

Geology 1:50,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

11

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 77](#) >

ID	Location	LEX Code	Description	Rock description
A	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
A	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
1	45m N	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
2	226m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



ID	Location	LEX Code	Description	Rock description
3	240m N	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
4	309m NW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
5	349m NE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
6	381m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
7	444m SE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
B	485m NW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
8	486m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m	1
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 79](#) >

ID	Location	LEX Code	Description	Rock description
1	79m N	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
2	329m N	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
3	373m SE	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0
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Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

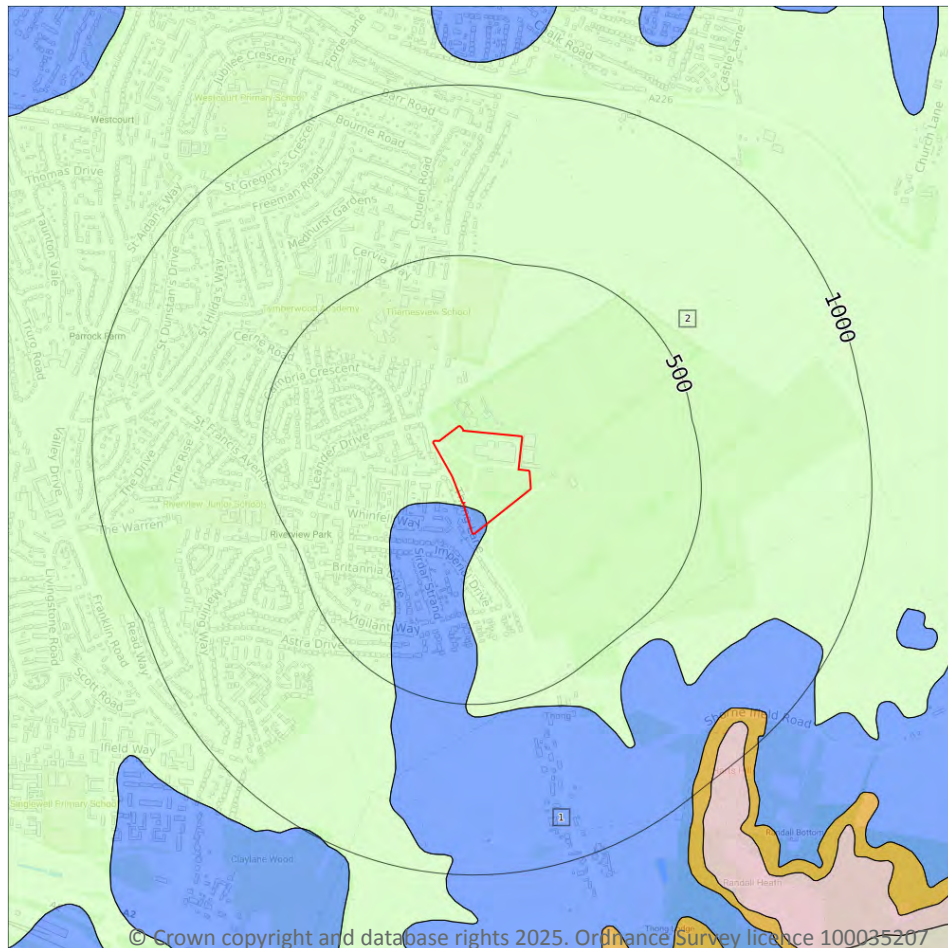
Records within 50m	0
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

2

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 81](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	TAB-S	THANET FORMATION - SAND	THANETIAN
2	On site	LSNCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m**2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Very High	Very High
On site	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m**0**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

4

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 83](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	60m SE	567063 171479	LOWER THAMES CROSSING - PHASE 2A - PACKAGE A TP02004	4.5	N	20918635 ↗
2	123m SE	567206 171512	LOWER THAMES CROSSING - PHASE 2A - PACKAGE A WS02003	5.0	N	20918636 ↗

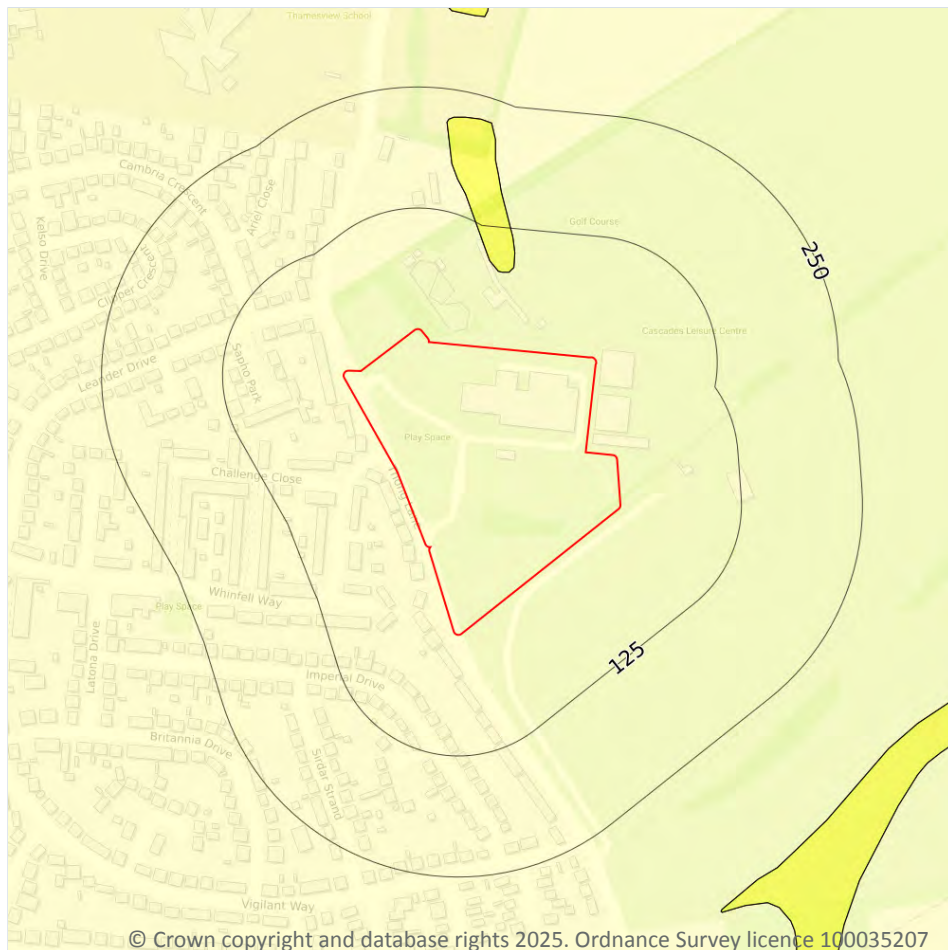


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	189m SE	567123 171361	LOWER THAMES CROSSING - PHASE 2A - PACKAGE A WS02002	5.0	N	20918634 ↗
4	222m E	567388 171645	LOWER THAMES CROSSING - PHASE 2A - PACKAGE A WS02005	3.0	N	20918639 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

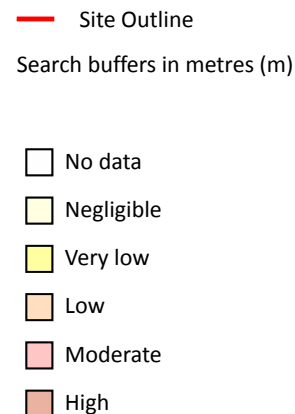
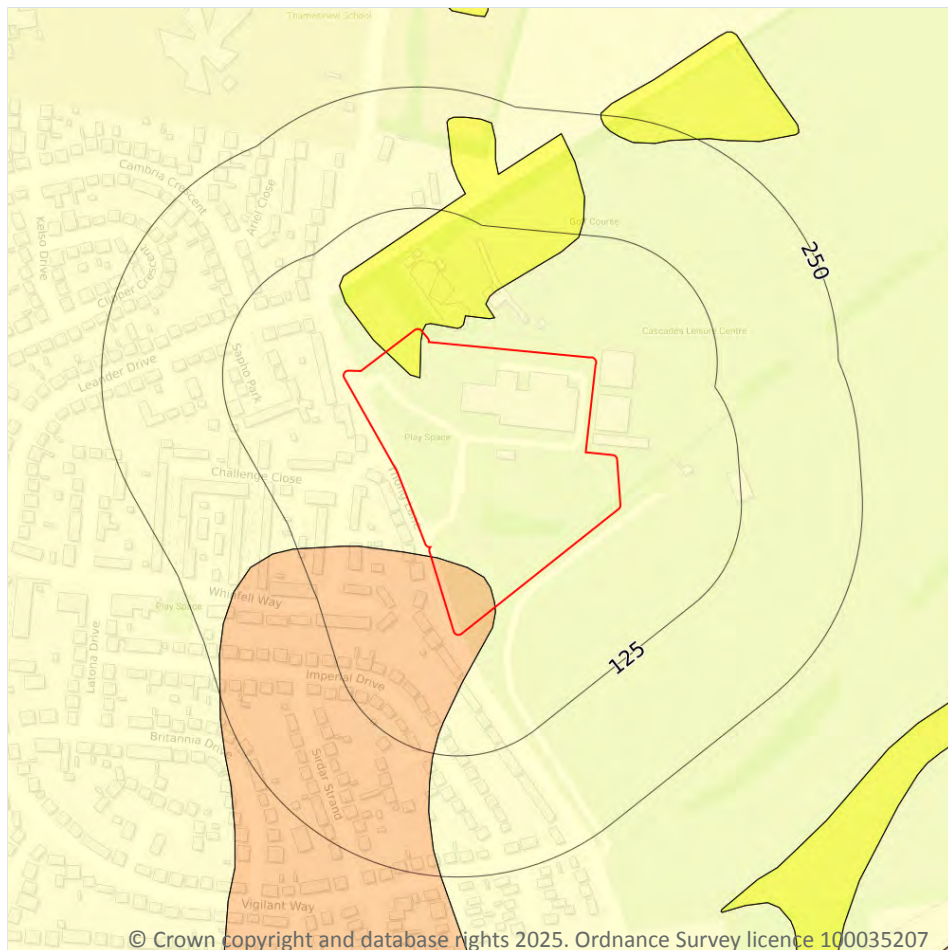
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 85 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

3

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 86](#) >

Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

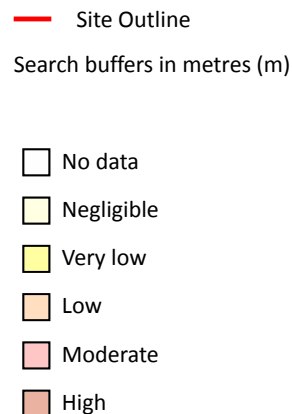
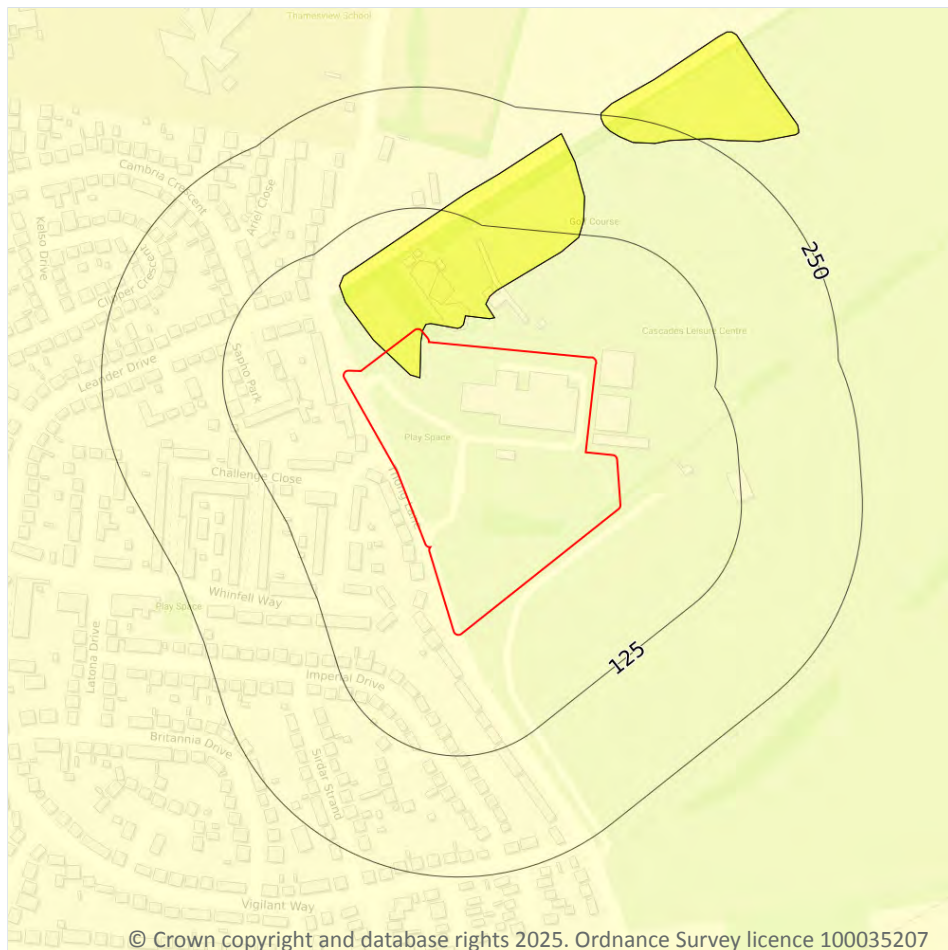


Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

2

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 88](#) >

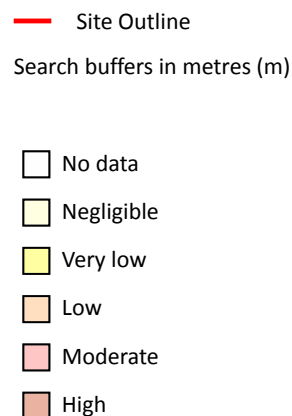
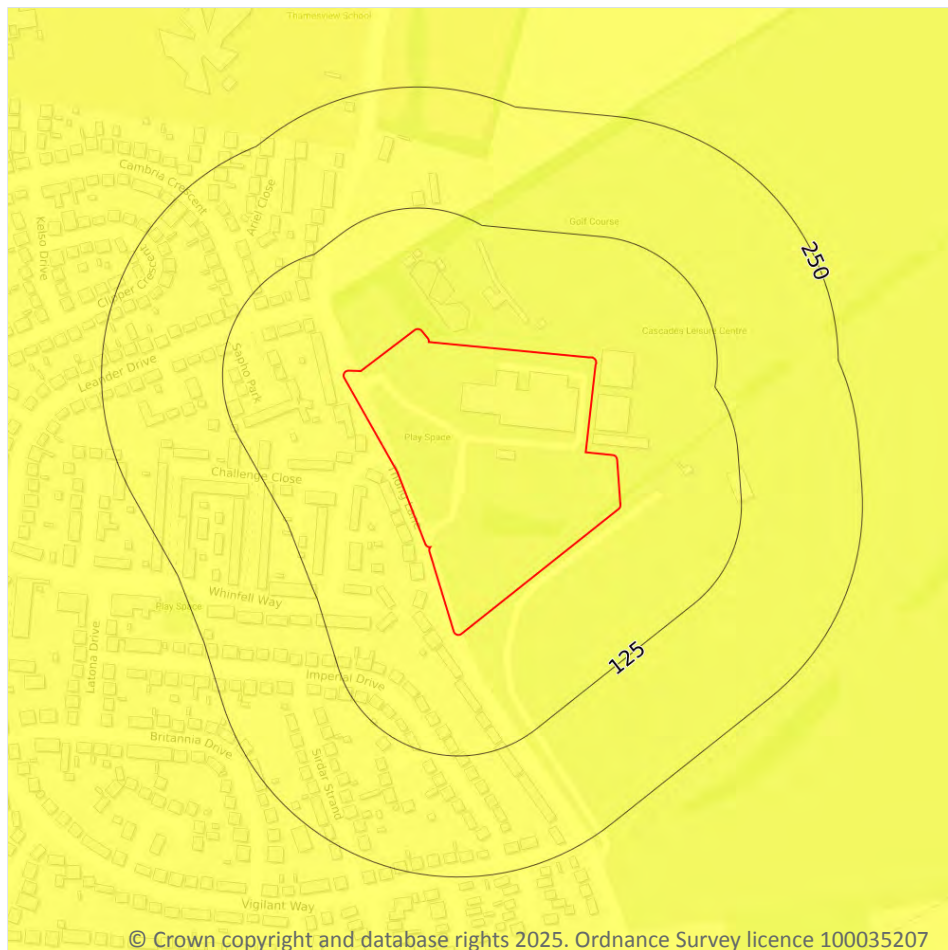
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

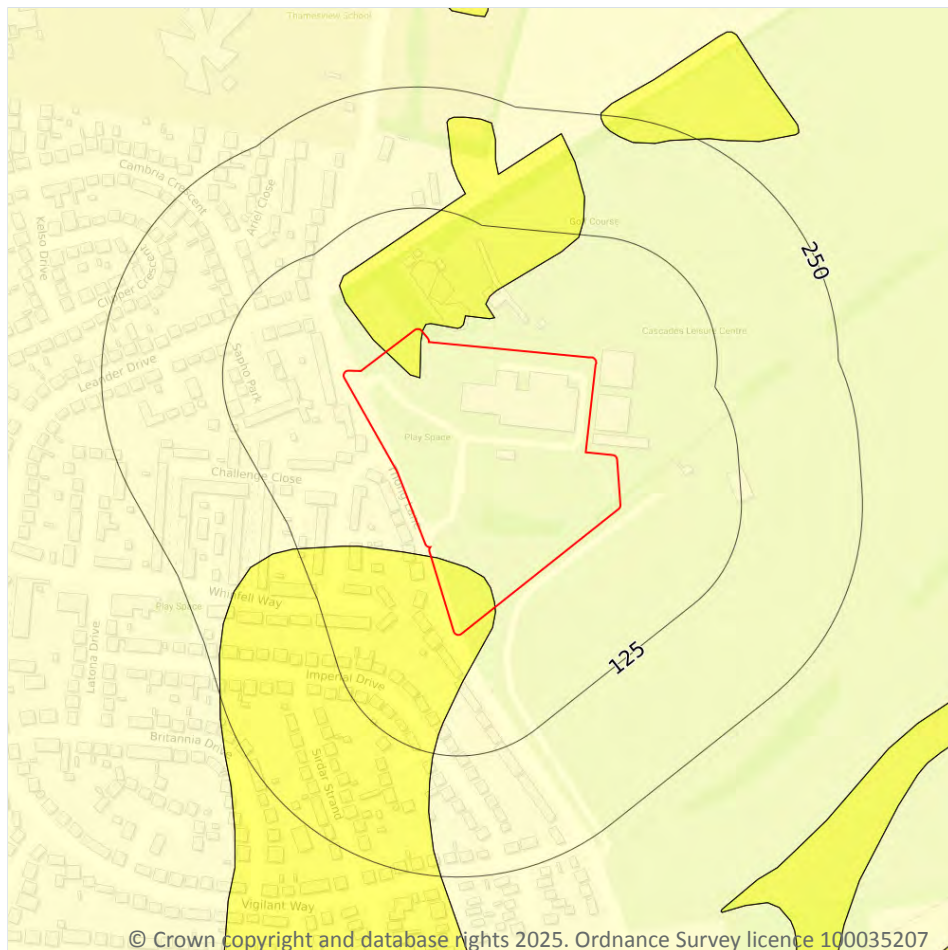
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 90 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.5 Landslides

Records within 50m

2

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 91](#) >

Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

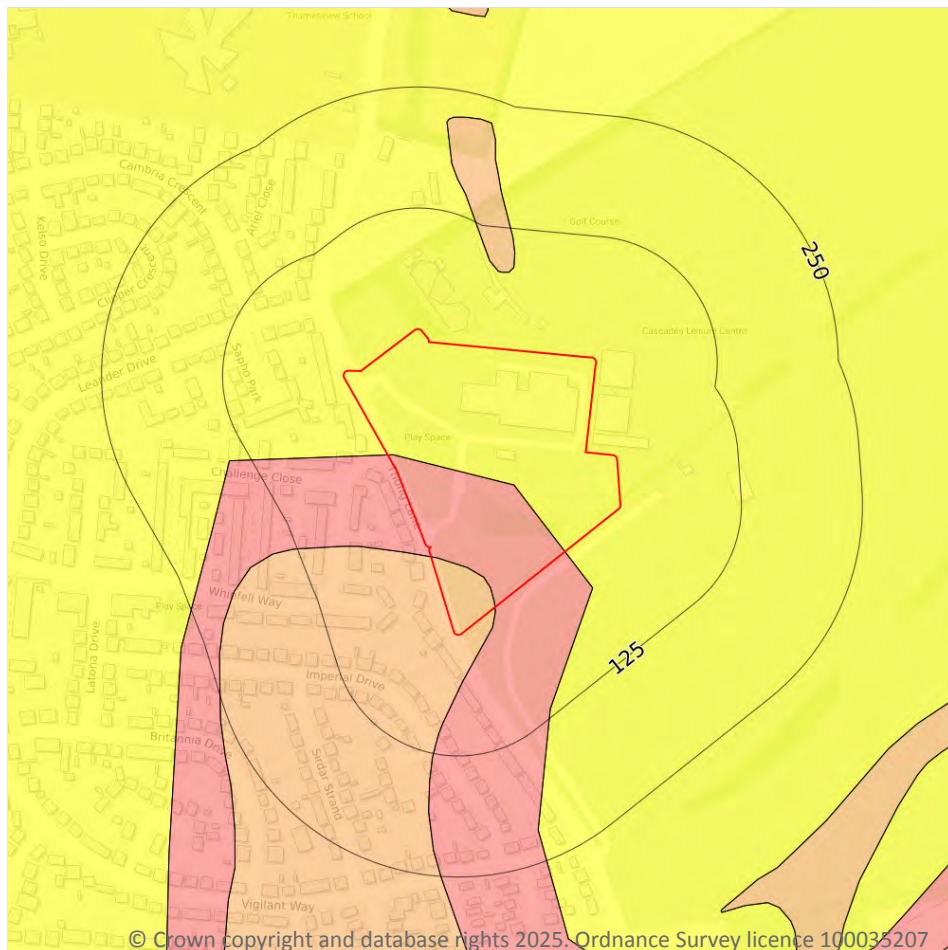


Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.6 Ground dissolution of soluble rocks

Records within 50m

3

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 93](#)

Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

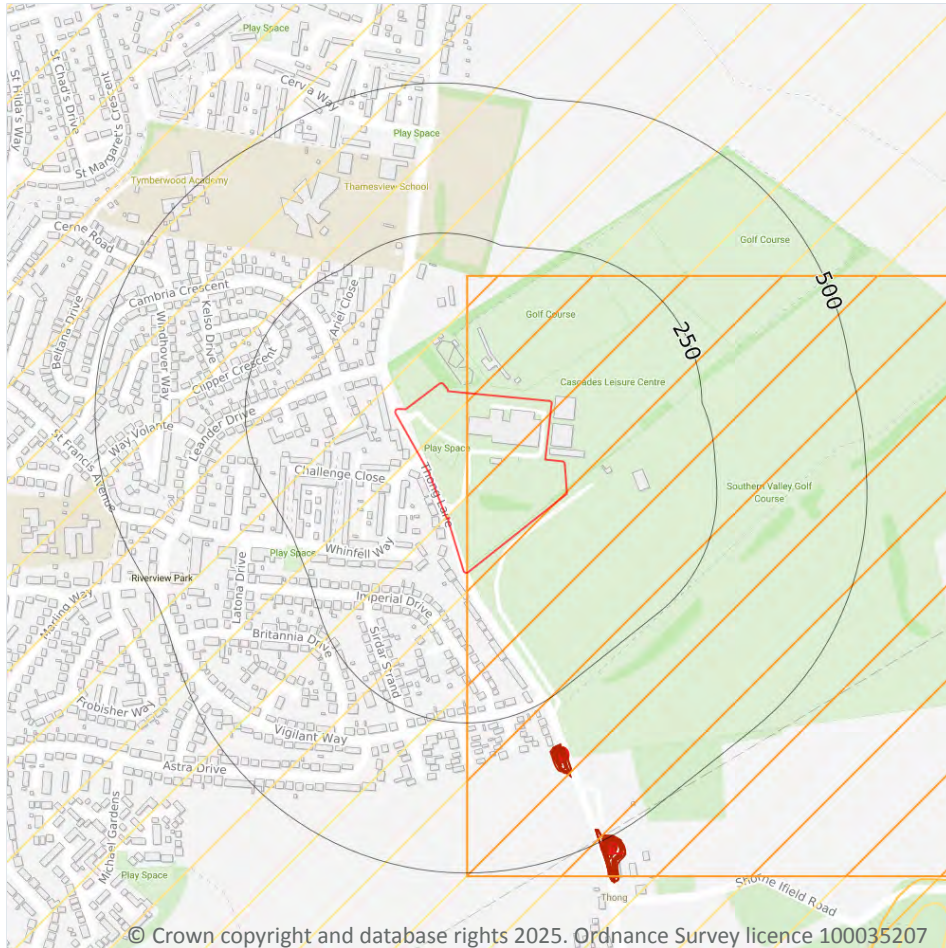


Location	Hazard rating	Details
On site	Low	Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.
On site	Moderate	Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.

This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
 - Sporadic underground mining of restricted extent possible
 - Localised small scale underground mining possible
 - Small scale mining possible
 - Underground mining known or likely within or in close proximity
 - Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

1

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 95](#) >



ID	Location	Details	Description
A	340m SE	Name: Harts Hill Chalk Pit Address: Singlewell, GRAVESEND, Kent Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	0
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Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0
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Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0
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This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

4

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 95 >](#)

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
2	On site	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
3	868m SE	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
4	909m SE	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.



18.7 JPB mining areas

Records on site

0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

2

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

Location	Mineral type
149m S	Stone
334m SE	Unspecified

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.



18.11 BGS mine plans

Records within 500m**0**

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site**0**

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site**0**

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site**0**

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site**0**

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



18.16 Clay mining

Records on site

0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).



19 Ground cavities and sinkholes



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents

19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.



19.2 Mining cavities

Records within 1000m

2

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

Features are displayed on the Ground cavities and sinkholes map on [page 101](#) >

ID	Location	Mine Address	Mineral
1	305m S	Thong, Kent	Chalk
-	767m SE	Thong, Kent	Chalk

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

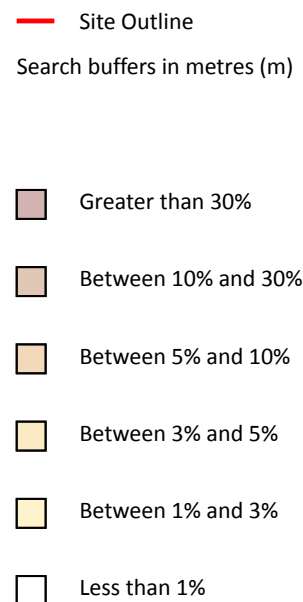
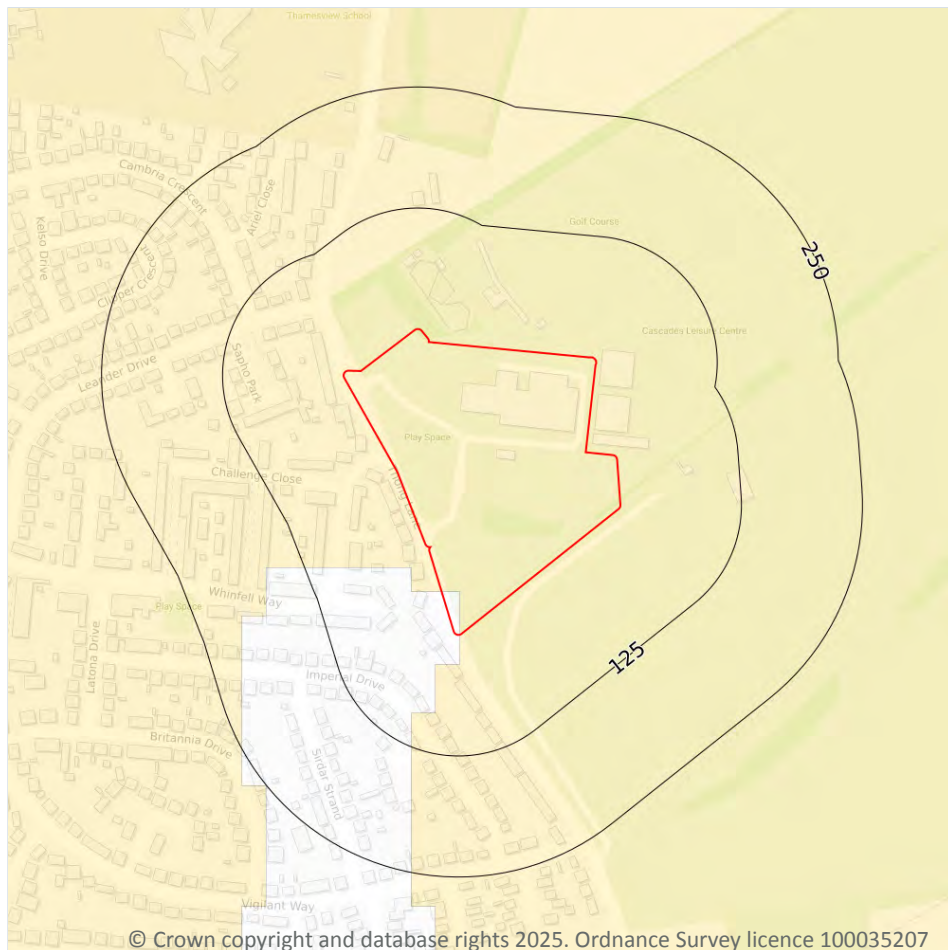
This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

2

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 103](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None



Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None

This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

7

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
5m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
6m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
21m SE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.



21.3 BGS Measured Urban Soil Chemistry

Records within 50m

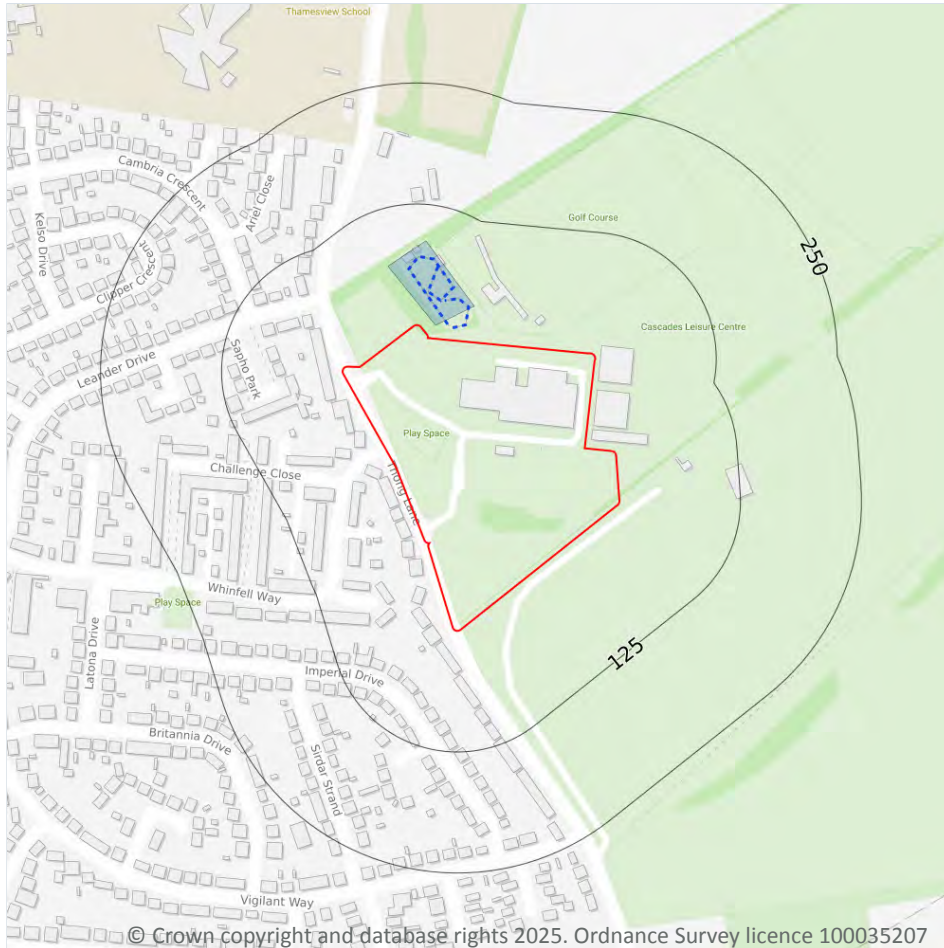
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

1

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 107 >](#)

Location	Land Use	Year of mapping	Mapping scale
13m NE	Railway Sidings	1981	10000

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.



22.7 Railways

Records within 250m**2**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 107 >](#)

Location	Name	Type
13m N	Not given	Narrow Gauge
14m N	Not given	Narrow Gauge

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m**0**

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m**0**

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.



APPENDIX 2

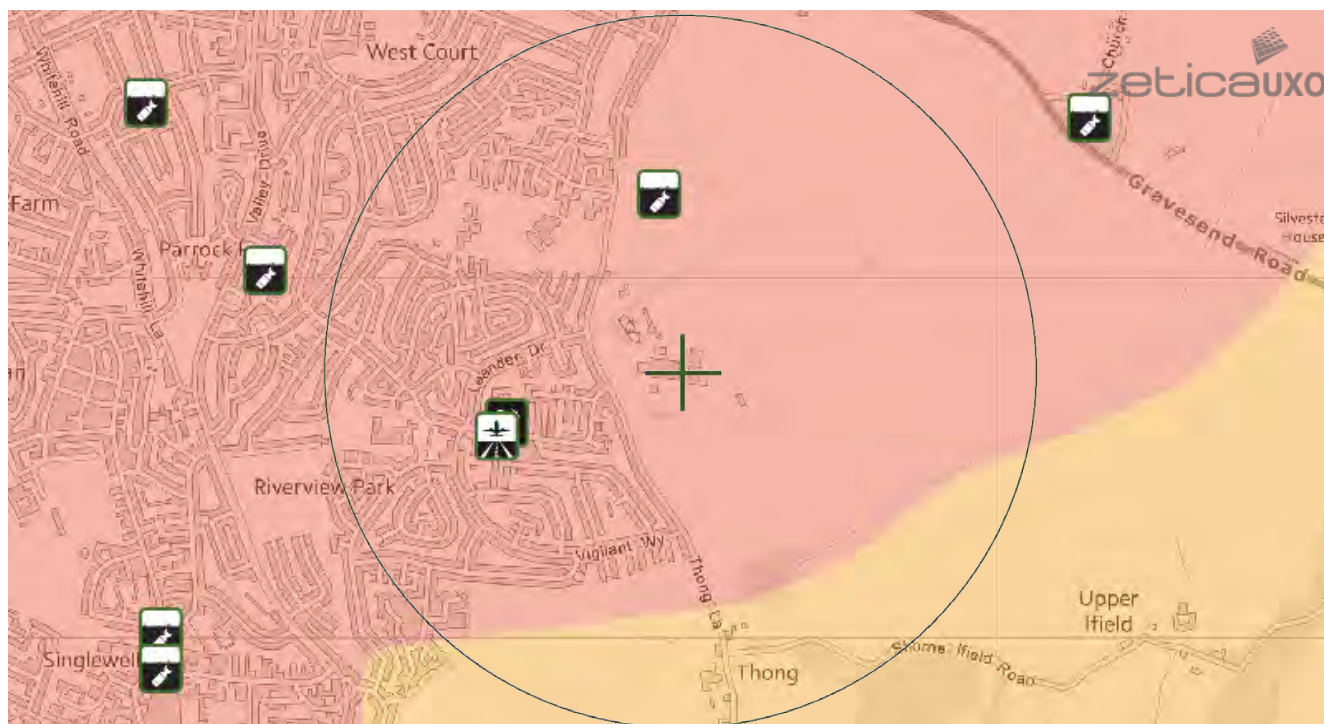
UXO MAP

UNEXPLODED BOMB RISK MAP



SITE LOCATION

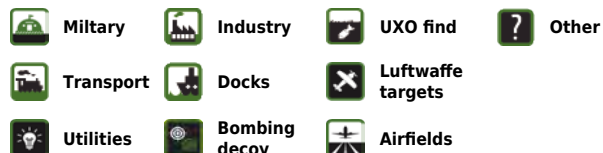
Map Centre: 567091,171744



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.



How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

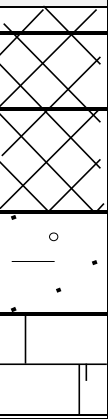
tel: +44 (0) 1993 886682 email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

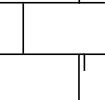
Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgement. The copyright remains with Zetica Ltd.

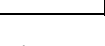
APPENDIX 3

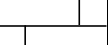
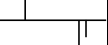
EXPLORATORY RECORDS

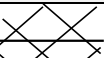
 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE		1			
CONTRACT		Thong Lane, Gravesend		Report Ref		25/13244/KJC	
Client		Willmott Dixon Construction Ltd		Date		15/10/2025	
Site Address		Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)			
1. none		Drive-in Window Sampler		Very easy:		Difficult:	
2.		60mm to 50mm diameter		Moderate:		Very hard: GL-1.60	
Water level observed upon completion (m): dry				Technician: DH, KM, HF			
Remarks No olfactory or visual evidence of contamination							
Samples or tests		Shear Strength (kPa)	Depth		Strata Description		
Type	Depth (m)						
D	0.25		0.10		MADE GROUND (macadam) MADE GROUND (brown silty SAND and flint GRAVEL)		
D	0.50		0.40		MADE GROUND (dark brown clayey SAND with brick fragments and flint gravel)		
D	1.00		0.80		Brown very sandy CLAY with chalk fragments and flint gravel		
D	1.50		1.20		Cream-white CHALK with flints		
			1.60		END OF BOREHOLE		

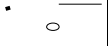
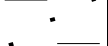
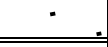
Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	3		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	15/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: DH, KM, HF			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.40		MADE GROUND (grass over brown silty SAND with flint gravel and roots)
D	0.30				
D	0.50				
			0.80	 	Dark brown silty CLAY with roots
D	1.00				White CHALK with pockets of brown silty CLAY and roots
D	1.50		1.60		
					END OF BOREHOLE

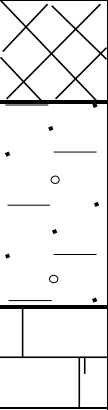
 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	4		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	15/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions		Ease of excavation (m)		
1. none	Drive-in Window Sampler		Very easy: Difficult:		
2.	60mm to 50mm diameter		Moderate: Very hard: GL-1.60		
Water level observed upon completion (m):		dry		Technician: DH, KM, HF	
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.30		0.15		MADE GROUND (macadam)
D	0.50		0.40		MADE GROUND (brown gravelly SAND. Gravel is of brick and flint)
D	1.00		1.00		MADE GROUND (brown/grey very sandy CLAY with chalk fragments, flint gravel and brick particles)
D	1.50		1.60		Cream-white CHALK with brown staining
					
					
					
					
					END OF BOREHOLE
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

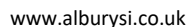
 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	5		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	15/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: DH, KM, HF			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.25		0.20		MADE GROUND (macadam)
D	0.50		0.40		MADE GROUND (brown gravelly SAND. Gravel is of flint and brick)
					MADE GROUND (dark grey/brown very sandy CLAY with chalk fragments)
D	1.00		1.00		
					Cream-white CHALK with brown staining
D	1.50		1.60		
					END OF BOREHOLE

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	6		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	15/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: DH, KM, HF			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.25		0.15		MADE GROUND (macadam)
D	0.50		0.40		MADE GROUND (brown gravelly SAND. Gravel is of brick)
			0.80		MADE GROUND (brown/grey very sandy CLAY with flint gravel and chalk fragments)
D	1.00				Cream-white CHALK with brown staining in the upper levels
D	1.50		1.60		
					END OF BOREHOLE

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	7		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	15/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: DH, KM, HF			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.20		0.15		MADE GROUND (macadam)
D	0.50		0.60		MADE GROUND (dark grey-brown very sandy CLAY with flint gravel and brick fragments)
D	1.00		1.00		MADE GROUND (dark grey/brown very sandy CLAY with rare flint gravel and brick particles)
			1.20		Brown very sandy CLAY with flint gravel
					Light brown very sandy CLAY with chalk fragments
D	1.50		1.60		
					END OF BOREHOLE

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	8		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	15/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: DH, KM, HF			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10				MADE GROUND (grass over brown silty SAND with chalk fragments, flint gravel and roots)
D	0.30				
D	0.50		0.60		
					Cream-white CHALK with rare flints
D	1.00				
D	1.50		1.60		END OF BOREHOLE

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	9		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	15/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: DH, KM, HF			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.40		MADE GROUND (grass over brown silty SAND with flint gravel and chalk fragments and roots) Brown very sandy CLAY and CHALK fragments with rare flint gravel Cream-white CHALK with rare flints END OF BOREHOLE
D	0.30				
D	0.50				
D	1.00		1.20		
D	1.50		1.60		



10

25/13244/KJC

13/10/2025

Ease of excavation (m)

Difficult:

Very hard: GL-1.60

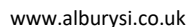
Technician: HF, EK, DH

No olfactory or visual evidence of contamination

[illegible]

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

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	11		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	13/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: HF, EK, DH			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.20		MADE GROUND (grass over brown silty SAND with flint gravel and roots)
D	0.30		0.30		MADE GROUND (brown very sandy CLAY with chalk fragments and roots)
D	0.50				MADE GROUND (brown/grey very sandy CLAY with flint gravel)
D	1.00		1.20		Cream-white CHALK
D	1.50		1.60		END OF BOREHOLE



12

25/13244/KJC

14/10/2025

Ease of excavation (m)

Difficult:

Very hard: GL-1.60

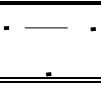
Technician: HF, EK, DH

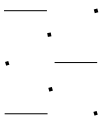
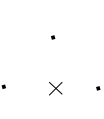
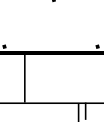
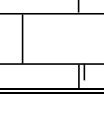
No olfactory or visual evidence of contamination

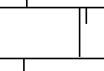
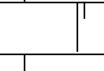
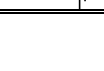
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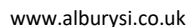
Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

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

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	14		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	13/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: HF, EK			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10				MADE GROUND (grass over brown clayey SAND with roots and rare flint gravel)
D	0.30				
D	0.50		0.50		
					MADE GROUND (brown/pale grey very sandy CLAY with roots)
D	1.00				
			1.30		Grey-brown clayey SAND with rare roots
D	1.50		1.60		
					END OF BOREHOLE

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk				BOREHOLE	15
CONTRACT		Thong Lane, Gravesend	Report Ref		25/13244/KJC
Client		Willmott Dixon Construction Ltd	Date		15/10/2025
Site Address		Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG	Ground Level		
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)	
1. none		Drive-in Window Sampler		Very easy: Difficult:	
2.		60mm to 50mm diameter		Moderate: Very hard: GL-3.10	
Water level observed upon completion (m): dry				Technician: DH, KM, HF	
Remarks No olfactory or visual evidence of contamination. Standpipe installed to 3m.					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.50		MADE GROUND (grass over brown silty SAND with chalk fragments and roots)
D	0.30				
D	0.50				
					Brown very sandy CLAY with roots
D	1.00				
					
D	1.50				
			1.60		Grey-brown silty SAND
D	2.00				
					Cream-white CHALK
D	2.50				
					
D	3.00				
			3.10		END OF BOREHOLE

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk				BOREHOLE		17			
CONTRACT		Thong Lane, Gravesend				Report Ref		25/13244/KJC	
Client		Willmott Dixon Construction Ltd				Date		14/10/2025	
Site Address		Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG				Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)					
1. none		Drive-in Window Sampler		Very easy:		Difficult: GL-2.70			
2.		60mm to 50mm diameter		Moderate:		Very hard:			
Water level observed upon completion (m):				dry		Technician: HF, EK, DH			
Remarks No olfactory or visual evidence of contamination. Standpipe installed to 2.70m.									
Samples or tests		Shear Strength (kPa)	Depth		Legend	Strata Description			
Type	Depth (m)								
D	0.10					MADE GROUND (grass over brown silty SAND with roots, chalk fragments and flint gravel)			
D	0.30			0.40					
D	0.50			0.70					
						Pale brown silty SAND with chalk fragments and flint gravel			
D	1.00			1.20					
						Cream-white CHALK with rare flints and brown staining			
D	1.50								
									
						END OF BOREHOLE			
D	2.00								
									
									
D	2.50			2.70					
									
									
									
									
									
									
									
									
									
									
									
									
									



18

25/13244/KJC

14/10/2025

Ease of excavation (m)

Difficult: GL-0.60

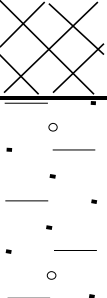
Very hard:

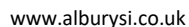
Technician: HF, EK, DH

No olfactory or visual evidence of contamination. Standpipe installed to 2.60m.

[illegible]

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

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	19		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	14/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: HF, EK, DH			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.40		MADE GROUND (leaf litter over brown silty SAND with flint gravel and roots)
D	0.30				Brown very sandy CLAY with rare flint gravel
D	0.50				
D	1.00		1.20		Off-white CHALK with rare pockets of brown silt
D	1.50				



20

25/13244/KJC

14/10/2025

Ease of excavation (m)

Difficult:

2.	60mm to 50mm diameter	Moderate:	Very hard: GL-1.30
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Water level observed upon completion (m): dry

Technician: HF, EK, DH

Remarks

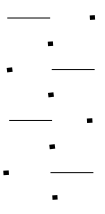
Strata Description

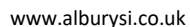
...the g.c., concrete ... the g.c. ... of ... the g.c. ...

ly sandy CLAY with chalk fragments - slight odour of

END OF BOREHOLE

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

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	21		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	14/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.40			
Water level observed upon completion (m): dry		Technician: HF, EK, DH			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10				MADE GROUND (grass over brown silty SAND with gravel and occasional roots)
D	0.30				
D	0.50		0.50		
					Brown very sandy CLAY with rare flint gravel and roots
D	1.00				
D	1.40		1.40		
					END OF BOREHOLE



22

25/13244/KJC

14/10/2025

Ground Level

Ease of excavation (m)

Difficult:

2.	60mm to 50mm diameter	Moderate:	Very hard: GL-1.60
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Water level observed upon completion (m): dry

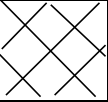
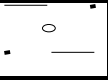
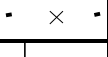
Technician: HF, EK, DH

Remarks

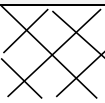
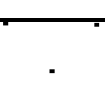
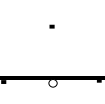
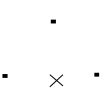
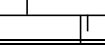
No olfactory or visual evidence of contamination

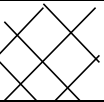
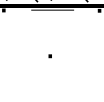
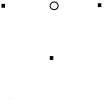
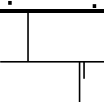
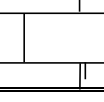
[illegible]

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

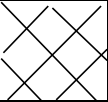
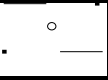
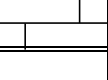
 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE		23			
CONTRACT		Thong Lane, Gravesend		Report Ref		25/13244/KJC	
Client		Willmott Dixon Construction Ltd		Date		14/10/2025	
Site Address		Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)			
1. none		Drive-in Window Sampler		Very easy:		Difficult:	
2.		60mm to 50mm diameter		Moderate:		Very hard: GL-1.60	
Water level observed upon completion (m): dry				Technician: HF, EK, DH			
Remarks No olfactory or visual evidence of contamination							
Samples or tests		Shear Strength (kPa)	Depth		Legend	Strata Description	
Type	Depth (m)						
D	0.40		0.40			MADE GROUND (macadam over concrete)	
						Brown very sandy CLAY with flint gravel	
D	0.75		0.70			Light brown silty SAND with chalk fragments	
D	1.00						
			1.30			Cream-white CHALK with brown staining	
D	1.50		1.60			END OF BOREHOLE	

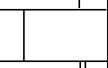
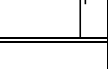
Symbol Code: **B** - Large Disturbed **D** - Small Disturbed **W** - Water Sample **R** - Root Sample **HSV** - Hand Shear Vane **PID** - Photo Ionisation Detector

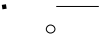
 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk				BOREHOLE		25				
CONTRACT		Thong Lane, Gravesend				Report Ref		25/13244/KJC		
Client		Willmott Dixon Construction Ltd				Date		13/10/2025		
Site Address		Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG				Ground Level				
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)						
1. none		Drive-in Window Sampler		Very easy: Difficult:						
2.		60mm to 50mm diameter		Moderate: Very hard: GL-3.10						
Water level observed upon completion (m):				dry		Technician: DH				
Remarks No olfactory or visual evidence of contamination. Standpipe installed to 3.00m.										
Samples or tests			Shear Strength (kPa)	Depth		Legend	Strata Description			
Type	Depth (m)									
D	0.10			0.40			MADE GROUND (grass over brown silty SAND with roots and flint gravel)			
D	0.30									
D	0.50									
							Brown clayey SAND with flint gravel and rare roots; grey-brown @1.00m			
D	1.00			1.20			Orange-brown/grey clayey SAND with root hairs			
D	1.50						Brown silty SAND with rare flint gravel			
D	2.00			2.00			Brown silty SAND with rare flint gravel			
D	2.50			2.80			Cream-white CHALK			
D	3.00			3.10			END OF BOREHOLE			

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk				BOREHOLE		27			
CONTRACT		Thong Lane, Gravesend				Report Ref		25/13244/KJC	
Client		Willmott Dixon Construction Ltd				Date		13/10/2025	
Site Address		Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG				Ground Level			
Water Strikes (m)		Type & Dimensions		Ease of excavation (m)					
1. none		Drive-in Window Sampler		Very easy:		Difficult:		1.70-2.70	
2.		60mm to 50mm diameter		Moderate:		Very hard:		GL-1.70	
Water level observed upon completion (m):				dry		Technician: DH			
Remarks No olfactory or visual evidence of contmaination. Standpipe installed to 2.70m.									
Samples or tests		Shear Strength (kPa)	Depth		Legend	Strata Description			
Type	Depth (m)								
D	0.10					MADE GROUND (grass over brown silty SAND with roots, chalk/brick fragments and flint gravel)			
D	0.30		0.40						
D	0.50								
			0.80			PROBABLE MADE GROUND (brown very sandy CLAY with roots hairs)			
D	1.00		1.20			PROBABLE MADE GROUND (off-white CHALK)			
						Brown silty/clayey sand with chalk fragments and flint gravel			
D	1.50								
D	2.00		2.00			Cream-white CHALK			
D	2.50					END OF BOREHOLE			
			2.70						

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

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	29			
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC		
Client	Willmott Dixon Construction Ltd		Date	13/10/2025		
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level			
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)				
1. none	Drive-in Window Sampler	Very easy: Difficult: GL-0.70				
2.	60mm to 50mm diameter	Moderate: Very hard: 0.70-1.20				
Water level observed upon completion (m): dry		Technician: HF, EK				
Remarks No olfactory or visual evidence of contamination						
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description	
Type	Depth (m)					
D	0.10		0.40 0.70 1.20		MADE GROUND (grass over brown clayey SAND with roots and rare flint gravel)	
D	0.30				Brown very sandy CLAY with rare flint gravel and chalk fragments	
D	0.50					Cream-white CHALK
D	0.75					
D	1.00					

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	30		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	13/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions		Ease of excavation (m)		
1. none	Drive-in Window Sampler		Very easy: Difficult:		
2.	60mm to 50mm diameter		Moderate: Very hard: GL-1.60		
Water level observed upon completion (m):		dry		Technician: HF, EK	
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10				MADE GROUND (grass over brown silty/clayey SAND with roots, rare flint gravel and brick fragments)
D	0.30		0.30		
D	0.50		0.50		
			0.80		POSSIBLE MADE GROUND (brown/grey very sandy CLAY with flint gravel and root hairs)
D	1.00				Cream-white CHALK
D	1.50		1.60		
					END OF BOREHOLE

 ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH www.alburysi.co.uk		BOREHOLE	31		
CONTRACT	Thong Lane, Gravesend		Report Ref	25/13244/KJC	
Client	Willmott Dixon Construction Ltd		Date	13/10/2025	
Site Address	Cascades Leisure Centre, Thong Lane, Gravesend, Kent DA12 4LG		Ground Level		
Water Strikes (m)	Type & Dimensions	Ease of excavation (m)			
1. none	Drive-in Window Sampler	Very easy: Difficult:			
2.	60mm to 50mm diameter	Moderate: Very hard: GL-1.60			
Water level observed upon completion (m): dry		Technician: HF, EK			
Remarks No olfactory or visual evidence of contamination					
Samples or tests		Shear Strength (kPa)	Depth	Legend	Strata Description
Type	Depth (m)				
D	0.10		0.20		MADE GROUND (grass over brown/grey very sandy CLAY with rare flint gravel and roots)
D	0.30				Brown very sandy CLAY with rare flint gravel and roots
D	0.50				
D	1.00		0.90		Cream-white CHALK
D	1.50		1.60		END OF BOREHOLE

APPENDIX 4

LABORATORY TEST RESULTS

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

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

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e: keith.clark@albury.co.uk

t: 01923 225404

f: 01923 237404

e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-055731

Project / Site name:	Thong Lane Gravesend	Samples received on:	15/10/2025
Your job number:	25 13244 KJC	Samples instructed on/ Analysis started on:	15/10/2025
Your order number:	15786	Analysis completed by:	03/11/2025
Report Issue Number:	1	Report issued on:	03/11/2025
Samples Analysed:	21 soil samples		



Signed:

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

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

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716528	716529	716530	716531	716532
Sample Reference	BH10	BH11	BH12	BH13	BH14
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	0.10-0.30	0.10-0.30	0.10
Date Sampled	13/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
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	14.9	< 0.1	5.6	16.8	5
Moisture Content	%	0.01	NONE	5.7	7.8	8.6	6.6	12
Total mass of sample received	kg	0.1	NONE	0.6	0.8	0.6	0.8	1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	SPU	SPU
Analysis completed	N/A	N/A	N/A	25/10/2025	25/10/2025	25/10/2025	25/10/2025	25/10/2025
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	-	0.194	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	Asbestos Cement	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.8	7.2	7.3	8.4	6.5
Total Sulphate as SO ₄	mg/kg	50	MCERTS	800	1100	960	1300	380
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	40	58	18	150	15
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	19.9	28.8	9.15	77.4	7.33
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.9	2.6	1.5	2.6	1

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.08	0.13	< 0.05	0.07	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	0.21	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.09	0.1	< 0.05	0.16	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.4	1.8	0.27	3	0.13
Anthracene	mg/kg	0.05	MCERTS	0.27	0.45	< 0.05	0.5	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	2.9	3.4	0.66	6.2	0.24
Pyrene	mg/kg	0.05	MCERTS	2.5	2.9	0.61	5.4	0.22
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.4	1.8	0.37	3	< 0.05
Chrysene	mg/kg	0.05	MCERTS	1.3	1.7	0.42	3.1	0.17
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.9	2.1	0.49	4.1	0.12
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.6	0.81	0.28	1.6	0.11
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.4	1.5	0.36	3	0.13
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.6	0.7	0.22	1.5	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.1	0.15	< 0.05	0.31	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.69	0.83	0.19	1.6	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	15.1	18.4	3.87	33.8	1.11
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Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716528	716529	716530	716531	716532
Sample Reference	BH10	BH11	BH12	BH13	BH14
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	0.10-0.30	0.10-0.30	0.10
Date Sampled	13/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	12	13	13	11
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1	0.94	1.4	1.4	1.3
Boron (water soluble)	mg/kg	0.2	MCERTS	1.4	0.7	1.1	4.1	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	0.4	0.4	1	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	35	35	63	54	53
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	35	35	63	54	53
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20	20	33	75	27
Lead (aqua regia extractable)	mg/kg	1	MCERTS	39	41	36	64	24
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.8	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	26	27	42	32	28
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	44	42	63	55	56
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	85	82	100	170	94

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	5.7	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	17	19	14	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_1D_AL}	mg/kg	10	NONE	21	19	15	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	17	25	14	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	17	25	14	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	3.6	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	11	11	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	22	25	< 10	15	< 10
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_1D_AR}	mg/kg	10	NONE	22	25	< 10	17	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	33	40	< 10	15	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	33	40	< 10	15	< 10

TPH Total >EC6 - EC40 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	55	68	22	35	< 10
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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	55	68	22	35	< 10

VOCs

Chloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
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Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716528	716529	716530	716531	716532
Sample Reference				BH10	BH11	BH12	BH13	BH14
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	0.10-0.30	0.10-0.30	0.10
Date Sampled				13/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
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	< 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	< 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
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	< 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	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
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	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
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	-	< 5.0	-	< 5.0	< 5.0
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	< 5.0
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	-	< 5.0	-	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716528	716529	716530	716531	716532
Sample Reference				BH10	BH11	BH12	BH13	BH14
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	0.10-0.30	0.10-0.30	0.10
Date Sampled				13/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
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

SVOCs

Aniline	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	-	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	-	< 0.05	-	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	-	< 0.3	-	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	< 0.2
Azobenzene	mg/kg	0.3	NONE	-	< 0.3	-	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.30	-	< 0.30	< 0.30
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	< 0.2
Anthraquinone	mg/kg	0.3	NONE	-	< 0.3	-	0.6	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	< 0.3	-	< 0.3	< 0.3

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

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716533	716534	716535	716536	716537
Sample Reference	BH16	BH17	BH18	BH19	BH20
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	0.10-0.30	0.10	0.10	0.10
Date Sampled	14/10/2025	14/10/2025	14/10/2025	14/10/2025	14/10/2025
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	< 0.1	< 0.1	< 0.1	< 0.1	78
Moisture Content	%	0.01	NONE	8.1	8.3	8.9	9.7	5.7
Total mass of sample received	kg	0.1	NONE	0.7	0.6	0.7	0.5	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	JSW	JSW	JSW
Analysis completed	N/A	N/A	N/A	25/10/2025	25/10/2025	25/10/2025	25/10/2025	25/10/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

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

pH (L099)	pH Units	N/A	MCERTS	7.6	8	7.7	7.4	10.8
Total Sulphate as SO ₄	mg/kg	50	MCERTS	550	950	710	660	3100
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	9.5	28	11	16	2700
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	4.77	14	5.29	7.77	1340
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.8	2.8	1.9	2.2	0.6

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.09	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.38	< 0.05	0.1	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.28	< 0.05	0.06	0.18
Phenanthrene	mg/kg	0.05	MCERTS	0.23	6.1	0.32	1.2	0.42
Anthracene	mg/kg	0.05	MCERTS	< 0.05	1.3	0.07	0.21	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.61	8	0.66	2.9	0.14
Pyrene	mg/kg	0.05	MCERTS	0.58	6.9	0.58	2.6	0.21
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.34	3.5	0.33	1.4	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.41	3.8	0.45	1.6	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.51	4	0.58	1.7	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.29	2.2	0.2	1.1	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.39	3.8	0.42	1.6	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.24	1.7	0.24	0.75	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.3	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.25	2.2	0.29	0.82	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	3.83	44.4	4.14	16.2	0.94
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Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716533	716534	716535	716536	716537
Sample Reference	BH16	BH17	BH18	BH19	BH20
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	0.10-0.30	0.10	0.10	0.10
Date Sampled	14/10/2025	14/10/2025	14/10/2025	14/10/2025	14/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	13	12	13	2.6
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.73	1	1.1	1.1	2.3
Boron (water soluble)	mg/kg	0.2	MCERTS	1.1	1.8	0.6	2.3	3.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	1.6	1.1	0.8	0.3
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	170	40	36	40	27
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	170	40	36	40	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	48	54	36	32	6.5
Lead (aqua regia extractable)	mg/kg	1	MCERTS	99	71	42	45	< 1.0
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.2	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	28	27	29	1.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.2	< 1.0	1.7	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	42	47	46	49	20
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	80	150	100	97	23

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	0.06
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	13
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	31
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	28	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_1D_AL}	mg/kg	10	NONE	33	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	28	< 10	< 10	< 10	43
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	28	< 10	< 10	< 10	43

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	1.1
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	2.7	< 2.0	< 2.0	11
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	20	< 10	< 10	22
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	28	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_1D_AR}	mg/kg	10	NONE	< 10	30	< 10	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	51	< 10	< 10	34
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	51	< 10	< 10	34

TPH Total >EC6 - EC40 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	48	53	< 10	14	83
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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	48	53 [#]	< 10	14 [#]	83

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
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Analytical Report Number: 25-055731
 Project / Site name: Thong Lane Gravesend
 Your Order No: 15786

Lab Sample Number				716533	716534	716535	716536	716537
Sample Reference				BH16	BH17	BH18	BH19	BH20
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	0.10-0.30	0.10	0.10	0.10
Date Sampled				14/10/2025	14/10/2025	14/10/2025	14/10/2025	14/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
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	-	-	-	-	-
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	-	-	-	-	-

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716533	716534	716535	716536	716537
Sample Reference				BH16	BH17	BH18	BH19	BH20
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	0.10-0.30	0.10	0.10	0.10
Date Sampled				14/10/2025	14/10/2025	14/10/2025	14/10/2025	14/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
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	-	-	-	-	-

SVOCs

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

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

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716538	716539	716540	716541	716542
Sample Reference	BH21	BH22	BH23	BH24	BH25
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10-0.30	0.10	0.10	0.10	0.10
Date Sampled	14/10/2025	14/10/2025	14/10/2025	14/10/2025	13/10/2025
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	11.8	20.9	94.6	15.4	4.4
Moisture Content	%	0.01	NONE	7.1	4.8	12	8.6	8.2
Total mass of sample received	kg	0.1	NONE	0.6	0.7	0.5	0.7	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	JSW	JSW	JSW	JSW	JSW
Analysis completed	N/A	N/A	N/A	25/10/2025	25/10/2025	25/10/2025	25/10/2025	25/10/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

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

pH (L099)	pH Units	N/A	MCERTS	7.9	7.9	8.6	7.8	6.8
Total Sulphate as SO ₄	mg/kg	50	MCERTS	830	550	720	700	870
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	64	32	200	30	30
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	31.9	15.9	102	14.9	14.9
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2	1.4	0.5	2.4	2.6

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.65	0.07	< 0.05	0.14	0.31
Anthracene	mg/kg	0.05	MCERTS	0.13	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	1.3	0.14	< 0.05	0.3	0.77
Pyrene	mg/kg	0.05	MCERTS	1.1	0.14	< 0.05	0.26	0.73
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.62	0.11	< 0.05	0.18	0.45
Chrysene	mg/kg	0.05	MCERTS	0.64	0.11	< 0.05	0.21	0.48
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.81	0.14	< 0.05	0.28	0.73
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.37	0.06	< 0.05	0.11	0.28
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.61	0.11	< 0.05	0.23	0.52
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.32	< 0.05	< 0.05	0.13	0.28
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.07
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.4	0.08	< 0.05	0.15	0.37

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	6.91	0.97	< 0.80	2	5
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Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716538	716539	716540	716541	716542
Sample Reference	BH21	BH22	BH23	BH24	BH25
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10-0.30	0.10	0.10	0.10	0.10
Date Sampled	14/10/2025	14/10/2025	14/10/2025	14/10/2025	13/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	12	9.1	8.7	19
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1	0.98	1.1	0.85	0.99
Boron (water soluble)	mg/kg	0.2	MCERTS	0.9	1.2	0.3	1	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	6.4	0.4	0.4	1.1	1.4
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	44	32	36	29	46
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	44	32	36	29	46
Copper (aqua regia extractable)	mg/kg	1	MCERTS	43	25	22	31	40
Lead (aqua regia extractable)	mg/kg	1	MCERTS	46	34	11	29	50
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	32	28	29	22	44
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0	2.2	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	45	44	47	38	44
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	78	75	94	1400

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10 ^{##}	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH Total >EC6 - EC40 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
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Petroleum Range Organics (EC6 - EC10) _{HS_1D_TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10 ^{##}	< 10	< 10

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
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Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716538	716539	716540	716541	716542
Sample Reference				BH21	BH22	BH23	BH24	BH25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.10	0.10	0.10	0.10
Date Sampled				14/10/2025	14/10/2025	14/10/2025	14/10/2025	13/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
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	-	-	-	-	-
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	-	-	-	-	-

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716538	716539	716540	716541	716542
Sample Reference				BH21	BH22	BH23	BH24	BH25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.10	0.10	0.10	0.10
Date Sampled				14/10/2025	14/10/2025	14/10/2025	14/10/2025	13/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
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	-	-	-	-	-

SVOCs

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

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

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716543	716544	716545	716546	716547
Sample Reference	BH26	BH27	BH28	BH29	BH30
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10	0.10-0.30	0.10-0.30
Date Sampled	14/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
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	46.7	35.6	4.7	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	4.6	5.4	8.2	8.7	8.5
Total mass of sample received	kg	0.1	NONE	0.6	0.8	0.9	0.6	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN	MJN	MJN	MJN	MJN
Analysis completed	N/A	N/A	N/A	25/10/2025	25/10/2025	25/10/2025	25/10/2025	25/10/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

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

pH (L099)	pH Units	N/A	MCERTS	8	7.7	7.6	7	5.7
Total Sulphate as SO ₄	mg/kg	50	MCERTS	1100	900	670	820	720
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	140	48	20	21	35
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	68.7	23.8	9.91	10.6	17.3
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.9	2.3	2.2	1.9	2.1

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.1	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1	0.46	0.21	< 0.05	0.16
Anthracene	mg/kg	0.05	MCERTS	0.2	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	1.2	1.2	0.53	0.19	0.37
Pyrene	mg/kg	0.05	MCERTS	1.1	1.1	0.46	0.19	0.32
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.58	0.66	0.27	0.11	0.2
Chrysene	mg/kg	0.05	MCERTS	0.53	0.71	0.31	0.14	0.22
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.6	0.95	0.41	0.18	0.33
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.26	0.44	0.15	0.07	0.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.49	0.78	0.34	0.13	0.22
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.25	0.43	0.17	0.08	0.13
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.06	0.09	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.3	0.51	0.22	0.09	0.16

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	6.83	7.33	3.08	1.18	2.21
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Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716543	716544	716545	716546	716547
Sample Reference	BH26	BH27	BH28	BH29	BH30
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.10	0.10	0.10	0.10-0.30	0.10-0.30
Date Sampled	14/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.9	12	11	11	11
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.91	0.92	1.1	0.97	1
Boron (water soluble)	mg/kg	0.2	MCERTS	1.9	1.3	1.1	0.8	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.3	6.7	0.4	0.3	0.4
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	33	38	39	38	37
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	33	38	39	38	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	35	69	32	31	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	31	46	34	35	38
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	29	29	23	28	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1	< 1.0	1.1	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	42	42	47	43	45
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	97	130	110	86	89

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	1.7	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	4.9	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	10	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	12	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_1D_AR}	mg/kg	10	NONE	12	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	29	< 10	< 10	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	29	< 10	< 10	< 10	< 10

TPH Total >EC6 - EC40 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	29	< 10	< 10	< 10	< 10
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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	29	< 10	< 10	< 10	< 10

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
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Analytical Report Number: 25-055731
 Project / Site name: Thong Lane Gravesend
 Your Order No: 15786

Lab Sample Number				716543	716544	716545	716546	716547
Sample Reference				BH26	BH27	BH28	BH29	BH30
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.10	0.10	0.10-0.30	0.10-0.30
Date Sampled				14/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
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	-	-	-	-	-
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	-	-	-	-	-

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716543	716544	716545	716546	716547
Sample Reference				BH26	BH27	BH28	BH29	BH30
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.10	0.10	0.10-0.30	0.10-0.30
Date Sampled				14/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
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	-	-	-	-	-

SVOCs

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

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

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	716548			
Sample Reference	BH31			
Sample Number	None Supplied			
Water Matrix	N/A			
Depth (m)	0.10			
Date Sampled	13/10/2025			
Time Taken	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	9.7
Total mass of sample received	kg	0.1	NONE	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN
Analysis completed	N/A	N/A	N/A	25/10/2025
Actinolite detected	Type	N/A	ISO 17025	-
Amosite detected	Type	N/A	ISO 17025	-
Anthophyllite detected	Type	N/A	ISO 17025	-
Chrysotile detected	Type	N/A	ISO 17025	-
Crocidolite detected	Type	N/A	ISO 17025	-
Tremolite detected	Type	N/A	ISO 17025	-

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

pH (L099)	pH Units	N/A	MCERTS	6.4
Total Sulphate as SO ₄	mg/kg	50	MCERTS	800
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	82
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	41.2
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.3

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.06
Acenaphthylene	mg/kg	0.05	MCERTS	0.23
Acenaphthene	mg/kg	0.05	MCERTS	0.07
Fluorene	mg/kg	0.05	MCERTS	0.09
Phenanthrene	mg/kg	0.05	MCERTS	2
Anthracene	mg/kg	0.05	MCERTS	0.4
Fluoranthene	mg/kg	0.05	MCERTS	5.6
Pyrene	mg/kg	0.05	MCERTS	4.8
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.8
Chrysene	mg/kg	0.05	MCERTS	2.9
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	3
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.4
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.25
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.6

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	30.5
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Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716548
Sample Reference				BH31
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10
Date Sampled				13/10/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1
Boron (water soluble)	mg/kg	0.2	MCERTS	1.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2
Chromium (III)	mg/kg	1	NONE	37
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	37
Lead (aqua regia extractable)	mg/kg	1	MCERTS	51
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	27
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	44
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	100

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	13
TPHCWG - Aliphatic >EC21 - EC40 _{EH_CU_1D_AL}	mg/kg	10	NONE	15
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	13
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	13

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	3.9
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	22
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	44
TPHCWG - Aromatic >EC21 - EC40 _{EH_CU_1D_AR}	mg/kg	10	NONE	47
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	71
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	71

TPH Total >EC6 - EC40 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	90
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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	90

VOCs

Chloromethane	µg/kg	5	MCERTS	-
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Analytical Report Number: 25-055731
 Project / Site name: Thong Lane Gravesend
 Your Order No: 15786

Lab Sample Number				716548
Sample Reference				BH31
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10
Date Sampled				13/10/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
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
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
Carbontetrachloride	µg/kg	5	MCERTS	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-
Trichloroethene	µg/kg	10	MCERTS	-
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
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
p & m-Xylene	µg/kg	8	MCERTS	< 8.0
Styrene	µg/kg	5	MCERTS	-
Bromoform	µg/kg	5	MCERTS	-
o-Xylene	µg/kg	5	MCERTS	< 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	-

Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number				716548
Sample Reference				BH31
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10
Date Sampled				13/10/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
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	-

SVOCs

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

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



Analytical Report Number: 25-055731
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

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

Quantitative Analysis

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

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

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

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
716529	BH11	0.10-	132	Asbestos Cement	Chrysotile	0.194	0.194	25/10/2025	SPU

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

Analytical Report Number : 25-055731

Project / Site name: Thong Lane Gravesend

* 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 *
716528	BH10	None Supplied	0.1	Light brown loam and sand with gravel and stones
716529	BH11	None Supplied	0.1	Brown loam and sand with gravel and vegetation
716530	BH12	None Supplied	0.10-0.30	Brown loam and clay with vegetation and stones
716531	BH13	None Supplied	0.10-0.30	Brown loam and sand with gravel and stones
716532	BH14	None Supplied	0.1	Brown clay and loam with vegetation and stones
716533	BH16	None Supplied	0.1	Brown loam and sand with gravel and vegetation
716534	BH17	None Supplied	0.10-0.30	Brown loam and sand with gravel and vegetation
716535	BH18	None Supplied	0.1	Brown loam and sand with gravel and vegetation
716536	BH19	None Supplied	0.1	Brown loam and sand with gravel and vegetation
716537	BH20	None Supplied	0.1	Grey sand with stones
716538	BH21	None Supplied	0.10-0.30	Brown sand with vegetation and stones
716539	BH22	None Supplied	0.1	Brown sand with stones and vegetation
716540	BH23	None Supplied	0.1	Brown clay with stones
716541	BH24	None Supplied	0.1	Brown sand with vegetation and stones
716542	BH25	None Supplied	0.1	Brown sand with vegetation and stones
716543	BH26	None Supplied	0.1	Brown sand with stones and vegetation
716544	BH27	None Supplied	0.1	Brown sand with stones and vegetation
716545	BH28	None Supplied	0.1	Light brown loam and sand with gravel and vegetation
716546	BH29	None Supplied	0.10-0.30	Brown loam and sand with gravel and vegetation
716547	BH30	None Supplied	0.10-0.30	Brown loam and sand with gravel and vegetation
716548	BH31	None Supplied	0.1	Brown loam and sand with gravel and vegetation

Analytical Report Number : 25-055731

Project / Site name: Thong Lane Gravesend

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	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
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
TPH Chromatogram in soil	TPH Chromatogram in soil	In-house method	L064B	D	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE

Analytical Report Number : 25-055731

Project / Site name: Thong Lane Gravesend

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 diphenylcarbazine followed by colorimetry	In-house method	L080-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

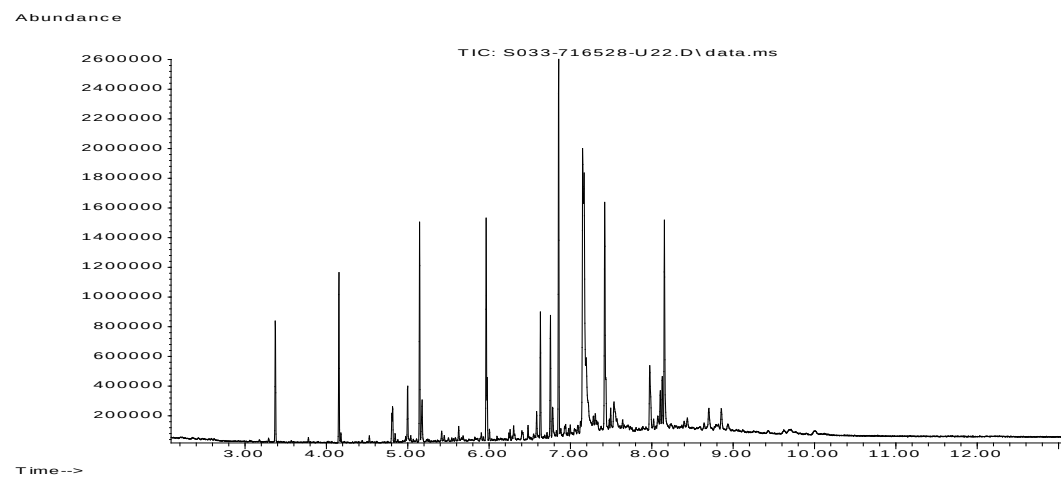
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

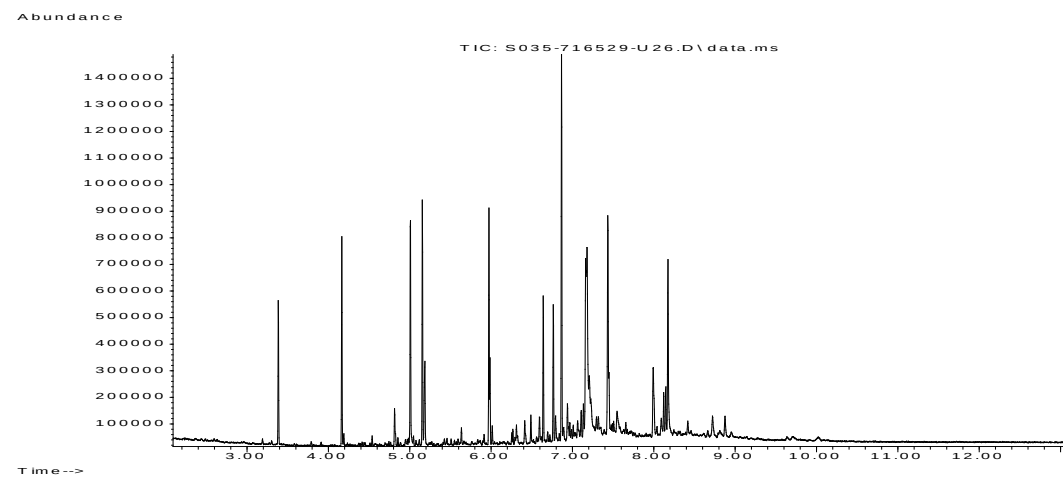
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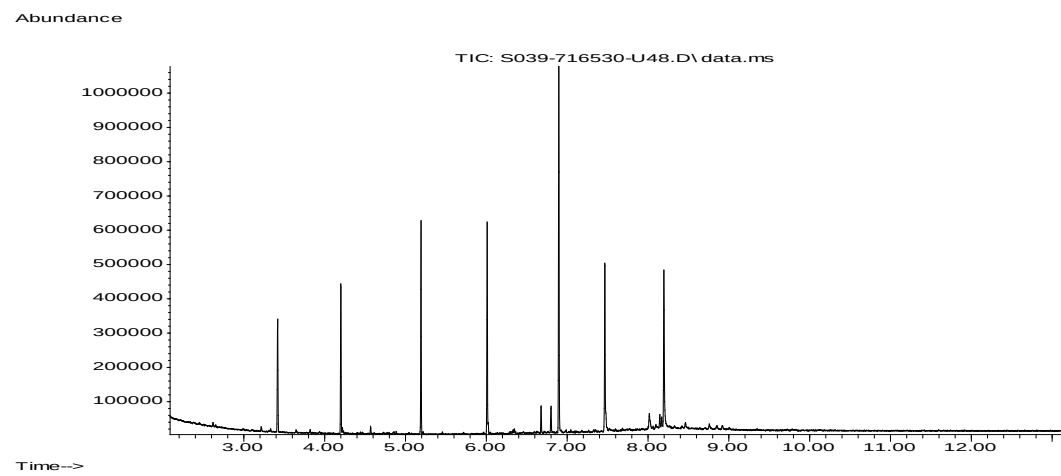
The result for sum should be interpreted with caution

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

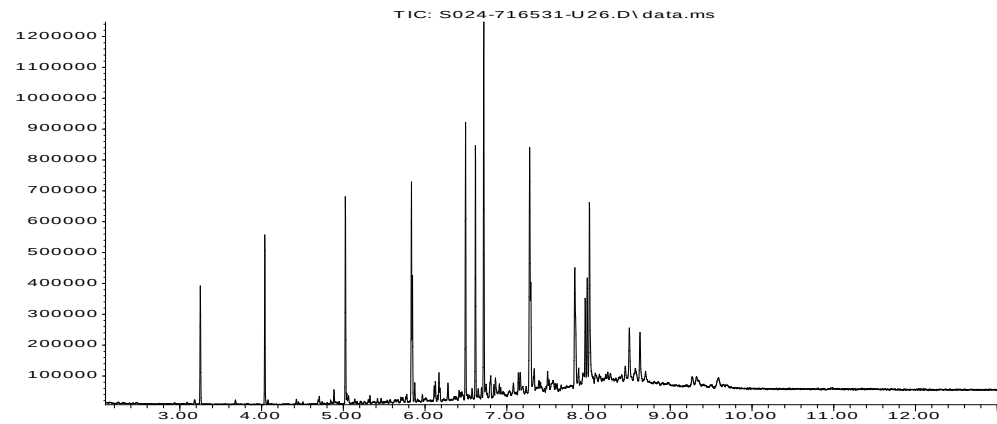
#- Quality control parameter failure associated with this result; other checks applied prior to reporting the data have been accepted. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.



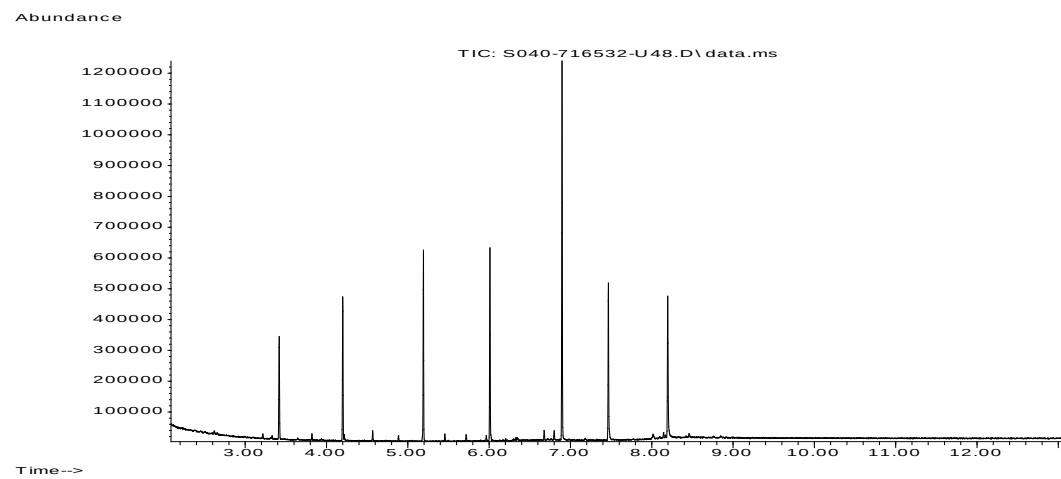


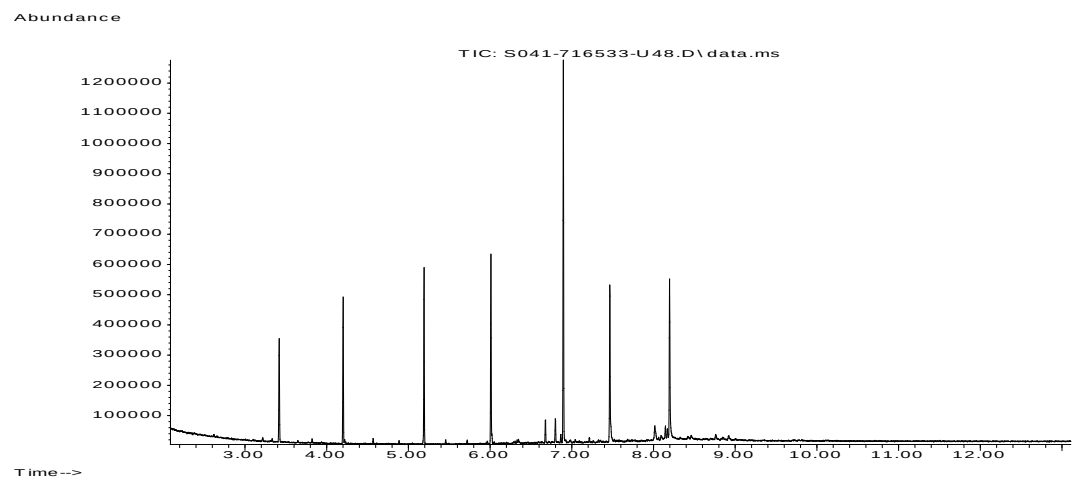


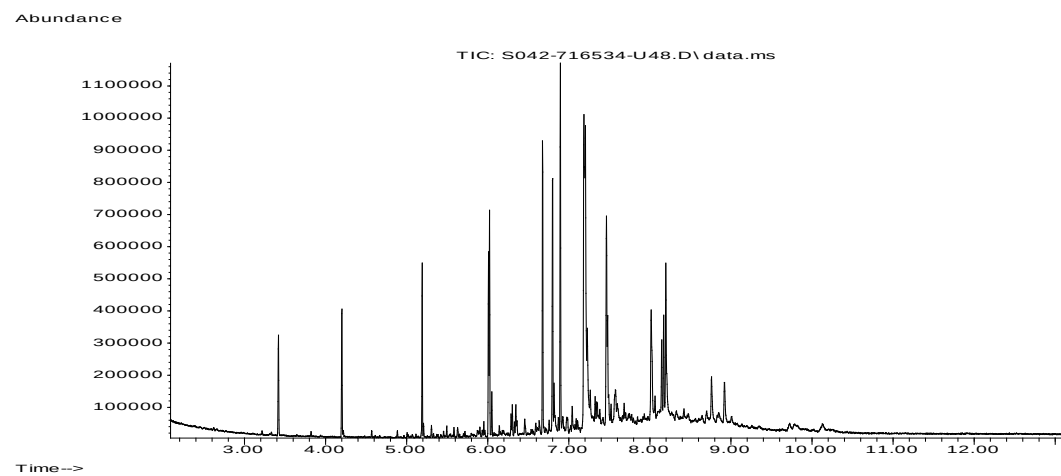
Abundance

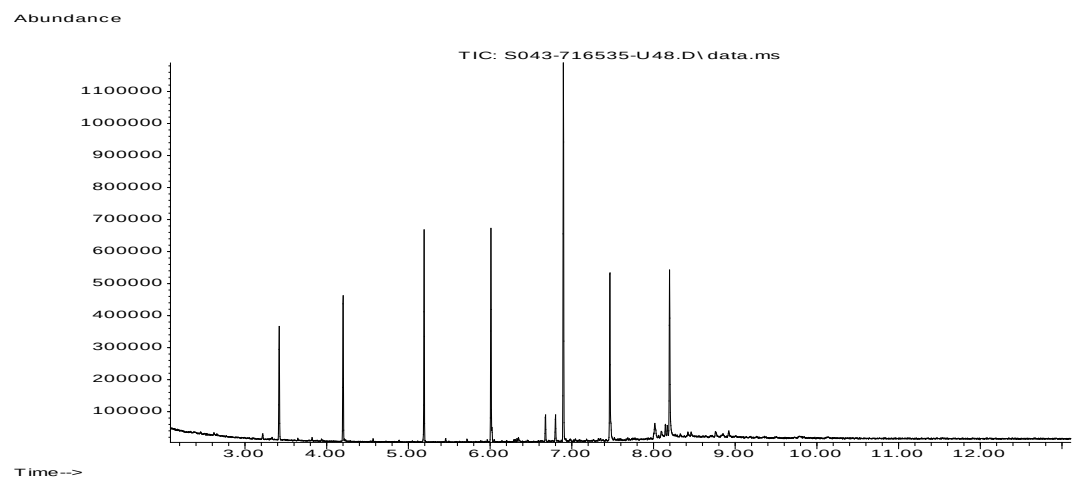


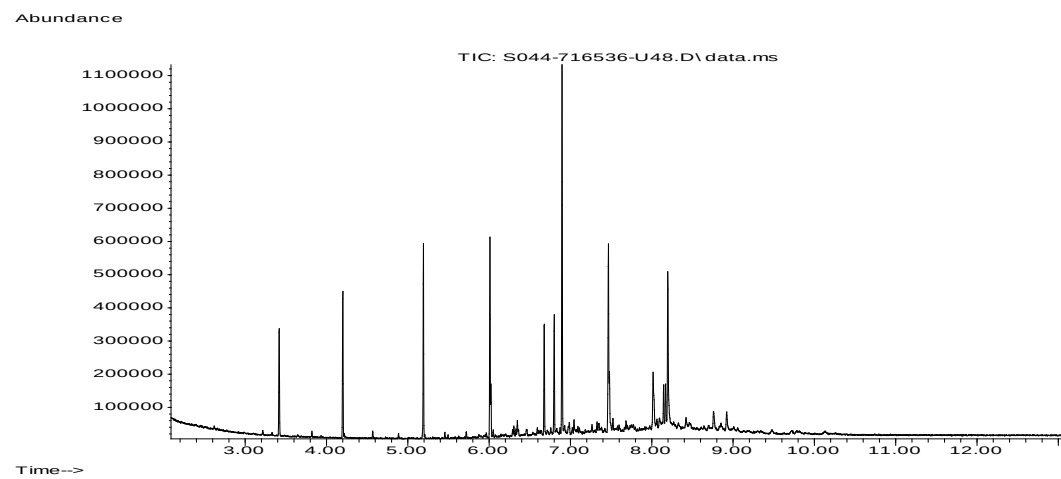
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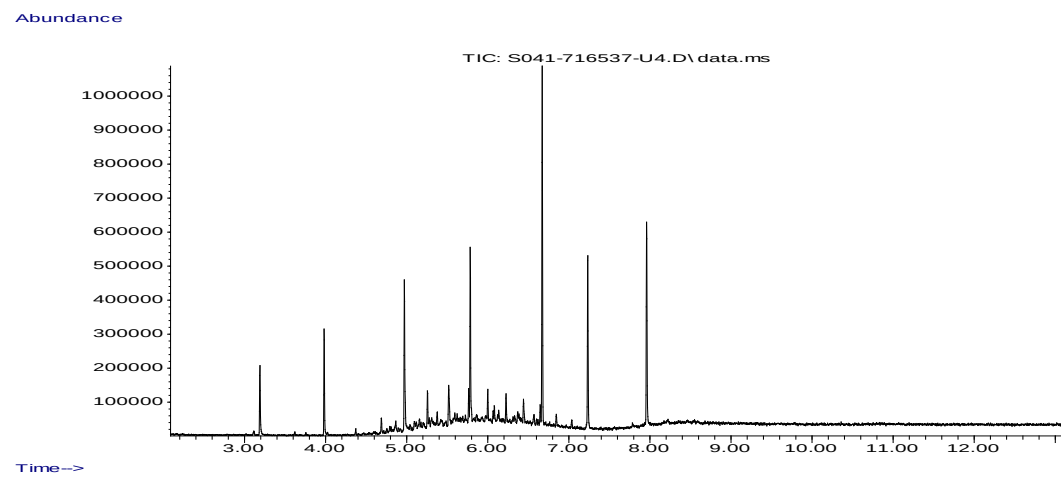


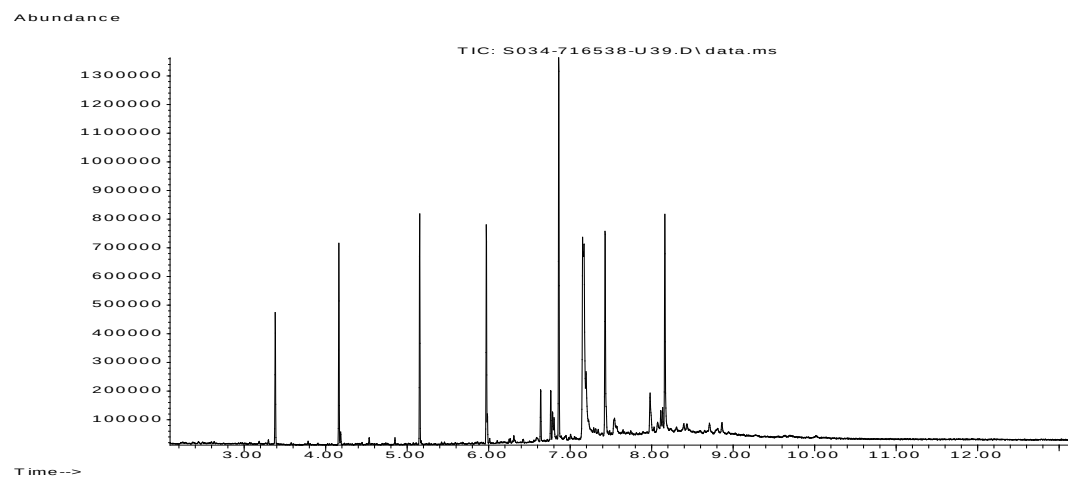




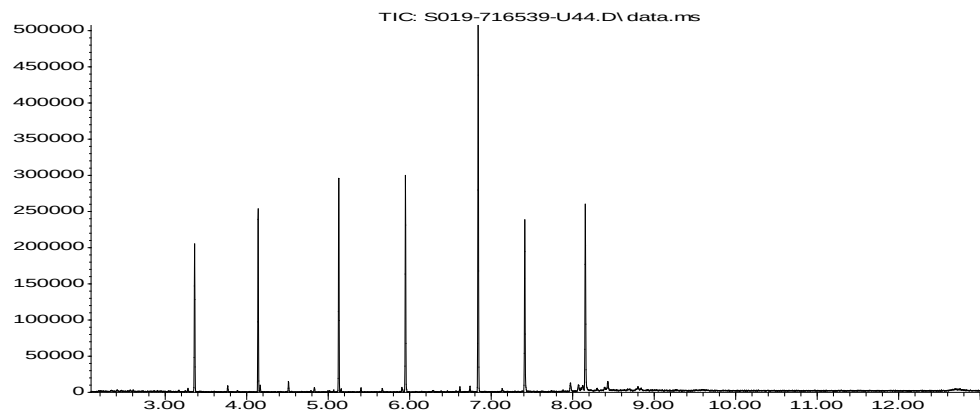




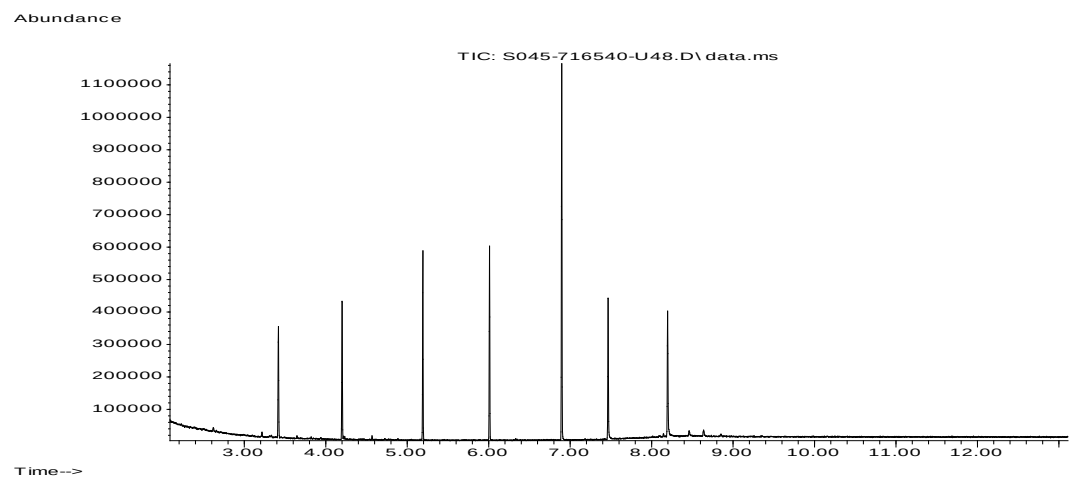




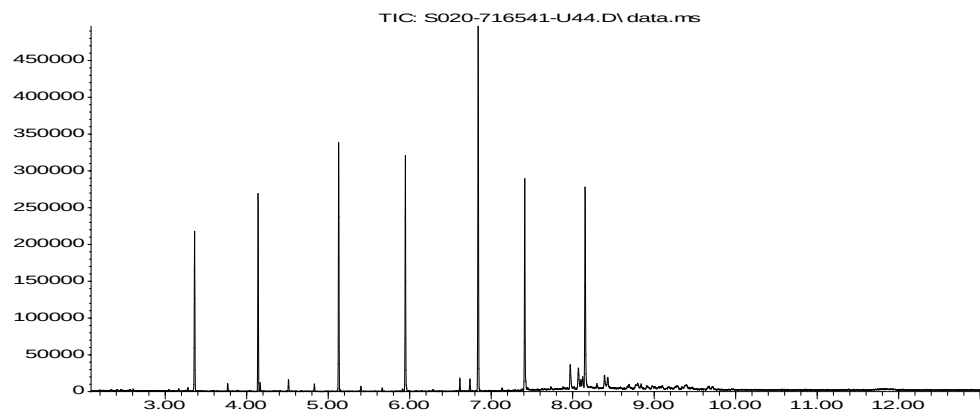
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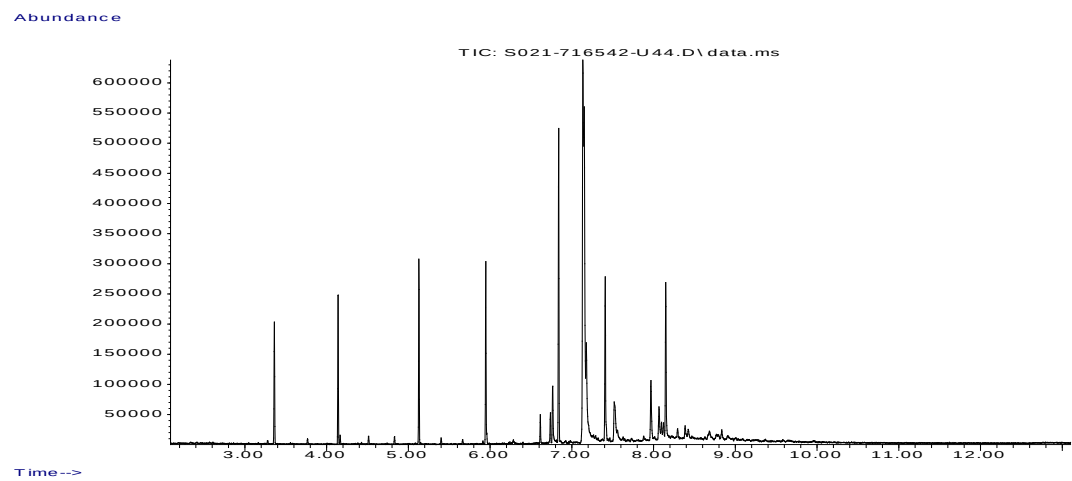


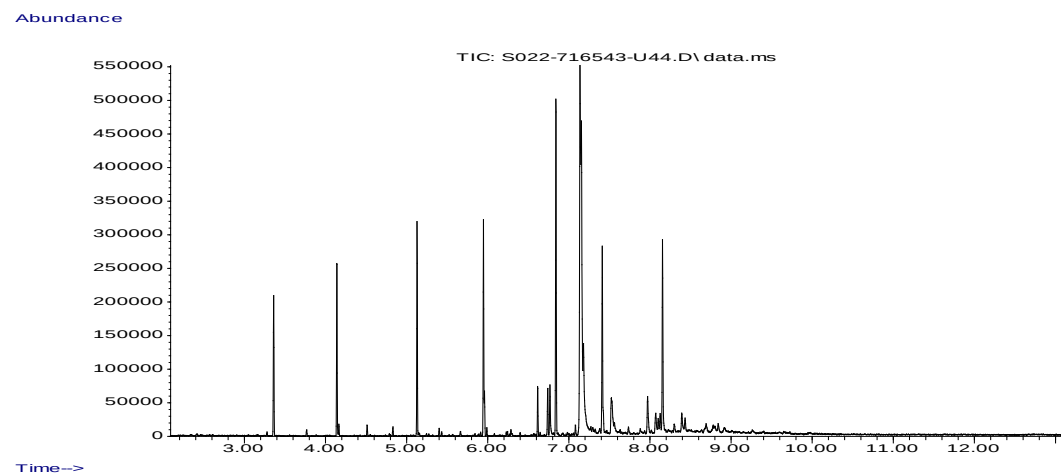
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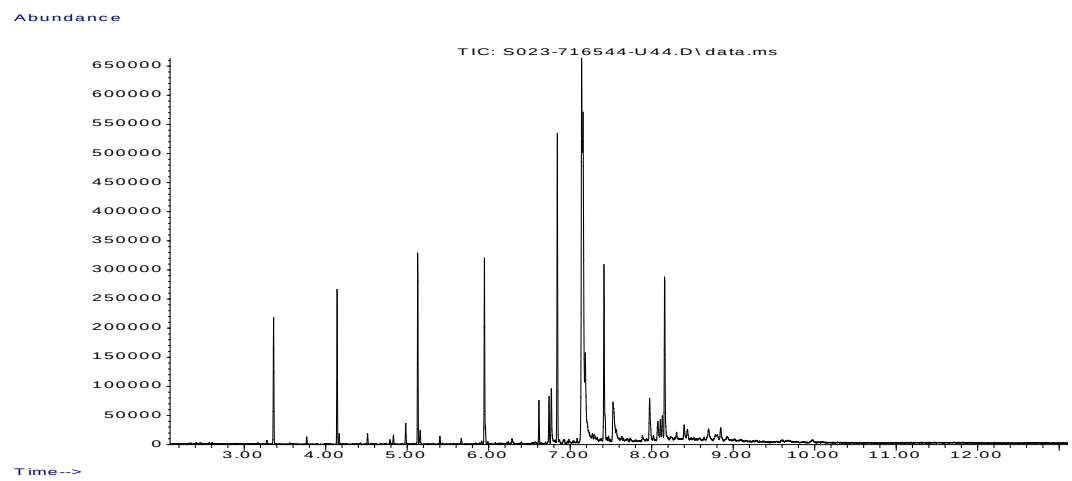


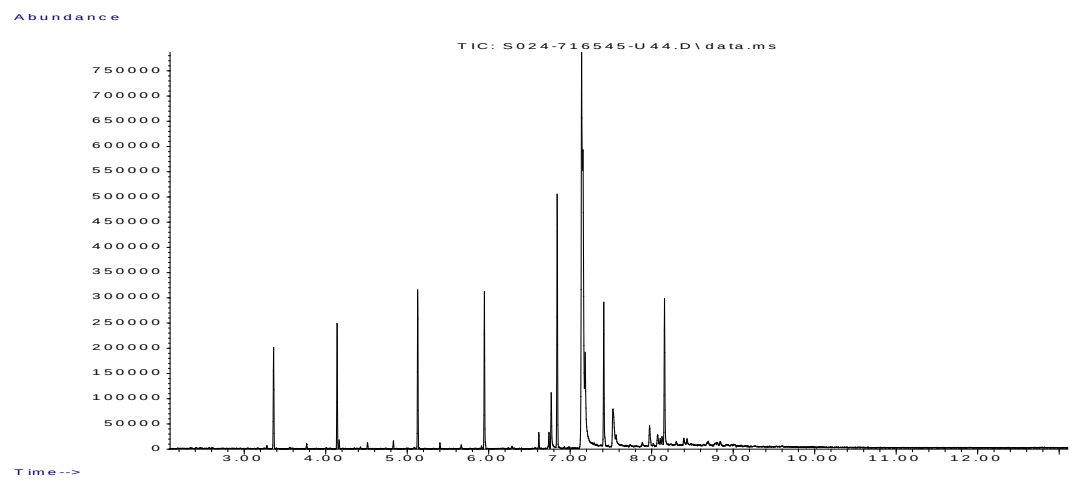
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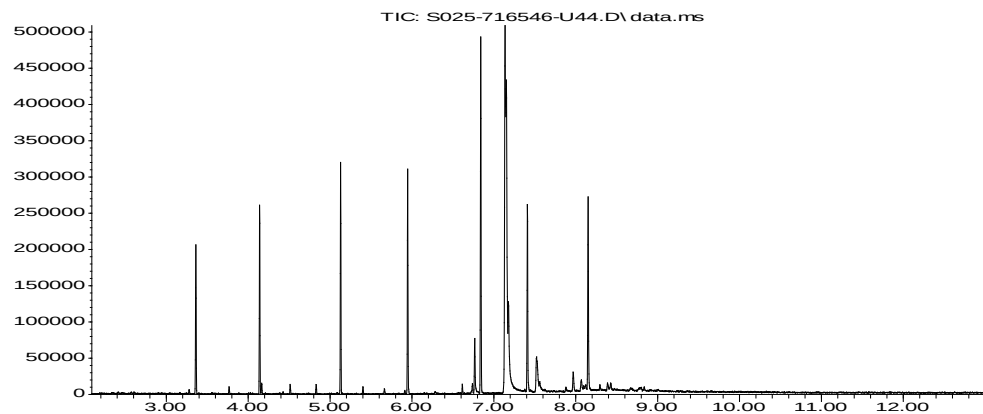




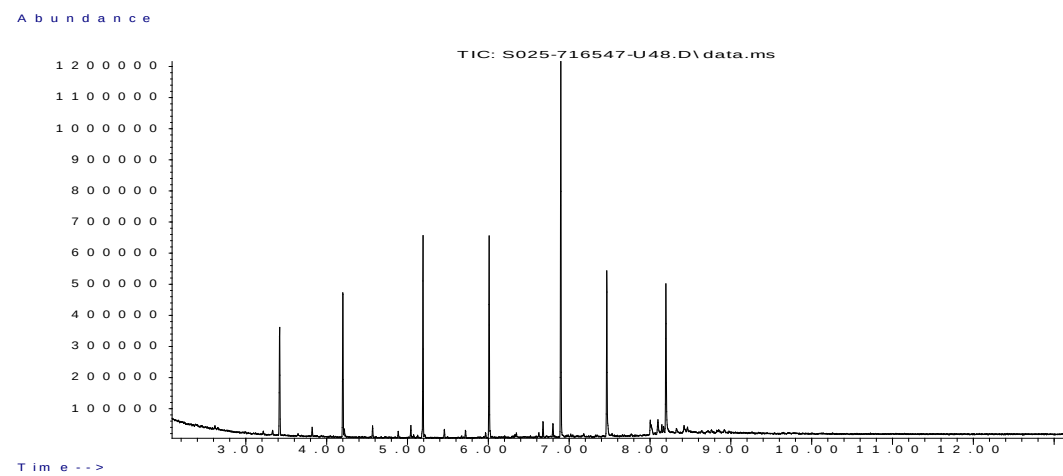


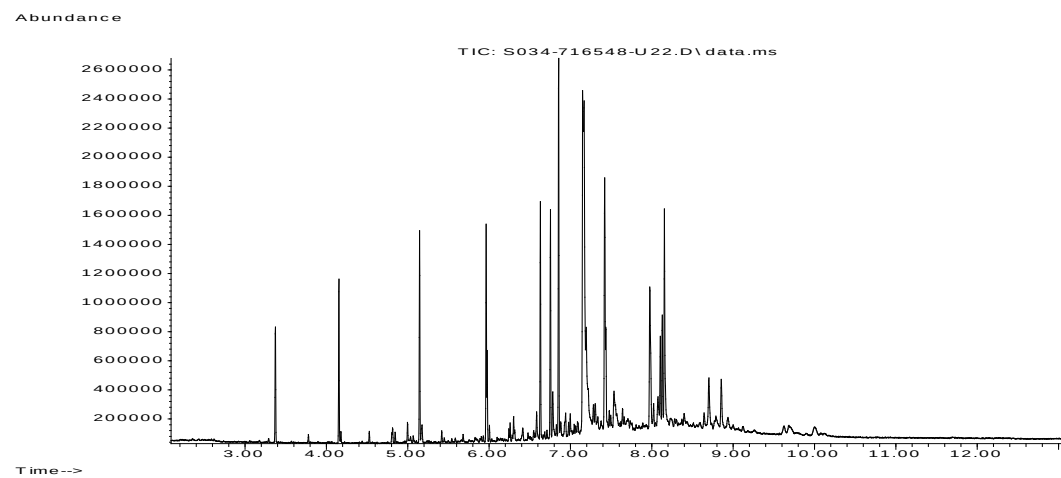


Abundance



Time-->







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Analytical Report Number : 25-056378

Project / Site name:	Thong Lane Gravesend	Samples received on:	17/10/2025
Your job number:	25 13244 KJC	Samples instructed on/ Analysis started on:	17/10/2025
Your order number:	15786	Analysis completed by:	05/11/2025
Report Issue Number:	1	Report issued on:	06/11/2025
Samples Analysed:	10 soil samples		

Signed:

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

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

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

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

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

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

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

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

Analytical Report Number: 25-056378
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	719710	719711	719712	719713	719714
Sample Reference	1	2	3	4	5
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)	0.25	0.20	0.10	0.30	0.25
Date Sampled	15/10/2025	15/10/2025	15/10/2025	15/10/2025	15/10/2025
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	58.9	43.8	7.6	44.9	< 0.1
Moisture Content	%	0.01	NONE	5	5.8	8.9	8	7.8
Total mass of sample received	kg	0.1	NONE	0.9	0.9	0.5	0.8	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	KWB	KWB	KWB	KWB	KWB
Analysis completed	N/A	N/A	N/A	28/10/2025	28/10/2025	28/10/2025	28/10/2025	28/10/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	Detected	Detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	Not-detected
Tremolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	Not-detected

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	0.002	< 0.001
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	Loose Fibres	Loose Fibres
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.4	8.4	7.7	8.1	8.3
Total Sulphate as SO ₄	mg/kg	50	MCERTS	500	420	1400	750	910
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	85	20	39	35	35
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	42.6	9.94	19.2	17.7	17.5
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1	0.6	3.5	1.2	1.7

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	0.41	1.2
Acenaphthylene	mg/kg	0.05	MCERTS	0.43	< 0.05	0.11	0.75	1.7
Acenaphthene	mg/kg	0.05	MCERTS	1.4	< 0.05	0.2	4	6.3
Fluorene	mg/kg	0.05	MCERTS	2.7	< 0.05	0.15	3.2	5.5
Phenanthrene	mg/kg	0.05	MCERTS	14	0.25	3	61	95
Anthracene	mg/kg	0.05	MCERTS	3.4	0.07	0.65	14	22
Fluoranthene	mg/kg	0.05	MCERTS	20	0.53	7.5	83	140
Pyrene	mg/kg	0.05	MCERTS	17	0.53	6.7	70	120
Benzo(a)anthracene	mg/kg	0.05	MCERTS	8.1	0.31	3.3	34	64
Chrysene	mg/kg	0.05	MCERTS	8	0.3	3.7	34	57
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	9.4	0.46	4.6	38	65
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	4.7	0.16	2	16	35
Benzo(a)pyrene	mg/kg	0.05	MCERTS	8.1	0.39	3.8	32	60
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	3.8	0.23	1.8	15	27
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.65	< 0.05	0.34	2.5	4.7
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4.1	0.31	2	16	28

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	106	3.54	39.9	425	739
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Analytical Report Number: 25-056378
Project / Site name: Thong Lane Gravesend
Your Order No: 15786

Lab Sample Number	719710	719711	719712	719713	719714
Sample Reference	1	2	3	4	5
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)	0.25	0.20	0.10	0.30	0.25
Date Sampled	15/10/2025	15/10/2025	15/10/2025	15/10/2025	15/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.2	11	12	14	14
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.47	0.5	1.1	1.2	1.2
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	< 0.2	3.3	0.4	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	< 0.2	1	1.8	4
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	14	14	38	41	36
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	14	38	41	36
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.9	11	41	75	420
Lead (aqua regia extractable)	mg/kg	1	MCERTS	20	7.5	65	130	260
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	16	34	36	30
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.3	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	21	21	48	54	45
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	36	32	140	140	1000

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	3.6	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	12	< 2.0	< 2.0	3	3.6
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	35	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	14	< 8.0	< 8.0	18	28
TPHCWG - Aliphatic >EC21 - EC40 EH_CU_1D_AL	mg/kg	10	NONE	23	< 10	< 10	24	39
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	22	< 8.4	< 8.4	9.6	16
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	60	< 10	< 10	24	32
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	82	< 10	< 10	34	48

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	1.4
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	12	< 2.0	< 2.0	29	31
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	63	< 10	15	190	220
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	110	25	35	250	300
TPHCWG - Aromatic >EC21 - EC40 EH_CU_1D_AR	mg/kg	10	NONE	140	41	41	270	330
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	68	37	17	38	34
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	180	25	50	470	560
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	250	62	67	510	590

TPH Total >EC6 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	290	46	57	530	630
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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	290	46	57	530	630

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Lab Sample Number				719710	719711	719712	719713	719714
Sample Reference				1	2	3	4	5
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)				0.25	0.20	0.10	0.30	0.25
Date Sampled				15/10/2025	15/10/2025	15/10/2025	15/10/2025	15/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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

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Lab Sample Number	719715	719716	719717	719718	719719
Sample Reference	6	7	8	9	15
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)	0.25	0.20	0.10-0.30	0.10	0.10
Date Sampled	15/10/2025	15/10/2025	15/10/2025	15/10/2025	15/10/2025
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	61.8	< 0.1	35.2	23.9	15.6
Moisture Content	%	0.01	NONE	5.8	15	6.8	6.9	8.3
Total mass of sample received	kg	0.1	NONE	0.7	1	0.9	0.7	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	Detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SCA	SCA	SCA	SCA	SCA
Analysis completed	N/A	N/A	N/A	28/10/2025	28/10/2025	28/10/2025	28/10/2025	28/10/2025
Actinolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	-	-
Amosite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	Detected	Detected	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	-	-
Tremolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	-	-

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

pH (L099)	pH Units	N/A	MCERTS	8.9	8	7.8	8	7.7
Total Sulphate as SO ₄	mg/kg	50	MCERTS	2000	440	960	1300	810
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	250	72	38	140	37
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	126	36	19	68.3	18.7
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.8	0.9	2.3	2.9	2.9

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	2.2	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	2.9	0.16	< 0.05	0.07	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	18	0.42	< 0.05	0.09	< 0.05
Fluorene	mg/kg	0.05	MCERTS	14	0.69	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	240	7	0.36	0.6	0.21
Anthracene	mg/kg	0.05	MCERTS	59	2.7	0.1	0.22	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	320	15	0.8	1.9	0.64
Pyrene	mg/kg	0.05	MCERTS	270	12	0.8	1.9	0.59
Benzo(a)anthracene	mg/kg	0.05	MCERTS	130	6.4	0.48	1.1	0.35
Chrysene	mg/kg	0.05	MCERTS	120	5.8	0.48	1.1	0.36
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	130	7.1	0.81	2.2	0.58
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	81	2.8	0.28	0.78	0.21
Benzo(a)pyrene	mg/kg	0.05	MCERTS	130	6	0.64	1.7	0.42
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	59	2.7	0.32	1	0.23
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	14	0.59	0.07	0.17	0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	66	2.8	0.35	1.3	0.26

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1660	72.4	5.48	14.2	3.9
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Lab Sample Number				719715	719716	719717	719718	719719
Sample Reference				6	7	8	9	15
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)				0.25	0.20	0.10-0.30	0.10	0.10
Date Sampled				15/10/2025	15/10/2025	15/10/2025	15/10/2025	15/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	12	12	9.8	25
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.1	1	0.97	0.85	1
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	0.6	0.4	1.2	2.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	7.9	1	1	0.9	3.7
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	27	32	32	26	47
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	32	32	26	47
Copper (aqua regia extractable)	mg/kg	1	MCERTS	49	33	28	34	48
Lead (aqua regia extractable)	mg/kg	1	MCERTS	150	53	67	81	42
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	24	27	29	20	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0	< 1.0	1.1	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	40	45	43	36	44
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	77	120	120	140

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	20	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	29	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	44	13	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC40 EH_CU_1D_AL	mg/kg	10	NONE	44	21	< 10	< 10	< 10
TPHCWG - Aliphatic >EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4	NONE	< 8.4	10	< 8.4	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	93	13	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 EH_CU+HS_1D_AL	mg/kg	10	NONE	93	23	< 10	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	7.8	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	140	7	< 2.0	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	1100	35	< 10	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	1500	58	< 10	23	< 10
TPHCWG - Aromatic >EC21 - EC40 EH_CU_1D_AR	mg/kg	10	NONE	1700	70	< 10	24	< 10
TPHCWG - Aromatic >EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4	NONE	200	20	< 8.4	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	2800	100	< 10	23	< 10
TPHCWG - Aromatic >EC5 - EC44 EH_CU+HS_1D_AR	mg/kg	10	NONE	3000	120	< 10	23	< 10

TPH Total >EC6 - EC40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	3000	130	< 10	30	< 10
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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	3000	130	< 10	30	< 10

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Lab Sample Number				719715	719716	719717	719718	719719
Sample Reference				6	7	8	9	15
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)				0.25	0.20	0.10-0.30	0.10	0.10
Date Sampled				15/10/2025	15/10/2025	15/10/2025	15/10/2025	15/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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



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Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

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

Quantitative Analysis

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

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

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

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
719713	4	0.30-	249	Loose Fibres	Chrysotile	0.002	0.002	28/10/2025	KWB
719714	5	0.25-	225	Loose Fibres	Chrysotile	< 0.001	< 0.001	28/10/2025	KWB
719715	6	0.25-	201	Loose Fibres	Chrysotile	< 0.001	< 0.001	28/10/2025	SCA
719716	7	0.20-	218	Loose Fibres	Chrysotile	< 0.001	< 0.001	28/10/2025	SCA

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

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* 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 *
719710	1	None Supplied	0.25	Brown sand with stones
719711	2	None Supplied	0.2	Brown sand with gravel and stones
719712	3	None Supplied	0.1	Brown sandy loam with vegetation and stones
719713	4	None Supplied	0.3	Brown clay and sand with stones
719714	5	None Supplied	0.25	Brown sand with gravel and brick
719715	6	None Supplied	0.25	Brown sand with brick and stones
719716	7	None Supplied	0.2	Brown clay and sand with brick
719717	8	None Supplied	0.10-0.30	Brown loam and sand with vegetation and stones
719718	9	None Supplied	0.1	Brown loam and sand with vegetation and stones
719719	15	None Supplied	0.1	Brown loam and sand with vegetation and stones

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Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	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
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 SO ₄ in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
TPH Chromatogram in soil	TPH Chromatogram in soil	In-house method	L064B	D	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Chromium III in soil	In-house method by calculation from total Cr and Cr VI	In-house method by calculation	L080-PL/L130B	W	NONE

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Project / Site name: Thong Lane Gravesend

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

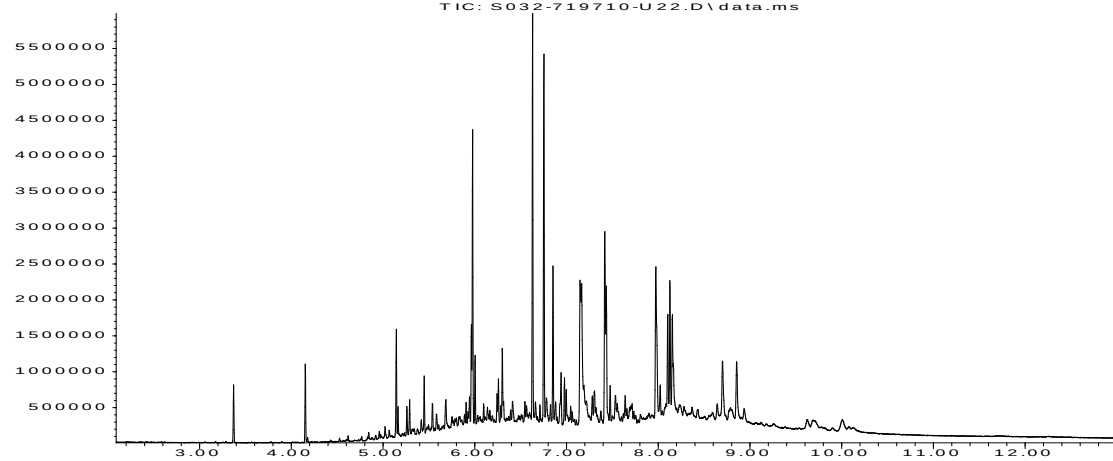
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

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

The result for sum should be interpreted with caution

Abundance

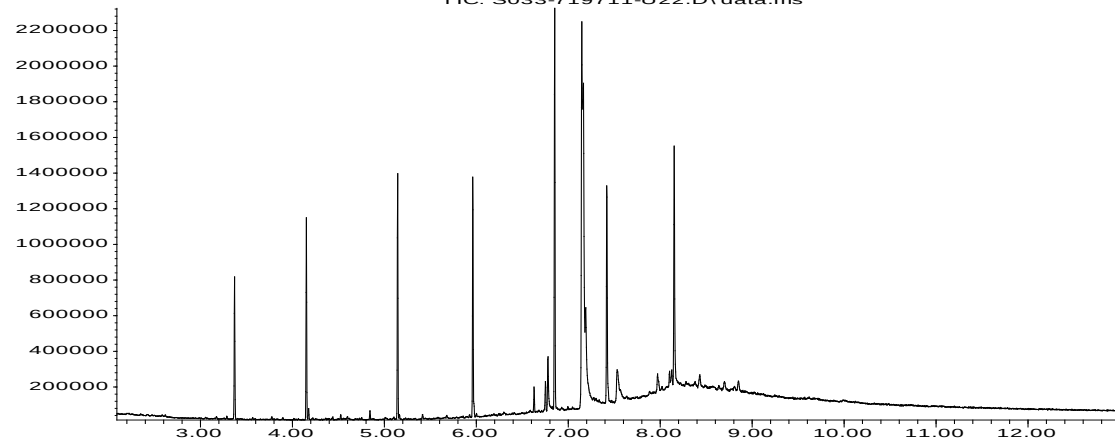
TIC: S032-719710-U22.D\data.ms



Time-->

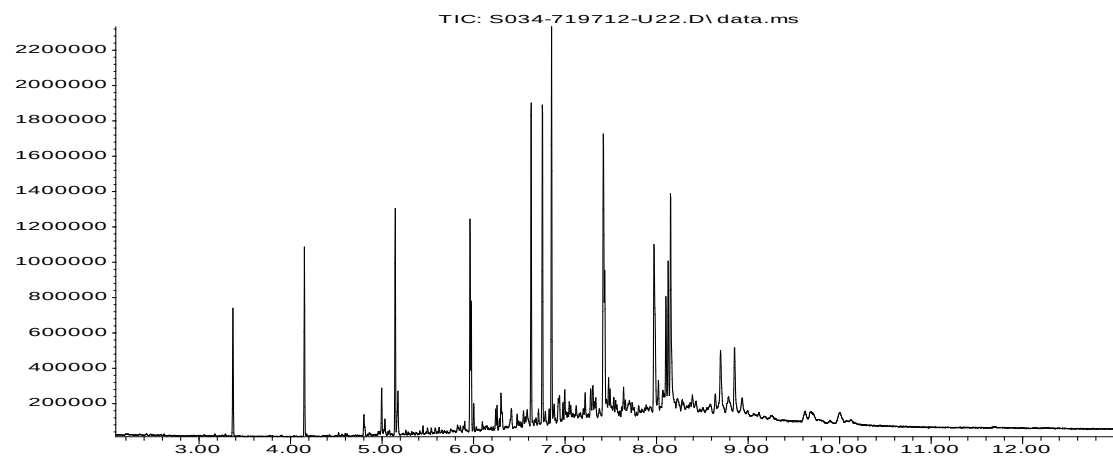
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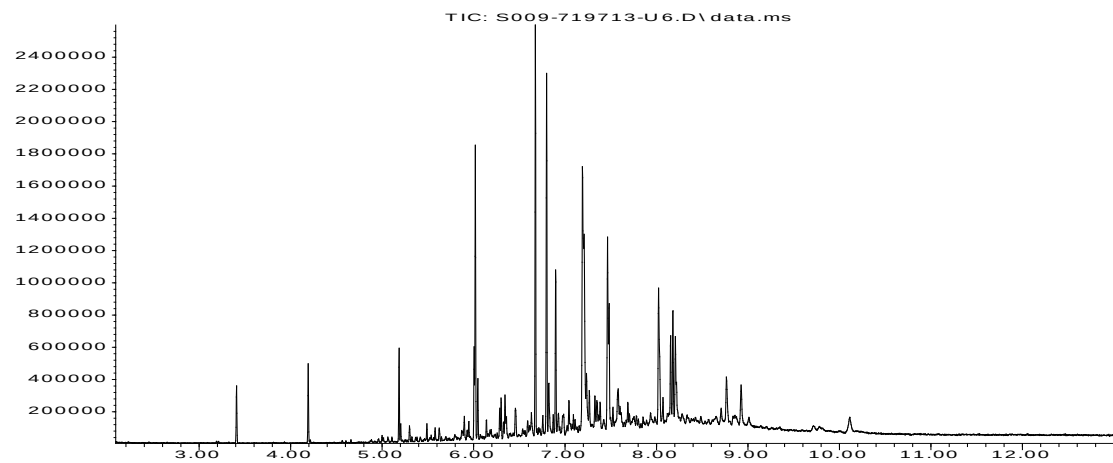
Time-->

Abundance



Time-->

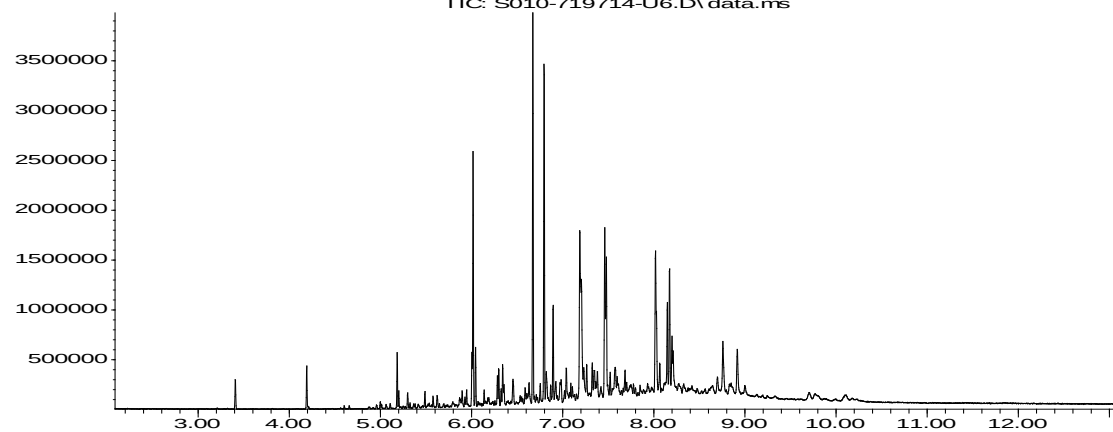
Abundance



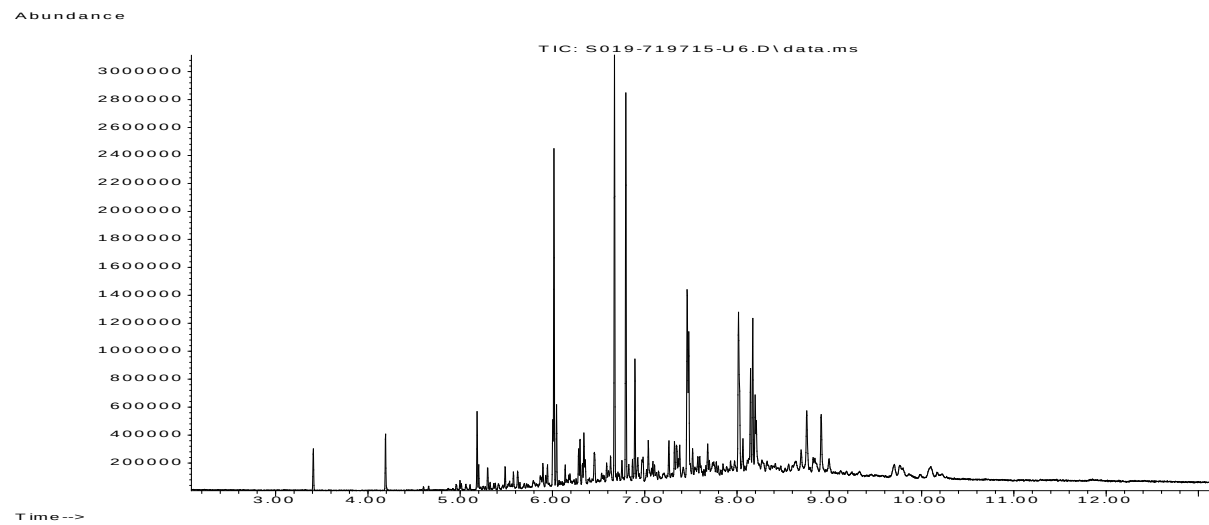
Time-->

Abundance

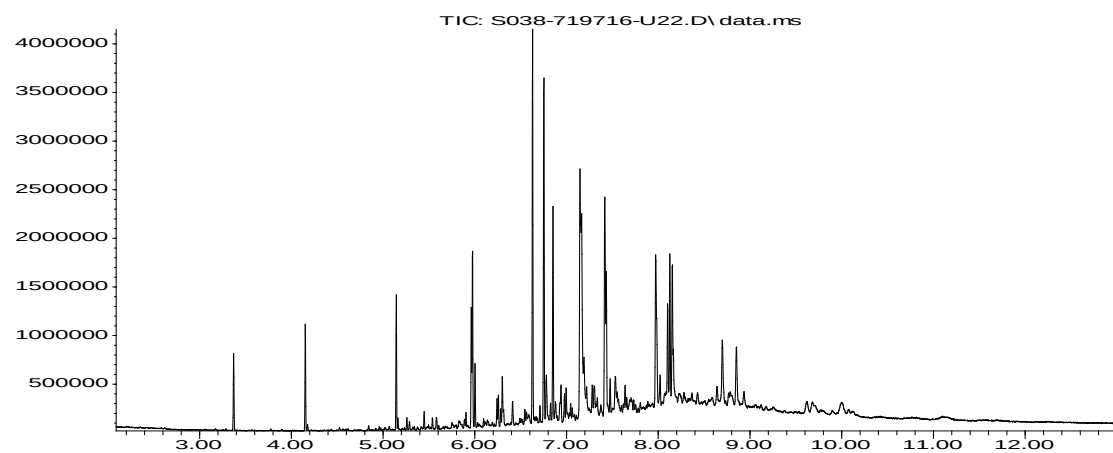
TIC: S010-719714-U6.D\data.ms



Time-->

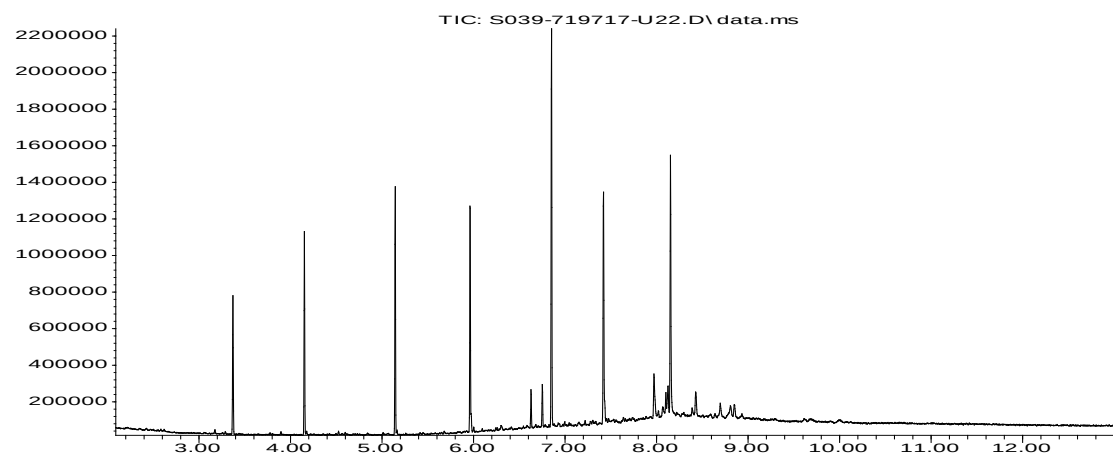


Abundance



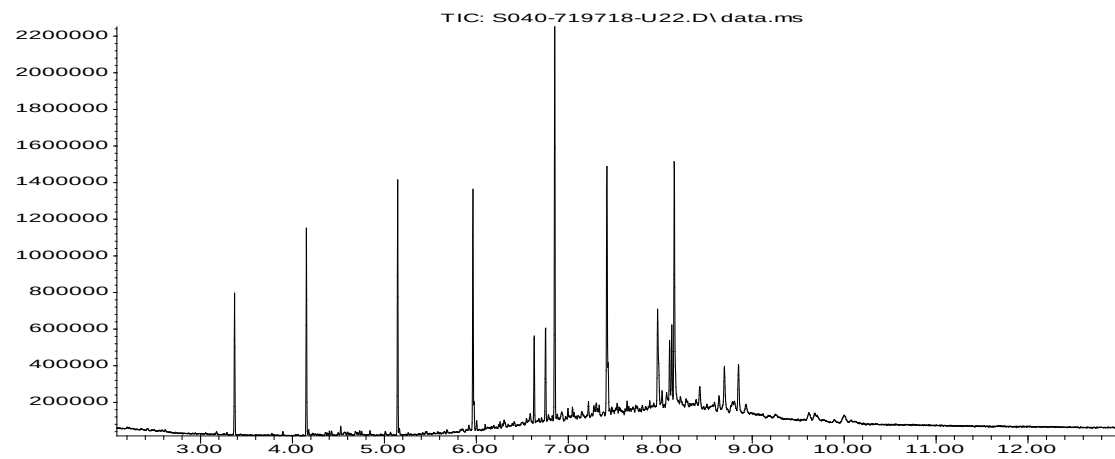
Time-->

Abundance

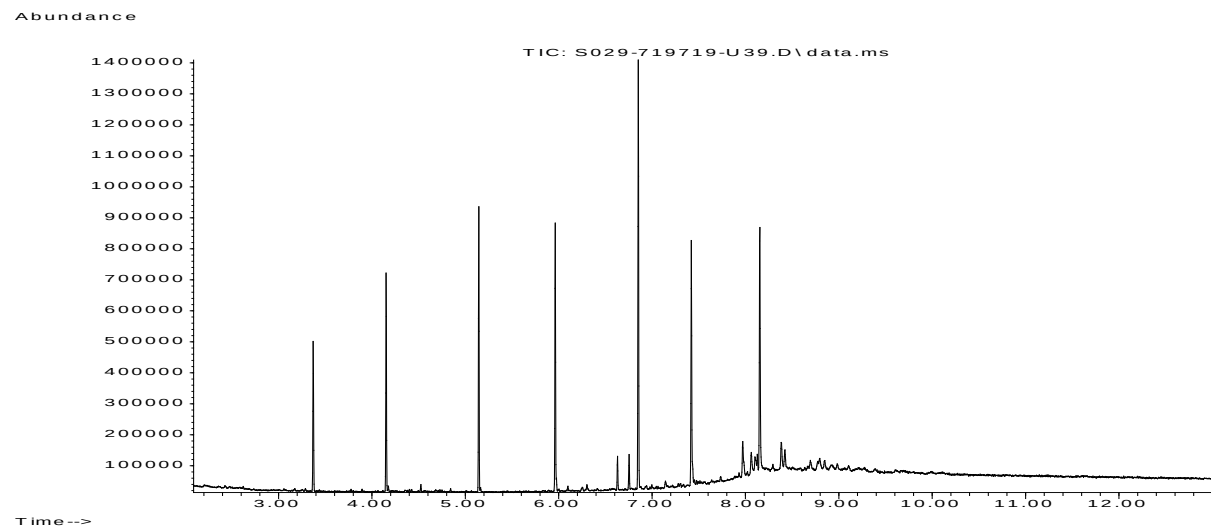


Time-->

Abundance



Time-->



APPENDIX 5

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.

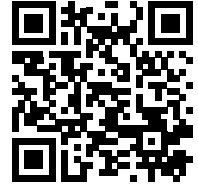
The waste producer should either treat their own waste or ensure that the waste will be treated by a subsequent handler. The waste producer should record the type and amount of pre-treatment undertaken prior to disposal.

Examples of treatment include mechanical segregation or sorting, composting, 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:

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



HXTQJ-5KR39-3LC5O

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

Report is invalid if pages are removed.

Job name

25-056378.batch

Description/Comments

construction of new leisure centre

Project

25/13244/KJC

Site

Thong Lane, Gravesend

Classified by

Name: **Keith Clark**
 Date: **12 Nov 2025 11:01 GMT**
 Telephone: **GU8 5LH**
 Company: **Albury SI Ltd**
Miltons Yard, Petworth Rd
Witley

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

HazWasteOnline™ Certification:

Course
 Hazardous Waste Classification

Date

Purpose of classification

2 - Material Characterisation

Address of the waste

Cascades Leisure Centre, Thong Lane, Gravesend, Kent

Post Code **DA12 4LG**

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

construction of new leisure centre

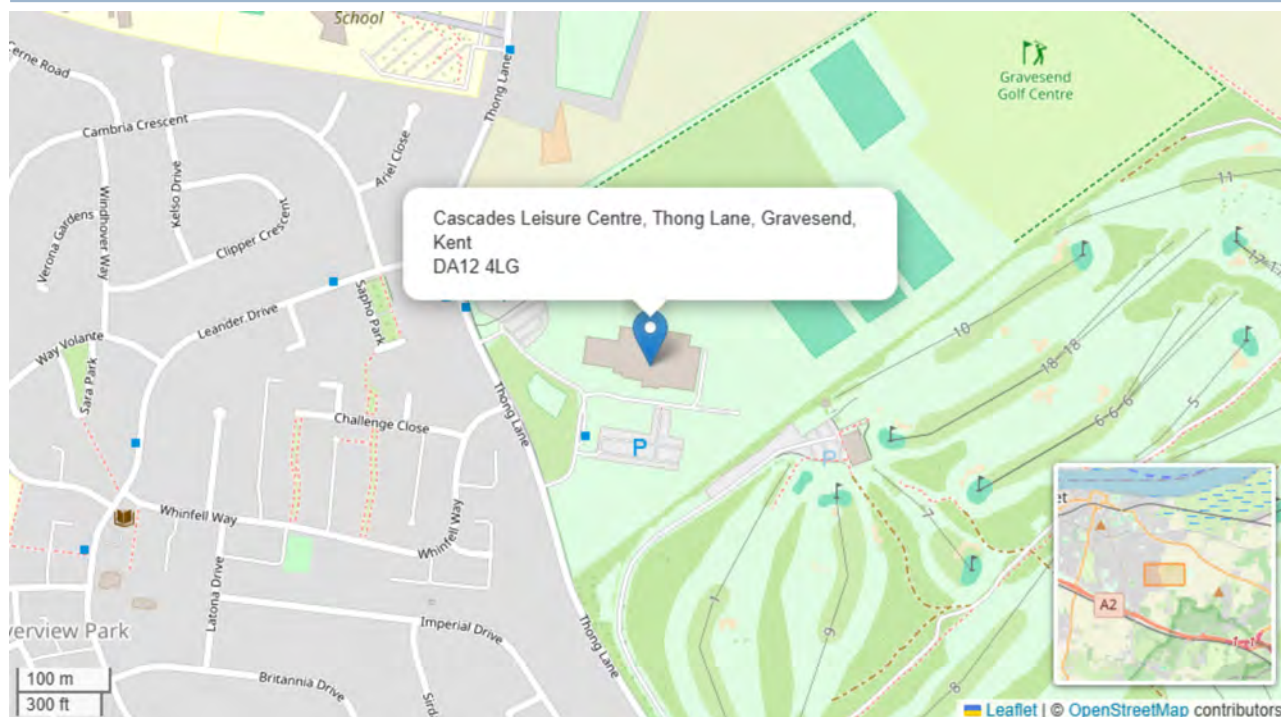
Description of the specific process, sub-process and/or activity that created the waste

foundation excavations and site clearance

Description of the waste

made ground

Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH12--13102025-0.10		Non Hazardous		5
2	BH29--13102025-0.10		Non Hazardous		8
3	BH30--13102025-0.10		Non Hazardous		11
4	BH31--13102025-0.10		Non Hazardous		14
5	BH13--13102025-0.10		Non Hazardous		17
6	BH14--13102025-0.10		Non Hazardous		23
7	BH16--14102025-0.10		Non Hazardous		29
8	BH17--14102025-0.10		Non Hazardous		32
9	BH18--14102025-0.10		Non Hazardous		35
10	BH19--14102025-0.10		Non Hazardous		38
11	BH20--14102025-0.10		Non Hazardous		41
12	1--15102025-0.25		Non Hazardous		44
13	2--15102025-0.20		Non Hazardous		47
14	7--15102025-0.20		Non Hazardous		50
15	8--15102025-0.10		Non Hazardous		53
16	9--15102025-0.10		Non Hazardous		56
17	15--15102025-0.10		Non Hazardous		59
18	BH10--13102025-0.10		Non Hazardous		62
19	BH11--13102025-0.10		Hazardous	HP 7	65
20	BH21--14102025-0.10		Non Hazardous		71
21	BH22--14102025-0.10		Non Hazardous		74
22	BH23--14102025-0.10		Non Hazardous		77
23	BH24--14102025-0.10		Non Hazardous		80
24	BH25--13102025-0.10		Non Hazardous		83
25	BH26--14102025-0.10		Non Hazardous		86
26	BH27--13102025-0.10		Non Hazardous		89
27	BH28--13102025-0.10		Non Hazardous		92
28	3--15102025-0.10		Non Hazardous		95
29	4--15102025-0.30		Non Hazardous		98
30	5--15102025-0.25		Non Hazardous		101
31	6--15102025-0.25		Hazardous	HP 7, HP 11	104

Related documents

#	Name	Description
1	25-055731_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	25-056378.batch.batch	i2 Analytical .batch file used to populate the Job
3	25-056378_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
4	Example worst case waste stream template: 17 05 04 or 17 05 03 *	waste stream template used to create this Job

Report

Created by: Keith Clark

Created date: 12 Nov 2025 11:01 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	107
Appendix B: Rationale for selection of metal species	110
Appendix C: Version	111

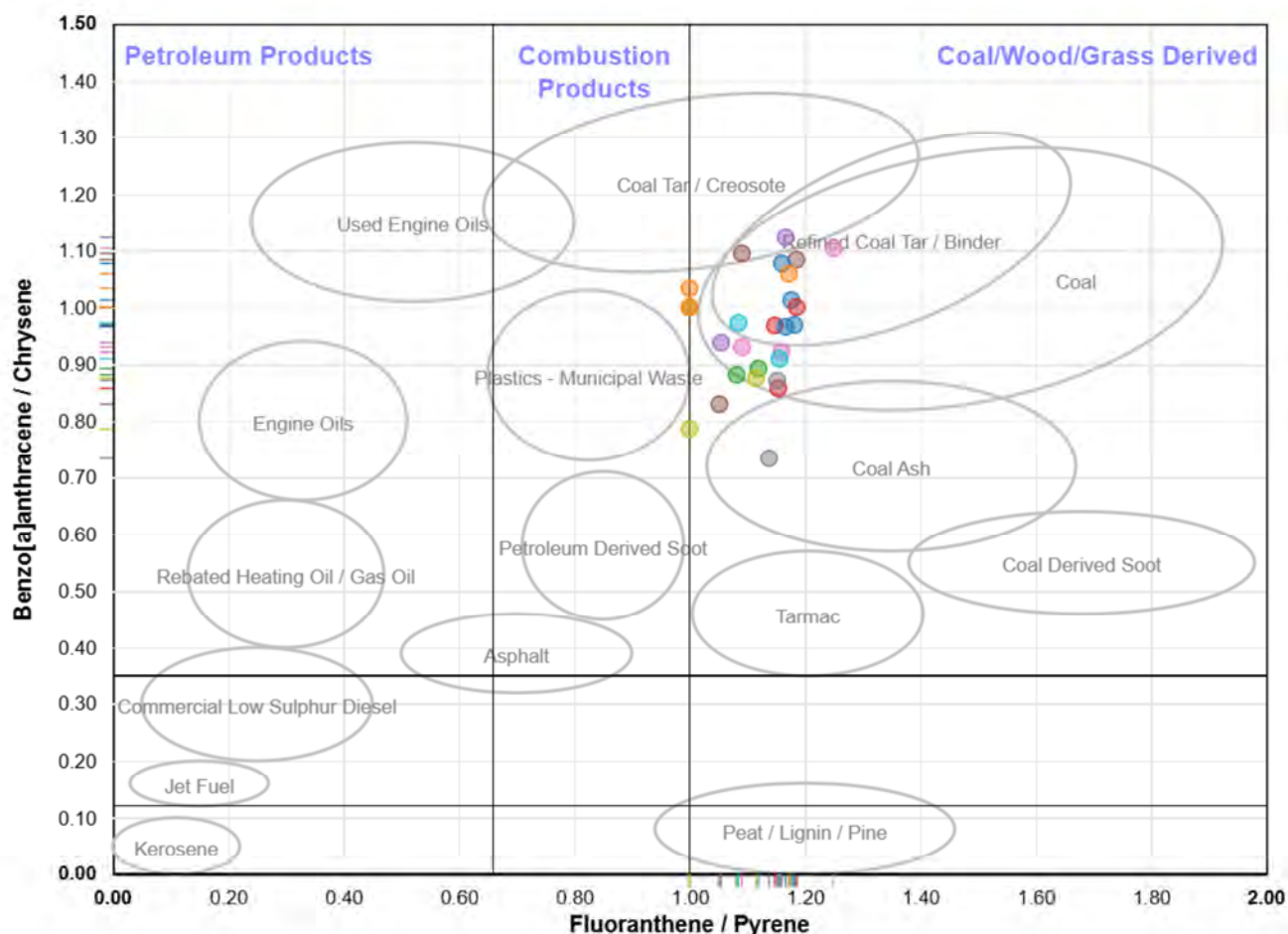
PAH Double Ratio Plot

Disclaimer

The domains, oval areas and the plotted points are **indicators only** and must be combined with other lines of evidence to form conclusions. Samples marked with an empty circle are not plotted as they fall outside of the graph's boundaries.

Credits

The domains and the horizontal and vertical lines are derived from Yunker et al. 2002 (Organic Geochemistry 33, 489-515)



- | | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1-15102025-0.25 | 2-15102025-0.20 | 3-15102025-0.10 | 4-15102025-0.30 | 5-15102025-0.25 |
| 6-15102025-0.25 | 7-15102025-0.20 | 8-15102025-0.10 | 9-15102025-0.10 | 15-15102025-0.1... |
| BH10-13102025-0... | BH11-13102025-0... | BH12-13102025-0... | BH13-13102025-0... | BH16-14102025-0... |
| BH17-14102025-0... | BH18-14102025-0... | BH19-14102025-0... | BH21-14102025-0... | BH22-14102025-0... |
| BH24-14102025-0... | BH25-13102025-0... | BH26-14102025-0... | BH27-13102025-0... | BH28-13102025-0... |
| BH29-13102025-0... | BH30-13102025-0... | BH31-13102025-0... | | |

Credits for the oval areas and labels

HazWasteOnline, 2023; Jones Environmental Forensics, 2014

Classification of sample: BH12--13102025-0.10

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

Sample details

Sample name:	LoW Code:
BH12--13102025-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
8.6% (wet weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				13	mg/kg	1.895	22.511	mg/kg	0.00225 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				1.4	mg/kg	8.868	11.347	mg/kg	0.00113 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				1.1	mg/kg	5.719	5.75	mg/kg	0.000575 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	cadmium { cadmium sulfate }				0.4	mg/kg	1.855	0.678	mg/kg	0.0000678 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
5	chromium in Cr(III) compounds { chromium(III) oxide }				63	mg/kg	1.462	84.159	mg/kg	0.00842 %	✓	
		215-160-9	1308-38-9									
6	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
	024-017-00-8											
7	copper { copper(II) oxide }				33	mg/kg	1.252	37.756	mg/kg	0.00378 %	✓	
	029-016-00-6	215-269-1	1317-38-0									
8	lead { lead chromate }			1	36	mg/kg	1.56	51.324	mg/kg	0.00329 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dibromate }				42	mg/kg	5.358	205.695	mg/kg	0.0206 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				63	mg/kg	1.785	102.795	mg/kg	0.0103 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc oxide }				100	mg/kg	1.245	113.767	mg/kg	0.0114 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
14	TPH (C6 to C40) petroleum group				22	mg/kg		20.108	mg/kg	0.00201 %	✓	
			TPH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
15	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
16	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	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
20	pH PH				7.3 pH		7.3 pH	7.3 pH			
21	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	phenanthrene 201-581-5	85-01-8			0.27 mg/kg		0.247 mg/kg	0.0000247 %	✓		
26	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	fluoranthene 205-912-4	206-44-0			0.66 mg/kg		0.603 mg/kg	0.0000603 %	✓		
28	pyrene 204-927-3	129-00-0			0.61 mg/kg		0.558 mg/kg	0.0000558 %	✓		
29	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.37 mg/kg		0.338 mg/kg	0.0000338 %	✓		
30	chrysene 601-048-00-0	205-923-4	218-01-9		0.42 mg/kg		0.384 mg/kg	0.0000384 %	✓		
31	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.49 mg/kg		0.448 mg/kg	0.0000448 %	✓		
32	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.28 mg/kg		0.256 mg/kg	0.0000256 %	✓		
33	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.36 mg/kg		0.329 mg/kg	0.0000329 %	✓		
34	indeno[123-cd]pyrene 205-893-2	193-39-5			0.22 mg/kg		0.201 mg/kg	0.0000201 %	✓		
35	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
36	benzo[ghi]perylene 205-883-8	191-24-2			0.19 mg/kg		0.174 mg/kg	0.0000174 %	✓		
Total:									0.0641 %		

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 in wm3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00201%)

Classification of sample: BH29--13102025-0.10

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

Sample details

Sample name:	LoW Code:
BH29--13102025-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
8.7%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.7% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				11 mg/kg	1.895	19.027	mg/kg	0.0019 %	✓	
	033-005-00-1										
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				0.97 mg/kg	8.868	7.854	mg/kg	0.000785 %	✓	
	004-002-00-2										
3	boron { boric acid; [1] boric acid; [2] }				0.8 mg/kg	5.719	4.177	mg/kg	0.000418 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]								
4	cadmium { cadmium sulfate }				0.3 mg/kg	1.855	0.508	mg/kg	0.0000508 %	✓	
	048-009-00-9	233-331-6	10124-36-4								
5	chromium in Cr(III) compounds { chromium(III) oxide }				38 mg/kg	1.462	50.707	mg/kg	0.00507 %	✓	
		215-160-9	1308-38-9								
6	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2 mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
	024-017-00-8										
7	copper { copper(II) oxide }				31 mg/kg	1.252	35.429	mg/kg	0.00354 %	✓	
	029-016-00-6	215-269-1	1317-38-0								
8	lead { lead chromate }			1	35 mg/kg	1.56	49.844	mg/kg	0.0032 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
9	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
10	nickel { nickel dibromate }				28 mg/kg	5.358	136.98	mg/kg	0.0137 %	✓	
	028-053-00-5	238-596-1	14550-87-9								
11	selenium { nickel selenate }				1.1 mg/kg	2.554	2.565	mg/kg	0.000256 %	✓	
	028-031-00-5	239-125-2	15060-62-5								
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				43 mg/kg	1.785	70.085	mg/kg	0.00701 %	✓	
	023-001-00-8	215-239-8	1314-62-1								
13	zinc { zinc oxide }				86 mg/kg	1.245	97.732	mg/kg	0.00977 %	✓	
	030-013-00-7	215-222-5	1314-13-2								
14	TPH (C6 to C40) petroleum group				10 mg/kg		9.13	mg/kg	0.000913 %	✓	
			TPH								

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value		MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number										
15		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											
16		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD	
	601-020-00-8	200-753-7	71-43-2											
17		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD	
	601-021-00-3	203-625-9	108-88-3											
18	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD	
	601-023-00-4	202-849-4	100-41-4											
19		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]											
20	●	pH				7	pH		7	pH	7pH			
			PH											
21		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3											
22	●	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		205-917-1	208-96-8											
23	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		201-469-6	83-32-9											
24	●	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7											
25	●	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8											
26	●	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD	
		204-371-1	120-12-7											
27	●	fluoranthene				0.19	mg/kg		0.173	mg/kg	0.0000173 %	✓		
		205-912-4	206-44-0											
28	●	pyrene				0.19	mg/kg		0.173	mg/kg	0.0000173 %	✓		
		204-927-3	129-00-0											
29		benzo[a]anthracene				0.11	mg/kg		0.1	mg/kg	0.00001 %	✓		
	601-033-00-9	200-280-6	56-55-3											
30		chrysene				0.14	mg/kg		0.128	mg/kg	0.0000128 %	✓		
	601-048-00-0	205-923-4	218-01-9											
31		benzo[b]fluoranthene				0.18	mg/kg		0.164	mg/kg	0.0000164 %	✓		
	601-034-00-4	205-911-9	205-99-2											
32		benzo[k]fluoranthene				0.07	mg/kg		0.0639	mg/kg	0.00000639 %	✓		
	601-036-00-5	205-916-6	207-08-9											
33		benzo[a]pyrene; benzo[def]chrysene				0.13	mg/kg		0.119	mg/kg	0.0000119 %	✓		
	601-032-00-3	200-028-5	50-32-8											
34	●	indeno[123-cd]pyrene				0.08	mg/kg		0.073	mg/kg	0.0000073 %	✓		
		205-893-2	193-39-5											
35		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											
36	●	benzo[ghi]perylene				0.09	mg/kg		0.0822	mg/kg	0.00000822 %	✓		
		205-883-8	191-24-2											
Total:												0.0467 %		

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 in wm3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00091%)

Classification of sample: BH30--13102025-0.10

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

Sample details

Sample name:	LoW Code:
BH30--13102025-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
8.5% (wet weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				11	mg/kg	1.895	19.068	mg/kg	0.00191 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				1	mg/kg	8.868	8.114	mg/kg	0.000811 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				0.8	mg/kg	5.719	4.186	mg/kg	0.000419 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	cadmium { cadmium sulfate }				0.4	mg/kg	1.855	0.679	mg/kg	0.0000679 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
5	chromium in Cr(III) compounds { chromium(III) oxide }				37	mg/kg	1.462	49.481	mg/kg	0.00495 %	✓	
		215-160-9	1308-38-9									
6	chromium in Cr(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
	024-017-00-8											
7	copper { copper(II) oxide }				19	mg/kg	1.252	21.762	mg/kg	0.00218 %	✓	
	029-016-00-6	215-269-1	1317-38-0									
8	lead { lead chromate }			1	38	mg/kg	1.56	54.235	mg/kg	0.00348 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dibromate }				29	mg/kg	5.358	142.183	mg/kg	0.0142 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				45	mg/kg	1.785	73.505	mg/kg	0.00735 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc oxide }				89	mg/kg	1.245	101.363	mg/kg	0.0101 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
14	TPH (C6 to C40) petroleum group				10	mg/kg		9.15	mg/kg	0.000915 %	✓	
			TPH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
15	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
16	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	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
20	pH		PH		5.7 pH		5.7 pH	5.7 pH			
21	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	acenaphthylene		205-917-1	208-96-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	acenaphthene		201-469-6	83-32-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	fluorene		201-695-5	86-73-7	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	phenanthrene		201-581-5	85-01-8	0.16 mg/kg		0.146 mg/kg	0.0000146 %		✓	
26	anthracene		204-371-1	120-12-7	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	fluoranthene		205-912-4	206-44-0	0.37 mg/kg		0.339 mg/kg	0.0000339 %		✓	
28	pyrene		204-927-3	129-00-0	0.32 mg/kg		0.293 mg/kg	0.0000293 %		✓	
29	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.2 mg/kg		0.183 mg/kg	0.0000183 %		✓	
30	chrysene	601-048-00-0	205-923-4	218-01-9	0.22 mg/kg		0.201 mg/kg	0.0000201 %		✓	
31	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.33 mg/kg		0.302 mg/kg	0.0000302 %		✓	
32	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.1 mg/kg		0.0915 mg/kg	0.00000915 %		✓	
33	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.22 mg/kg		0.201 mg/kg	0.0000201 %		✓	
34	indeno[123-cd]pyrene		205-893-2	193-39-5	0.13 mg/kg		0.119 mg/kg	0.0000119 %		✓	
35	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
36	benzo[ghi]perylene		205-883-8	191-24-2	0.16 mg/kg		0.146 mg/kg	0.0000146 %		✓	
Total:									0.0466 %		

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 in wm3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00091%)

Classification of sample: BH31--13102025-0.10

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

Sample details

Sample name:	LoW Code:
BH31--13102025-0.10	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9.7% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 9.7% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				11	mg/kg	1.895	18.818	mg/kg	0.00188 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				1	mg/kg	8.868	8.008	mg/kg	0.000801 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				1.6	mg/kg	5.719	8.263	mg/kg	0.000826 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	cadmium { cadmium sulfate }				0.5	mg/kg	1.855	0.837	mg/kg	0.0000837 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
5	chromium in Cr(III) compounds { chromium(III) oxide }				37	mg/kg	1.462	48.832	mg/kg	0.00488 %	✓	
		215-160-9	1308-38-9									
6	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
	024-017-00-8											
7	copper { copper(II) oxide }				37	mg/kg	1.252	41.823	mg/kg	0.00418 %	✓	
	029-016-00-6	215-269-1	1317-38-0									
8	lead { lead chromate }			1	51	mg/kg	1.56	71.834	mg/kg	0.00461 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dibromate }				27	mg/kg	5.358	130.641	mg/kg	0.0131 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				44	mg/kg	1.785	70.929	mg/kg	0.00709 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc oxide }				100	mg/kg	1.245	112.398	mg/kg	0.0112 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
14	TPH (C6 to C40) petroleum group				90	mg/kg		81.27	mg/kg	0.00813 %	✓	
			TPH									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		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										
16		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2										
17		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3										
18	●	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4										
19		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]										
20	●	pH				6.4	pH		6.4	pH	6.4 pH		
			PH										
21		naphthalene				0.06	mg/kg		0.0542	mg/kg	0.00000542 %	✓	
	601-052-00-2	202-049-5	91-20-3										
22	●	acenaphthylene				0.23	mg/kg		0.208	mg/kg	0.0000208 %	✓	
		205-917-1	208-96-8										
23	●	acenaphthene				0.07	mg/kg		0.0632	mg/kg	0.00000632 %	✓	
		201-469-6	83-32-9										
24	●	fluorene				0.09	mg/kg		0.0813	mg/kg	0.00000813 %	✓	
		201-695-5	86-73-7										
25	●	phenanthrene				2	mg/kg		1.806	mg/kg	0.000181 %	✓	
		201-581-5	85-01-8										
26	●	anthracene				0.4	mg/kg		0.361	mg/kg	0.0000361 %	✓	
		204-371-1	120-12-7										
27	●	fluoranthene				5.6	mg/kg		5.057	mg/kg	0.000506 %	✓	
		205-912-4	206-44-0										
28	●	pyrene				4.8	mg/kg		4.334	mg/kg	0.000433 %	✓	
		204-927-3	129-00-0										
29		benzo[a]anthracene				2.8	mg/kg		2.528	mg/kg	0.000253 %	✓	
	601-033-00-9	200-280-6	56-55-3										
30		chrysene				2.9	mg/kg		2.619	mg/kg	0.000262 %	✓	
	601-048-00-0	205-923-4	218-01-9										
31		benzo[b]fluoranthene				4	mg/kg		3.612	mg/kg	0.000361 %	✓	
	601-034-00-4	205-911-9	205-99-2										
32		benzo[k]fluoranthene				1.4	mg/kg		1.264	mg/kg	0.000126 %	✓	
	601-036-00-5	205-916-6	207-08-9										
33		benzo[a]pyrene; benzo[def]chrysene				3	mg/kg		2.709	mg/kg	0.000271 %	✓	
	601-032-00-3	200-028-5	50-32-8										
34	●	indeno[123-cd]pyrene				1.4	mg/kg		1.264	mg/kg	0.000126 %	✓	
		205-893-2	193-39-5										
35		dibenz[a,h]anthracene				0.25	mg/kg		0.226	mg/kg	0.0000226 %	✓	
	601-041-00-2	200-181-8	53-70-3										
36	●	benzo[ghi]perylene				1.6	mg/kg		1.445	mg/kg	0.000144 %	✓	
		205-883-8	191-24-2										
Total:												0.0596 %	

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 in wm3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00813%)

Classification of sample: BH13--13102025-0.10

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

Sample details

Sample name:	LoW Code:
BH13--13102025-0.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
6.6% (wet weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				13	mg/kg	1.895	23.003	mg/kg	0.0023 %	✓	
	033-005-00-1											
2	beryllium { beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex }				1.4	mg/kg	8.868	11.596	mg/kg	0.00116 %	✓	
	004-002-00-2											
3	boron { boric acid; [1] boric acid; [2] }				4.1	mg/kg	5.719	21.901	mg/kg	0.00219 %	✓	
	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]									
4	cadmium { cadmium sulfate }				1	mg/kg	1.855	1.732	mg/kg	0.000173 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
5	chromium in Cr(III) compounds { chromium(III) oxide }				54	mg/kg	1.462	73.715	mg/kg	0.00737 %	✓	
		215-160-9	1308-38-9									
6	chromium in Cr(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.2	mg/kg	2.27	<2.724	mg/kg	<0.000272 %		<LOD
	024-017-00-8											
7	copper { copper(II) oxide }				75	mg/kg	1.252	87.687	mg/kg	0.00877 %	✓	
	029-016-00-6	215-269-1	1317-38-0									
8	lead { lead chromate }			1	64	mg/kg	1.56	93.24	mg/kg	0.00598 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				0.8	mg/kg	1.353	1.011	mg/kg	0.000101 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dibromate }				32	mg/kg	5.358	160.149	mg/kg	0.016 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
11	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				55	mg/kg	1.785	91.705	mg/kg	0.00917 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc oxide }				170	mg/kg	1.245	197.636	mg/kg	0.0198 %	✓	
	030-013-00-7	215-222-5	1314-13-2									
14	TPH (C6 to C40) petroleum group				35	mg/kg		32.69	mg/kg	0.00327 %	✓	
			TPH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
15	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								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	pH				8.4 pH		8.4 pH	8.4 pH			
			PH								
21	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
22	acenaphthylene				0.07 mg/kg		0.0654 mg/kg	0.00000654 %		✓	
		205-917-1	208-96-8								
23	acenaphthene				0.21 mg/kg		0.196 mg/kg	0.0000196 %		✓	
		201-469-6	83-32-9								
24	fluorene				0.16 mg/kg		0.149 mg/kg	0.0000149 %		✓	
		201-695-5	86-73-7								
25	phenanthrene				3 mg/kg		2.802 mg/kg	0.00028 %		✓	
		201-581-5	85-01-8								
26	anthracene				0.5 mg/kg		0.467 mg/kg	0.0000467 %		✓	
		204-371-1	120-12-7								
27	fluoranthene				6.2 mg/kg		5.791 mg/kg	0.000579 %		✓	
		205-912-4	206-44-0								
28	pyrene				5.4 mg/kg		5.044 mg/kg	0.000504 %		✓	
		204-927-3	129-00-0								
29	benzo[a]anthracene				3 mg/kg		2.802 mg/kg	0.00028 %		✓	
	601-033-00-9	200-280-6	56-55-3								
30	chrysene				3.1 mg/kg		2.895 mg/kg	0.00029 %		✓	
	601-048-00-0	205-923-4	218-01-9								
31	benzo[b]fluoranthene				4.1 mg/kg		3.829 mg/kg	0.000383 %		✓	
	601-034-00-4	205-911-9	205-99-2								
32	benzo[k]fluoranthene				1.6 mg/kg		1.494 mg/kg	0.000149 %		✓	
	601-036-00-5	205-916-6	207-08-9								
33	benzo[a]pyrene; benzo[def]chrysene				3 mg/kg		2.802 mg/kg	0.00028 %		✓	
	601-032-00-3	200-028-5	50-32-8								
34	indeno[123-cd]pyrene				1.5 mg/kg		1.401 mg/kg	0.00014 %		✓	
		205-893-2	193-39-5								
35	dibenz[a,h]anthracene				0.31 mg/kg		0.29 mg/kg	0.000029 %		✓	
	601-041-00-2	200-181-8	53-70-3								
36	benzo[ghi]perylene				1.6 mg/kg		1.494 mg/kg	0.000149 %		✓	
		205-883-8	191-24-2								
37	phenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
38	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %			<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3								
39	tetrachloroethylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-028-00-4	204-825-9	127-18-4								
40	carbon tetrachloride; tetrachloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-008-00-5	200-262-8	56-23-5								
41	trichloroethylene; trichloroethene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	602-027-00-9	201-167-4	79-01-6								

#	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							
42	vinyl chloride; chloroethylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							
43	hexachlorobenzene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	602-065-00-6	204-273-9	118-74-1							
44	aniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	612-008-00-7	200-539-3	62-53-3							
45	anthraquinone				0.6 mg/kg		0.56 mg/kg	0.000056 %	✓	
	606-151-00-4	201-549-0	84-65-1							
46	azobenzene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
47	BBP; benzyl butyl phthalate				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
48	bis(2-chloroethyl) ether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
49	bis(2-chloroethoxy)methane				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		203-920-2	111-91-1							
50	4-bromophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		202-952-4	101-55-3							
51	carbazole				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		201-696-0	86-74-8							
52	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
53	2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-079-9	91-58-7							
54	dibenzofuran				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		205-071-3	132-64-9							
55	2,4-dichlorophenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
56	diethyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		201-550-6	84-66-2							
57	dibutyl phthalate; DBP				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
58	dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-011-6	131-11-3							
59	3,4-xlenol; [1] 2,5-xlenol; [2] 2,4-xlenol; [3] 2,3-xlenol; [4] 2,6-xlenol; [5] xlenol; [6] 2,4(or 2,5)-xlenol [7]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
60	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
61	2,4,5-trichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
62	2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
63	2,6-dinitrotoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
64	hexachloroethane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		200-666-4	67-72-1							
65	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
66	2-methyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-078-3	91-57-6							

#	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								
67	nitrobenzene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
	609-003-00-7	202-716-0	98-95-3								
68	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-008-00-0	202-433-2 [1]	95-57-8 [1]								
		203-402-6 [2]	106-48-9 [2]								
		203-582-6 [3]	108-43-0 [3]								
		246-691-4 [4]	25167-80-0 [4]								
69	2-nitrophenol				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
		201-857-5	88-75-5								
70	4-chloroaniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	612-137-00-9	203-401-0	106-47-8								
71	4-chlorophenylphenylether				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
		230-281-7	7005-72-3								
72	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
	612-012-00-9	201-855-4 [1]	88-74-4 [1]								
		202-729-1 [2]	99-09-2 [2]								
		202-810-1 [3]	100-01-6 [3]								
73	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
		200-856-7	75-27-4								
74	bromobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-060-00-9	203-623-8	108-86-1								
75	bromomethane; methylbromide				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-002-00-2	200-813-2	74-83-9								
76	1,2,4-trichlorobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-087-00-6	204-428-0	120-82-1								
77	mesitylene; 1,3,5-trimethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-025-00-5	203-604-4	108-67-8								
78	n-butylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
		203-209-7	104-51-8								
79	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]	542-75-6 [1]								
		233-195-8 [2]	10061-01-5 [2]								
80	chlorobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-033-00-1	203-628-5	108-90-7								
81	chloroethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-009-00-0	200-830-5	75-00-3								
82	chloromethane; methyl chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-001-00-7	200-817-4	74-87-3								
83	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-010-00-6	203-444-5	106-93-4								
84	dibromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
		204-704-0	124-48-1								
85	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								
86	dibromomethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-003-00-8	200-824-2	74-95-3								
87	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								
88	2,2-dichloropropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
		209-832-0	594-20-7								
89	1,1-dichloropropene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-031-00-0	209-253-3	563-58-6								
90	1,3-dichloropropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
		205-531-3	142-28-9								
91	hexachlorobutadiene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
		201-765-5	87-68-3								
92	cumene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-024-00-X	202-704-5	98-82-8								
93	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								

#	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							
94	1,3-dichlorobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
95	propylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
96	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							
97	sec-butylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		205-227-0	135-98-8							
98	styrene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
99	tert-butylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		202-632-4	98-06-6							
100	bromoform; tribromomethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
101	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							
102	1,2,3-trichlorobenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		201-757-1	87-61-6							
103	trichlorofluoromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-892-3	75-69-4							
104	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							
105	chloroform; trichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
106	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.0000001 %		<LOD
		431-460-4	10061-02-6							
107	1,1,1,2-tetrachloroethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		211-135-1	630-20-6							
108	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							
109	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							
110	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							
111	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							
112	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
113	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.01 mg/kg		<0.01 mg/kg	<0.0000001 %		<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]							
114	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.01 mg/kg		<0.01 mg/kg	<0.0000001 %		<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:								0.0795 %		

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 in wm3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00327%)