measures will be required.

Current guidance indicates that six monitoring rounds should be undertaken to fully classify this site in terms of its ground gas regime. However, in view of the ground conditions revealed, the low gas levels recorded over the three visits and zero flow, it is considered that the site has been adequately assessed by the three visits undertaken to date.

6 SUMMARY

This investigation has revealed volatile organic compounds (VOC) beneath the east of the site. It is considered that these contaminants can be dealt with as part of the ongoing redevelopment of the site. The proposed is for continued commercial/light industrial use and specific remedial measures are not necessary. However, should sensitive receptors such as children be proposed users of the site, for example, a day nursery use or gyms, then consideration should be given to either further detailed vapour assessment or the incorporation of vapour barrier as a precautionary approach.

It may be a requirement of the Local Authority to provide a formal Remediation Strategy for the site. Consequently any remedial measures should be agreed with the Local Authority prior to implementation, to ensure that it meets with their approval.

During the demolition phase and reduced level excavation a discovery strategy with photographic record should be maintained and if gross contamination is revealed then further testing and investigation may be required.

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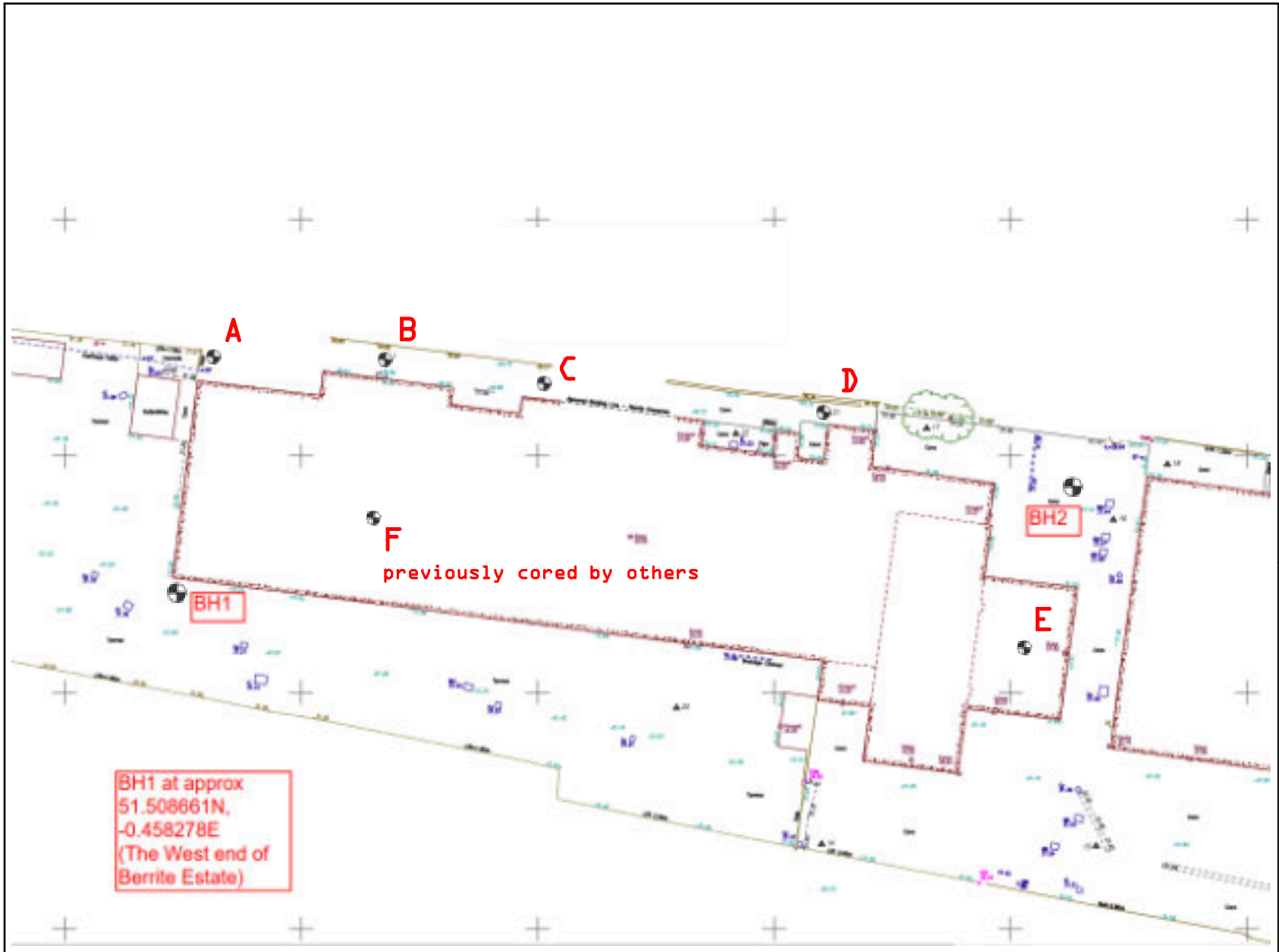
LIST OF ABBREVIATIONS

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

FIGURE 1

SITE PLAN



Legend:

Borehole Location

Title:	Site Plan
Dwg No:	25/12285/B/1
Drawn by:	GO
Client:	Berrite Ltd
Contract:	Iron Bridge Road South, West Drayton
Job Ref:	25/12285/B/GO
Scale:	NTS
Revision:	0
Issue Date:	21/03/2025

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FIGURE 2

PROPOSED LAYOUT

PLANTING NOTES

1. Generally
- Where appropriate all relevant British Standards shall apply.
- Imported soils shall be compliant with BS:3882: 2015
- Imported subsoils shall be compliant with BS:8601: 2013
- Imported soils (subsoil & topsoil) shall be from an AS DUG source
- Manufactured soils SHALL NOT BE ALLOWED.
- Soil test certificate(s) in accordance with the BS shall be required.
- Tree Planting: shall be compliant with BS 8545:2014
- Planting Stock shall be compliant with BS 3936. Plants shall be transported in accordance with the JCLI Plant Handling Code
- Planting operations shall be carried out in accordance with the relevant sections of BS4428:1989
- Planting operations shall take place during the planting season Nov–March unless otherwise agreed.
- Seeding operations shall take place between March – September in appropriate dry conditions but when rain is forecast.
- No planting or seeding operations shall take place in freezing or wet conditions
- No chemicals shall be used for the control of canalside vegetation without CA approval and confirmation that a licence has been obtained from the Environment Agency
- For all hardworks, refer to architects / engineers drawings
- For all engineering works / locations of utilities, including surface water and foul drainage refer to engineers dngs. It shall be a strict requirement, prior to the works commencing in any area, that all utilities, below and overground shall be identified and any potential conflicts with the works resolved with the CA.
- Allow Root Barriers to trees if required by the CA and agree there location(s) and extent

2. Site Clearance
- For site clearance and matters concerning remediation requirements refer to information supplied by others – Architects / Engineers

3. Planting Bed Preparation
- Prior to spreading soils the formation depth of each area shall be confirmed and agreed with the CA. The formation grades shall be uncompacted allowing adequate drainage

4. Imported soils
- Shall be supplied, spread and prepared as follows:

Tree Pits (Ref DtL1)
- Subsoil min 300mm
- Topsoil min 300mm

Shrub Beds / Informal Hedging (Ref DtL2)
- Subsoil min 300mm – loosely spread and lightly compacted
- Topsoil min 300mm – loosely laid, graded and stone picked and cultivated incorporating 30% by volume green compost to PAS 100, A proprietary slow-release fertiliser shall be applied and raked into the soil surface at manufacturers recommended rates.

Species Rich Grassland / Wildflora (Ref DtL1)
Subsoil min 200mm
- The areas for wildflora shall be cultivated to a fine tilth, stone picked, and graded in dry conditions in accordance with best practice, Fertilisers shall not be used.

Rain Garden (Ref DtL3)
- Surface Material shall be 70 / 30 Sand / Subsoil Mixture min 150mm depth

5. Planting Specification

Specimen Tree Planting
- Species shall be as indicated
- At locations shown trees shall be planted sized as Selected Standard (SS) Trees 10–12cm girth Rootballed trees
- Trees shall be planted in prepared pits as indicated DtL 1.

Shrub Planting
- Species shall be as indicated
- Planted at a rate of 3 plants per m.sq

Informal Hedgerow
- Species shall be as indicated
- Planted at a rate of 3 plants per m.sq in species groups of not less than 3.

Groundcover Planting
- Species shall be as indicated
- Planted at a rate of 3 plants per m.sq throughout the area indicated

Watering & Mulching
- After planting all trees, hedgerows and shrub beds shall be thoroughly watered and then mulched with an ornamental grade bark mulch to a depth of 75mm.

Species Rich Grassland / Wildflora
- The seed suppliers growing guide shall be strictly adhered to, in particular with regard to soil preparation and obtaining a weed free seed bed
- Seed mixture shall be Germinal WF3 General Purpose Meadow mixture premixed with A4 Low maintenance grass seed mixture
- Seed Mixture for Rain Garden shall be Germinal WF9 for Wetland Areas
- Obtain confirmation of Seed Mixture from the CA prior to ordering and sowing
- Sow seed in autumn or spring in dry conditions when rain is forecast. Sow seed at suppliers recommended rates

6. Establishment Maintenance

Generally
- The maintenance of the landscape softworks shall be continued for a period of 5 years post completion. The following operations shall be included:
  - Litter picking (10x pa)
  - Replacement of failed plants annually (x1)
  - Weeding (10x pa)
  - Mowing (x2)
  - Pruning & Hedge Cutting (x2)
  - Watering (during droughts allowing 4x pa)

Trees
- Allow pruning dead dying or diseased wood annually removing arising's
- Allow replacing/re-fixing tree stakes and ties and removal of these at Year 5

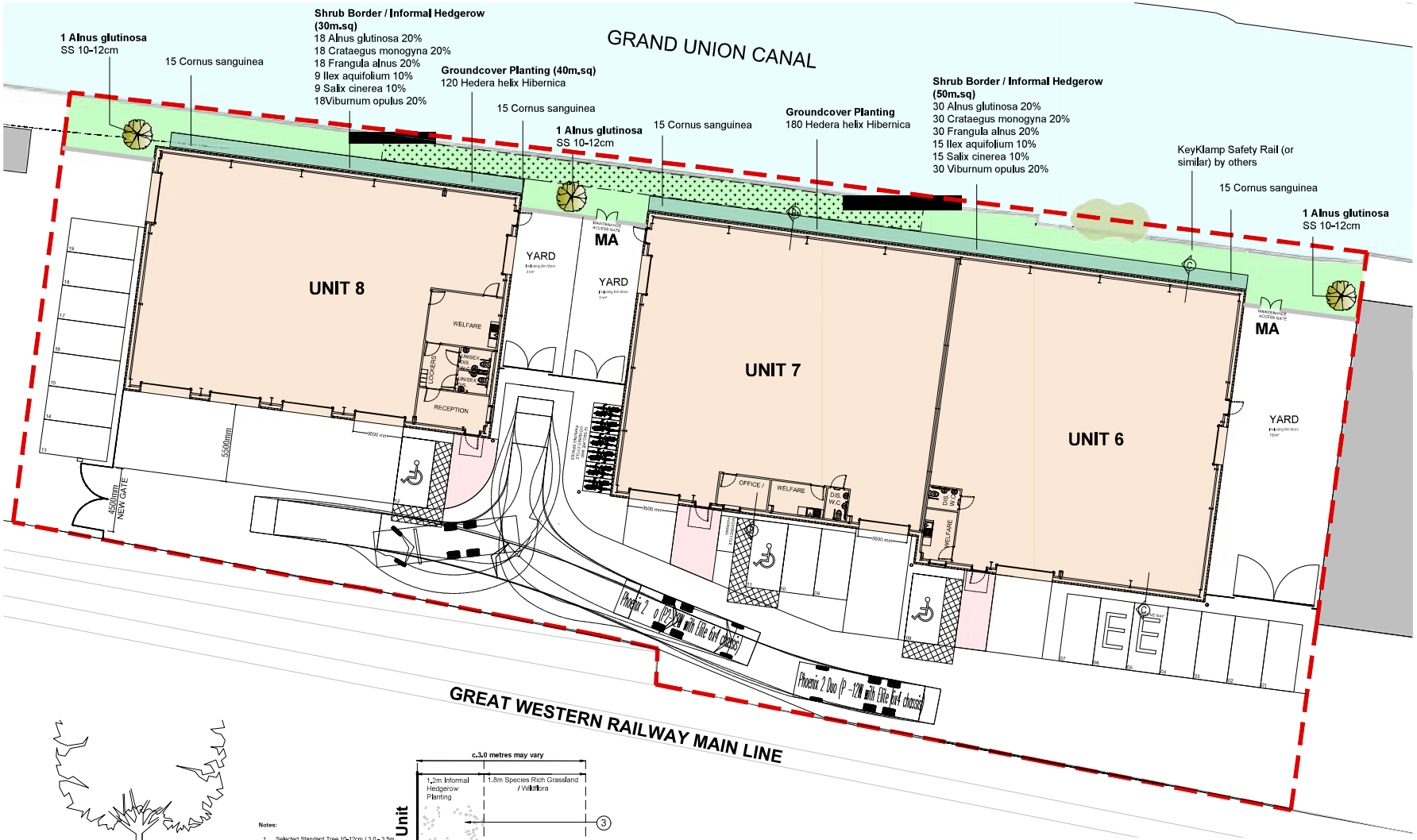
Informal Hedgerows
- Allow facing up of hedgerows 2 x annually avoiding the Bird Nesting Season 1st Mar – 30th Sept inc.) in late Autumn and late Winter. Allow vertical growth for first 2 seasons after planting, thereafter topping off of hedgerow at 2.0m height

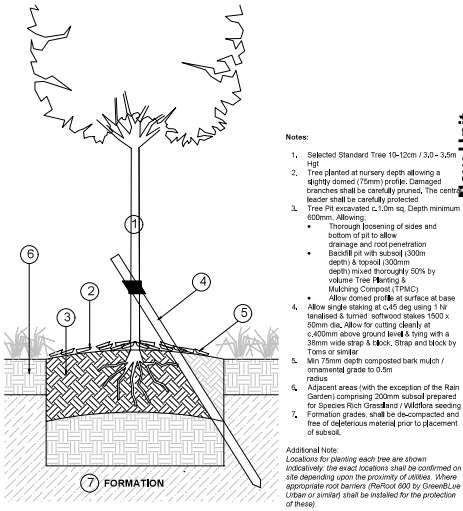
Cornus Sp
- Allow to freely grow for first 2 seasons, thereafter stooling annually in late winter cutting stems to ground
- Remove arising's

Species Rich Grassland / Wildflora inc. Rain Garden
- Allow 1 cut in late spring (end of May)
- Allow 1 cut in late summer (end of September)
- Timing of cuts shall be to follow flowering in dry conditions. Allow removal of all arising's from site.

PLANT SCHEDULE

SPECIES	PLANTED	SPECIFICATION	NO
TREES			
Alnus glutinosa	Locations AS and as DtL1	Feathered 8–10cm / 1,8m Hgt Rootballed	3
Informal / Naturalistic Hedgerows (80m.sq)			
Alnus glutinosa 20%	Planted in species groups of not less than 3 at 3 plants per m.sq	BR Transplant 40–60cm	48
Frangula alnus 20%		3L Pots 40–60cm	48
Crataegus monogyna 20%		BR Transplant 40–60cm	48
Ilex aquifolium (10%)		3L Pots 40–60cm	24
Salix cinerea (10%)		3L Pots 40–60cm	24
Viburnum opulus (20%)		3L Pots 40–60cm	48
Shrub Planting (20m.sq)			
Cornus sanguinea	3/m.sq	BR Transplant 40–60cm	60
Groundcover Plants (100m.sq)*			
Hedera helix Hibernica	3/m.sq	2L Pots	300
Species Rich Grassland / Wildflora			
By Germinal UK: Ref WF3 Wildflora General Purpose Meadow Mix with A4 Grass seed mixture for low maintenance areas pre-mixed and sown at recommended rates strictly in accordance with suppliers recommendations For Rain Gardens: By Germinal UK: Ref WFG9 for Wetland Areas			

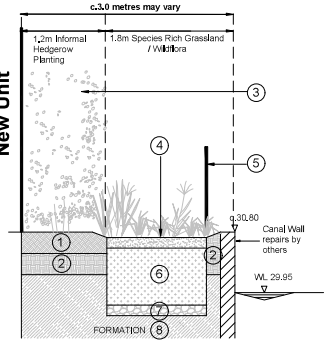




1 Selected Standard Tree Planting
Scale 1:10

Notes:
1. Selected Standard Tree 10–12cm / 3,0 – 3,5m Hgt
2. Tree planted at nursery depth allowing a slightly domed (75mm) profile. Damaged branches shall be carefully pruned, The central leader shall be carefully protected
3. Tree Pit excavated c.1,0m sq. Depth minimum 600mm. Allowing:
   - Thorough loosening of sides and bottom of pit to allow drainage and root penetration
   - Backfill pit with subsoil (300mm depth) & topsoil (300mm depth) mixed thoroughly 50% by volume Tree Planting & Mulching Compost (TPMC)
   - Allow domed profile at surface at base
4. Allow single staking at c.45 deg using 1 Nr tanalised & turned softwood stakes 1500 x 50mm dia, Allow for cutting cleanly at c.400mm above ground level & tying with a 38mm wide strap & block, Strap and block by Toms or similar
5. Min 75mm depth composted bark mulch / ornamental grade to 0.5m radius
6. Adjacent areas (with the exception of the Rain Garden) comprising 200mm subsoil prepared for Species Rich Grassland / Wildflora seeding
7. Formation grades, shall be de-compacted and free of deleterious material prior to placement of subsoil.

Additional Note:
Locations for planting each tree are shown indicatively, the exact locations shall be confirmed on site depending upon the proximity of utilities. Where appropriate root barriers (ReRoot 600 by GreenBLue Urban or similar) shall be installed for the protection of these).



Notes:
1. Topsoil to BS: 3882, 300mm depth
2. Subsoil to BS: 8601, Min 300mm depth
3. Informal Hedgerow Refer to Planting notes
4. Wildflora Seeding Germinal WFG9 for Wetland Areas on 70 / 30 Sand/Subsoil Mixture min 150mm depth
5. KeyKlamp Safety Rail or similar by others

Rain Garden Construction – Indicatively shown, Refer to Engineers Details for full description
6. Filter Medium to Cima 753 600mm depth
7. Drainage pipework in clean stone
8. Formation

2 Section through Rain Garden / Canal Edge (Typical)
Scale 1:25

KEY

- Application Boundary (Refer to Arch Drgs)
- Existing Vegetation* (indicatively shown only)
- New Trees (Selected Standard Trees 10–12cm planted as DtL1)
- Informal Hedgerow (Mixed native species)
- Species Rich Grassland / Wildflora Seeding (Germinal Seed Mix WF3 & A4 combined)
- Rain Garden (Germinal Seed Mix WFG9 as DtL2))
- Canalside Wall (Works to Wall by others)
- Maintenance Access (MA)

* *The entire area for planting / seeding above the Canal Wall shall be cleared of existing vegetation.*

North

10m
SCALE BAR

Issue 17 March 2023 FOR PLANNING ONLY

Robert Rodger Associates Ltd
Landscape Architecture * Landscape Planning * Urban Design
'Rivington', Church Lane, Farndon, Chester CH3 6QD

Client	**Berrite Limited**		
Project	**Berrite Estate Units 6 7 & 8**		
Drg.Title	**Landscape Layout**		
Date	**Mar 2023**	**Scale: 100 @ A0**	**Drg: RAL 386-01**
Drawn	**RKR**		**Issue: 04**

APPENDIX 1

EXPLORATORY RECORDS

ALBURYS.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		**BOREHOLE**	**A**
Contract	Iron Bridge Road South, West Drayton	**Report Ref**	25/12285/B/GO
Client	Berrite Ltd	**Date**	28/01/2025
Site Address	Units 6, 7 & 8 Berrite Estate, Iron Bridge Road South, West Drayton, Greater London UB7 8HY	**Ground Level**	
Type of excavator	Window Sampler	**Water level after completion, m**	dry

Water strikes, m		Dimensions, m		Ease of excavation, m		
1	none	Diameter	0.06	Very easy	Difficult	GL-1.75
2				Moderate	Very hard	1.75+

Remarks
Standpipe installed to 1.75m.

Samples or tests		Shear Strength kPa	PID TVOC ppm	Depth m	Legend	Strata Description
Type	Depth, m					
D	0.10		0.2			Vegetation over MADE GROUND (brown silty SAND and GRAVEL of flint, concrete and brick fragments)
D	0.25		0.3	0.40		
D	0.50		0.3			MADE GROUND (grey becoming brown gravelly SAND. Gravel is of flint)
D	1.00		0.4			
D	1.50		1.0	1.40		MADE GROUND (grey SAND and GRAVEL of fused man-made fragments)
				1.75		OBSTRUCTION - END OF BOREHOLE

Sample Code: B - Large Disturbed D - Small Disturbed W - Water Sample R- Root Sample T - Tube Sample

ALBURYS.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		BOREHOLE	B
Contract	Iron Bridge Road South, West Drayton	Report Ref	25/12285/B/GO
Client	Berrite Ltd	Date	28/01/2025
Site Address	Units 6, 7 & 8 Berrite Estate, Iron Bridge Road South, West Drayton, Greater London UB7 8HY	Ground Level	

Type of excavator	Window Sampler	Water level after completion, m	dry - blocked at 1m.

Water strikes, m		Dimensions, m		Ease of excavation, m			
1	none	Diameter	0.06	Very easy		Difficult	1.50-2.10
2				Moderate	GL-1.50	Very hard	

Remarks

Samples or tests		Shear Strength kPa	PID TVOC ppm	Depth m		Legend	Strata Description
Type	Depth, m						
D	0.10		0.3				Vegetation over MADE GROUND (grey SAND and GRAVEL of fused man-made fragments)
D	0.25						
D	0.50		0.4	0.50			MADE GROUND (cream/grey very silty SAND and GRAVEL of flint and chalk?, with fused man-made fragments present below 1.00m)
D	1.00		1.0				
				1.40			
D	1.50		0.4				Brown and greyish brown slightly gravelly silty CLAY. Gravel is of flint [LANGLEY SILT MEMBER]
D	2.00		0.3				
				2.10			END OF BOREHOLE

Sample Code: B - Large Disturbed D - Small Disturbed W - Water Sample R- Root Sample T - Tube Sample

ALBURYS.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		**BOREHOLE**	C
Contract	Iron Bridge Road South, West Drayton	**Report Ref**	25/12285/B/GO
Client	Berrite Ltd	**Date**	28/01/2025
Site Address	Units 6, 7 & 8 Berrite Estate, Iron Bridge Road South, West Drayton, Greater London UB7 8HY	**Ground Level**	

Type of excavator	Window Sampler	**Water level after completion, m**	2.15

Water strikes, m		**Dimensions, m**		**Ease of excavation, m**		
1	2.40	Diameter	0.06	Very easy		Difficult
2				Moderate	GL-3.10	Very hard

Remarks

Samples or tests		**Shear Strength kPa**	**PID TVOC ppm**	**Depth m**	**Legend**	**Strata Description**
Type	**Depth, m**					
D	0.10		0.2			Vegetation over MADE GROUND (brown gravelly silty SAND with extensive fused man-made fragments, occasional sheet cement fragments and some cobble-sized concrete fragments)
D	0.25-0.30			0.40		
D	0.50		0.2			MADE GROUND (dark brown/black silty SAND with ash and chalk fragments, some clayey pockets)
				0.70		MADE GROUND (orangish brown slightly gravelly silty CLAY with dark brown flecking and traces of brick. Gravel is of flint)
D	1.00		0.3			
D	1.50		0.3			
D	2.00		0.2	2.00		Yellowish brown and pale grey slightly sandy silty CLAY with occasional roots (possible disturbed or MADE GROUND)
D	2.50		0.3	2.50		Yellowish brown and grey slightly gravelly very silty Clay. Gravel is of flint [LANGLEY SILT MEMBER]
D	3.00		0.4	3.10		END OF BOREHOLE

Sample Code: B - Large Disturbed D - Small Disturbed W - Water Sample R- Root Sample T - Tube Sample

ALBURYS.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		**BOREHOLE**	**D**
Contract	Iron Bridge Road South, West Drayton	**Report Ref**	25/12285/B/GO
Client	Berrite Ltd	**Date**	28/01/2025
Site Address	Units 6, 7 & 8 Berrite Estate, Iron Bridge Road South, West Drayton, Greater London UB7 8HY	**Ground Level**	
Type of excavator	Window Sampler	**Water level after completion, m**	dry

Water strikes, m		Dimensions, m		Ease of excavation, m			
1	none	Diameter	0.06	Very easy		Difficult	
2				Moderate	GL-1.50	Very hard	1.50+

Remarks

Samples or tests		Shear Strength kPa	PID TVOC ppm	Depth m	Legend	Strata Description
Type	Depth, m					
D	O.10		3.0			CONCRETE over MADE GROUND (dark grey silty SAND and GRAVEL of concrete, occasional brick and clinker fragments, becoming clayey from 0.30m)
D	0.25-0.30		1.0	0.40		
D	0.50		0.5			MADE GROUND (brown gravelly CLAY. Gravel is of flint and occasional clinker)
D	1.00		0.1	1.00		
D	1.30		1.0			MADE GROUND (brown gravelly very silty CLAY becoming grey with depth. Gravel is of brick, occasional clinker and traces of brick)
				1.50		OBSTRUCTION (concrete?) - END OF BOREHOLE

Sample Code: B - Large Disturbed D - Small Disturbed W - Water Sample R- Root Sample T - Tube Sample

ALBURYS.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		BOREHOLE	E
Contract	Iron Bridge Road South, West Drayton	Report Ref	25/12285/B/GO
Client	Berrite Ltd	Date	28/01/2025
Site Address	Units 6, 7 & 8 Berrite Estate, Iron Bridge Road South, West Drayton, Greater London UB7 8HY	Ground Level	

Type of excavator	Window Sampler	Water level after completion, m	1.75

Water strikes, m		Dimensions, m		Ease of excavation, m			
1	2.50	Diameter	0.06	Very easy		Difficult	
2				Moderate	GL-2.50	Very hard	2.50-3.10

Remarks

Standpipe installed to 3.00m.

Hydrocarbon odour from 1.00m to 3.00m

Samples or tests		Shear Strength kPa	PID TVOC ppm	Depth m	Legend	Strata Description
Type	Depth, m					
				0.20		MADE GROUND (concrete)
D	0.25		1.4			MADE GROUND (dark brown/black silty SAND and GRAVEL of concrete, clinker and brick fragments with ash)
D	0.50		2.0	0.50		MADE GROUND (brown and grey silty CLAY with occasional roots/wood and rare flint gravel)
				0.75		MADE GROUND (dark bluish grey gravelly CLAY with hydrocarbon odour and staining. Gravel is of flint and occasional brick fragments)
D	1.00		300 (peak)			
				1.30		Light and dark grey slightly gravelly silty CLAY with hydrocarbon odour and staining. Gravel is of flint [LANGLEY SILT MEMBER]
D	1.50		50			
D	2.00		295			
D	2.50		150	2.60		Grey gravelly CLAY with hydrocarbon odour and staining. Gravel is of flint [LANGLEY SILT MEMBER]
D	3.00		450	3.10		END OF BOREHOLE

Sample Code: B - Large Disturbed D - Small Disturbed W - Water Sample R- Root Sample T - Tube Sample

ALBURYS.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH			BOREHOLE	F
Contract	Iron Bridge Road South, West Drayton		**Report Ref**	25/12285/B/GO
Client	Berrite Ltd		**Date**	28/01/2025
Site Address	Units 6, 7 & 8 Berrite Estate, Iron Bridge Road South, West Drayton, Greater London UB7 8HY		**Ground Level**	
Type of excavator	Window Sampler	**Water level after completion, m**	2.13	

Water strikes, m		Dimensions, m		Ease of excavation, m		
1	?	Diameter	0.06	Very easy		Difficult
2				Moderate	GL-3.10	Very hard

Remarks
Standpipe installed to 2.30m.

Samples or tests		Shear Strength kPa	PID TVOC ppm	Depth m		Legend	Strata Description
Type	Depth, m						
				0.18			MADE GROUND (concrete)
D	0.25		18				MADE GROUND (brown silty gravelly SAND with fibrous inclusions. Gravel is of concrete and flint)
D	0.50		1.5	0.45			MADE GROUND (dark grey gravelly SAND. Gravel is comprised of fused man-made fragments)
D	1.00		23				
D	1.50		75				
				1.70			MADE GROUND (dark brown very sandy CLAY with clinker fragments)
D	2.00		10				
				2.30			MADE GROUND (greyish brown slightly gravelly silty CLAY. Gravel is of flint)
D	2.50		3.5	2.60			MADE GROUND (bluish grey slightly gravelly silty CLAY. Gravel is of flint and fine brick fragments)
D	3.00		2.0	3.10			END OF BOREHOLE

Sample Code: B - Large Disturbed D - Small Disturbed W - Water Sample R- Root Sample T - Tube Sample

APPENDIX 2

LABORATORY TEST RESULTS

Albury SI Ltd
Miltons Yard
Petworth Road
Witley
Surrey
GU8 5LH

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

t: 01923 225404
f: 01923 237404
e:

Analytical Report Number : 25-004008

Project / Site name: Iron Bridge Road, West Drayton

Your job number: 25 12285 B GO

Your order number: 15489

Report Issue Number: 1

9 soil samples

Analysis completed by:

Signed:

Joanna Wawrzeczko
Senior Reporting Specialist

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

soils
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting
air

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

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

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

Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437130	437131	437132	437133	437134
Sample Reference				A	B	C	D	E
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	0.25	0.25
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	40.6	< 0.1	< 0.1	< 0.1	24.4
Moisture Content	%	0.01	NONE	15	6.8	25	20	17
Total mass of sample received	kg	0.1	NONE	0.1	0.5	0.5	0.2	0.2
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	KSZ	MWI	KSZ	KSZ	KSZ
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	-	-	-	-	0.094
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	Woven Products (Rope, Felt)
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8.3	12.2	8.1	10.1	9.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	1.6	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	340	15000	630	7300	2100
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	170	26	190	490	670
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	86.8	12.8	97.1	243	337
Sulphide	mg/kg	1	MCERTS	2.6	< 1.0	< 1.0	5.6	1.7
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	5.9	< 5.0	12
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.1	2.3	0.8	4.8	2.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437130	437131	437132	437133	437134
Sample Reference				A	B	C	D	E
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	0.25	0.25
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	< 0.05	0.3
Acenaphthylene	mg/kg	0.05	MCERTS	0.39	< 0.05	< 0.05	0.06	< 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	0.06	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.12	< 0.05	0.38	0.48	0.52
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.11	0.08	0.07
Fluoranthene	mg/kg	0.05	MCERTS	0.21	< 0.05	0.91	0.6	0.55
Pyrene	mg/kg	0.05	MCERTS	0.45	< 0.05	0.87	0.51	0.49
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.89	0.24	0.29
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.85	0.25	0.28
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.98	< 0.05	0.96	0.28	0.33
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.29	< 0.05	0.71	0.17	0.16
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.2	< 0.05	1.1	0.23	0.24
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.97	< 0.05	0.6	0.14	0.15
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.19	< 0.05	0.16	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.2	< 0.05	0.71	0.19	0.16
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	6.03	< 0.80	8.36	3.27	3.56
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.6	4.3	20	5.8	20
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.46	0.5	1.7	0.55	2
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	1.7	1	1.1	3.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.7	< 0.2	6	2.9	1.1
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	5.5	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	21	21	30	67	33
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	22	36	67	33
Copper (aqua regia extractable)	mg/kg	1	MCERTS	61	9.2	84	34	200
Lead (aqua regia extractable)	mg/kg	1	MCERTS	81	3.3	1700	260	680
Manganese (aqua regia extractable)	mg/kg	1	MCERTS	240	240	950	280	400
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	0.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	14	30	16	36
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1.2	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	24	41	60	33	66
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	170	34	4100	530	480

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Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437130	437131	437132	437133	437134
Sample Reference				A	B	C	D	E
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	0.25	0.25
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	1.6	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	3.6	10	11	< 2.0	15
TPHCWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	13	22	21	17	78
TPHCWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	16	59	21	61	88
TPHCWG - Aliphatic >EC21 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	28	66	21	71	94
TPHCWG - Aliphatic >EC35 - EC44 $_{EH\_CU\_1D\_AL}$	mg/kg	8.4	NONE	47	10	< 8.4	12	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	32	91	54	78	180
TPHCWG - Aliphatic >EC5 - EC44 $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	79	100	54	90	180
TPHCWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	2.3
TPHCWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	11
TPHCWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	88	41	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	210	47	< 10	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 $_{EH\_CU\_1D\_AR}$	mg/kg	8.4	NONE	300	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	88	41	< 10	< 10	14
TPHCWG - Aromatic >EC5 - EC44 $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	390	41	< 10	< 10	14
TPH Total >EC6 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	260	150	67	99	210
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	260	150	67	99	210
VOCs								
Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-

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Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437130	437131	437132	437133	437134
Sample Reference				A	B	C	D	E
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	0.25	0.25
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

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

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Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437135	437136	437137	437138
Sample Reference				E	F	E	E
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				1.50	0.50	2.00	3.00
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	21	14	11
Total mass of sample received	kg	0.1	NONE	0.2	0.2	0.2	0.2
Asbestos							
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	MUA	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-
General Inorganics							
pH (L099)	pH Units	N/A	MCERTS	-	9.6	-	-
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	-	-
Thiocyanate as SCN	mg/kg	5	NONE	-	< 5.0	-	-
Total Sulphate as SO_4	mg/kg	50	MCERTS	-	10000	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	1200	-	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	594	-	-
Sulphide	mg/kg	1	MCERTS	-	10	-	-
Elemental Sulphur	mg/kg	5	MCERTS	-	12	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	1.8	-	-
Total Phenols							
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	-	-

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Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437135	437136	437137	437138
Sample Reference				E	F	E	E
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				1.50	0.50	2.00	3.00
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**				
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	-	-
Heavy Metals / Metalloids							
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	8.2	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.55	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	2.7	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.2	-	-
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	-	< 1.2	-	-
Chromium (III)	mg/kg	1	NONE	-	17	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	17	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	24	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	19	-	-
Manganese (aqua regia extractable)	mg/kg	1	MCERTS	-	210	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	11	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	27	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	120	-	-

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Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437135	437136	437137	437138
Sample Reference				E	F	E	E
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				1.50	0.50	2.00	3.00
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**				
Petroleum Hydrocarbons							
TPHCWG - Aliphatic >EC5 - EC6 $_{HS\_1D\_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 $_{HS\_1D\_AL}$	mg/kg	0.01	MCERTS	4	< 0.010	0.39	0.28
TPHCWG - Aliphatic >EC8 - EC10 $_{HS\_1D\_AL}$	mg/kg	0.01	MCERTS	37 $^{\$\%}$	< 0.010	9.4 $^{\$\%}$	8.4 $^{\$\%}$
TPHCWG - Aliphatic >EC10 - EC12 $_{EH\_CU\_1D\_AL}$	mg/kg	1	MCERTS	220	< 1.0	90	39
TPHCWG - Aliphatic >EC12 - EC16 $_{EH\_CU\_1D\_AL}$	mg/kg	2	MCERTS	190	14	110	66
TPHCWG - Aliphatic >EC16 - EC21 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	32	610	29	14
TPHCWG - Aliphatic >EC21 - EC35 $_{EH\_CU\_1D\_AL}$	mg/kg	8	MCERTS	< 8.0	890	< 8.0	14
TPHCWG - Aliphatic >EC21 - EC40 $_{EH\_CU\_1D\_AL}$	mg/kg	10	NONE	-	930	-	-
TPHCWG - Aliphatic >EC35 - EC44 $_{EH\_CU\_1D\_AL}$	mg/kg	8.4	NONE	-	49	-	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	480	1500	240	140
TPHCWG - Aliphatic >EC5 - EC44 $_{EH\_CU+HS\_1D\_AL}$	mg/kg	10	NONE	-	1600	-	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS\_1D\_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 $_{HS\_1D\_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 $_{HS\_1D\_AR}$	mg/kg	0.02	MCERTS	1.4	< 0.020	0.68	0.32
TPHCWG - Aromatic >EC10 - EC12 $_{EH\_CU\_1D\_AR}$	mg/kg	1	MCERTS	82	< 1.0	29	14
TPHCWG - Aromatic >EC12 - EC16 $_{EH\_CU\_1D\_AR}$	mg/kg	2	MCERTS	83	2	42	26
TPHCWG - Aromatic >EC16 - EC21 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	21	120	12	10
TPHCWG - Aromatic >EC21 - EC35 $_{EH\_CU\_1D\_AR}$	mg/kg	10	MCERTS	< 10	220	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 $_{EH\_CU\_1D\_AR}$	mg/kg	10	NONE	-	220	-	-
TPHCWG - Aromatic >EC35 - EC44 $_{EH\_CU\_1D\_AR}$	mg/kg	8.4	NONE	-	< 8.4	-	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	190	330	83	50
TPHCWG - Aromatic >EC5 - EC44 $_{EH\_CU+HS\_1D\_AR}$	mg/kg	10	NONE	-	330	-	-
TPH Total >EC6 - EC40 $_{EH\_CU+HS\_1D\_TOTAL}$	mg/kg	10	NONE	-	1900	-	-
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	-	< 1.0	-	-
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	1900	-	-
VOCs							
Chloromethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Chloroethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Bromomethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0
Chloroform	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	-	< 7.0	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	-	< 6.0	< 6.0
Trichloroethene	µg/kg	10	MCERTS	< 10	-	< 10	< 10

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Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

Lab Sample Number				437135	437136	437137	437138
Sample Reference				E	F	E	E
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				1.50	0.50	2.00	3.00
Date Sampled				28/01/2025	28/01/2025	28/01/2025	28/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**				
Dibromomethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	-	< 10	< 10
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	-	< 6.0	< 6.0
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Bromoform	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	360	-	200	89
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0
Bromobenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	710	-	360	140
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	14
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	25	-	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Butylbenzene	µg/kg	5	MCERTS	380	-	150	62
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	-	< 8.0	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0

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

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 25-004008
Project / Site name: Iron Bridge Road, West Drayton
Your Order No: 15489

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
437134	E	0.25	149	Woven Products (Rope, Felt)	**Chrysotile**	0.094	**0.094**

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

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

Analytical Report Number : 25-004008
Project / Site name: Iron Bridge Road, West Drayton

* 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 *
437130	A	None Supplied	0.1	Brown sand with gravel and stones
437131	B	None Supplied	0.1	Non Soil. *g
437132	C	None Supplied	0.1	Brown sand with gravel
437133	D	None Supplied	0.25	Brown clay with gravel
437134	E	None Supplied	0.25	Brown sand with gravel and stones
437135	E	None Supplied	1.5	Brown clay
437136	F	None Supplied	0.5	Brown loam and sand with gravel and vegetation
437137	E	None Supplied	2	Brown clay
437138	E	None Supplied	3	Brown clay with gravel

Analytical Report Number : 25-004008
Project / Site name: Iron Bridge Road, West Drayton

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
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
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	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
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
TPH Chromatogram in soil	TPH Chromatogram in soil	In-house method	L064B	D	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS

Analytical Report Number : 25-004008
Project / Site name: Iron Bridge Road, West Drayton

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Chromium III in soil	In-house method by calculation from total Cr and Cr VI	In-house method by calculation	L080-PL/L130B	W	NONE
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
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
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer)	In-house method	L082B	D	NONE
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025
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

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

$% - Concentration has been determined by extrapolated calibration as analyte concentration is above the concentration range for the procedure. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

*g - Unaccredited sample matrix.

Sample Deviation Report

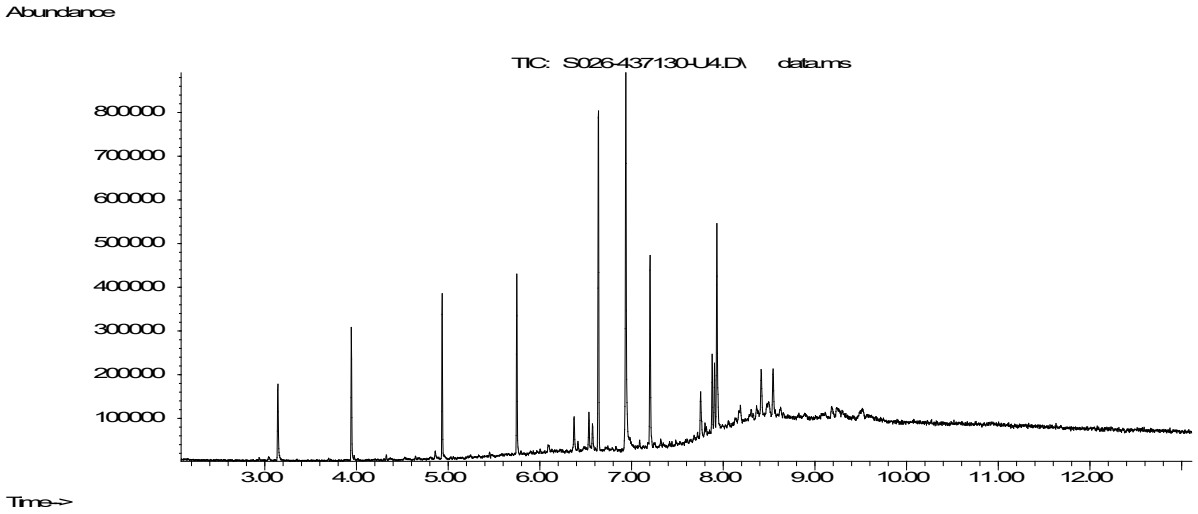
Analytical Report Number : 25-004008

Project / Site name: Iron Bridge Road, West Drayton

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 c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
B	N/A	S	437131	b	BTEX and/or Volatile organic compounds in soil	L073B	b
B	N/A	S	437131	b	Monohydric phenols in soil	L080-PL	b
B	N/A	S	437131	b	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	b
B	N/A	S	437131	b	TPH Chromatogram in soil	L064B	b
B	N/A	S	437131	b	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	b
B	N/A	S	437131	b	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088-PL	b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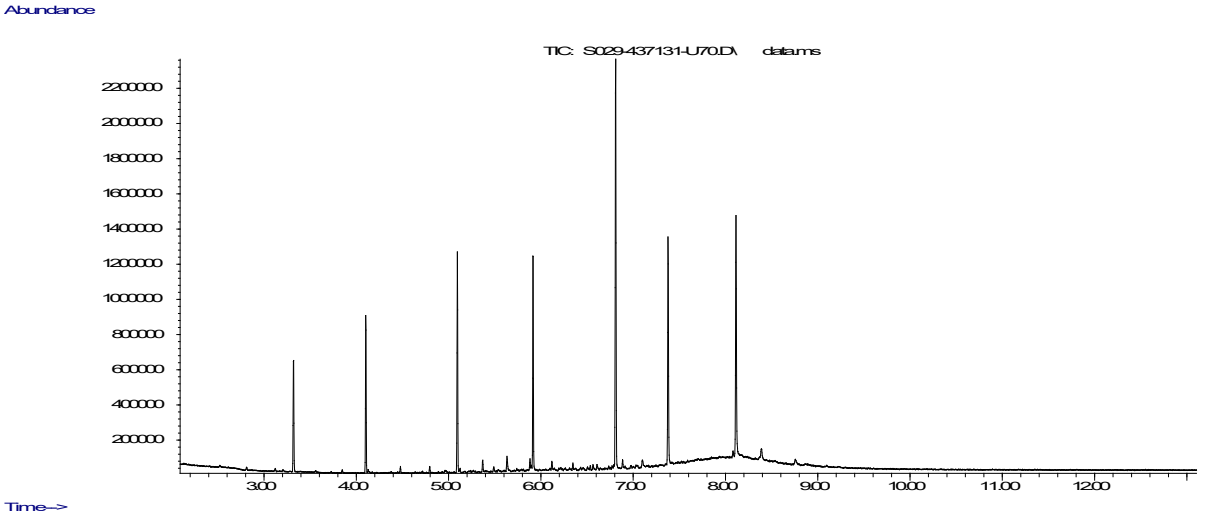
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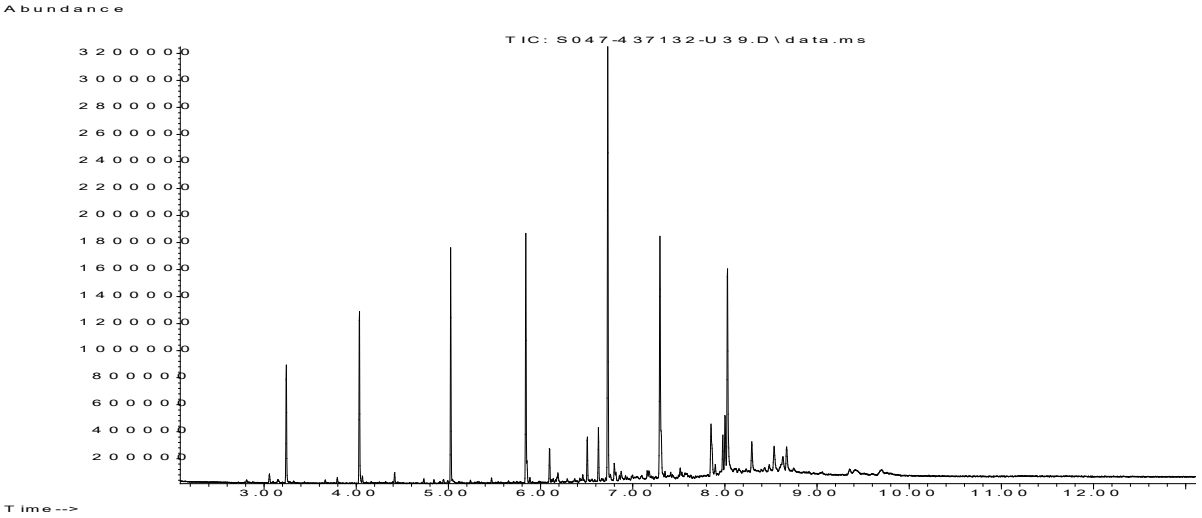
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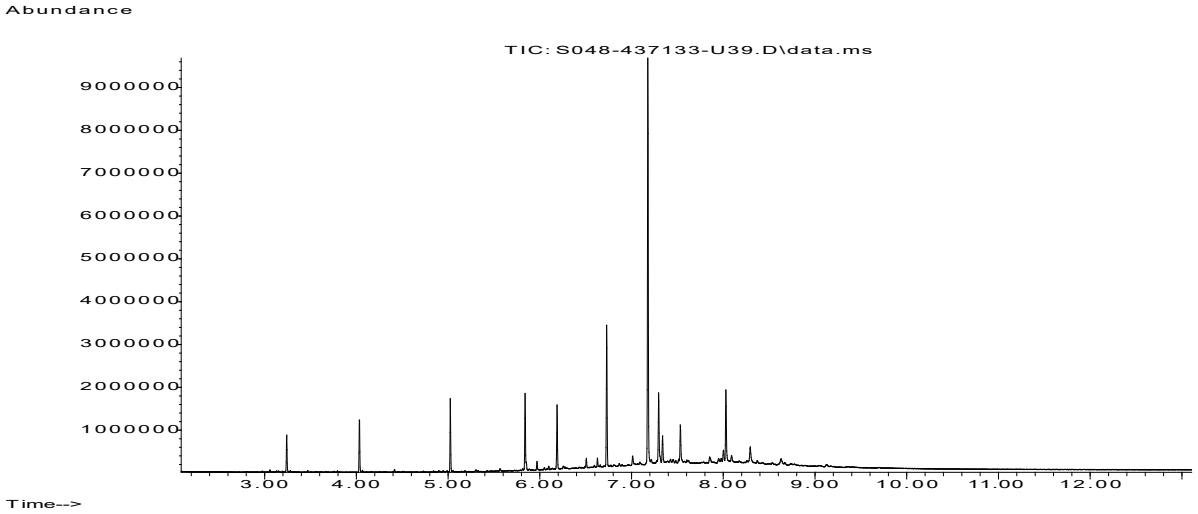
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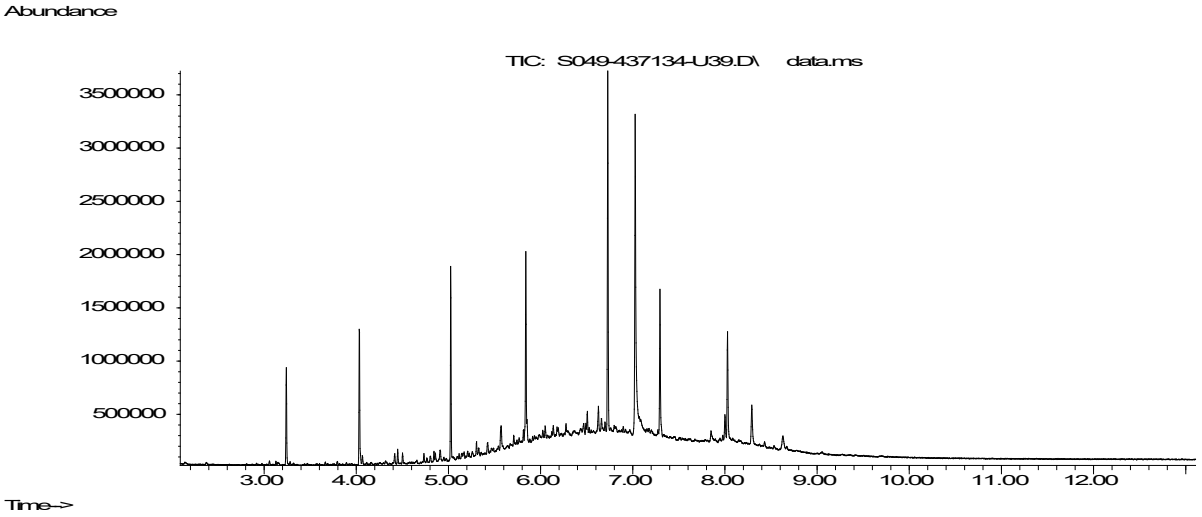
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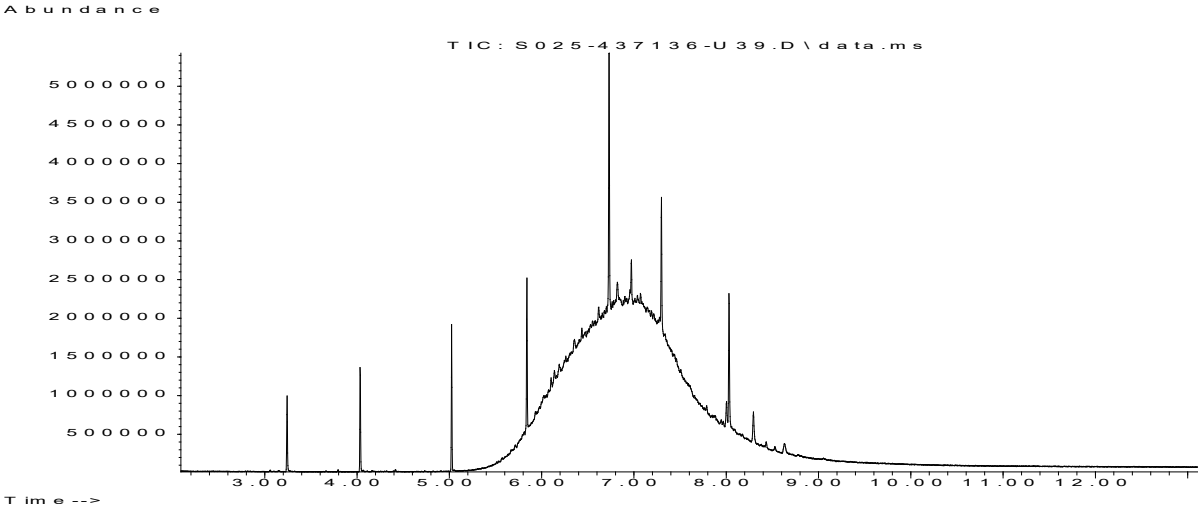
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APPENDIX 3

WASTE

WASTE CLASSIFICATION

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

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

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

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

Waste Treatment

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

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

The exceptions to this are:

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

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

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

Waste Classification Report

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

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

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

I5RKP-MCAFR-1KXYQ

Report is invalid if pages are removed.

Job name

25-004008_HWOL

Description/Comments

Project

25/12285/A/GO

Site

Iron Bridge Road, West Drayton

Classified by

Name:
George Owens
Date:
12 Mar 2025 13:55 GMT
Telephone:
01428 684 836

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

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

HazWasteOnline™ Certification: -

Course	Date
Hazardous Waste Classification	-

Purpose of classification

2 - Material Characterisation

Address of the waste

Berrite Estate, Iron Bridge Road South, West Drayton **Post Code** UB7 8HY

SIC for the process giving rise to the waste

41201 Construction of commercial buildings

Description of industry/producer giving rise to the waste

Demoliton of industrial building and consutrction of commercial/industrial units

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

Waste created during excavation of piled foundations and reduced level excavation for pile mat

Description of the waste

made ground, clay

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	A--28012025-0.10		Non Hazardous		3
2	B--28012025-0.10		Hazardous	HP 8	6
3	C--28012025-0.10		Hazardous	HP 14	9
4	D--28012025-0.25		Non Hazardous		12
5	E--28012025-0.25		Non Hazardous		15
6	E--28012025-1.50		Non Hazardous		18
7	F--28012025-0.50		Non Hazardous		21
8	E--28012025-2.00		Non Hazardous		24
9	E--28012025-3.00		Non Hazardous		27

Related documents

#	Name	Description
1	25-004008_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: George Owens

Created date: 12 Mar 2025 13:55 GMT

Classification of sample: A--28012025-0.10

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

Sample details

Sample name:
A--28012025-0.10

Moisture content:
15%
(wet weight correction)

LoW Code:

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

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

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.6	mg/kg	1.32	9.652	mg/kg	0.000965 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.46	mg/kg	2.775	1.085	mg/kg	0.000109 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.7	mg/kg	3.22	1.916	mg/kg	0.000192 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.7	mg/kg	1.142	0.68	mg/kg	0.000068 %	✓	
5	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
6	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		61	mg/kg	1.126	58.377	mg/kg	0.00584 %	✓	
8	lead { * lead di(acetate) }	082-005-00-8	206-104-4	301-04-2	1	81	mg/kg	1.57	108.087	mg/kg	0.00689 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		240	mg/kg	2.749	560.707	mg/kg	0.0561 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		15	mg/kg	2.976	37.947	mg/kg	0.00379 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		170	mg/kg	1.245	179.861	mg/kg	0.018 %	✓	
14	TPH (C6 to C40) petroleum group			TPH		469	mg/kg		398.65	mg/kg	0.0399 %	✓	
15	confirm TPH has NOT arisen from diesel or petrol					☑							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	•	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
21		cyanides { * salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
22	•	pH			PH		8.3	pH		8.3	pH	8.3 pH		
23		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24	•	acenaphthylene		205-917-1	208-96-8		0.39	mg/kg		0.331	mg/kg	0.0000331 %	✓	
25	•	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	•	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27	•	phenanthrene		201-581-5	85-01-8		0.12	mg/kg		0.102	mg/kg	0.0000102 %	✓	
28	•	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	•	fluoranthene		205-912-4	206-44-0		0.21	mg/kg		0.179	mg/kg	0.0000179 %	✓	
30	•	pyrene		204-927-3	129-00-0		0.45	mg/kg		0.383	mg/kg	0.0000383 %	✓	
31		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.98	mg/kg		0.833	mg/kg	0.0000833 %	✓	
34		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.29	mg/kg		0.247	mg/kg	0.0000246 %	✓	
35		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.2	mg/kg		1.02	mg/kg	0.000102 %	✓	
36	•	indeno[123-cd]pyrene		205-893-2	193-39-5		0.97	mg/kg		0.825	mg/kg	0.0000824 %	✓	
37		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.19	mg/kg		0.161	mg/kg	0.0000161 %	✓	
38	•	benzo[ghi]perylene		205-883-8	191-24-2		1.2	mg/kg		1.02	mg/kg	0.000102 %	✓	
39	•	monohydric phenols			PH186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
40		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24	mg/kg	1.785	36.418	mg/kg	0.00364 %	✓	
41		sulfur { sulfur }	016-094-00-1	231-722-6	7704-34-9		<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
											Total:	0.14 %		

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
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: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0399%)

Classification of sample: B--28012025-0.10

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
B--28012025-0.10
Moisture content:
6.8%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 12.2 pH)

Determinands

Moisture content: 6.8% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.3	mg/kg	1.32	5.291	mg/kg	0.000529 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5	mg/kg	2.775	1.293	mg/kg	0.000129 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.7	mg/kg	3.22	5.102	mg/kg	0.00051 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
5	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
6	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.2	mg/kg	1.126	9.654	mg/kg	0.000965 %	✓	
8	lead { * lead di(acetate) }	082-005-00-8	206-104-4	301-04-2	1	3.3	mg/kg	1.57	4.828	mg/kg	0.000308 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		240	mg/kg	2.749	614.799	mg/kg	0.0615 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		14	mg/kg	2.976	38.834	mg/kg	0.00388 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		34	mg/kg	1.245	39.442	mg/kg	0.00394 %	✓	

#		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	●	TPH (C6 to C40) petroleum group		TPH		141	mg/kg		131.412	mg/kg	0.0131 %	✓	
15	●	confirm TPH has NOT arisen from diesel or petrol				☑							
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
17		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		cyanides { * salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
22	●	pH		PH		12.2	pH		12.2	pH	12.2 pH		
23		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
24	●	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
25	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
26	●	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
27	●	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28	●	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
29	●	fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
30	●	pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
36	●	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
38	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
39	●	monohydric phenols		P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP Index number	EC Number	CAS Number									
40		vanadium { divanadium pentaoxide; vanadium pentoxide }				41	mg/kg	1.785	68.215	mg/kg	0.00682 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
41		sulfur { sulfur }				<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
		016-094-00-1	231-722-6	7704-34-9									
										Total:	0.0962 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
*	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
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: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0131%)

Classification of sample: C--28012025-0.10

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
C--28012025-0.10	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:		
25% (wet weight correction)	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead di(acetate) (Note 1 conc.: 0.128%)
zinc oxide (compound conc.: 0.383%)

Determinands

Moisture content: 25% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20	mg/kg	1.32	19.805	mg/kg	0.00198 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.7	mg/kg	2.775	3.539	mg/kg	0.000354 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1	mg/kg	3.22	2.415	mg/kg	0.000241 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		6	mg/kg	1.142	5.14	mg/kg	0.000514 %	✓	
5	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30	mg/kg	1.462	43.847	mg/kg	0.00438 %		
6	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				5.5	mg/kg	2.27	9.364	mg/kg	0.000936 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		84	mg/kg	1.126	70.931	mg/kg	0.00709 %	✓	
8	lead { * lead di(acetate) }	082-005-00-8	206-104-4	301-04-2	1	1700	mg/kg	1.57	2001.617	mg/kg	0.128 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		950	mg/kg	2.749	1958.352	mg/kg	0.196 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		30	mg/kg	2.976	66.966	mg/kg	0.0067 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	EU CLP Index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		4100	mg/kg	1.245	3827.495	mg/kg	0.383 %	✓	
14	TPH (C6 to C40) petroleum group			TPH		54	mg/kg		40.5	mg/kg	0.00405 %	✓	
15	confirm TPH has NOT arisen from diesel or petrol					☑							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17	benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18	toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
19	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
21	cyanides { * salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				1.6	mg/kg	1.884	3.014	mg/kg	0.000301 %		
22	pH			PH		8.1	pH		8.1	pH	8.1 pH		
23	naphthalene	601-052-00-2	202-049-5	91-20-3		0.1	mg/kg		0.075	mg/kg	0.0000075 %	✓	
24	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27	phenanthrene		201-581-5	85-01-8		0.38	mg/kg		0.285	mg/kg	0.0000285 %	✓	
28	anthracene		204-371-1	120-12-7		0.11	mg/kg		0.0825	mg/kg	0.00000825 %	✓	
29	fluoranthene		205-912-4	206-44-0		0.91	mg/kg		0.683	mg/kg	0.0000683 %	✓	
30	pyrene		204-927-3	129-00-0		0.87	mg/kg		0.653	mg/kg	0.0000653 %	✓	
31	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.89	mg/kg		0.668	mg/kg	0.0000668 %	✓	
32	chrysene	601-048-00-0	205-923-4	218-01-9		0.85	mg/kg		0.638	mg/kg	0.0000637 %	✓	
33	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.96	mg/kg		0.72	mg/kg	0.000072 %	✓	
34	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.71	mg/kg		0.533	mg/kg	0.0000533 %	✓	
35	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.1	mg/kg		0.825	mg/kg	0.0000825 %	✓	
36	indeno[123-cd]pyrene		205-893-2	193-39-5		0.6	mg/kg		0.45	mg/kg	0.000045 %	✓	
37	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.16	mg/kg		0.12	mg/kg	0.000012 %	✓	
38	benzo[ghi]perylene		205-883-8	191-24-2		0.71	mg/kg		0.533	mg/kg	0.0000533 %	✓	

#		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									
39	▪	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
40		vanadium (divanadium pentaoxide; vanadium pentoxide)				60	mg/kg	1.785	80.333	mg/kg	0.00803 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
41		sulfur (sulfur)				5.9	mg/kg		4.425	mg/kg	0.000442 %	✓	
		016-094-00-1	231-722-6	7704-34-9									
										Total:	0.742 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
▪	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
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: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00405%)

Classification of sample: D--28012025-0.25

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

Sample details

Sample name:
D--28012025-0.25
Moisture content:
20%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.8	mg/kg	1.32	6.126	mg/kg	0.000613 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.55	mg/kg	2.775	1.221	mg/kg	0.000122 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.1	mg/kg	3.22	2.833	mg/kg	0.000283 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		2.9	mg/kg	1.142	2.65	mg/kg	0.000265 %	✓	
5	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }		215-160-9	1308-38-9		67	mg/kg	1.462	97.924	mg/kg	0.00979 %		
6	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		34	mg/kg	1.126	30.624	mg/kg	0.00306 %	✓	
8	lead { * lead di(acetate) }	082-005-00-8	206-104-4	301-04-2	1	260	mg/kg	1.57	326.538	mg/kg	0.0208 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		280	mg/kg	2.749	615.678	mg/kg	0.0616 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		16	mg/kg	2.976	38.096	mg/kg	0.00381 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.2	mg/kg	2.554	2.452	mg/kg	0.000245 %	✓	
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		530	mg/kg	1.245	527.759	mg/kg	0.0528 %	✓	
14	* TPH (C6 to C40) petroleum group			TPH		90	mg/kg		72	mg/kg	0.0072 %	✓	
15	* confirm TPH has NOT arisen from diesel or petrol					☑							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		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		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19	•	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		cyanides { * salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
22	•	pH				10.1	pH		10.1	pH	10.1 pH		
				PH									
23		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
24	•	acenaphthylene				0.06	mg/kg		0.048	mg/kg	0.0000048 %	✓	
			205-917-1	208-96-8									
25	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
26	•	fluorene				0.06	mg/kg		0.048	mg/kg	0.0000048 %	✓	
			201-695-5	86-73-7									
27	•	phenanthrene				0.48	mg/kg		0.384	mg/kg	0.0000384 %	✓	
			201-581-5	85-01-8									
28	•	anthracene				0.08	mg/kg		0.064	mg/kg	0.0000064 %	✓	
			204-371-1	120-12-7									
29	•	fluoranthene				0.6	mg/kg		0.48	mg/kg	0.000048 %	✓	
			205-912-4	206-44-0									
30	•	pyrene				0.51	mg/kg		0.408	mg/kg	0.0000408 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.24	mg/kg		0.192	mg/kg	0.0000192 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.25	mg/kg		0.2	mg/kg	0.00002 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.28	mg/kg		0.224	mg/kg	0.0000224 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.17	mg/kg		0.136	mg/kg	0.0000136 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				0.23	mg/kg		0.184	mg/kg	0.0000184 %	✓	
		601-032-00-3	200-028-5	50-32-8									
36	•	indeno[123-cd]pyrene				0.14	mg/kg		0.112	mg/kg	0.0000112 %	✓	
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
38	•	benzo[ghi]perylene				0.19	mg/kg		0.152	mg/kg	0.0000152 %	✓	
			205-883-8	191-24-2									
39	•	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1188									
40		vanadium { divanadium pentaoxide; vanadium pentoxide }				33	mg/kg	1.785	47.129	mg/kg	0.00471 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
41		sulfur { sulfur }				<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
		016-094-00-1	231-722-6	7704-34-9									
										Total:	0.167 %		

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
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: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0072%)

Classification of sample: E--28012025-0.25

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

Sample details

Sample name:
E--28012025-0.25

Moisture content:
17%
(wet weight correction)

LoW Code:

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

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20	mg/kg	1.32	21.917	mg/kg	0.00219 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2	mg/kg	2.775	4.607	mg/kg	0.000461 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		3.2	mg/kg	3.22	8.552	mg/kg	0.000855 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.1	mg/kg	1.142	1.043	mg/kg	0.000104 %	✓	
5	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33	mg/kg	1.462	48.231	mg/kg	0.00482 %		
6	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		200	mg/kg	1.126	186.897	mg/kg	0.0187 %	✓	
8	lead { * lead di(acetate) }	082-005-00-8	206-104-4	301-04-2	1	680	mg/kg	1.57	886.049	mg/kg	0.0564 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		400	mg/kg	2.749	912.523	mg/kg	0.0913 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5	mg/kg	1.353	0.562	mg/kg	0.0000562 %	✓	
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		36	mg/kg	2.976	88.931	mg/kg	0.00889 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		480	mg/kg	1.245	495.894	mg/kg	0.0496 %	✓	
14	TPH (C6 to C40) petroleum group			TPH		194	mg/kg		161.02	mg/kg	0.0161 %	✓	
15	confirm TPH has NOT arisen from diesel or petrol					☑							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		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		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		cyanides { * salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
22	●	pH				9.6	pH		9.6	pH	9.6 pH		
				PH									
23		naphthalene				0.3	mg/kg		0.249	mg/kg	0.0000249 %	✓	
		601-052-00-2	202-049-5	91-20-3									
24	●	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
25	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
26	●	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
27	●	phenanthrene				0.52	mg/kg		0.432	mg/kg	0.0000432 %	✓	
			201-581-5	85-01-8									
28	●	anthracene				0.07	mg/kg		0.0581	mg/kg	0.00000581 %	✓	
			204-371-1	120-12-7									
29	●	fluoranthene				0.55	mg/kg		0.457	mg/kg	0.0000457 %	✓	
			205-912-4	206-44-0									
30	●	pyrene				0.49	mg/kg		0.407	mg/kg	0.0000407 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.29	mg/kg		0.241	mg/kg	0.0000241 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.28	mg/kg		0.232	mg/kg	0.0000232 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.33	mg/kg		0.274	mg/kg	0.0000274 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.16	mg/kg		0.133	mg/kg	0.0000133 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				0.24	mg/kg		0.199	mg/kg	0.0000199 %	✓	
		601-032-00-3	200-028-5	50-32-8									
36	●	indeno[123-cd]pyrene				0.15	mg/kg		0.125	mg/kg	0.0000124 %	✓	
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
38	●	benzo[ghi]perylene				0.16	mg/kg		0.133	mg/kg	0.0000133 %	✓	
			205-883-8	191-24-2									
39	●	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				PHE									
40		vanadium { divanadium pentaoxide; vanadium pentoxide }				66	mg/kg	1.785	97.792	mg/kg	0.00978 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
41		sulfur { sulfur }				12	mg/kg		9.96	mg/kg	0.000996 %	✓	
		016-094-00-1	231-722-6	7704-34-9									
42		asbestos				940	mg/kg		780.2	mg/kg	0.078 %	✓	
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5									

#		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							
				77536-66-4 77536-68-6 77536-67-5 12001-29-5							
								Total:	0.339 %		

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
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: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0161%)

Classification of sample: E--28012025-1.50

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

Sample details

Sample name:
E--28012025-1.50
Moisture content:
17%
(wet weight correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	▪	confirm TPH has NOT arisen from diesel or petrol					☑							
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
5	▪	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
7	▪	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
8		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
9		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
10		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
12	▪	bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
13		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
14		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17	●	n-butylbenzene				0.38	mg/kg		0.315	mg/kg	0.0000315 %	✓	
			203-209-7	104-51-8									
18		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
19		chlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
20		chloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
21		chloromethane; methyl chloride				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
22		1,2-dibromoethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
23	●	dibromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
24		1,2-dibromo-3-chloropropane				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
25		dibromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
26		1,1-dichloroethylene; vinylidene chloride				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
27	●	2,2-dichloropropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
28		1,1-dichloropropene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
29	●	1,3-dichloropropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
30	●	hexachlorobutadiene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-765-5	87-68-3									
31		cumene				0.36	mg/kg		0.299	mg/kg	0.0000299 %	✓	
		601-024-00-X	202-704-5	98-82-8									
32		1-isopropyl-4-methylbenzene; p-cymene				0.025	mg/kg		0.0208	mg/kg	0.00000208 %	✓	
		601-094-00-1	202-796-7	99-87-6									
33		1,3-dichlorbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
34		propylbenzene				0.71	mg/kg		0.589	mg/kg	0.0000589 %	✓	
		601-097-00-8	203-132-9	103-65-1									
35		1,2-dichlorobenzene; o-dichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
36		1,4-dichlorobenzene; p-dichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
37		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
38	●	sec-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									
39		styrene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
40	●	tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
41		bromoform; tribromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
42		1,1,1-trichloroethane; methyl chloroform				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
43	●	1,2,3-trichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
44	●	trichlorofluoromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
45		1,1,2,2-tetrachloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									

#		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									
46		chloroform; trichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
47	*	trans-1,3-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
48	*	1,1,1,2-tetrachloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
49		1,2,4-trimethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
50		1,1,2-trichloroethane				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
51		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
52		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 108-43-4 [3] 25168-05-2 [4]									
										Total:	0.00015 %		

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)
<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 threshold of: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinands:

n-butylbenzene (conc.: 0.00003%)
cumene (conc.: 0.00002%)
1-isopropyl-4-methylbenzene; p-cymene (conc.: 2.08e-06%)
propylbenzene (conc.: 0.00005%)

Classification of sample: F--28012025-0.50

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

Sample details

Sample name:
F--28012025-0.50

Moisture content:
21%
(wet weight correction)

LoW Code:

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

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

Hazard properties

None identified

Determinands

Moisture content: 21% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.2	mg/kg	1.32	8.553	mg/kg	0.000855 %	✓	
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.55	mg/kg	2.775	1.206	mg/kg	0.000121 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.7	mg/kg	3.22	6.868	mg/kg	0.000687 %	✓	
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2	mg/kg	1.142	0.18	mg/kg	0.000018 %	✓	
5	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
6	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24	mg/kg	1.126	21.347	mg/kg	0.00213 %	✓	
8	lead { * lead di(acetate) }	082-005-00-8	206-104-4	301-04-2	1	19	mg/kg	1.57	23.564	mg/kg	0.0015 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		210	mg/kg	2.749	455.987	mg/kg	0.0456 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
11	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		11	mg/kg	2.976	25.864	mg/kg	0.00259 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
13	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		120	mg/kg	1.245	117.999	mg/kg	0.0118 %	✓	
14	TPH (C6 to C40) petroleum group			TPH		1930	mg/kg		1524.7	mg/kg	0.152 %	✓	
15	confirm TPH has NOT arisen from diesel or petrol					☑							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		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		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		cyanides { * salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
22		pH				9.6	pH		9.6	pH	9.6 pH		
				PH									
23		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
25		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
26		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
27		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
28		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
29		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
35		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
36		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
37		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
38		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
39		monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
				P1186									
40		vanadium { divanadium pentaoxide; vanadium pentoxide }				27	mg/kg	1.785	38.078	mg/kg	0.00381 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
41		sulfur { sulfur }				12	mg/kg		9.48	mg/kg	0.000948 %	✓	
		016-094-00-1	231-722-6	7704-34-9									
										Total:	0.226 %		

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
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: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.152%)

Classification of sample: E--28012025-2.00

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

Sample details

Sample name:
E--28012025-2.00
Moisture content:
14%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	▪	confirm TPH has NOT arisen from diesel or petrol					☑							
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
5	▪	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
7	▪	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
8		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
9		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
10		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
12	▪	bromodichloromethane		200-856-7	75-27-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
13		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
14		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17	■	n-butylbenzene				0.15	mg/kg		0.129	mg/kg	0.0000129 %	✓	
			203-209-7	104-51-8									
18		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
19		chlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
20		chloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
21		chloromethane; methyl chloride				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
22		1,2-dibromoethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
23	■	dibromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
24		1,2-dibromo-3-chloropropane				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
25		dibromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
26		1,1-dichloroethylene; vinylidene chloride				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
27	■	2,2-dichloropropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
28		1,1-dichloropropene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
29	■	1,3-dichloropropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
30	■	hexachlorobutadiene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-765-5	87-68-3									
31		cumene				0.2	mg/kg		0.172	mg/kg	0.0000172 %	✓	
		601-024-00-X	202-704-5	98-82-8									
32		1-isopropyl-4-methylbenzene; p-cymene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
33		1,3-dichlorbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
34		propylbenzene				0.36	mg/kg		0.31	mg/kg	0.000031 %	✓	
		601-097-00-8	203-132-9	103-65-1									
35		1,2-dichlorobenzene; o-dichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
36		1,4-dichlorobenzene; p-dichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
37		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
38	■	sec-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									
39		styrene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
40	■	tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
41		bromoform; tribromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
42		1,1,1-trichloroethane; methyl chloroform				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
43	■	1,2,3-trichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
44	■	trichlorofluoromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
45		1,1,2,2-tetrachloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									

#		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									
46		chloroform; trichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
47	*	trans-1,3-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
48	*	1,1,1,2-tetrachloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
49		1,2,4-trimethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
50		1,1,2-trichloroethane				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
51		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
52		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 108-43-4 [3] 25168-05-2 [4]									
										Total:	0.00008 %		

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)
<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 threshold of: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinands:

n-butylbenzene (conc.: 0.00001%)
cumene (conc.: 0.00001%)
propylbenzene (conc.: 0.00003%)

Classification of sample: E--28012025-3.00

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

Sample details

Sample name:
E--28012025-3.00

Moisture content:
11%
(wet weight correction)

LoW Code:

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

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	●	confirm TPH has NOT arisen from diesel or petrol					☑					
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
7	●	1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
8		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
9		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
10		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
11		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
12	●	bromodichloromethane		200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
13		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
14		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
15		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
16		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP Index number	EC Number	CAS Number									
17	●	n-butylbenzene				0.062	mg/kg		0.0552	mg/kg	0.00000552 %	✓	
			203-209-7	104-51-8									
18		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
19		chlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
20		chloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
21		chloromethane; methyl chloride				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
22		1,2-dibromoethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
23	●	dibromochloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
24		1,2-dibromo-3-chloropropane				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
25		dibromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
26		1,1-dichloroethylene; vinylidene chloride				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
27	●	2,2-dichloropropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
28		1,1-dichloropropene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
29	●	1,3-dichloropropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
30	●	hexachlorobutadiene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-765-5	87-68-3									
31		cumene				0.089	mg/kg		0.0792	mg/kg	0.00000792 %	✓	
		601-024-00-X	202-704-5	98-82-8									
32		1-isopropyl-4-methylbenzene; p-cymene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
33		1,3-dichlorbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
34		propylbenzene				0.14	mg/kg		0.125	mg/kg	0.0000125 %	✓	
		601-097-00-8	203-132-9	103-65-1									
35		1,2-dichlorobenzene; o-dichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
36		1,4-dichlorobenzene; p-dichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
37		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
38	●	sec-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									
39		styrene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
40	●	tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
41		bromoform; tribromomethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
42		1,1,1-trichloroethane; methyl chloroform				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
43	●	1,2,3-trichlorobenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
44	●	trichlorofluoromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
45		1,1,2,2-tetrachloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									

#		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									
46		chloroform; trichloromethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
47	*	trans-1,3-dichloropropene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
48	*	1,1,1,2-tetrachloroethane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
49		1,2,4-trimethylbenzene				0.014	mg/kg		0.0125	mg/kg	0.00000125 %	✓	
		601-043-00-3	202-436-9	95-63-6									
50		1,1,2-trichloroethane				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
51		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichlorcethylene [3]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
52		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
										Total:	0.00005 %		

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)
<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 threshold of: 12500 mg/kg (1.25%) because: example given in WM3

Hazard Statements hit:

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

Because of determinands:

n-butylbenzene (conc.: 5.52e-06%)
cumene (conc.: 7.92e-06%)
propylbenzene (conc.: 0.00001%)
1,2,4-trimethylbenzene (conc.: 1.25e-06%)

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 C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

* **lead di(acetate)** (EC Number: 206-104-4, CAS Number: 301-04-2)

GB MCL index number: 082-005-00-8
Description/Comments: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2.
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. 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

* **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.

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

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

* **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

* **pH** (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

* **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

* **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

* **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

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

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

* **1,1-dichloroethane and 1,2-dichloroethane (combined)** (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/a
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

* **bromodichloromethane** (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

* **n-butylbenzene** (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

* **dibromochloromethane** (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

* **2,2-dichloropropane** (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

* **1,3-dichloropropane** (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

* **hexachlorobutadiene** (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

* **sec-butylbenzene** (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

* **tert-butylbenzene** (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

* **1,2,3-trichlorobenzene** (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

* **trichlorofluoromethane** (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

* **trans-1,3-dichloropropene** (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

- **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

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)

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass (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 chromium(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 chromium(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) Worse 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)

lead {lead di(acetate)}

site has historical use as a varnish works and this species cannot be ruled out to be present

manganese {manganese sulphate}

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

zinc {zinc oxide}

not enough CRVI

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil. [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

vanadium {divanadium pentaoxide; vanadium pentoxide}

worst case

sulfur {sulfur}

worst case

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.65.6483.11817 (06 Mar 2025)
HazWasteOnline Database: 2025.65.6483.11817 (06 Mar 2025)

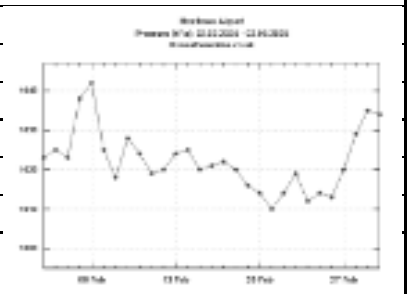
This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd 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

APPENDIX 4

MONITORING DATA

GROUND GASAND GROUNDWATER MONITORING

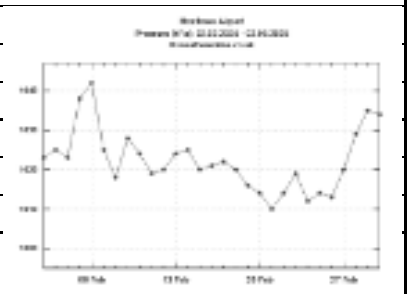
Contract	Iron Bridge Road South, West Drayton	**Report Ref**	25/12285/B/GO
Date	05/02/2025	**Visit**	1
Technician	DH	**Check**	GO
Weather	Clear & Cold	**Page**	1
Atmospheric Pressure	**Before**	1031	
	After	1031	
Published Pressure Trend			
Remarks	GFM436		



Position	Flow (l/hr)		Common Gases (%)				H_2S	Hexane	VOC (ppm)	Groundwater (m)		Remarks
	High	Low	Time	CO_2	CH_4	O_2				Water	Base	
Calibration Check	0.0	0.0	15s	0	0	20.4						Calibration check passed
			30s	0	0	20.4						
			60s	0	0	20.4						
A	0	0	15s	0.1	0	20.5	0	0		none	1.52	
			30s	0.1	0	20.3						
			45s	0.1	0	20.3						
			1m	0.1	0	20.2						
			1m 15s	0.1	0	20.2						
			1m 30s	0.1	0	20.2						
			1m 45s	0.1	0	20.2						
			2m	0.1	0	20.2						
			2m 15s	0.1	0	20.2						
			2m 30s	0.1	0	20.2						
			2m 45s	0.1	0	20.2						
			3m	0.1	0	20.2						
E	0	0	15s	0.1	0	19.9	0	0		1.38	2.85	
			30s	0.1	0	19.7						
			45s	0.1	0	19.6						
			1m	0.1	0	19.5						
			1m 15s	0.1	0	19.5						
			1m 30s	0.1	0	19.5						
			1m 45s	0.1	0	19.4						
			2m	0.1	0	19.4						
			2m 15s	0.1	0	19.4						
			2m 30s	0.1	0	19.4						
			2m 45s	0.1	0	19.4						
			3m	0.1	0	19.4						
F	0	0	15s	0.1	0	20.4	0	0		2.13	2.23	
			30s	0.1	0	20.3						
			45s	0.1	0	20.2						
			1m	0.1	0	20.2						
			1m 15s	0.1	0	20.2						
			1m 30s	0.1	0	20.2						
			1m 45s	0.1	0	20.2						
			2m	0.1	0	20.2						
			2m 15s	0.1	0	20.2						
			2m 30s	0.1	0	20.2						
			2m 45s	0.1	0	20.2						
			3m	0.1	0	20.2						

GROUND GASAND GROUNDWATER MONITORING

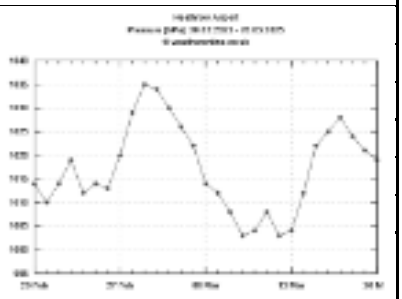
Contract	Iron Bridge Road South, West Drayton	**Report Ref**	25/12285/B/GO
Date	03/03/2025	**Visit**	2
Technician	HF	**Check**	GO
Weather	Clear & Cold	**Page**	1
Atmospheric Pressure	**Before**	1024	
	After	1025	
Published Pressure Trend			
Remarks	GFM436 + Tiger XTL PID		



Position	Flow (l/hr)		Common Gases (%)				H_2S	Hexane	VOC (ppm)	Groundwater (m)		Remarks
	High	Low	Time	CO_2	CH_4	O_2				Water	Base	
Calibration Check	0.0	0.0	15s	0	0	20.9						Calibration check passed
			30s	0	0	20.8						
			60s	0	0	20.8						
A	0	0	15s	0.1	0	20.9	0	0	0.1	none	1.52	
			30s	0	0	20.7						
			45s	0	0	20.7						
			1m	0	0	20.7						
			1m 15s	0	0	20.7						
			1m 30s	0	0	20.7						
			1m 45s	0	0	20.7						
			2m	0	0	20.7						
			2m 15s	0	0	20.7						
			2m 30s	0	0	20.7						
			2m 45s	0	0	20.7						
			3m	0	0	20.7						
E	0	0	15s	0.1	0	20.5	0	0	45.7	1.38	2.85	
			30s	0.1	0	20.4						
			45s	0.1	0	20.3						
			1m	0.1	0	20.2						
			1m 15s	0.1	0	20.2						
			1m 30s	0.1	0	20.1						
			1m 45s	0.1	0	20.1						
			2m	0.1	0	20.1						
			2m 15s	0.1	0	20.1						
			2m 30s	0.1	0	20.1						
			2m 45s	0.1	0	20.1						
			3m	0.1	0	20.1						
F	0	0	15s	0.20	0	20.7	0	0	0	2.16	2.23	
			30s	0.20	0	20.7						
			45s	0.20	0	20.6						
			1m	0.20	0	20.6						
			1m 15s	0.20	0	20.6						
			1m 30s	0.20	0	20.6						
			1m 45s	0.40	0	20.4						
			2m	0.30	0	20.5						
			2m 15s	0.20	0	20.6						
			2m 30s	0.20	0	20.6						
			2m 45s	0.20	0	20.6						
			3m	0.20	0	20.6						
Calibration Check	0.0	0.0	15s	0	0	20.6						Calibration check passed
			30s	0	0	20.6						
			60s	0	0	20.6						

GROUND GASAND GROUNDWATER MONITORING

Contract	Iron Bridge Road South, West Drayton	**Report Ref**	25/12285/B/GO
Date	17/03/2025	**Visit**	3
Technician	HF	**Check**	GO
Weather	Clear & Cold	**Page**	1
Atmospheric Pressure	**Before**	1022	
	After	1021	
Published Pressure Trend			
Remarks	GFM436 + Tiger XTL PID		



Position	Flow (l/hr)		Common Gases (%)				H_2S	Hexane	VOC (ppm)	Groundwater (m)		Remarks
	High	Low	Time	CO_2	CH_4	O_2				Water	Base	
Calibration Check	0.0	0.0	15s	0	0	20.9						Calibration check passed
			30s	0	0	20.8						
			60s	0	0	20.7						
A	0	0	15s	0.1	0	20.5	0	0	0	none	1.57	
			30s	0	0	20.5						
			45s	0	0	20.5						
			1m	0	0	20.5						
			1m 15s	0	0	20.5						
			1m 30s	0	0	20.5						
			1m 45s	0	0	20.5						
			2m	0	0	20.5						
			2m 15s	0	0	20.5						
			2m 30s	0	0	20.5						
			2m 45s	0	0	20.5						
			3m	0	0	20.4						
E	0	0	15s	0	0	20.8	0	0	56.8	1.67	2.88	
			30s	0.1	0	20.7						
			45s	0.1	0	20.6						
			1m	0.1	0	20.6						
			1m 15s	0.2	0	20.6						
			1m 30s	0.2	0	20.5						
			1m 45s	0.2	0	20.5						
			2m	0.3	0	20.4						
			2m 15s	0.3	0	20.4						
			2m 30s	0.4	0	20.3						
			2m 45s	0.5	0	20.2						
			3m	0.5	0	20.2						
F	0.1	0	15s	0.5	0	20.3	0	0	0	2.25	2.30	
			30s	0.6	0	20.0						
			45s	0.6	0	20.0						
			1m	0.6	0	19.9						
			1m 15s	0.6	0	19.9						
			1m 30s	0.6	0	19.9						
			1m 45s	0.6	0	19.9						
			2m	0.6	0	19.9						
			2m 15s	0.6	0	19.9						
			2m 30s	0.6	0	19.9						
			2m 45s	0.6	0	19.9						
			3m	0.6	0	19.9						
Calibration Check	0.0	0.0	15s	0.1	0	20.8						Calibration check passed
			30s	0.1	0	20.6						
			60s	0.1	0	20.6						

shawcity
Life-saving solutions

CERTIFICATE OF CALIBRATION

CALIBRATION CERTIFICATE NO: XT-101528

ISSUED BY: SHAWCITY LIMITED
DATE: 25/07/2024

APPROVED SIGNATORY:

NAME: Joe Herbert

CUSTOMER: Albury S.I Limited
INSTRUMENT: Tiger XTL
SERIAL NUMBER: XT-101528

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

Prior to calibration the instrument was allowed to stabilise in the laboratory for at least 30 minutes.
The instrument was calibrated by exposing the sensor to known values of gas concentrations.
All gases were sampled through the complete probe and in line filter, where applicable.
The reference value is that generated by the certified source and the indicated value is that measured by the instrument.

CALIBRATION RESULTS

GAS	LOT No	REF. VALUE	INDICATED VALUE
Isobutylene	WO454592-1	100 ppm	100 ppm
Isobutylene	WO372412-1	5000 ppm	5000 ppm

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

Tel: 01793 780622
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Instrument House, 91-92 Shrivenham Hundred Business Park
Watchfield, Oxfordshire, SN6 8TY