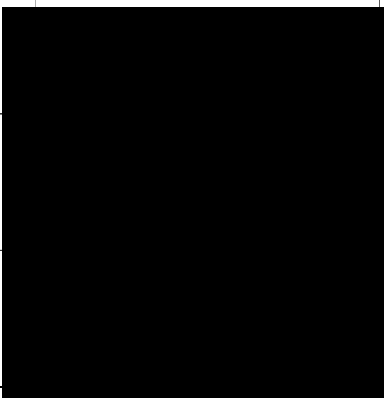




Land Science



**90 CARMOOR ROAD, MANCHESTER
M13 0FB
SUPPLEMENTARY PHASE II
CONTAMINATION ASSESSMENT
TIGER DEVELOPMENTS LTD
12TH FEBRUARY 2026
LS9115**

Site:	90 CARMOOR ROAD, MANCHESTER, M13 0FB	
Title:	SUPPLEMENTARY PHASE II CONTAMINATION ASSESSMENT	
Project:	PURPOSE-BUILT STUDENT ACCOMMODATION	
Client:	TIGER DEVELOPMENTS LTD	
Agent:	WHITBY WOOD (AGENT/ENGINEER)	
Date:	12TH FEBRUARY 2026	
Reference:	LS9115	
Version:	A – final for issue	
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1.0 EXECUTIVE SUMMARY

This summary is a brief precis of the main findings and conclusions of the investigation. For detailed information, the reader is referred to the main report.

The site included a garage workshop, a residential building, and a day nursery, all of which were vacant. The development was to include the demolition of the existing buildings and the construction of new three- to six-storeys of purpose-built student accommodation. The intrusive investigation included four mechanically excavated trial pits.

Strata	Base Depth range (m)	Summary
Hardstanding	0.08-0.40	Concrete, locally with brick
Made Ground	0.50-0.90	Sandy Clay / Sand, with occasional brick fragments and rounded pebbles. TP102 with possible hydrocarbon odour. TP104 with possible bituminous material. (All except TP103)
Reworked Ground	0.90+	Sandy Clay with brown bands at 0.4m, with brick fragments throughout, and a ceramic pipe at 0.90m. (Only TP103)
Till Deposits	1.20+	Sandy Clay. (All except TP103)

Groundwater was only recorded during the excavation of position TP103 at the base of the trial pit at 0.90m, with a short-term standing water depth also at 0.90m.

Buried structural concrete may be designed to DS-1 and AC-1 in accordance with BS8500.

Water supply pipe work will require protection from aggressive soil contaminants.

Soil testing has identified elevated levels of contamination including metals, PAHs, TPHs and volatiles. Requirements for remediation have been identified in section 10.

Chemical results on Made Ground / Reworked Ground corresponded to hazardous, non-hazardous and stable non-reactive hazardous waste classification. The shallow Till Deposits corresponded to stable non-reactive hazardous waste classification. Natural soils at depth are anticipated to generally be inert waste.

No immediate requirements for further ground investigation have been identified, although at the time of writing this assessment ground gas monitoring is currently underway at site. This report should be submitted to relevant authorities etc. in good time for consideration and approval.

2.0 INTRODUCTION

2.1 General

Land Science was instructed to undertake a Supplementary Phase II Contamination Assessment in relation to the proposed development at 90 Carmoor Road, Manchester M13 0FB. The location is shown on Figure 1, which is centred at grid reference SJ 85509 95942.

2.2 Client

The Client for this appointment was Tiger Developments Limited, with the appointment via their engineer Whitby Wood. This report may only be used by this named client and their project team for the purposes set out and subject to the report conditions. It was understood that the Client already owned the property, and that this investigation was not a pre-purchase appraisal.

2.3 Area Under Investigation

The area under investigation comprised a garage workshop with front and rear yards, a residential building, and a day nursery, all of which were vacant. The investigation layout is indicated on Figure 2. Photographs are presented in Appendix A. The area was approximately 2100m² or 0.21 hectares.

2.4 Proposed Development

The proposed development was understood to comprise the demolition of the existing buildings followed by the construction of purpose-built student accommodation. This included three to six-storeys, forming 172 beds, with a mix of studio and cluster units alongside ancillary facilities and shared amenity space, with site access and other associated works. The proposed development was covered under planning application number 135576/FO/2022. Figure 3 illustrates the layout of the proposed development. The findings of this report may be not valid if the proposed development is altered.

2.5 Previous Investigations

The following previous investigations relevant to the site were made available:

- Phase I Desk Study P451205-DOC-S-001, 18th November 2022. A-squared Studi Engineers Ltd.
- Phase II Contamination and Geotechnical Assessment, LS7347, 2nd April 2024. Land Science.
- Technical Note on Revised Conceptual Site Model for Land Contamination, P451205 revision P01, dated 17th May 2024. Whitby Wood.
- Remediation Strategy P451205-WW-XX-XX-RP-G-0001, 6th September 2024. Whitby Wood.

The phase II ground investigation has been carried out in accordance with the recommendations of the previous report and the Client's scope request, and all reports must be read in conjunction with each other.

At the time of writing ground gas monitoring was underway at site and this will be assessed in a further report once completed.

2.6 Scope of Work

The work carried out is described in detail in the following sections but in summary included:

- An intrusive investigation comprising mechanical trial pits.
- Preliminary chemical testing of selected soil samples in the field and laboratory.

The fieldwork was conducted on 3rd February 2026, under the guidance of Land Science. Since the previous site investigation by Land Science in 2024 the site was vacant and secured by the site contractor GMI. Some of the garage roofing had been stripped.

2.7 Geo-Environmental Objectives

A phase II intrusive investigation was required, to provide a generic quantitative risk assessment (GQRA).

The report was required to assess risks associated with end users, the proposed redevelopment, adjacent land uses, and the wider environment, in the context of the planning regime.

2.8 Standards

Where practicable, the investigation was undertaken in accordance with the following primary standards and guidance:

- Land Contamination Risk Management (LCRM) Environment Agency June 2025.
- BS10175:2011+A2:2017, Investigation of Potentially Contaminated Sites.
- National Planning Policy Framework, December 2024.
- Building Regulations Approved Document C: Site preparation and resistance to contaminants and moisture, HM Government, September 2013.
- NHBC Standards Chapter 4.1: Land Quality - Managing Ground Conditions, 2024.

Other technical sources have been cited in respect of specific aspects of the investigation, as referenced throughout the text.

3.0 SUMMARY OF CONTAMINATION FROM PREVIOUS REPORT (LS7347)

This summary is a brief precis of the main findings and conclusions of the investigation. For detailed information, the reader is referred to the main report.

The site included a garage workshop, an abandoned residential building, and a building used previously as a private day nursery which is now vacant. The development was to include the demolition of the existing buildings and the construction of new three to six- storeys of purpose-built student accommodation. The intrusive investigation included 5no dynamically sampled holes with rotary follow on, 4no dynamic sampler holes and 2no trial pits.

Strata	Base Depth range (m)	Summary
Made Ground	0.70 – 1.20	Grey brown/black sandy, gravelly CLAY
Till Deposits	16.50 – 19.50	Grey brown to red brown slightly gravelly CLAY, becoming red brown slightly clayey gravelly SAND at approximately 12.00m depth
Collyhurst Sandstone	20.00+	Red fine-grained SANDSTONE.

Groundwater was recorded during the return monitoring standing at a level of 4.40m.

Excavations are generally likely to remain stable. Excavations below the water table may become highly unstable.

Buried structural concrete may be designed to DS-1 and AC-1 in accordance with BS8500. Water supply pipe work will not require protection from aggressive soil contaminants.

Soil testing has identified elevated levels of PAH contamination. Requirements for remediation have been identified including the import of clean subsoil and topsoil.

Chemical results on Made Ground corresponded to inert, and some non-hazardous, for most of the site, with SNRHW within the rear yard. Natural soils tested resulted with inert waste classification.

Further investigation may be considered in order to determine the distribution of PAHs across the site, alternatively a vapour membrane may be considered within the ground floor construction.

4.0 INTRUSIVE INVESTIGATION

4.1 Investigation Rationale

The scope and layout of the investigation was specified by Whitby Wood Ltd. In summary this comprised:

- 4no. mechanically trial pits (excavated by others).
- The positions were located to give broad coverage across the site where access was feasible on the vacant site.

Position	Provisional Depth / Strata	Existing Location	Proposed Location	Testing
TP101	1.20m (or refusal)	Inside garage – north of yard	Student accommodation footprint	PID
TP102		Inside garage – off Carmoor Road		
TP103				
TP104		Inside garage – south of yard		

4.2 Contamination Strategy

Geo-environmental aspects were investigated based on the following strategy:

Area of Concern	Investigation	Positions
Made Ground	Representative samples of soil were to be screened for a broad industry standard screening contaminants.	TP101, TP102 and TP104
Superficial – Till (locally reworked)		TP103
Waste classification	For preliminary waste classification, representative samples were to be screened for contaminants and full hazardous waste leachate testing performed.	All

4.3 Enabling Works

All positions were over concrete and required the use of a breaker by the site contractor to enable site works.

4.4 Trial Pits (TP)

Trial pits are open excavations using a mechanical excavator to inspect a larger volume of soils and in turn provide a better understanding of variability water ingress, instability, etc.

4.5 Soil Sampling

Soil samples were recovered from the exploratory holes during the ground investigation and stored/transported in containers appropriate for the laboratory testing undertaken. Sample types and depths are recorded on the relevant exploratory hole records.

4.6 PID Screening (PID)

Soil samples were screened for VOCs in headspace using a Photo Ionisation Detector (PID) broadly in accordance with the methodology set-out in CIRIA C682. Due to interference from humidity and other factors, Land Science adopts a method detection limit of 1.0ppm to avoid reporting false positive readings.

5.0 GROUND CONDITIONS

5.1 General

The expected ground conditions were anticipated to comprise Made Ground over Till Deposits over Collyhurst Sandstone to depth. The shallow investigation confirmed the anticipated Made Ground over Till Deposits. A thin capping of hardstanding was encountered at surface.

A summary of the encountered conditions is presented below.

Strata	Base Depth m			
	TP101	TP102	TP103	TP104
Hardstanding	0.08	0.10	0.20	0.40
Made Ground	0.50	0.80	-	0.90
Reworked Ground	-	-	0.90+	-
Till Deposits	1.20+	1.20+		1.20+

The naming of geological strata is tentative and should be used as a guide. Interpolation between or below investigation points should be treated with caution. The description of soils and rocks was in accordance with BS5930.

5.2 Hardstandings and Subbases

All positions were located within hardstanding with the base ranging between 0.08 and 0.40m. In summary the hardstanding comprised concrete. TP102 was also reinforced, whilst TP104 also included brick between 0.1 and 0.4m.

5.3 Made Ground

Made Ground was encountered in all positions except TP103. The full thickness was proved to between 0.50 and 0.90m. In summary, the Made Ground comprised dark grey/blue/black slightly sandy Clay / Sand, with occasional brick fragments and rounded pebbles. TP102 also recorded occasional cobbles with a possible hydrocarbon odour, whilst TP104 also recorded possible bituminous material.

5.4 Reworked Ground

Reworked Ground was encountered in TP103. The full thickness was not proven, with the position terminated at 0.90m. In summary, the Reworked Ground comprised black sandy Clay with brown bands at 0.4m, with brick fragments throughout, and a ceramic pipe at 0.90m.

5.5 Till Deposits

The Till Deposits were encountered in all positions except TP103, with the positions terminated in this strata at depths of 1.20m. In summary, the Till Deposits comprised dark grey/blue/black sandy Clay.

5.6 Roots and Rootlets

No roots or rootlets were identified in the boreholes.

5.7 Field Evidence of Contamination

Evidence of possible soil contamination (such as staining, malodours, or brightly coloured soils) was identified in the field. Black staining was noted in TP101 0.08-0.50m, and a hydrocarbon odour was noted in TP102 0.10-0.80m.

Made Ground/Reworked Ground was identified to 0.50-0.90+, and such materials may be imported from an unknown source or mixed with hazardous materials, and as such may contain a wide range of potential contaminants. All such materials should be treated as suspect unless proven otherwise. Preliminary testing has been carried out, as described in section 6.

5.8 Groundwater

Groundwater was struck during the excavation of position TP103 at the base of the trial pit at 0.90m, with a short-term standing water depth also at 0.90m.

The level of water in a trial pit can be affected by the excavation process and speed of infiltration; short-term rest levels should be used with caution.

5.9 Stability and Casing

The excavations were noted to be generally stable throughout with no shoring used.

5.10 PID Screening (PID)

None of the samples exhibited VOCs above the detection limit:

Position	Strata	Result
TP101	Made Ground	0.08-0.50m (0.1ppm)
	Till	0.50-1.20m (0.7ppm)
TP103	Reworked Ground	0.20-0.90m (0.1ppm)

Overall the readings were towards the lower end of the unit's detection limit (0.1ppm to 9999ppm).

The purpose of the screening was to identify samples which may be impacted by organic contaminants (such as VOCs, SVOCs, petroleum hydrocarbons, diesel, etc.) and to assist in prioritising samples for laboratory analysis.

6.0 CONTAMINATION LABORATORY TESTING

6.1 Scheduled Testing

Samples were selected for geochemical (contamination) analysis, based on the following rationale:

- Made Ground /Reworked Ground was encountered, which may contain a wide range of contaminants. Selected samples from all positions between 0.20-0.80m were tested for a routine screening suite (S1) and were screened for asbestos.
- Due to the site's history all samples were tested for speciated Total Petroleum Hydrocarbon (TPH7), and Volatile/Semi Volatile Organic Compounds (VOC/SVOC).
- Waste classification testing (S3) on four samples was included in the scope of works, to provide a preliminary assessment for waste handling. Representative samples of Made Ground /Reworked Ground and Till were selected for testing.

Sample	Strata	S1	Asbestos	TPH7	VOC/SVOC	S3
TP101 0.30m	Made Ground	X	X	X	X	
TP101 0.60m	Till	X	X	X	X	X
TP101 1.00m				X	X	
TP102 0.30m	Made Ground	X	X	X	X	X
TP102 0.80m		X	X	X	X	
TP102 1.20m	Till			X	X	
TP103 0.20m	Reworked Ground	X	X	X	X	X
TP103 0.60m		X	X	X	X	
TP103 0.90m				X	X	
TP104 0.40m	Made Ground	X	X	X	X	X
TP104 0.70m		X	X	X	X	
TP104 1.20m	Till			X	X	

The relevant screening suites are defined below. Where duplicate analysis exists between suites, each test is performed only once:

Suite	Definition
S1 (soil)	Screening suite: pH, fraction of organic carbon, metals and non-metals, water soluble sulphate, sulphide, total cyanide, total phenols, speciated PAHs.
Asbestos	Asbestos screen: Laboratory screening for fibres and Asbestos Containing Materials (ACM); identification where identified. Using polarising light and dispersion staining as described in HSG 248, HSE Contract Research Report No 83/1996 and in Davies et al, 1996.
TPH7	Speciated TPH: Total petroleum hydrocarbons CWG banding incl. aliphatic and aromatic split plus BTEX and MTBE.
VOC/SVOC	VOCs: Determination of volatile organic compounds in soil by headspace GC-MS. SVOCs: Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.
S3	Waste Acceptance Criteria (WAC): Total Organic Carbon (TOC), Loss on Ignition (LoI), BTEX, speciated PCBs, mineral oil (EC10 – EC40), pH, acid neutralisation capacity, speciated PAHs, 10:1 leachable metals and non-metals.

The results are discussed in the relevant sections.

7.0 HUMAN HEALTH SCREENING

7.1 Screening Values

As the basis of a generic tier 1 screening assessment, the results have been compared directly against published standards for human health.

Several different partly overlapping schemes are currently in use in the UK, based on the Environment Agency's CLEA Model but with differing toxicological parameters. For this report, these schemes have been applied in the following hierarchy:

- Suitable For Use levels (S4UL) published by LQM in association with the CIEH.
- Category 4 Screening Levels (C4SL) published by the DEFRA and CL:AIRE.

Whilst other standards exist, such as the LQM Generic Assessment Criterion and the Environment Agency's Soil Guideline Values, these are deemed superseded by the above documents.

The soil chemical analysis results have been compared against respective screening values for residential land uses without plant uptake (i.e. residential properties without private gardens, where produce is unlikely to be homegrown for consumption).

For contaminants where the respective screening value is dependent on Soil Organic Matter (SOM), the corresponding value for 2.50% was used (the arithmetic mean SOM value for the soil was 3.13%).

Where no standard exists, the contaminant is either not considered a priority in terms of human health (at least in the scenario being considered), or no screening value has been published.

7.2 Screening Results

None of the results exceeded the screening criteria, with the exception of the following:

Determinand	Screening value (mg/kg)	Results Exceeding the Screening Value
Naphthalene	5.6	TP102 0.30m (5.87mg/kg)
Benzo(a)anthracene	14	TP102 0.30m (251mg/kg), TP102 0.80m (70.80mg/kg), TP103 0.20m (34.8mg/kg), TH104 0.40m (55.4mg/kg), TP104 0.70m (19.40mg/kg)
Chrysene	31	TP102 0.30m (296mg/kg), TP102 0.80m (61.80mg/kg), TP104 0.40m (43.70mg/kg)
Benzo(b)fluoranthene	4	TP101 0.30m (7mg/kg), TP101 0.60m (6.24mg/kg), TP102 0.30m (388mg/kg), TP102 0.80m (78.10mg/kg), TP103 0.20m (54.50mg/kg), TP103 0.60m (8.26mg/kg), TP104 0.40m (90.90mg/kg), TP104 0.70m (32.00mg/kg)
Benzo(k)fluoranthene	110	TP102 0.30m (341mg/kg)
Benzo(a)pyrene	3.2	TP101 0.30m (9.67mg/kg), TP101 0.60m (7.86mg/kg), TP102 0.30m (430mg/kg), TP102 0.80m (107mg/kg), TP103 0.20m (68.00mg/kg), TP103 0.60m (8.70mg/kg), TP104 0.40m (109mg/kg), TP104 0.70m (37.80mg/kg)

Determinand	Screening value (mg/kg)	Results Exceeding the Screening Value
Indeno(1,2,3-cd)pyrene	46	TP102 0.30m (570mg/kg), TP102 0.80m (78mg/kg), TP103 0.20m (51mg/kg), TP104 0.40m (94.20mg/kg)
Di-benzo(a,h)anthracene	0.32	TP101 0.30m (4.48mg/kg), TP101 0.60m (2.40mg/kg), TP102 0.30m (126mg/kg), TP102 0.80m (27.30mg/kg), TP103 0.20m (18.80mg/kg), TP103 0.60m (1.25mg/kg), TP104 0.40m (23.00mg/kg), TP104 0.70m (10.20mg/kg)
Lead	310	TP101 0.30m (355mg/kg), TP101 0.60m (615mg/kg), TP102 0.30m (886mg/kg), TP102 0.80m (614mg/kg), TP104 0.40m (471mg/kg)
Mercury	1.2	TP103 0.20m (2.54mg/kg)
Nickel	180	TP101 0.60m (231mg/kg), TP102 0.80m (265mg/kg)

7.3 Elemental Mercury

The screening value for mercury was based on the assessment for elemental mercury as this was the most conservative (lowest) value for the different species of mercury. However, elemental mercury (i.e. the liquid form) itself is very unlikely to occur in soils and there is no known history of mercury usage at the site. Consequently, the less conservative screening values for inorganic mercury (40mg/kg) or methyl mercury (11mg/kg) are more appropriate in this instance. None of the results exceeded the higher thresholds. Specialist speciated mercury testing is not warranted.

7.4 Benzo(a)Pyrene

With respect to Polycyclic Aromatic Hydrocarbons (PAHs) Land Science adopt the surrogate marker approach described in Appendix E of the C4SL suite of documents i.e. using benzo(a)pyrene as a representative compound for all genotoxic PAHs. This approach was used as benzo(a)pyrene was detected in the samples, and the other PAHs identified above the individual screening values were all classed as genotoxic. The table below summarises the revised screening assessment:

Determinand	GAC	Concentration		Results Above GAC Value
		Mean	Max	
Benzo(a)pyrene (as surrogate marker)	5.3	97	430	TP101 0.30m (9.67mg/kg), TP101 0.60m (7.86mg/kg), TP102 0.30m (430mg/kg), TP102 0.80m (107mg/kg), TP103 0.20m (68.00mg/kg), TP103 0.60m (8.70mg/kg), TP104 0.40m (109mg/kg), TP104 0.70m (37.80mg/kg)

7.5 Speciated TPH

The risks from TPHs are assessed differently from other contaminants. The ratio of an individual group of carbon bands to the respective GAC is calculated (a hazard quotient) and these are totalled to derive a sample specific hazard index. A hazard index exceeding 1.0 suggests a potential significant risk to human health in the exposure scenario considered. The calculated hazard indexes are summarised below.

Sample	Total TPH mg/kg	Hazard Index	Notes
TP101 0.30m	62.66	0.03	No significant risk to human health
TP101 0.60m	306.473	0.09	
TP101 1.00m	209.1875	0.07	
TP102 0.30m	6643	2.63	Potential significant risk to human health
TP102 0.80m	664.4	0.80	No significant risk to human health
TP102 1.20m	325.642	0.14	
TP103 0.20m	188.47	0.07	
TP103 0.60m	1052.009	0.26	
TP103 0.90m	631.124	0.08	
TP104 0.40m	1648.359	0.63	
TP104 0.70m	472.947	0.19	
TP104 1.20m	218.69	0.10	

7.6 Volatile and Semi-Volatile Compounds

The table below identifies volatile compounds (VOCs/SVOCs) found to exceed their respective detection limits, but where no screening values had been set.

Determinant	Detection Limit	Results Exceeding the Screening Value
2-Methylnaphthalene	0.10mg/kg	TP101 0.60m (0.20mg/kg), TP101 1.00m (0.51mg/kg), TP102 0.30m (14.40mg/kg), TP102 0.80m (1.06mg/kg), TP102 1.20m (0.69mg/kg), TP103 0.60m (0.13mg/kg), TP103 0.90m (0.57mg/kg), TP104 0.40m (1.44mg/kg), TP104 0.70m (0.36mg/kg), TP104 1.20m (0.10mg/kg)
Carbazole	0.30mg/kg	TP102 0.30m (16.50mg/kg), TP102 0.80m (1.31mg/kg), TP102 1.20m (0.81mg/kg), TP103 0.90m (0.38mg/kg), TP104 0.40m (2.77mg/kg), TP104 0.70m (0.36mg/kg)
Dibenzofuran	0.20mg/kg	TP101 0.60m (0.40mg/kg), TP102 0.30m (23.90mg/kg), TP102 0.80m (1.96mg/kg), TP102 1.20m (1.71mg/kg), TP103 0.20m (3.99mg/kg), TP103 0.90m (0.40mg/kg), TP104 0.40m (2.19mg/kg), TP104 0.70m (0.38mg/kg)

7.7 Asbestos

There are no published screening values for asbestos in soil. From the 12no. samples tested no asbestos was detected.

7.8 Polychlorinated Biphenyls (PCBs)

Four soil samples were tested within the waste criteria testing which included PCB testing. There are no published screening values for PCBs in soil, however, from the four samples screened for PCBs, none of the results exceeded their respective detection limits.

8.0 ENVIRONMENTAL SCREENING

8.1 Soft Landscaping

A number of documents include guidance on screening levels of phytotoxic contaminants within soils, including:

- BS3882:2015 "Specification for topsoil and requirements for use" (although stipulated as not to be used in contaminated land risk assessment).
- ICRL in publication 70/90 1990 'Notes on the Restoration and Aftercare of Metalliferous Mining Sites for Pasture and Grazing' (although indirectly withdrawn) (where marked *).
- Code of Practice for Agricultural Use of Sewage Sludge (England and Wales 1996) for arable use (as opposed to grazing) and relating to priority phytotoxic elements only.

The results of the chemical analysis for determinands known to pose a potential phytotoxic risk to plant growth are summarised on the following table, together with the respective adopted screening values for plant growth. The results of the chemical analysis were evaluated singularly without the use of statistical tools.

Element	Phytotoxicity Value (mg/kg)			Arable (grassland)	Results Exceeding Screening Value
	pH <6.0	pH 6.0-7.0	pH >7.0	pH >5.2	
Zinc	200	200	300	300 (300)	TP101 0.30m (3300mg/kg), TP101 0.60m (6760mg/kg), TP102 0.30m (1950mg/kg), TP102 0.80m (5040mg/kg), TP104 0.40m (391mg/kg)
Copper	100	135	200	200 (330)	TP101 0.30m (1820mg/kg), TP101 0.60m (2010mg/kg), TP102 0.30m (845mg/kg), TP102 0.80m (2050mg/kg)
Nickel	60	75	110	110 (180)	TP101 0.30m (170mg/kg), TP101 0.60m (231mg/kg), TP102 0.30m (108mg/kg), TP102 0.80m (265mg/kg)
Cadmium	50*			3.0 (3.0)	TP101 0.30m (16.70mg/kg), TP101 0.60m (42.70mg/kg), TP102 0.30m (13.30mg/kg), TP102 0.80m (13.40mg/kg)
Arsenic	1,000*			50 (50)	None

8.2 pH and Sulphate

The results of the pH and water-soluble sulphate tests are summarised on the following table.

Strata	No. of Tests	Water Soluble Sulphate (SO ₄ mg/l)	pH (value)
Made Ground	5	30-272	7.78-8.99
Reworked Ground	2	96-186	8.02-9.09
Till	1	34.4	8.16

Recommendations with respect to sulphate and buried concrete are made in section 10.4. It is noted that no onerous precautions in this respect are warranted.

8.3 Potable Water Supplies

The risk of chemical attack on water supply pipework has been assessed following the general principles set out in the joint Water UK/HBF (Home Builders Federation) *Contaminated Land Assessment Guidance* dated January 2014. A summary of the main chemical criteria is reproduced below.

Test Group	Poly-ethylene (PE)	Polyvinyl Chloride (PVC)	Metal or Barrier pipe	Results Exceeding (in mg/kg)
VOCs	0.5	0.125	No limit	None
VOCs + BTEX & MTBE	0.1	0.03	No limit	TP101 0.60m (0.04mg/kg), TP103 0.60m (0.05mg/kg)
SVOCs (excl. PAH's etc.)	2.0	1.4	No limit	TP102 0.30m (54.80mg/kg), TP102 0.80m (4.33mg/kg), TP102 1.20m (3.21mg/kg), TP103 0.20m (3.99mg/kg), TP104 0.40m (6.40mg/kg)
SVOCs + Phenols	2.0	0.4	No limit	TP101 0.60m (0.70mg/kg), TP101 1.00m (0.64mg/kg), TP102 0.30m (54.80mg/kg), TP102 0.80m (4.33mg/kg), TP102 1.20m (3.21mg/kg), TP103 0.20m (3.99mg/kg), TP103 0.90m (1.35mg/kg), TP104 0.40m (6.40mg/kg), TP104 0.70m (1.10mg/kg)
SVOCs + Cresols & Chlorinated Phenols	2.0	0.04	No limit	TP101 0.30m (0.07mg/kg), TP101 0.60m (0.70mg/kg), TP101 1.00m (0.64mg/kg), TP102 0.30m (54.80mg/kg), TP102 0.80m (4.33mg/kg), TP102 1.20m (3.21mg/kg), TP103 0.20m (3.99mg/kg), TP103 0.60m (0.30mg/kg), TP103 0.90m (1.35mg/kg), TP104 0.40m (6.40mg/kg), TP104 0.70m (1.10mg/kg), TP104 1.20m (0.37mg/kg)
Mineral oil EC11-20	10	No limit	No limit	TP101 0.30m (14.26mg/kg), TP101 0.60m (160.90mg/kg), TP101 1.00m (144.10mg/kg), TP102 0.30m (3609.60mg/kg), TP102 0.80m (224.60mg/kg), TP102 1.20m (77.33mg/kg), TP103 0.20m (33.11mg/kg), TP103 0.60m (195.23mg/kg), TP103 0.90m (48.04mg/kg), TP104 0.40m (489.54mg/kg), TP104 0.70m (111.44mg/kg), TP104 1.20m (60.02mg/kg)
Mineral oil EC21-40	500	No limit	No limit	TP102 0.30m (2996.70mg/kg), TP103 0.60m (856.00mg/kg), TP104 0.40m (1157.60mg/kg)

Redox potential and conductivity should be checked where metal pipework is to be installed. aluminium barrier pipework is acceptable under all conditions. No pipework should be laid where there is evidence of petrol, diesel etc.

9.0 CONTROLLED WATERS SCREENING

The relevant analytical results have been compared directly against the standard set out in the water framework directive for surface waters, and the current UK potable water supply regulations.

9.1 Soil Leachate Screening

In comparison to the adopted surface water standards, the following determinands exceeded the respective thresholds:

Determinand	EQS	Units	TP101 0.60m	TP102 0.30m	TP103 0.20m	TP104 0.40m
Copper	0.001	mg/l	0.0048	0.0093	0.0082	0.0137
Lead	0.0012	mg/l	<0.0005	0.0057	0.0026	<0.0005

In comparison to the adopted drinking water standards, the following determinands exceeded the respective thresholds:

Determinand	DWS	Units	TP101 0.60m	TP102 0.30m	TP103 0.20m	TP104 0.40m
Fluoride	1.5	mg/l	2.89	4.38	2.57	2.60
Arsenic	0.01	mg/l	0.0062	0.008	0.0293	0.0156

10.0 TIER 1 CONTAMINATION ASSESSMENT

10.1 End Users

The chemical results identified the following:

- All the samples of Made Ground had numerous PAHs above the assessment criteria.
- Both samples of Made Ground at TP101 and TP102 as well as the shallow sample from TP104 had exceedances for lead.
- Both the deeper samples of Made Ground from TP101 and TP102 had exceedances of nickel.
- The shallow sample of Made Ground at TP102 had notable elevated total petroleum hydrocarbons, which may pose a potential risk for volatile vapours.
- Several volatile compounds were also found above their detection levels, however screening criteria is not currently available in the majority of the samples.

Consideration should be given to either conducting further investigation or proceeding considering possible remediation measures.

10.2 Adjacent Land Users

The site has not been identified as a risk of ongoing pollution to neighbouring land. However, measures should always be taken to prevent and control any dust, run-off and mud etc generated during groundworks, as part of good site management.

10.3 Soft Landscaping

Zinc, copper, nickel and cadmium all exceeded the phytotoxicity screening values in the Made Ground samples at TP101 and TP102 and locally in TP104 (just zinc). No evidence of potentially phytotoxic effects was noted during the site walkover survey inspection.

The physical composition of the Made Ground which contained concrete, brick, concrete and bitumen was such that it was unlikely to be a suitable medium for landscaping and planting. Clean imported topsoil and subsoil will be required in accordance with appropriate British Standards.

10.4 Concrete Specification

All sub surface concrete should be designed and specified in accordance with BS8500-1:2015+A1:2016. The results of the sulphate and pH analyses fell into Class DS-1 and an ACEC class AC-1 is appropriate.

10.5 Potable Water Supplies

The recorded concentrations of volatiles and hydrocarbons exceeded the respective standards for PVC and PE pipe in all the samples. Suitable types of pipework materials may include metal or aluminium barrier pipe.

Evidence of possible soil contamination (such as staining, malodours, or brightly coloured soils) was identified in the field. Black staining was noted in TP101 0.08-0.50m, and a hydrocarbon odour was noted in TP102 0.10-0.80m - no potable water supplies should be laid in contaminated ground.

10.6 Ground Water Protection

The preliminary conceptual site model identified possible source pathway-receptor-linkages with respect to groundwater. The site overlies a secondary aquifer over a principal aquifer, but no groundwater source protection zones were identified on site or in the vicinity. Contamination may be mobilised through the infiltration and percolation of water downwards through the soil column and into the water table. This may then in turn migrate with the water table and impact directly on potential abstraction points.

Comparing the soil-leachate data directly to drinking water standards, fluoride and arsenic exceeded the respective standards (fluoride: TP101 0.60m 2.89mg/l, TP102 0.30 4.38mg/l, TP103 0.20m 2.57mg/l, and TP104 0.40m 2.60mg/l; arsenic: TP103 0.20m 0.0293mg/l, and TP104 0.40m 0.0156mg/l).

Removal of the Made Ground during construction will reduce the risk of impact on groundwater quality.

10.7 Surface Water Protection

No surface water bodies were identified in the local area, and therefore no source-pathway-receptor linkages exist in this regard.

10.8 Conclusions

The updated conceptual site model has identified the following potential risks:

- End users; inhalation, ingestion, dermal contact with soils, soil borne dusts, inhalation of vapours.
- Soft landscaping; risk of phytotoxicity and poor soil conditions for landscaping and planting.
- Water supply pipes; risk of chemical attack, decay and tainting of water supplies.
- Groundwater; risk of contamination in Made Ground migrating into the water table and impacting on background quality; impact on local receptor points such as abstractions.

It seems unlikely that further investigation would be fruitful at this stage considering the extent to which metals, PAHs, TPHs and volatile results exceeded the thresholds, the number of samples in which it was detected, and the composition and consistency of soils.

Based on a preliminary remediation options appraisal, it was considered that the risks would most cost effectively mitigated by:

- Complete removal of Made Ground from any landscaping areas, and reinstating with topsoil/subsoil as required by the landscape designer (minimum 150mm topsoil).
- Excavating and disposing of contaminated soils and replacement with a capping system.
- Provision of upgraded or protected water supply pipework to a specification agreed with the local utility.
- An organic vapour resistant membrane within the floor slab construction. A ventilated subfloor void is unlikely to be appropriate given the expected piled foundation solution.

The Remediation Strategy produced in 2024 should be revised appropriately.

A copy of this report should be submitted to the relevant authorities for approval in sufficient time prior to commencement on site.

An appropriate level of supervision and testing will be required, to form part of a formal *Verification Report*.

11.0 PRELIMINARY WASTE ASSESSMENT

11.1 General

Waste may be defined as any substance or object in Annex 1 of the Waste Framework Directive which the holder discards, intends to discard, or is required to discard. Subject to compliance with waste regulations, soils may either be handled as either:

- Non-Waste, and re-used (either on-site or on another site), or
- Waste, and disposed of (to a waste management facility).

Given the confines of the site, it was anticipated that all materials would be disposed of from site as waste.

The waste producer has a legal duty of care to ensure that waste materials are handled properly and sent to the appropriate licenced facility. Substantial tax penalties and fines are being levied by the regulators. Inspection, testing, segregation etc. will be required on site, and the support of a suitably qualified consultant should be sought; therefore, the advice in this section is preliminary only.

11.2 Waste Disposal

Where materials are not re-used they must be handled as waste, and must be sent to a licenced waste management facility. Waste soil is classified for disposal purposes as follows:

Step 1: Does the material contain dangerous substances in various proportions that exceed the thresholds for hazardous waste under the Waste Framework Directive?

- If yes, the material is hazardous
- If not, the material is non-hazardous

Step 2: Does the waste acceptance testing allow the materials to be sub classified as follows:

- If hazardous, does the soil meet the requirements for Stable Non-Reactive Hazardous Waste (SNRHW)?
- If non-hazardous, does the soil meet the requirements for inert waste?

A material is therefore either hazardous or non-hazardous waste; hazardous may only be sub-classified as SNRHW and non-hazardous waste may only be sub-classified as inert.

The results of the soils analysis have been interpreted as follows:

Soil	Step 1: Hazardous Waste	Step 2: Waste Acceptance	Asbestos etc.	Waste Designation
TP101 0.30m (Made Ground)	Hazardous - elevated copper and zinc	The soil analysis was identified as hazardous waste – no WAC test undertaken	None identified	Hazardous waste

Soil	Step 1: Hazardous Waste	Step 2: Waste Acceptance	Asbestos etc.	Waste Designation
TP101 0.60m (Till Deposits)	Hazardous – elevated copper and zinc	The soil analysis was identified as hazardous waste, although the WAC test met the criteria for stable non-reactive hazardous waste.		Stable non- reactive hazardous waste
TP102 0.30m (Made Ground)	Hazardous - elevated TPH	The soil analysis was identified as hazardous waste, although the WAC test met the criteria for stable non-reactive hazardous waste.		Stable non- reactive hazardous waste
TP102 0.80m (Made Ground)	Hazardous - elevated copper and zinc	The soil analysis was identified as hazardous waste – no WAC test undertaken		Hazardous waste
TP103 0.20m (Reworked Ground)	Non-hazardous	The soil analysis was identified as non-hazardous waste, and the WAC test also met the criteria for non-hazardous waste.		Non-hazardous waste
TP103 0.60m (Reworked Ground)	Hazardous - elevated TPH and BTEX	The soil analysis was identified as hazardous waste – no WAC test undertaken		Hazardous waste
TP104 0.40m (Made Ground)	Hazardous - elevated TPH	The soil analysis was identified as hazardous waste, and the WAC test also met the criteria for hazardous waste.		Hazardous waste
TP104 0.70m (Made Ground)	Non-hazardous	The soil analysis was identified as non-hazardous waste – no WAC test undertaken.		*Non-hazardous waste

Whilst the sample marked * was classified as non-hazardous, WAC testing was not carried out and therefore the materials could not be sub-classified as inert, further testing may represent a potential saving on disposal costs.

With reference to the current List of Wastes (formerly European Waste Catalogue), waste soils and stone derived from construction and demolition sites may be disposed of under either of the following codes as appropriate:

Waste	Code	Description
Hazardous	17 05 03*	soil and stones containing dangerous substances
Non-Hazardous	17 05 04	soil and stones other than those mentioned in 17 05 03

(Note, the asterix is a Mirror Entry, as defined in the List of Wastes, conferring the relationship with the non-hazardous code 17-05-04).

REFERENCES

A number of technical references have been referred to in the preparation of this document, including:

- Smith, I. (2014) Smith's Elements of Soil Mechanics. Chichester. Wiley Blackwell. 9th edition.
- BRE Design Guide 365. Soakaway design ("DG365").
- Radon: Guidance on protective measures for new buildings, BRE Report BR 211, 2023 6th edition.
- The Environment Agency's approach to groundwater protection. February 2018 Version 1.2.
- Water UK and the Home Builders Federation; Contaminated Lane Assessment Guidance, dated January 2014.
- Concrete – Complementary British Standard to BS EN 206 - Method of specifying and guidance for the specifier BS 8500-1:2023 - TC, dated November 2023.
- Revised EU Waste Framework Directive 2008 2008/98/EC [transposed into English law under The Waste (England and Wales) Regulations 2011].
- European Community (EC) Directive 1999/31/EC [transposed into English law under the Landfill (England and Wales) Regulations 2002].
- Defining Waste Recovery - Permanent Deposit of Waste on Land, EPR13 v1.0, EA 2010.
- The definition of waste: Development Industry Code of Practice, v2, CL:AIRE 2011.
- Guidance on the classification and assessment of waste Technical Guidance WM3 ("WM3") EA publication (1st edition v1.2GB) dated 2021.

REPORT CONDITIONS

The Client

This report may only be used by the client named in section 1 and their appointed project team for the purpose of design, obtaining planning, building regulations approval, and in connection with finance. This report must not be used by any other persons or for other purposes without express written agreement of Land Science.

General

Land Science takes all reasonable professional care in the preparation of this report, using current standards and industry practice. However, the evaluation of ground conditions depends on an interpretation and extrapolation of the conditions revealed by a limited data set. The level of risk is related to the extent of investigation and no site is ever free of risk. The client should understand their risks and liabilities. We accept no liability whatsoever in respect of:

- The scope, extent or design of an investigation.
- Any conditions not directly revealed by the investigation.
- Published standards or methodologies used or adopted in this report.
- The opinion of any other party including any regulator, authority or stakeholder.
- Any dispute, claim or consequential loss arising from any findings of this report.
- Third party information and data.

This report relates solely to ground-related matters as set out in the objectives and makes no representation on other matters such as ecology, arboriculture, invasive plant species, the condition of buildings and structures, hazardous building materials such as insulation or asbestos, the locations of boundaries, unexploded ordnance, and or planning constraints etc. Further reports should be commissioned in this respect as appropriate.

Regulators and Approvals

This (and any other) report should be submitted to relevant authorities for their own assessments and to provide their approval or comments accordingly. This should be in good time before commencing on site in case additional work is to be carried out.

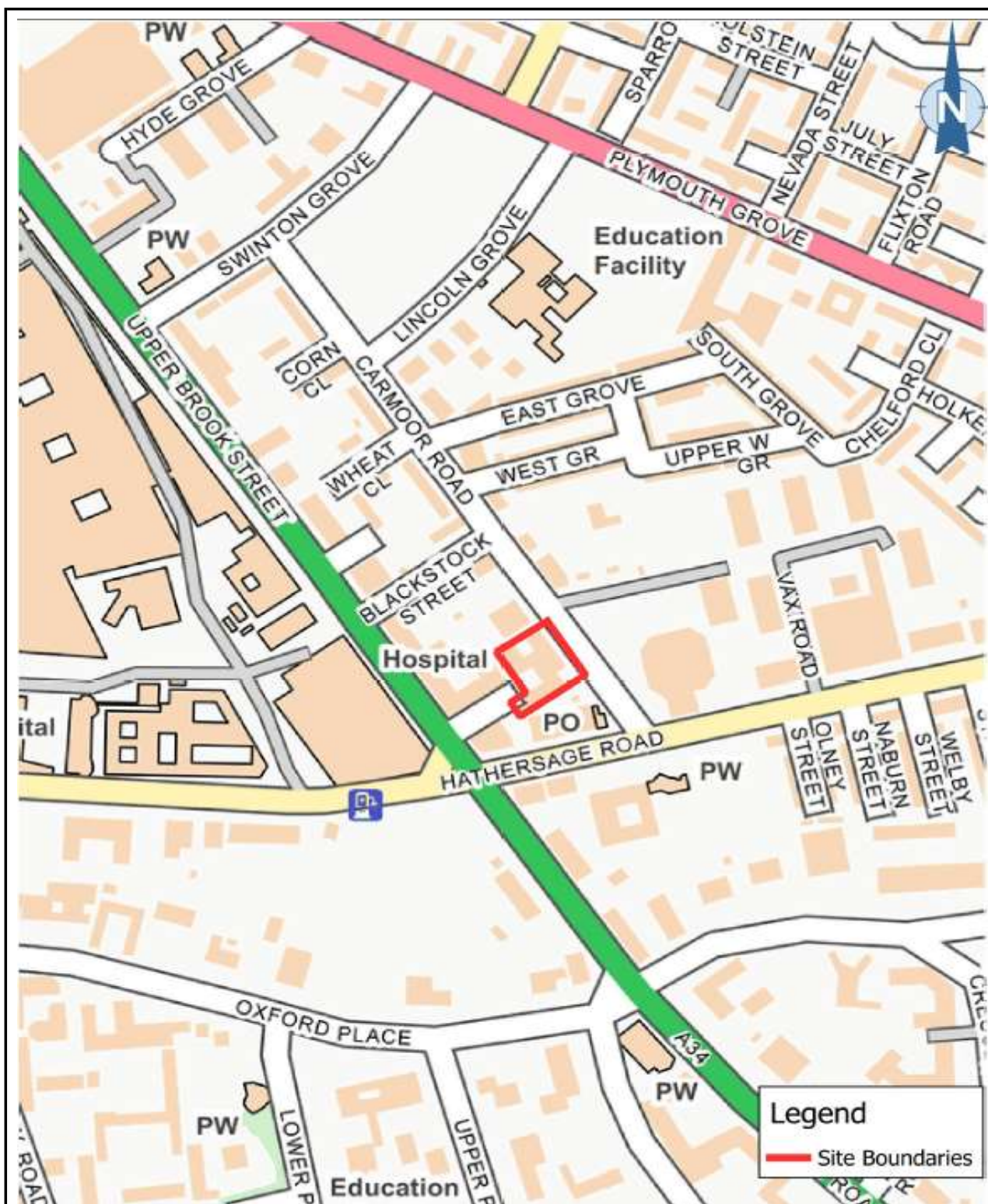
Standards, technical guidance and regulatory positions change over time and may therefore affect the findings and recommendations made in this report; this should be verified by the client prior to any critical project milestones. Where this information is used in design, the designer should verify that the information is appropriate and has been used correctly.

Variations with Time

The report relates to conditions revealed at the time of the investigation and any monitoring visits. Some parameters may vary over time or seasonally; groundwater levels, ground gas compositions, or concentrations of contaminants are particularly variable in this respect. Further monitoring or verification should be considered as appropriate.

GLOSSARY OF TERMS

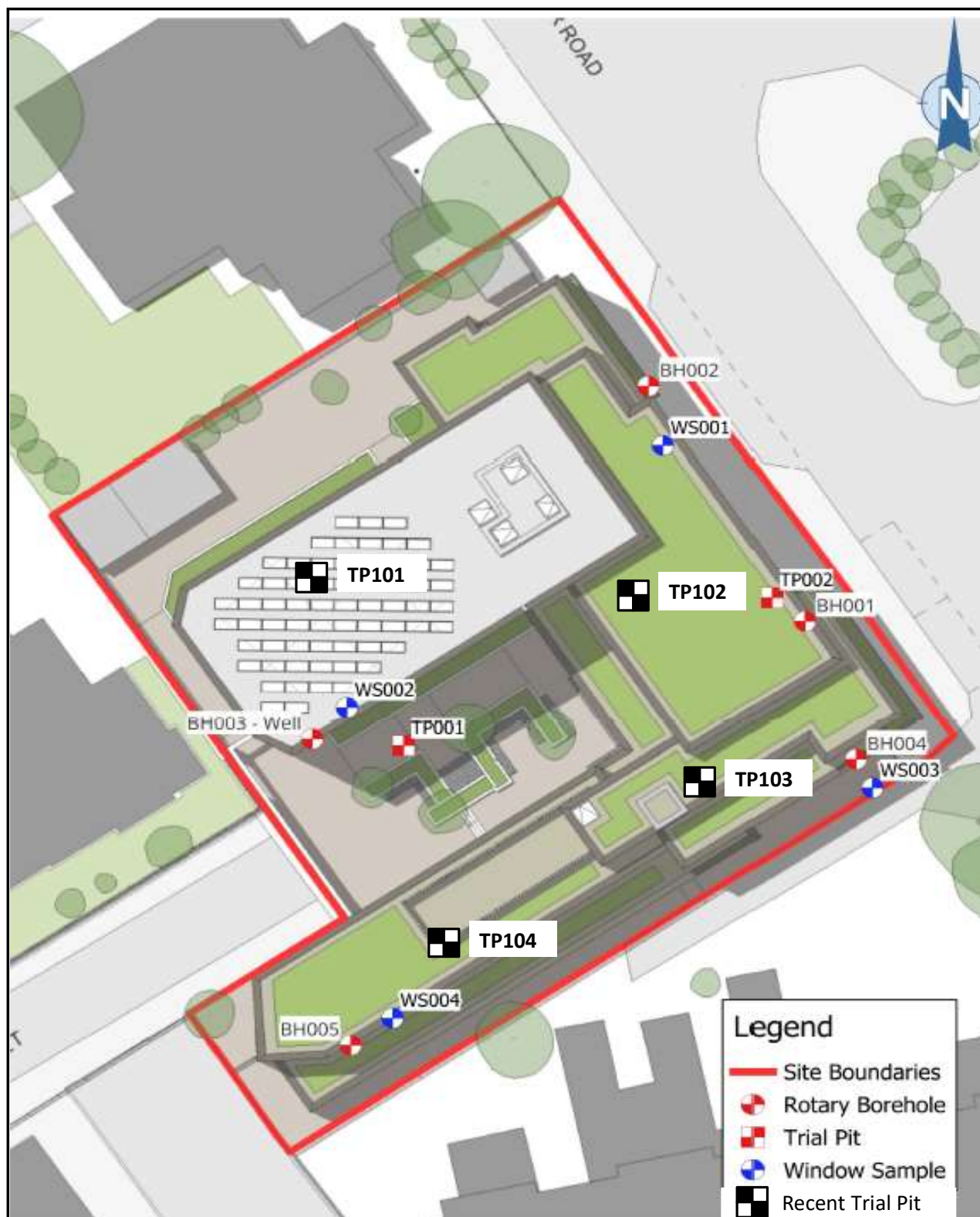
ACM	Asbestos Containing Material
BGS	British Geological Survey
BRE	Building Research Establishment
BS	British Standard
C4SL	Category 4 Screening Level
CBR	California Bearing Ratio
CDM	Construction Design and Management regulations
CIRIA	Construction Industry Research and Information Association
CL:AIRE	Contaminated Land: Applications in Real Environments
CLEA	Contaminated Land Exposure Assessment model
CSM	Conceptual Site Model
EA	Environment Agency
EQS	Environmental Quality Standards
FOC	Fraction of Organic Carbon
GAC	Generic Assessment Criterion
GQRA	Generic Quantitative Risk Assessment
mbgl	Meters Below Ground Level
NHBC	National House Building Council
mOD	Metres above Ordnance Datum
PAHs	Polycyclic Aromatic Hydrocarbons
PHE	Public Health England
PID	Photo-Ionisation Detector
PQRA	Preliminary Quantitative Risk Assessment
PSD	Particle Size Distribution Test
RMS	Remediation Method Statement
S4UL	Suitable for Use Level
SOM	Soil Organic Matter
SPZ	Source Protection Zone
SPT	Standard Penetration Test
SSSI	Sites of Special Scientific Interest
ST-WEL	Short Term Workplace Exposure Limit
SVOCs	Semi-Volatile Organic Compounds
TPH	Total Petroleum Hydrocarbons
TRRL / TRL	Transport Road Research Laboratory
TWA-WEL	Time Weighted Average Workplace Exposure Limit
UK HBF	United Kingdom House Building Federation
VOCs	Volatile Organic Compounds
WAC	Waste Acceptance Criteria



	TITLE: Site Location			REF: LS9115
	PROJECT: 90 Carmoor Road, Manchester, M13 0FB			FIGURE 1
	CLIENT: Tiger Developments Ltd			DATE: 11.02.2026
	CHECK: JM	CHECK: MR	VERSION V1	SHEET: 1 OF 1



	TITLE: Site Investigation Layout			REF: LS9115
	PROJECT: 90 Carmoor Road, Manchester, M13 0FB			FIGURE 2
	CLIENT: Tiger Developments Ltd			DATE: 11.02.2026
	CHECK: JM	CHECK: MR	VERSION V1	SHEET: 1 OF 1



	TITLE: Proposed Development			REF: LS9115
	PROJECT: 90 Carmoor Road, Manchester, M13 0FB			FIGURE 3
	CLIENT: Tiger Developments Ltd			DATE: 11.02.2026
	CHECK: JM	CHECK: MR	VERSION V1	SHEET: 1 OF 1

APPENDIX A



TITLE:	Site Photographs	REF:	LS9115	PREPARED:	JM
PROJECT:	90 Carmoor Road, Manchester M13 0FB	SHEET:	1	CHECKED:	MR
CLIENT:	Tiger Developments Ltd	DATE:	11/02/2026	VERSION	V1

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0345 604 6494

UNIT 10, 19 ALBERT DRIVE BURGESS HILL, WEST SUSSEX, RH15 9TN



TITLE:	Site Photographs	REF:	LS9115	PREPARED:	JM
PROJECT:	90 Carmoor Road, Manchester M13 0FB	SHEET:	2	CHECKED:	MR
CLIENT:	Tiger Developments Ltd	DATE:	11/02/2026	VERSION	V1



TITLE:	Site Photographs	REF:	LS9115	PREPARED:	JM
PROJECT:	90 Carmoor Road, Manchester M13 0FB	SHEET:	3	CHECKED:	MR
CLIENT:	Tiger Developments Ltd	DATE:	11/02/2026	VERSION	V1



TITLE:	Site Photographs	REF:	LS9115	PREPARED:	JM
PROJECT:	90 Carmoor Road, Manchester M13 0FB	SHEET:	4	CHECKED:	MR
CLIENT:	Tiger Developments Ltd	DATE:	11/02/2026	VERSION	V1

APPENDIX B



SML Laboratories Ltd
Unit E1, Rosebury Business Park
Brampton Road
Eastbourne BN22 9BN
Tel: 01323 302280
Email: cs@sml-laboratories.co.uk

Analytical Report: 25-000508

Customer: Constructive Evaluation Ltd

Address: Units 15 & 16 Ford Lane Business Park, Ford, Arundel, BN18 0UZ

Name: Jocelyn Middleton

Project: 90 Carmoor Road, M13 0FB

Customer ref: LS9115

Quote ref: -

Sampling date: 27/01/26

Samples received: 29/01/26

Instructions received: 29/01/26

Report issued: 05/02/26

Report issue number: 1

Report Approved By

A handwritten signature in black ink, appearing to read 'Graham Knight', is written over a horizontal line.

Graham Knight – Laboratory Operations Manger

Sample Summary

Analytical Report: 25-000508 issue 1

SML No.	Client's Ref	Depth (m)	Date Sampled	Date Scheduled	Description	Deviations
2733	TP101	0.30	27/01/26	29/01/26	Clay Loam	-
2734	TP101	0.60	27/01/26	29/01/26	Clay Loam	-
2735	TP101	1.00	27/01/26	29/01/26	Clay Loam	-
2736	TP102	0.30	27/01/26	29/01/26	Silt Loam	-
2737	TP102	0.80	27/01/26	29/01/26	Silty Clay	-
2738	TP102	1.20	27/01/26	29/01/26	Silt Loam	-
2739	TP103	0.20	27/01/26	29/01/26	Sandy Clay Loam	-
2740	TP103	0.60	27/01/26	29/01/26	Sandy Loam	-
2741	TP103	0.90	27/01/26	29/01/26	Sandy Loam	-
2742	TP104	0.40	27/01/26	29/01/26	Sandy Loam	-
2743	TP104	0.70	27/01/26	29/01/26	Sandy Loam	-
2744	TP104	1.20	27/01/26	29/01/26	Sandy Loam	-

Analytical Report: 25-000508 issue 1

SML Ref	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744
Customer Ref	-	-	-	-	-	-	-	-	-	-	-	-
Sample ID	-	-	-	-	-	-	-	-	-	-	-	-
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Location	TP101	TP101	TP101	TP102	TP102	TP102	TP103	TP103	TP103	TP104	TP104	TP104
Sample Depth (m)	0.30	0.60	1.00	0.30	0.80	1.20	0.20	0.60	0.90	0.40	0.70	1.20
Sampling Date	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26

Determinant	Codes	Units	LOD
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Soil preparation parameters

Moisture Content	N	%	0.1	18.6	11.7	14.6	16.6	20.2	22.1	15.6	14.5	15.2	10.8	16.7	16.1
Material removed	N	%	0.1	37.9	40.3	-	42.1	23.5	-	37.6	34.2	-	46.1	32.4	-
Description of inert material removed	N	N/A	N/A	Stones	Stones	-	Stones, Clinker	Stones	-	Stones, Clinker, Brick	Stones, Clinker	-	Stones, Clinker, Brick	Stones, Brick	-

Metals

Beryllium	N	mg/kg	0.5	<0.5	<0.5	-	<0.5	0.61	-	1.34	0.81	-	1.39	1.19	-
Vanadium	N	mg/kg	1	34.9	61.1	-	86.1	182	-	29.3	23.6	-	33.6	29.7	-
Chromium	N	mg/kg	1	170	177	-	62.0	166	-	23.7	18.1	-	22.4	22.4	-
Nickel	N	mg/kg	1	170	231	-	108	265	-	36.2	24.1	-	30.9	28.8	-
Copper	N	mg/kg	1	1820	2010	-	845	2050	-	95.6	66.8	-	125	91.3	-
Zinc	N	mg/kg	1	3300	6760	-	1950	5040	-	190	104	-	391	189	-
Arsenic	N	mg/kg	1	10.7	15.6	-	7.43	15.0	-	20.0	15.7	-	28.7	18.8	-
Selenium	N	mg/kg	1	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-
Cadmium	N	mg/kg	0.5	16.7	42.7	-	13.3	13.4	-	0.61	<0.5	-	1.97	0.81	-
Barium	N	mg/kg	1	685	767	-	530	752	-	244	120	-	381	298	-
Mercury	N	mg/kg	0.5	<0.5	<0.5	-	<0.5	<0.5	-	2.54	1.19	-	0.91	0.73	-
Lead	N	mg/kg	1	355	615	-	886	614	-	269	175	-	471	237	-

Inorganics

Total Cyanide	N	mg/kg	1	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-
Hexavalent Chromium	N	mg/kg	5	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	<5.0	-
Fraction Organic Carbon	N	%	0.005	0.015	0.01	-	0.029	0.02	-	0.023	0.013	-	0.022	0.013	-
Sulphide	N	mg/kg	2	<2.0	<2.0	-	<2.0	<2.0	-	<2.0	<2.0	-	<2.0	<2.0	-
Water Soluble Boron	N	mg/kg	0.02	1.55	0.77	-	2.56	1.27	-	2.13	1.06	-	1.34	1.13	-

Miscellaneous

pH	N	pH Units	0.01	8.35	8.16	-	7.97	7.78	-	9.09	8.02	-	8.99	7.84	-
Water Soluble Sulphate (2:1)	N	mg/kg	40	225	68.8	-	60.0	193	-	192	371	-	541	543	-
Water Soluble Sulphate (2:1)	N	g/l	0.02	0.11	0.03	-	0.03	0.10	-	0.10	0.19	-	0.27	0.27	-
Water Soluble Sulphate (2:1)	N	mg/l	20	113	34.4	-	30.0	96.5	-	96.0	186	-	271	272	-

Analytical Report: 25-000508 issue 1

SML Ref	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744
Customer Ref	-	-	-	-	-	-	-	-	-	-	-	-
Sample ID	-	-	-	-	-	-	-	-	-	-	-	-
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Location	TP101	TP101	TP101	TP102	TP102	TP102	TP103	TP103	TP103	TP104	TP104	TP104
Sample Depth (m)	0.30	0.60	1.00	0.30	0.80	1.20	0.20	0.60	0.90	0.40	0.70	1.20
Sampling Date	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26

Determinant	Codes	Units	LOD
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Phenols

Phenol	N	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
M,P-Cresol	N	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
O-Cresol	N	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3,4-Dimethylphenol	N	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,3-Dimethylphenol	N	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Napthol	N	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,3,5-Trimethylphenol	N	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Monohydric Phenols	N	mg/kg	7	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0

Polyaromatic Hydrocarbons

Napthalene	N	mg/kg	0.02	1.46	<0.02	-	5.87	<0.02	-	<0.02	<0.02	-	<0.02	<0.02	-
Acenaphthylene	N	mg/kg	0.02	<0.02	<0.02	-	<0.02	<0.02	-	0.12	<0.02	-	<0.02	<0.02	-
Acenaphthene	N	mg/kg	0.02	0.13	<0.02	-	41.5	8.49	-	0.66	<0.02	-	0.82	<0.02	-
Fluorene	N	mg/kg	0.02	0.48	<0.02	-	39.1	8.00	-	0.53	<0.02	-	0.13	<0.02	-
Phenanthrene	N	mg/kg	0.02	9.54	2.03	-	86.6	47.8	-	15.0	1.26	-	16.4	7.50	-
Anthracene	N	mg/kg	0.02	1.49	0.53	-	67.3	21.9	-	5.32	0.03	-	5.95	1.44	-
Fluoranthene	N	mg/kg	0.02	8.44	5.45	-	190	80.9	-	29.1	3.46	-	47.7	15.5	-
Pyrene	N	mg/kg	0.02	8.47	5.03	-	260	75.4	-	24.8	2.88	-	42.9	13.3	-
Benzo(a)anthracene	N	mg/kg	0.02	5.71	3.94	-	251	70.8	-	34.8	5.45	-	55.4	19.4	-
Chrysene	N	mg/kg	0.02	5.67	3.30	-	296	61.8	-	24.4	3.04	-	43.7	13.2	-
Benzo(b)fluoranthene	N	mg/kg	0.02	7.00	6.24	-	388	78.1	-	54.5	8.26	-	90.9	32.0	-
Benzo(k)fluoranthene	N	mg/kg	0.02	4.12	2.97	-	341	42.0	-	24.4	2.98	-	41.4	12.6	-
Benzo(a)pyrene	N	mg/kg	0.02	9.67	7.86	-	430	107	-	68.0	8.70	-	109	37.8	-
Indeno(1,2,3-cd)pyrene	N	mg/kg	0.02	5.88	4.28	-	570	78.0	-	51.0	6.33	-	94.2	24.6	-
Dibenzo(a,h)anthracene	N	mg/kg	0.02	4.48	2.40	-	126	27.3	-	18.8	1.25	-	23.0	10.2	-
Benzo[g,h,i]perylene	N	mg/kg	0.02	4.66	3.99	-	257	49.5	-	35.2	4.69	-	55.6	19.6	-
Coronene	N	mg/kg	0.02	1.97	1.31	-	71.5	11.7	-	6.23	1.21	-	9.95	3.62	-
Total PAH(16)	N	mg/kg	0.32	79.2	49.3	-	3420	769	-	393	49.5	-	637	211	-

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SML Ref	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744
Customer Ref	-	-	-	-	-	-	-	-	-	-	-	-
Sample ID	-	-	-	-	-	-	-	-	-	-	-	-
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Location	TP101	TP101	TP101	TP102	TP102	TP102	TP103	TP103	TP103	TP104	TP104	TP104
Sample Depth (m)	0.30	0.60	1.00	0.30	0.80	1.20	0.20	0.60	0.90	0.40	0.70	1.20
Sampling Date	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26

Determinant	Codes	Units	LOD
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TPH CWG

TPH CWG - Aliphatic (>C5 - C7)	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH CWG - Aliphatic (C7 - C8)	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH CWG - Aliphatic (C8 - C10)	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	34.7	<0.05	<0.05	<0.05	0.45	<0.05	<0.05
TPH CWG - Aliphatic (C10 - C12)	N	mg/kg	2	<2.0	<2.0	5.28	175	<2.0	<2.0	<2.0	<2.0	6.64	<2.0	<2.0
TPH CWG - Aliphatic (C12 - C16)	N	mg/kg	2	2.76	3.54	47.0	829	15.8	5.47	2.11	29.5	2.34	44.7	4.21
TPH CWG - Aliphatic (C16 - C21)	N	mg/kg	10	11.5	11.4	66.9	1170	40.8	17.4	12.5	101	24.7	114	23.6
TPH CWG - Aliphatic (C21 - C35)	N	mg/kg	10	31.1	22.4	40.5	940	76.9	32.0	72.3	340	156	267	74.8
TPH CWG - Aliphatic (C35 - C40)	N	mg/kg	10	<10	<10	<10	69.7	10.4	<10	12.4	55.0	25.4	37.3	12.4
TPH CWG - Aromatic (>C5 - C7)	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH CWG - Aromatic (C7 - C8)	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH CWG - Aromatic (C8 - C10)	N	mg/kg	0.05	<0.05	0.19	0.09	2.00	0.50	0.51	1.56	0.78	0.38	0.77	0.91
TPH CWG - Aromatic (C10 - C12)	N	mg/kg	2	<2.0	2.94	<2.0	24.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
TPH CWG - Aromatic (C12 - C16)	N	mg/kg	2	<2.0	29	7.72	311	23.0	6.86	<2.0	4.43	<2.0	36.2	7.03
TPH CWG - Aromatic (C16 - C21)	N	mg/kg	10	<10	114	17.2	1100	145	47.6	18.5	60.3	21.0	288	76.6
TPH CWG - Aromatic (C21 - C35)	N	mg/kg	10	17.3	13.0	24.5	1820	311	188	58.9	371	102	760	235
TPH CWG - Aromatic (C35 - C40)	N	mg/kg	10	<10	110	<10	167	41.0	27.8	10.2	90.0	29.3	93.3	38.4
TPH CWG Total - Aliphatic (>C8-C40)	N	mg/kg	10	45.4	37.3	160	3218	144	54.9	99.3	526	208	470	115
TPH CWG Total - Aromatic (>C8-C40)	N	mg/kg	10	17	269	49.5	3425	521	271	89.2	527	153	1178	358

BTEX

Benzene	N	ug/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	N	ug/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	N	ug/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	16.1	<0.01	<0.01	<0.01
m&p Xylene	N	ug/kg	0.02	<0.02	<0.02	<0.02	<0.02	1.26	<0.02	<0.02	12.1	<0.02	<0.02	<0.02
o-Xylene	N	ug/kg	0.01	<0.01	11.0	<0.01	<0.01	<0.01	<0.01	<0.01	17.9	11.4	<0.01	<0.01
MTBE	N	ug/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total BTEX	N	ug/kg	0.07	<0.07	11.0	<0.07	<0.07	1.26	<0.07	<0.07	46.1	11.1	<0.07	<0.07

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SML Ref	2733	2734	2735	2736	2737	2738
Customer Ref	-	-	-	-	-	-
Sample ID	-	-	-	-	-	-
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil
Sample Location	TP101	TP101	TP101	TP102	TP102	TP102
Sample Depth (m)	0.30	0.60	1.00	0.30	0.80	1.20
Sampling Date	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26

Determinant	Codes	Units	LOD
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VOC

Pentane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(E)-1,2-Dichloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(Z)-1,2-Dichloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,2-Dichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromodichloromethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,1-Trichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Tetrachloride	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloro-1-propene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromomethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromochloromethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(Z)-1,3-Dichloro-1-propene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Octane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(E)-1,3-Dichloro-1-propene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2-Trichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tetrachloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromochloromethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromoethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,1,2-Tetrachloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nonane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Styrene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromoform	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cumene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2,2-Tetrachloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlorotoluene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlorotoluene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3,5-trimethylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
tert-Butylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-Trimethylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
sec-Butylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p-Cymene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,4-Dichlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
n-Butylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromo-3-chloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-Trichlorobenzene	N	µg/kg	0.01	<0.01	14.0	<0.01	<0.01	<0.01	<0.01
1,1,2,3,4,4-Hexachloro-1,3-Butadiene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichlorobenzene	N	µg/kg	0.01	<0.01	13.5	<0.01	13.5	15.0	<0.01

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SML Ref	2739	2740	2741	2742	2743	2744
Customer Ref	-	-	-	-	-	-
Sample ID	-	-	-	-	-	-
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil
Sample Location	TP103	TP103	TP103	TP104	TP104	TP104
Sample Depth (m)	0.20	0.60	0.90	0.40	0.70	1.20
Sampling Date	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26

Determinant	Codes	Units	LOD
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VOC

Pentane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(E)-1,2-Dichloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(Z)-1,2-Dichloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,2-Dichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromodichloromethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,1-Trichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Tetrachloride	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloro-1-propene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromomethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromochloromethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(Z)-1,3-Dichloro-1-propene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Octane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(E)-1,3-Dichloro-1-propene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2-Trichloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tetrachloroethylene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromochloromethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromoethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,1,2-Tetrachloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nonane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Styrene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromoform	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cumene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2,2-Tetrachloroethane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Chlorotoluene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4-Chlorotoluene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3,5-trimethylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
tert-Butylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-Trimethylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
sec-Butylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p-Cymene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,4-Dichlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichlorobenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
n-Butylbenzene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromo-3-chloropropane	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-Trichlorobenzene	N	µg/kg	0.01	<0.01	21.7	<0.01	<0.01	<0.01	<0.01
1,1,2,3,4,4-Hexachloro-1,3-Butadiene	N	µg/kg	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichlorobenzene	N	µg/kg	0.01	<0.01	29.7	<0.01	<0.01	<0.01	<0.01

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SML Ref	2733	2734	2735	2736	2737	2738
Customer Ref	-	-	-	-	-	-
Sample ID	-	-	-	-	-	-
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil
Sample Location	TP101	TP101	TP101	TP102	TP102	TP102
Sample Depth (m)	0.30	0.60	1.00	0.30	0.80	1.20
Sampling Date	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26

Determinant	Codes	Units	LOD
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SVOC

Aniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Chloroethyl) Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzyl Alcohol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Chloroisopropyl) Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Nitroso-Di-n-Propylamine	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachloroethane	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Isophorone	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Nitrophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-Dimethylphenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Chloroethoxy) Methane	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-Dichlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-Trichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
p-Chloroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,3,4,4-Hexachloro-1,3-Butadiene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Chloro-3-Methylphenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Methylnaphthalene	N	mg/kg	0.05	0.07	0.20	0.51	14.4	1.06	0.69
1-Methylnaphthalene	N	mg/kg	0.05	0.05	0.15	0.49	13.7	1.25	0.71
Hexachlorocyclopentadiene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,6-Trichlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,5-Trichlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chloronaphthalene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Nitroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dinitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dimethyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dinitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,6-Dinitrotoluene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dinitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
3-Nitroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-Dinitrophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Nitrophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	23.8	1.89	1.63
Dibenzofuran	N	mg/kg	0.05	<0.05	0.40	0.13	23.9	1.96	1.71
2,4-Dinitrotoluene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,3,5,6-Tetrachlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,3,4,6-Tetrachlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Diethyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Chlorophenylphenyl Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Nitroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Diphenylamine	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,6-Dinitro-2-Methylphenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Azobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Bromophenylphenyl Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pentachlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbazole	N	mg/kg	0.05	<0.05	0.10	<0.05	16.5	1.31	0.81
Dibutyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzyl Butyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Ethylhexyl) Adipate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Ethylhexyl) Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Di-n-Octyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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SML Ref	2739	2740	2741	2742	2743	2744
Customer Ref	-	-	-	-	-	-
Sample ID	-	-	-	-	-	-
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil
Sample Location	TP103	TP103	TP103	TP104	TP104	TP104
Sample Depth (m)	0.20	0.60	0.90	0.40	0.70	1.20
Sampling Date	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26	27/01/26

Determinant	Codes	Units	LOD
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SVOC

Aniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Chloroethyl) Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzyl Alcohol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Chloroisopropyl) Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Nitroso-Di-n-Propylamine	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachloroethane	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Isophorone	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Nitrophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-Dimethylphenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Chloroethoxy) Methane	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-Dichlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,4-Trichlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
p-Chloroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,3,4,4-Hexachloro-1,3-Butadiene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Chloro-3-Methylphenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Methylnaphthalene	N	mg/kg	0.05	<0.05	0.13	0.57	1.44	0.36	0.10
1-Methylnaphthalene	N	mg/kg	0.05	1.22	0.11	0.54	1.69	0.35	0.07
Hexachlorocyclopentadiene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,6-Trichlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,5-Trichlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chloronaphthalene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-Nitroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dinitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dimethyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dinitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,6-Dinitrotoluene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dinitrobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
3-Nitroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-Dinitrophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Nitrophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	2.11	<0.05	<0.05
Dibenzofuran	N	mg/kg	0.05	3.99	0.17	0.40	2.19	0.38	0.11
2,4-Dinitrotoluene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,3,5,6-Tetrachlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,3,4,6-Tetrachlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Diethyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Chlorophenylphenyl Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Nitroaniline	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Diphenylamine	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,6-Dinitro-2-Methylphenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Azobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-Bromophenylphenyl Ether	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pentachlorophenol	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbazole	N	mg/kg	0.05	<0.05	<0.05	0.38	2.77	0.36	0.16
Dibutyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzyl Butyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Ethylhexyl) Adipate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-Ethylhexyl) Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Di-n-Octyl Phthalate	N	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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WAC Analysis

SML Ref:		2734			Landfill WAC Limits*		
Sample Date:		27/01/2026			Inert Waste Landfill	Stable non- Reactive Hazardous Waste in non- Hazardous Landfill	Hazardous Waste Landfill
Sample ID:		TP101					
Depth (m):		0.60					
Site:		90 Carmoor Road					
Determinand	Code	Units					
Total Organic Carbon	N	%		1.0	3	5	6
Loss on Ignition	N	%		3.6	-	-	10
Total BTEX	N	mg/kg		<0.07	6	-	-
Total PCB (7 congeners)	N	mg/kg		<0.28	1	-	-
TPH Total WAC (EH_CU_1D_Total)	N	mg/kg		<10.0	500	-	-
pH	N	Units		8.35	-	>6	-
Acid Neutralisation Capacity	N	mol/kg		0.05	-	-	-
Eluate Analysis		10:01		10:01	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
		mg/l		mg/kg			
Arsenic	N	0.0062		0.062	0.5	2	25
Barium	N	0.0026		0.026	20	100	300
Cadmium	N	<0.0005		<0.005	0.04	1	5
Chromium	N	<0.0005		<0.005	0.5	10	70
Copper	N	0.0048		0.048	2	50	100
Mercury	N	<0.0001		<0.001	0.01	0.2	2
Molybdenum	N	0.0125		0.125	0.5	10	30
Nickel	N	<0.0005		<0.005	0.4	10	40
Lead	N	<0.0005		<0.005	0.5	10	50
Antimony	N	0.002		0.02	0.06	0.7	5
Selenium	N	<0.001		<0.01	0.1	0.5	7
Zinc	N	<0.0005		<0.005	4	50	200
Chloride	N	9.89		98.9	800	15000	25000
Fluoride	N	2.89		28.9	10	150	500
Sulphate	N	68.8		688	1000	20000	50000
Total Dissolved Solids	N	78.8		788	4000	60000	100000
Phenol Index	N	<0.1		<1.0	1	-	25
Dissolved Organic Carbon	N	12.5		125	500	800	1000

Results are expressed on a dry weight basis, after correction for moisture content where applicable.

*Stated limits are for guidance only, and not for conformity assessment.

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WAC Analysis

SML Ref:		2736				Landfill WAC Limits*		
Sample Date:		27/01/2026				Inert Waste Landfill	Stable non- Reactive Hazardous Waste in non- Hazardous Landfill	Hazardous Waste Landfill
Sample ID:		TP102						
Depth (m):		0.30						
Site:		90 Carmoor Road						
Determinand	Code	Units						
Total Organic Carbon	N	%		2.9	3	5	6	
Loss on Ignition	N	%		9.18	-	-	10	
Total BTEX	N	mg/kg		<0.07	6	-	-	
Total PCB (7 congeners)	N	mg/kg		<0.28	1	-	-	
TPH Total WAC (EH_CU_1D_Total)	N	mg/kg		1710	500	-	-	
pH	N	Units		7.97	-	>6	-	
Acid Neutralisation Capacity	N	mol/kg		0.05	-	-	-	
Eluate Analysis		10:01		10:01	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg			
		mg/l		mg/kg				
Arsenic	N	0.008		0.08	0.5	2	25	
Barium	N	0.0292		0.292	20	100	300	
Cadmium	N	<0.0005		<0.005	0.04	1	5	
Chromium	N	<0.0005		<0.005	0.5	10	70	
Copper	N	0.0093		0.093	2	50	100	
Mercury	N	<0.0001		<0.001	0.01	0.2	2	
Molybdenum	N	0.037		0.37	0.5	10	30	
Nickel	N	<0.0005		<0.005	0.4	10	40	
Lead	N	0.0057		0.057	0.5	10	50	
Antimony	N	0.013		0.13	0.06	0.7	5	
Selenium	N	<0.001		<0.01	0.1	0.5	7	
Zinc	N	0.0038		0.038	4	50	200	
Chloride	N	38.5		385	800	15000	25000	
Fluoride	N	4.38		43.8	10	150	500	
Sulphate	N	60.0		600	1000	20000	50000	
Total Dissolved Solids	N	120		1200	4000	60000	100000	
Phenol Index	N	<0.1		<1.0	1	-	25	
Dissolved Organic Carbon	N	13.4		134	500	800	1000	

Results are expressed on a dry weight basis, after correction for moisture content where applicable.

*Stated limits are for guidance only, and not for conformity assessment.

Analytical Report: 25-000508 issue 1

WAC Analysis

SML Ref:		2739				Landfill WAC Limits*		
Sample Date:		27/01/2026				Inert Waste Landfill	Stable non- Reactive Hazardous Waste in non- Hazardous Landfill	Hazardous Waste Landfill
Sample ID:		TP103						
Depth (m):		0.20						
Site:		90 Carmoor Road						
Determinand	Code	Units						
Total Organic Carbon	N	%		2.3	3	5	6	
Loss on Ignition	N	%		13.8	-	-	10	
Total BTEX	N	mg/kg		<0.07	6	-	-	
Total PCB (7 congeners)	N	mg/kg		<0.28	1	-	-	
TPH Total WAC (EH_CU_1D_Total)	N	mg/kg		25.3	500	-	-	
pH	N	Units		9.09	-	>6	-	
Acid Neutralisation Capacity	N	mol/kg		0.05	-	-	-	
Eluate Analysis		10:01		10:01	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg			
		mg/l		mg/kg				
Arsenic	N	0.0293		0.293	0.5	2	25	
Barium	N	0.0396		0.396	20	100	300	
Cadmium	N	<0.0005		<0.005	0.04	1	5	
Chromium	N	<0.0005		<0.005	0.5	10	70	
Copper	N	0.0082		0.082	2	50	100	
Mercury	N	<0.0001		<0.001	0.01	0.2	2	
Molybdenum	N	0.007		0.07	0.5	10	30	
Nickel	N	<0.0005		<0.005	0.4	10	40	
Lead	N	0.0026		0.026	0.5	10	50	
Antimony	N	0.0062		0.062	0.06	0.7	5	
Selenium	N	<0.0005		<0.005	0.1	0.5	7	
Zinc	N	0.005		0.05	4	50	200	
Chloride	N	72.4		724	800	15000	25000	
Fluoride	N	2.57		25.7	10	150	500	
Sulphate	N	193		1930	1000	20000	50000	
Total Dissolved Solids	N	111		1110	4000	60000	100000	
Phenol Index	N	<0.1		<1.0	1	-	25	
Dissolved Organic Carbon	N	8.54		85.4	500	800	1000	

Results are expressed on a dry weight basis, after correction for moisture content where applicable.

*Stated limits are for guidance only, and not for conformity assessment.

Analytical Report: 25-000508 issue 1

WAC Analysis

SML Ref:		2742				Landfill WAC Limits*		
Sample Date:		27/01/2026				Inert Waste Landfill	Stable non- Reactive Hazardous Waste in non- Hazardous Landfill	Hazardous Waste Landfill
Sample ID:		TP104						
Depth (m):		0.40						
Site:		90 Carmoor Road						
Determinand	Code	Units						
Total Organic Carbon	N	%		2.2	3	5	6	
Loss on Ignition	N	%		8.26	-	-	10	
Total BTEX	N	mg/kg		<0.07	6	-	-	
Total PCB (7 congeners)	N	mg/kg		<0.28	1	-	-	
TPH Total WAC (EH_CU_1D_Total)	N	mg/kg		174	500	-	-	
pH	N	Units		8.99	-	>6	-	
Acid Neutralisation Capacity	N	mol/kg		0.05	-	-	-	
Eluate Analysis		10:01		10:01	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg			
		mg/l		mg/kg				
Arsenic	N	0.0156		0.156	0.5	2	25	
Barium	N	0.016		0.16	20	100	300	
Cadmium	N	<0.0005		<0.005	0.04	1	5	
Chromium	N	0.0027		0.027	0.5	10	70	
Copper	N	0.0137		0.137	2	50	100	
Mercury	N	<0.0001		<0.001	0.01	0.2	2	
Molybdenum	N	0.0071		0.071	0.5	10	30	
Nickel	N	<0.0005		<0.005	0.4	10	40	
Lead	N	<0.0005		<0.005	0.5	10	50	
Antimony	N	0.0033		0.033	0.06	0.7	5	
Selenium	N	<0.0005		<0.005	0.1	0.5	7	
Zinc	N	<0.0005		<0.005	4	50	200	
Chloride	N	37.8		378	800	15000	25000	
Fluoride	N	2.60		26.0	10	150	500	
Sulphate	N	191		1910	1000	20000	50000	
Total Dissolved Solids	N	170		1700	4000	60000	100000	
Phenol Index	N	<0.1		<1.0	1	-	25	
Dissolved Organic Carbon	N	5.12		51.2	500	800	1000	

Results are expressed on a dry weight basis, after correction for moisture content where applicable.

*Stated limits are for guidance only, and not for conformity assessment.

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Asbestos Screening

SML Sample Reference	Client Reference	Depth (m)	Sample Matrix Description	Asbestos Identification	Gravimetric Analysis Total %	Gravimetric Analysis by ACM Type %	Free fibre Analysis %	Total Asbestos %
2733	TP101	0.30	Soil	NAD	N/T	N/T	N/T	N/T
2734	TP101	0.60	Soil	NAD	N/T	N/T	N/T	N/T
2735	TP101	1.00	Soil	NAD	N/T	N/T	N/T	N/T
2736	TP102	0.30	Soil	NAD	N/T	N/T	N/T	N/T
2737	TP102	0.80	Soil	NAD	N/T	N/T	N/T	N/T
2738	TP102	1.20	Soil	NAD	N/T	N/T	N/T	N/T
2739	TP103	0.20	Soil	NAD	N/T	N/T	N/T	N/T
2740	TP103	0.60	Soil	NAD	N/T	N/T	N/T	N/T
2741	TP103	0.90	Soil	NAD	N/T	N/T	N/T	N/T
2742	TP104	0.40	Soil	NAD	N/T	N/T	N/T	N/T
2743	TP104	0.70	Soil	NAD	N/T	N/T	N/T	N/T
2744	TP104	1.20	Soil	NAD	N/T	N/T	N/T	N/T

NAD - No Asbestos Detected

N/T - Not tested

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Method Summary

Soil					
Parameter	Codes	Undertaken On	Date Tested	Method Number	Technique
pH value	N	Air dried sample	02/02/26	105	Electrometric
Total Metals	N	Air dried sample	02/02/26	148	ICP-MS
Water Soluble Sulphate	N	Air dried sample	02/02/26	130	Ion Chromatography
Total Cyanide	N	As submitted sample	02/02/26	137	Colorimetric
Phenols	N	As submitted sample	02/02/26	111	HPLC
Asbestos ID	SU	Subcontracted	02/02/26	Subcontracted	Microscopy
Loss On Ignition	N	Air dried sample	02/02/26	115	Gravimetric
Acid Neutralisation Capacity	N	Air dried sample	02/02/26	150	Electrometric
Hexavalent Chromium	N	As submitted sample	02/02/26	103	Colorimetric
Sulphide	N	As submitted sample	02/02/26	117	Discrete Analyser
TOC	N	Air dried sample	03/02/26	139	Titration
Water Soluble Boron	N	Air dried sample	02/02/26	136	Discrete Analyser
Total (of 16) PAH	N	As submitted sample	02/02/26	116	GC-MS
TPH CWG	N	As submitted sample	02/02/26	128	HS-MS / GC-FID
Total BTEX / VOC	N	As submitted sample	02/02/26	134	HS-MS
SVOC	N	As submitted sample	02/02/26	159	GC-MS
PCB 7 Congeners	N	Air dried sample	02/02/26	110	GC-MS
Mineral Oil (EH_CU_1D-Total)	N	As submitted sample	02/02/26	128	GC-FID

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Key

Symbol	Description
U	Hold UKAS accreditation
M	Hold MCERTS accreditation
N	Not accredited
NS	Sample matrix not UKAS accredited
NM	Sample matrix not MCERTS accredited
SU	Subcontracted to a UKAS accredited laboratory
SM	Subcontracted to an MCERTS accredited laboratory
IS	Insufficient sample
US	Unsuitable sample
NT	Not tested
NAD	No asbestos detected
<	Less than
>	Greater than

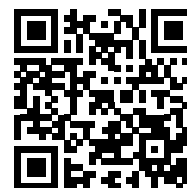
Soil samples are expressed on an air dried <30°C basis and are **not** corrected for inert material removed.

LOD refers to limit of detection, except in the case of pH where it refers to limit of discrimination.

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)



VCYOE-RRDKI-4Q7E8

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

LS9115

Description/Comments

Project

Carmoor Rd, Manchester

Site

Carmoor Rd, Manchester, M13 0FB

Classified by

Name: **Jos Middleton**
Date: **06 Feb 2026 11:44 GMT**
Telephone: **01444 712 870**
Company: **SML Laboratories**
Unit 10, 19 Albert Drive
Burgess Hill
RH15 9TN.

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

Carmoor Rd, Manchester, M13 0FB

Post Code M13 0FB

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Redevelopment

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

Excavations

Description of the waste

Made Ground

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP101	0.30	Hazardous	HP 14	3
2	TP101[2]	0.60	Hazardous	HP 14	6
3	TP102 (1)	0.30	Hazardous	HP 3(i), HP 7, HP 11	9
4	TP102[2]	0.80	Hazardous	HP 14	12
5	TP103	0.2	Non Hazardous		15
6	TP103 [2]	0.6	Hazardous	HP 3(i), HP 7, HP 11	18
7	TP104	0.4	Hazardous	HP 3(i), HP 7, HP 11	21
8	TP104[2]	0.7	Non Hazardous		24

Related documents

#	Name	Description
1	Land Science Template WM3 v1.2GB	waste stream template used to create this Job

Report

Created by: Jos Middleton

Created date: 06 Feb 2026 11:44 GMT

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

Classification of sample: TP101

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

Sample details

Sample name:	LoW Code:
TP101	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 m	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
18.6%	
(no correction)	

Hazard properties

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

Hazard Statements hit:

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

Because of determinands:

dicopper oxide; copper (I) oxide (compound conc.: 0.205%)
zinc oxide (compound conc.: 0.411%)

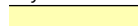
Determinands

Moisture content: **18.6% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				8.35	pH		8.35	pH	8.35 pH		
2	phenol				<7	mg/kg		<7	mg/kg	<0.0007 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
3	naphthalene				1.46	mg/kg		1.46	mg/kg	0.000146 %		
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				0.133	mg/kg		0.133	mg/kg	0.0000133 %		
		201-469-6	83-32-9									
6	fluorene				0.476	mg/kg		0.476	mg/kg	0.0000476 %		
		201-695-5	86-73-7									
7	phenanthrene				9.54	mg/kg		9.54	mg/kg	0.000954 %		
		201-581-5	85-01-8									
8	anthracene				1.49	mg/kg		1.49	mg/kg	0.000149 %		
		204-371-1	120-12-7									
9	fluoranthene				8.44	mg/kg		8.44	mg/kg	0.000844 %		
		205-912-4	206-44-0									
10	pyrene				8.47	mg/kg		8.47	mg/kg	0.000847 %		
		204-927-3	129-00-0									
11	benzo[a]anthracene				5.71	mg/kg		5.71	mg/kg	0.000571 %		
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				5.67	mg/kg		5.67	mg/kg	0.000567 %		
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				7	mg/kg		7	mg/kg	0.0007 %		
	601-034-00-4	205-911-9	205-99-2									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		4.12 mg/kg		4.12 mg/kg	0.000412 %		
15	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		9.67 mg/kg		9.67 mg/kg	0.000967 %		
16	indeno[123-cd]pyrene 205-893-2	193-39-5			5.88 mg/kg		5.88 mg/kg	0.000588 %		
17	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		4.48 mg/kg		4.48 mg/kg	0.000448 %		
18	benzo[ghi]perylene 205-883-8	191-24-2			4.66 mg/kg		4.66 mg/kg	0.000466 %		
19	coronene 205-881-7	191-07-1			1.97 mg/kg		1.97 mg/kg	0.000197 %		
20	arsenic { arsenic trioxide } 033-003-00-0	215-481-4	1327-53-3		10.7 mg/kg	1.32	14.127 mg/kg	0.00141 %		
21	barium { barium oxide } 215-127-9	1304-28-5			685 mg/kg	1.117	764.807 mg/kg	0.0765 %		
22	beryllium { beryllium oxide } 004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
23	boron { diboron trioxide } 005-008-00-8	215-125-8	1303-86-2		1.55 mg/kg	3.22	4.991 mg/kg	0.000499 %		
24	cadmium { cadmium oxide } 048-002-00-0	215-146-2	1306-19-0		16.7 mg/kg	1.142	19.077 mg/kg	0.00191 %		
25	chromium in Cr(VI) compounds { chromium(VI) oxide } 024-001-00-0	215-607-8	1333-82-0		<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %		<LOD
26	copper { dicopper oxide; copper (I) oxide } 029-002-00-X	215-270-7	1317-39-1		1820 mg/kg	1.126	2049.117 mg/kg	0.205 %		
27	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	355 mg/kg		355 mg/kg	0.0355 %		
28	mercury { mercury dichloride } 080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
29	nickel { nickel chromate } 028-035-00-7	238-766-5	14721-18-7		170 mg/kg	2.976	505.965 mg/kg	0.0506 %		
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
31	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8	215-239-8	1314-62-1		34.9 mg/kg	1.785	62.303 mg/kg	0.00623 %		
32	zinc { zinc oxide } 030-013-00-7	215-222-5	1314-13-2		3300 mg/kg	1.245	4107.556 mg/kg	0.411 %		
33	benzene 601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34	toluene 601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
35	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
36	TPH (C6 to C40) petroleum group TPH				62.66 mg/kg		62.66 mg/kg	0.00627 %		
37	dibenzofuran 205-071-3	132-64-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
38	carbazole 201-696-0	86-74-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.802 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: **1000 mg/kg (0.1%)** because: **No PIDs**

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00627%)

Classification of sample: TP101[2]

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

Sample details

Sample name:	LoW Code:
TP101[2]	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.60 m	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
11.7%	
(no correction)	

Hazard properties

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

Hazard Statements hit:

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

Because of determinands:

dicopper oxide; copper (I) oxide (compound conc.: 0.226%)

zinc oxide (compound conc.: 0.841%)

Determinands

Moisture content: **11.7%** No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH		PH		8.16 pH		8.16	pH	8.16 pH		
2	phenol	604-001-00-2	203-632-7	108-95-2	<7 mg/kg		<7	mg/kg	<0.0007 %		<LOD
3	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
4	acenaphthylene		205-917-1	208-96-8	<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
5	acenaphthene		201-469-6	83-32-9	<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
6	fluorene		201-695-5	86-73-7	<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
7	phenanthrene		201-581-5	85-01-8	2.03 mg/kg		2.03	mg/kg	0.000203 %		
8	anthracene		204-371-1	120-12-7	0.53 mg/kg		0.53	mg/kg	0.000053 %		
9	fluoranthene		205-912-4	206-44-0	5.45 mg/kg		5.45	mg/kg	0.000545 %		
10	pyrene		204-927-3	129-00-0	5.03 mg/kg		5.03	mg/kg	0.000503 %		
11	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	3.94 mg/kg		3.94	mg/kg	0.000394 %		
12	chrysene	601-048-00-0	205-923-4	218-01-9	3.3 mg/kg		3.3	mg/kg	0.00033 %		
13	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	6.24 mg/kg		6.24	mg/kg	0.000624 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzo[k]fluoranthene				2.97 mg/kg		2.97 mg/kg	0.000297 %		
	601-036-00-5	205-916-6	207-08-9							
15	benzo[a]pyrene; benzo[def]chrysene				7.86 mg/kg		7.86 mg/kg	0.000786 %		
	601-032-00-3	200-028-5	50-32-8							
16	indeno[123-cd]pyrene				4.28 mg/kg		4.28 mg/kg	0.000428 %		
		205-893-2	193-39-5							
17	dibenz[a,h]anthracene				2.4 mg/kg		2.4 mg/kg	0.00024 %		
	601-041-00-2	200-181-8	53-70-3							
18	benzo[ghi]perylene				3.99 mg/kg		3.99 mg/kg	0.000399 %		
		205-883-8	191-24-2							
19	coronene				1.31 mg/kg		1.31 mg/kg	0.000131 %		
		205-881-7	191-07-1							
20	arsenic { arsenic trioxide }				15.6 mg/kg	1.32	20.597 mg/kg	0.00206 %		
	033-003-00-0	215-481-4	1327-53-3							
21	barium { barium oxide }				767 mg/kg	1.117	856.36 mg/kg	0.0856 %		
		215-127-9	1304-28-5							
22	beryllium { beryllium oxide }				<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
	004-003-00-8	215-133-1	1304-56-9							
23	boron { diboron trioxide }				0.77 mg/kg	3.22	2.479 mg/kg	0.000248 %		
	005-008-00-8	215-125-8	1303-86-2							
24	cadmium { cadmium oxide }				42.7 mg/kg	1.142	48.777 mg/kg	0.00488 %		
	048-002-00-0	215-146-2	1306-19-0							
25	chromium in Cr(VI) compounds { chromium(VI) oxide }				<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
26	copper { dicopper oxide; copper (I) oxide }				2010 mg/kg	1.126	2263.036 mg/kg	0.226 %		
	029-002-00-X	215-270-7	1317-39-1							
27	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	615 mg/kg		615 mg/kg	0.0615 %		
	082-001-00-6									
28	mercury { mercury dichloride }				<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
29	nickel { nickel chromate }				231 mg/kg	2.976	687.517 mg/kg	0.0688 %		
	028-035-00-7	238-766-5	14721-18-7							
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
31	vanadium { divanadium pentaoxide; vanadium pentoxide }				61.1 mg/kg	1.785	109.075 mg/kg	0.0109 %		
	023-001-00-8	215-239-8	1314-62-1							
32	zinc { zinc oxide }				6760 mg/kg	1.245	8414.267 mg/kg	0.841 %		
	030-013-00-7	215-222-5	1314-13-2							
33	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
34	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
35	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				0.011 mg/kg		0.011 mg/kg	0.0000011 %		
	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]							
37	TPH (C6 to C40) petroleum group		TPH		306.473 mg/kg		306.473 mg/kg	0.0306 %		
38	polychlorobiphenyls; PCB				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
39	1,2,4-trimethylbenzene				0.014 mg/kg		0.014 mg/kg	0.0000014 %		
	601-043-00-3	202-436-9	95-63-6							

#	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							
40	• dibenzofuran	205-071-3	132-64-9		0.4 mg/kg		0.4 mg/kg	0.00004 %		
41	• carbazole	201-696-0	86-74-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
Total:								1.337 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: No PIDs

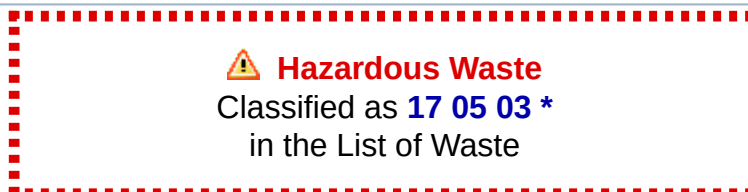
Hazard Statements hit:

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

Because of determinands:

o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4] (conc.: 1.1e-06%)
TPH (C6 to C40) petroleum group (conc.: 0.0306%)
1,2,4-trimethylbenzene (conc.: 1.4e-06%)

Classification of sample: TP102 (1)



Sample details

Sample name:	LoW Code:	
TP102 (1)	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.30 m		
Moisture content:		
16.6%		
(no correction)		

Hazard properties

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.664%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.664%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.664%)

Determinands

Moisture content: 16.6% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				7.97 pH		7.97 pH	7.97 pH		
2	phenol				<7 mg/kg		<7 mg/kg	<0.0007 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
3	naphthalene				5.87 mg/kg		5.87 mg/kg	0.000587 %		
	601-052-00-2	202-049-5	91-20-3							
4	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		205-917-1	208-96-8							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
5	acenaphthene	201-469-6	83-32-9		41.5 mg/kg		41.5 mg/kg	0.00415 %		
6	fluorene	201-695-5	86-73-7		39.1 mg/kg		39.1 mg/kg	0.00391 %		
7	phenanthrene	201-581-5	85-01-8		86.6 mg/kg		86.6 mg/kg	0.00866 %		
8	anthracene	204-371-1	120-12-7		67.3 mg/kg		67.3 mg/kg	0.00673 %		
9	fluoranthene	205-912-4	206-44-0		190 mg/kg		190 mg/kg	0.019 %		
10	pyrene	204-927-3	129-00-0		260 mg/kg		260 mg/kg	0.026 %		
11	benzo[a]anthracene	601-033-00-9	200-280-6		251 mg/kg		251 mg/kg	0.0251 %		
12	chrysene	601-048-00-0	205-923-4		296 mg/kg		296 mg/kg	0.0296 %		
13	benzo[b]fluoranthene	601-034-00-4	205-911-9		388 mg/kg		388 mg/kg	0.0388 %		
14	benzo[k]fluoranthene	601-036-00-5	205-916-6		341 mg/kg		341 mg/kg	0.0341 %		
15	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		430 mg/kg		430 mg/kg	0.043 %		
16	indeno[123-cd]pyrene	205-893-2	193-39-5		570 mg/kg		570 mg/kg	0.057 %		
17	dibenz[a,h]anthracene	601-041-00-2	200-181-8		126 mg/kg		126 mg/kg	0.0126 %		
18	benzo[ghi]perylene	205-883-8	191-24-2		257 mg/kg		257 mg/kg	0.0257 %		
19	coronene	205-881-7	191-07-1		71.5 mg/kg		71.5 mg/kg	0.00715 %		
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		7.43 mg/kg	1.32	9.81 mg/kg	0.000981 %		
21	barium { barium oxide }	215-127-9	1304-28-5		530 mg/kg	1.117	591.748 mg/kg	0.0592 %		
22	beryllium { beryllium oxide }	004-003-00-8	215-133-1		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
23	boron { diboron trioxide }	005-008-00-8	215-125-8		2.56 mg/kg	3.22	8.243 mg/kg	0.000824 %		
24	cadmium { cadmium oxide }	048-002-00-0	215-146-2		13.3 mg/kg	1.142	15.193 mg/kg	0.00152 %		
25	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %		<LOD
26	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		845 mg/kg	1.126	951.376 mg/kg	0.0951 %		
27	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6		1	886 mg/kg		886 mg/kg	0.0886 %		
28	mercury { mercury dichloride }	080-010-00-X	231-299-8		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
29	nickel { nickel chromate }	028-035-00-7	238-766-5		108 mg/kg	2.976	321.437 mg/kg	0.0321 %		
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
31	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8		86.1 mg/kg	1.785	153.704 mg/kg	0.0154 %		

#	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								
32	zinc { zinc oxide }				1950 mg/kg	1.245	2427.192 mg/kg	0.243 %			
	030-013-00-7	215-222-5	1314-13-2								
33	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
34	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
35	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
36	TPH (C6 to C40) petroleum group				6643 mg/kg		6643 mg/kg	0.664 %			
			TPH								
37	polychlorobiphenyls; PCB				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %			<LOD
	602-039-00-4	215-648-1	1336-36-3								
38	dibenzofuran				23.9 mg/kg		23.9 mg/kg	0.00239 %			
		205-071-3	132-64-9								
39	carbazole				16.5 mg/kg		16.5 mg/kg	0.00165 %			
		201-696-0	86-74-8								
Total:									1.547 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: No PIDs

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.664%)

Classification of sample: TP102[2]

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

Sample details

Sample name:	LoW Code:
TP102[2]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.80 m	
Moisture content:	
20.2%	
(no correction)	

Hazard properties

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

Hazard Statements hit:

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

Because of determinands:

dicopper oxide; copper (I) oxide (compound conc.: 0.231%)

zinc oxide (compound conc.: 0.627%)

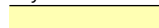
Determinands

Moisture content: **20.2%** No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH		PH		7.78 pH		7.78	pH	7.78 pH		
2	phenol	604-001-00-2	203-632-7	108-95-2	<7 mg/kg		<7	mg/kg	<0.0007 %		<LOD
3	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
4	acenaphthylene		205-917-1	208-96-8	<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
5	acenaphthene		201-469-6	83-32-9	8.49 mg/kg		8.49	mg/kg	0.000849 %		
6	fluorene		201-695-5	86-73-7	8 mg/kg		8	mg/kg	0.0008 %		
7	phenanthrene		201-581-5	85-01-8	47.8 mg/kg		47.8	mg/kg	0.00478 %		
8	anthracene		204-371-1	120-12-7	21.9 mg/kg		21.9	mg/kg	0.00219 %		
9	fluoranthene		205-912-4	206-44-0	80.9 mg/kg		80.9	mg/kg	0.00809 %		
10	pyrene		204-927-3	129-00-0	75.4 mg/kg		75.4	mg/kg	0.00754 %		
11	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	70.8 mg/kg		70.8	mg/kg	0.00708 %		
12	chrysene	601-048-00-0	205-923-4	218-01-9	61.8 mg/kg		61.8	mg/kg	0.00618 %		
13	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	78.1 mg/kg		78.1	mg/kg	0.00781 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
14	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		42 mg/kg		42 mg/kg	0.0042 %		
15	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		107 mg/kg		107 mg/kg	0.0107 %		
16	indeno[123-cd]pyrene 205-893-2	193-39-5			78 mg/kg		78 mg/kg	0.0078 %		
17	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		27.3 mg/kg		27.3 mg/kg	0.00273 %		
18	benzo[ghi]perylene 205-883-8	191-24-2			49.5 mg/kg		49.5 mg/kg	0.00495 %		
19	coronene 205-881-7	191-07-1			11.7 mg/kg		11.7 mg/kg	0.00117 %		
20	arsenic { arsenic trioxide } 033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %		
21	barium { barium oxide } 215-127-9	1304-28-5			752 mg/kg	1.117	839.612 mg/kg	0.084 %		
22	beryllium { beryllium oxide } 004-003-00-8	215-133-1	1304-56-9		0.61 mg/kg	2.775	1.693 mg/kg	0.000169 %		
23	boron { diboron trioxide } 005-008-00-8	215-125-8	1303-86-2		1.27 mg/kg	3.22	4.089 mg/kg	0.000409 %		
24	cadmium { cadmium oxide } 048-002-00-0	215-146-2	1306-19-0		13.4 mg/kg	1.142	15.307 mg/kg	0.00153 %		
25	chromium in Cr(VI) compounds { chromium(VI) oxide } 024-001-00-0	215-607-8	1333-82-0		<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %		<LOD
26	copper { dicopper oxide; copper (I) oxide } 029-002-00-X	215-270-7	1317-39-1		2050 mg/kg	1.126	2308.071 mg/kg	0.231 %		
27	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	614 mg/kg		614 mg/kg	0.0614 %		
28	mercury { mercury dichloride } 080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
29	nickel { nickel chromate } 028-035-00-7	238-766-5	14721-18-7		265 mg/kg	2.976	788.71 mg/kg	0.0789 %		
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
31	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8	215-239-8	1314-62-1		182 mg/kg	1.785	324.904 mg/kg	0.0325 %		
32	zinc { zinc oxide } 030-013-00-7	215-222-5	1314-13-2		5040 mg/kg	1.245	6273.358 mg/kg	0.627 %		
33	benzene 601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34	toluene 601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
35	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4] 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]		0.0012 mg/kg		0.0012 mg/kg	0.000000126 %		
37	TPH (C6 to C40) petroleum group TPH				664.4 mg/kg		664.4 mg/kg	0.0664 %		
38	dibenzofuran 205-071-3	132-64-9			1.96 mg/kg		1.96 mg/kg	0.000196 %		
39	carbazole 201-696-0	86-74-8			1.31 mg/kg		1.31 mg/kg	0.000131 %		
Total:								1.263 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: **1000 mg/kg (0.1%)** because: **No PIDs**

Hazard Statements hit:

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

Because of determinands:

o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4] (conc.: 1.26e-07%)

TPH (C6 to C40) petroleum group (conc.: 0.0664%)

Classification of sample: TP103

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

Sample details

Sample name:	LoW Code:
TP103	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.2 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15.6%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 15.6% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				9.09 pH		9.09 pH	9.09 pH		
2	phenol				<7 mg/kg		<7 mg/kg	<0.0007 %		<LOD
3	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
4	acenaphthylene				0.124 mg/kg		0.124 mg/kg	0.0000124 %		
5	acenaphthene				0.656 mg/kg		0.656 mg/kg	0.0000656 %		
6	fluorene				0.526 mg/kg		0.526 mg/kg	0.0000526 %		
7	phenanthrene				15 mg/kg		15 mg/kg	0.0015 %		
8	anthracene				5.32 mg/kg		5.32 mg/kg	0.000532 %		
9	fluoranthene				29.1 mg/kg		29.1 mg/kg	0.00291 %		
10	pyrene				24.8 mg/kg		24.8 mg/kg	0.00248 %		
11	benzo[a]anthracene				34.8 mg/kg		34.8 mg/kg	0.00348 %		
12	chrysene				24.4 mg/kg		24.4 mg/kg	0.00244 %		
13	benzo[b]fluoranthene				54.5 mg/kg		54.5 mg/kg	0.00545 %		
14	benzo[k]fluoranthene				24.4 mg/kg		24.4 mg/kg	0.00244 %		
15	benzo[a]pyrene; benzo[def]chrysene				68 mg/kg		68 mg/kg	0.0068 %		
16	indeno[123-cd]pyrene				51 mg/kg		51 mg/kg	0.0051 %		
17	dibenz[a,h]anthracene				18.8 mg/kg		18.8 mg/kg	0.00188 %		

#	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								
18	benzo[ghi]perylene	205-883-8	191-24-2		35.2 mg/kg		35.2 mg/kg	0.00352 %			
19	coronene	205-881-7	191-07-1		6.23 mg/kg		6.23 mg/kg	0.000623 %			
20	arsenic { arsenic trioxide }	033-003-00-0	1327-53-3		20 mg/kg	1.32	26.407 mg/kg	0.00264 %			
21	barium { barium oxide }	215-127-9	1304-28-5		244 mg/kg	1.117	272.427 mg/kg	0.0272 %			
22	beryllium { beryllium oxide }	004-003-00-8	1304-56-9		1.34 mg/kg	2.775	3.719 mg/kg	0.000372 %			
23	boron { diboron trioxide }	005-008-00-8	1303-86-2		2.13 mg/kg	3.22	6.858 mg/kg	0.000686 %			
24	cadmium { cadmium oxide }	048-002-00-0	1306-19-0		0.609 mg/kg	1.142	0.696 mg/kg	0.0000696 %			
25	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	1333-82-0		<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %			<LOD
26	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	1317-39-1		95.6 mg/kg	1.126	107.635 mg/kg	0.0108 %			
27	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6		1	269 mg/kg		269 mg/kg	0.0269 %			
28	mercury { mercury dichloride }	080-010-00-X	7487-94-7		2.54 mg/kg	1.353	3.438 mg/kg	0.000344 %			
29	nickel { nickel chromate }	028-035-00-7	14721-18-7		36.2 mg/kg	2.976	107.741 mg/kg	0.0108 %			
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
31	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	1314-62-1		29.3 mg/kg	1.785	52.306 mg/kg	0.00523 %			
32	zinc { zinc oxide }	030-013-00-7	1314-13-2		190 mg/kg	1.245	236.496 mg/kg	0.0236 %			
33	benzene	601-020-00-8	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
34	toluene	601-021-00-3	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
35	ethylbenzene	601-023-00-4	100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
36	TPH (C6 to C40) petroleum group		TPH		188.47 mg/kg		188.47 mg/kg	0.0188 %			
37	polychlorobiphenyls; PCB	602-039-00-4	1336-36-3		<0.28 mg/kg		<0.28 mg/kg	<0.000028 %			<LOD
38	dibenzofuran	205-071-3	132-64-9		3.99 mg/kg		3.99 mg/kg	0.000399 %			
39	carbazole	201-696-0	86-74-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
Total:									0.167 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: No PIDs

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0188%)

Classification of sample: TP103 [2]

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

Sample details

Sample name:	LoW Code:	
TP103 [2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.6 m		
Moisture content:		
14.5%		
(no correction)		

Hazard properties

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"

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

ethylbenzene (conc.: 0.00161%)

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

Because of determinands:

o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4] (conc.: 3.0e-06%)

TPH (C6 to C40) petroleum group (conc.: 0.105%)

1,2,4-trimethylbenzene (conc.: 2.7e-06%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.105%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.105%)

Determinands

Moisture content: **14.5% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH		PH		8.02 pH		8.02	pH	8.02 pH		

#	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								
2	phenol				<7 mg/kg		<7 mg/kg	<0.0007 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
3	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
4	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
5	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
6	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
7	phenanthrene				1.26 mg/kg		1.26 mg/kg	0.000126 %			
		201-581-5	85-01-8								
8	anthracene				0.0257 mg/kg		0.0257 mg/kg	0.00000257 %			
		204-371-1	120-12-7								
9	fluoranthene				3.46 mg/kg		3.46 mg/kg	0.000346 %			
		205-912-4	206-44-0								
10	pyrene				2.88 mg/kg		2.88 mg/kg	0.000288 %			
		204-927-3	129-00-0								
11	benzo[a]anthracene				5.45 mg/kg		5.45 mg/kg	0.000545 %			
	601-033-00-9	200-280-6	56-55-3								
12	chrysene				3.04 mg/kg		3.04 mg/kg	0.000304 %			
	601-048-00-0	205-923-4	218-01-9								
13	benzo[b]fluoranthene				8.26 mg/kg		8.26 mg/kg	0.000826 %			
	601-034-00-4	205-911-9	205-99-2								
14	benzo[k]fluoranthene				2.98 mg/kg		2.98 mg/kg	0.000298 %			
	601-036-00-5	205-916-6	207-08-9								
15	benzo[a]pyrene; benzo[def]chrysene				8.7 mg/kg		8.7 mg/kg	0.00087 %			
	601-032-00-3	200-028-5	50-32-8								
16	indeno[123-cd]pyrene				6.33 mg/kg		6.33 mg/kg	0.000633 %			
		205-893-2	193-39-5								
17	dibenz[a,h]anthracene				1.25 mg/kg		1.25 mg/kg	0.000125 %			
	601-041-00-2	200-181-8	53-70-3								
18	benzo[ghi]perylene				4.69 mg/kg		4.69 mg/kg	0.000469 %			
		205-883-8	191-24-2								
19	coronene				1.21 mg/kg		1.21 mg/kg	0.000121 %			
		205-881-7	191-07-1								
20	arsenic { arsenic trioxide }				15.7 mg/kg	1.32	20.729 mg/kg	0.00207 %			
	033-003-00-0	215-481-4	1327-53-3								
21	barium { barium oxide }				120 mg/kg	1.117	133.981 mg/kg	0.0134 %			
		215-127-9	1304-28-5								
22	beryllium { beryllium oxide }				0.813 mg/kg	2.775	2.256 mg/kg	0.000226 %			
	004-003-00-8	215-133-1	1304-56-9								
23	boron { diboron trioxide }				1.06 mg/kg	3.22	3.413 mg/kg	0.000341 %			
	005-008-00-8	215-125-8	1303-86-2								
24	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
25	chromium in Cr(VI) compounds { chromium(VI) oxide }				<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
26	copper { dicopper oxide; copper (I) oxide }				66.8 mg/kg	1.126	75.209 mg/kg	0.00752 %			
	029-002-00-X	215-270-7	1317-39-1								
27	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	175 mg/kg		175 mg/kg	0.0175 %			
	082-001-00-6										
28	mercury { mercury dichloride }				1.19 mg/kg	1.353	1.611 mg/kg	0.000161 %			
	080-010-00-X	231-299-8	7487-94-7								
29	nickel { nickel chromate }				24.1 mg/kg	2.976	71.728 mg/kg	0.00717 %			
	028-035-00-7	238-766-5	14721-18-7								

#	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							
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
31	vanadium { divanadium pentaoxide; vanadium pentoxide }				23.6 mg/kg	1.785	42.13 mg/kg	0.00421 %		
	023-001-00-8	215-239-8	1314-62-1							
32	zinc { zinc oxide }				104 mg/kg	1.245	129.45 mg/kg	0.0129 %		
	030-013-00-7	215-222-5	1314-13-2							
33	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
34	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
35	ethylbenzene				16.1 mg/kg		16.1 mg/kg	0.00161 %		
	601-023-00-4	202-849-4	100-41-4							
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				0.03 mg/kg		0.03 mg/kg	0.000003 %		
	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]							
37	TPH (C6 to C40) petroleum group				1052.009 mg/kg		1052.009 mg/kg	0.105 %		
			TPH							
38	1,2,4-trimethylbenzene				0.027 mg/kg		0.027 mg/kg	0.0000027 %		
	601-043-00-3	202-436-9	95-63-6							
39	dibenzofuran				0.17 mg/kg		0.17 mg/kg	0.000017 %		
		205-071-3	132-64-9							
40	carbazole				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-696-0	86-74-8							
Total:								0.177 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: No PIDs

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

ethylbenzene (conc.: 0.00161%)

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

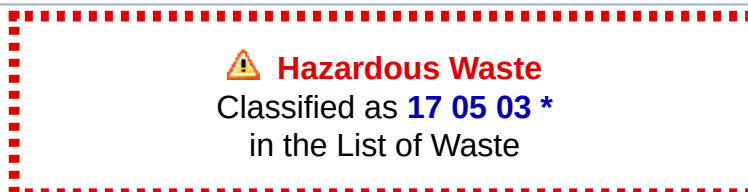
Because of determinands:

o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4] (conc.: 3.0e-06%)

TPH (C6 to C40) petroleum group (conc.: 0.105%)

1,2,4-trimethylbenzene (conc.: 2.7e-06%)

Classification of sample: TP104



Sample details

Sample name:	LoW Code:	
TP104	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.4 m		
Moisture content:		
10.8%		
(no correction)		

Hazard properties

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.165%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.165%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.165%)

Determinands

Moisture content: **10.8% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				8.99 pH		8.99 pH	8.99 pH		
2	phenol				<7 mg/kg		<7 mg/kg	<0.0007 %		<LOD
3	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
4	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
5	acenaphthene	201-469-6	83-32-9		0.821 mg/kg		0.821 mg/kg	0.0000821 %		
6	fluorene	201-695-5	86-73-7		0.132 mg/kg		0.132 mg/kg	0.0000132 %		
7	phenanthrene	201-581-5	85-01-8		16.4 mg/kg		16.4 mg/kg	0.00164 %		
8	anthracene	204-371-1	120-12-7		5.95 mg/kg		5.95 mg/kg	0.000595 %		
9	fluoranthene	205-912-4	206-44-0		47.7 mg/kg		47.7 mg/kg	0.00477 %		
10	pyrene	204-927-3	129-00-0		42.9 mg/kg		42.9 mg/kg	0.00429 %		
11	benzo[a]anthracene	601-033-00-9	200-280-6		55.4 mg/kg		55.4 mg/kg	0.00554 %		
12	chrysene	601-048-00-0	205-923-4		43.7 mg/kg		43.7 mg/kg	0.00437 %		
13	benzo[b]fluoranthene	601-034-00-4	205-911-9		90.9 mg/kg		90.9 mg/kg	0.00909 %		
14	benzo[k]fluoranthene	601-036-00-5	205-916-6		41.4 mg/kg		41.4 mg/kg	0.00414 %		
15	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		109 mg/kg		109 mg/kg	0.0109 %		
16	indeno[123-cd]pyrene	205-893-2	193-39-5		94.2 mg/kg		94.2 mg/kg	0.00942 %		
17	dibenz[a,h]anthracene	601-041-00-2	200-181-8		23 mg/kg		23 mg/kg	0.0023 %		
18	benzo[ghi]perylene	205-883-8	191-24-2		55.6 mg/kg		55.6 mg/kg	0.00556 %		
19	coronene	205-881-7	191-07-1		9.95 mg/kg		9.95 mg/kg	0.000995 %		
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		28.7 mg/kg	1.32	37.893 mg/kg	0.00379 %		
21	barium { barium oxide }	215-127-9	1304-28-5		381 mg/kg	1.117	425.389 mg/kg	0.0425 %		
22	beryllium { beryllium oxide }	004-003-00-8	215-133-1		1.39 mg/kg	2.775	3.858 mg/kg	0.000386 %		
23	boron { diboron trioxide }	005-008-00-8	215-125-8		1.34 mg/kg	3.22	4.315 mg/kg	0.000431 %		
24	cadmium { cadmium oxide }	048-002-00-0	215-146-2		1.97 mg/kg	1.142	2.25 mg/kg	0.000225 %		
25	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %		<LOD
26	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		125 mg/kg	1.126	140.736 mg/kg	0.0141 %		
27	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6		1	471 mg/kg		471 mg/kg	0.0471 %		
28	mercury { mercury dichloride }	080-010-00-X	231-299-8		0.909 mg/kg	1.353	1.23 mg/kg	0.000123 %		
29	nickel { nickel chromate }	028-035-00-7	238-766-5		30.9 mg/kg	2.976	91.967 mg/kg	0.0092 %		
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
31	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8		33.6 mg/kg	1.785	59.982 mg/kg	0.006 %		

#	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								
32	zinc { zinc oxide }				391 mg/kg	1.245	486.683 mg/kg	0.0487 %			
	030-013-00-7	215-222-5	1314-13-2								
33	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
34	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
35	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
36	TPH (C6 to C40) petroleum group				1648.359 mg/kg		1648.359 mg/kg	0.165 %			
			TPH								
37	polychlorobiphenyls; PCB				<0.28 mg/kg		<0.28 mg/kg	<0.000028 %			<LOD
	602-039-00-4	215-648-1	1336-36-3								
38	dibenzofuran				2.19 mg/kg		2.19 mg/kg	0.000219 %			
		205-071-3	132-64-9								
39	carbazole				2.77 mg/kg		2.77 mg/kg	0.000277 %			
		201-696-0	86-74-8								
Total:									0.402 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%) because: No PIDs

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.165%)

Classification of sample: TP104[2]

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

Sample details

Sample name:	LoW Code:
TP104[2]	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.7 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16.7%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 16.7% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		7.84 pH		7.84 pH	7.84 pH		
2	phenol				<7 mg/kg		<7 mg/kg	<0.0007 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
3	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
4	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		205-917-1	208-96-8							
5	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		201-469-6	83-32-9							
6	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		201-695-5	86-73-7							
7	phenanthrene				7.5 mg/kg		7.5 mg/kg	0.00075 %		
		201-581-5	85-01-8							
8	anthracene				1.44 mg/kg		1.44 mg/kg	0.000144 %		
		204-371-1	120-12-7							
9	fluoranthene				15.5 mg/kg		15.5 mg/kg	0.00155 %		
		205-912-4	206-44-0							
10	pyrene				13.3 mg/kg		13.3 mg/kg	0.00133 %		
		204-927-3	129-00-0							
11	benzo[a]anthracene				19.4 mg/kg		19.4 mg/kg	0.00194 %		
	601-033-00-9	200-280-6	56-55-3							
12	chrysene				13.2 mg/kg		13.2 mg/kg	0.00132 %		
	601-048-00-0	205-923-4	218-01-9							
13	benzo[b]fluoranthene				32 mg/kg		32 mg/kg	0.0032 %		
	601-034-00-4	205-911-9	205-99-2							
14	benzo[k]fluoranthene				12.6 mg/kg		12.6 mg/kg	0.00126 %		
	601-036-00-5	205-916-6	207-08-9							
15	benzo[a]pyrene; benzo[def]chrysene				37.8 mg/kg		37.8 mg/kg	0.00378 %		
	601-032-00-3	200-028-5	50-32-8							
16	indeno[123-cd]pyrene				24.6 mg/kg		24.6 mg/kg	0.00246 %		
		205-893-2	193-39-5							
17	dibenz[a,h]anthracene				10.2 mg/kg		10.2 mg/kg	0.00102 %		
	601-041-00-2	200-181-8	53-70-3							

#	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								
18	benzo[ghi]perylene	205-883-8	191-24-2		19.6 mg/kg		19.6 mg/kg	0.00196 %			
19	coronene	205-881-7	191-07-1		3.62 mg/kg		3.62 mg/kg	0.000362 %			
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		18.8 mg/kg	1.32	24.822 mg/kg	0.00248 %			
21	barium { barium oxide }	215-127-9	1304-28-5		298 mg/kg	1.117	332.719 mg/kg	0.0333 %			
22	beryllium { beryllium oxide }	004-003-00-8	215-133-1		1.19 mg/kg	2.775	3.303 mg/kg	0.00033 %			
23	boron { diboron trioxide }	005-008-00-8	215-125-8		1.13 mg/kg	3.22	3.638 mg/kg	0.000364 %			
24	cadmium { cadmium oxide }	048-002-00-0	215-146-2		0.814 mg/kg	1.142	0.93 mg/kg	0.000093 %			
25	chromium in Cr(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<5 mg/kg	1.923	<9.616 mg/kg	<0.000962 %			<LOD
26	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		91.3 mg/kg	1.126	102.794 mg/kg	0.0103 %			
27	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6		1	237 mg/kg		237 mg/kg	0.0237 %			
28	mercury { mercury dichloride }	080-010-00-X	231-299-8		0.725 mg/kg	1.353	0.981 mg/kg	0.0000981 %			
29	nickel { nickel chromate }	028-035-00-7	238-766-5		28.8 mg/kg	2.976	85.716 mg/kg	0.00857 %			
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
31	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8		29.7 mg/kg	1.785	53.02 mg/kg	0.0053 %			
32	zinc { zinc oxide }	030-013-00-7	215-222-5		189 mg/kg	1.245	235.251 mg/kg	0.0235 %			
33	benzene	601-020-00-8	200-753-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
34	toluene	601-021-00-3	203-625-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
35	ethylbenzene	601-023-00-4	202-849-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
36	TPH (C6 to C40) petroleum group		TPH		472.947 mg/kg		472.947 mg/kg	0.0473 %			
37	dibenzofuran	205-071-3	132-64-9		0.38 mg/kg		0.38 mg/kg	0.000038 %			
38	carbazole	201-696-0	86-74-8		0.36 mg/kg		0.36 mg/kg	0.000036 %			
Total:									0.176 %		

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 concentration of: 1000 mg/kg (0.1%)
because: No PIDs

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0473%)

Appendix A: Classifier defined and non GB MCL determinands

• pH (CAS Number: PH)

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

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

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

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

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

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

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

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

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2; H371

• **barium oxide** (EC Number: 215-127-9, CAS Number: 1304-28-5)

Description/Comments: Data from ECHA's C&L Inventory Database, Sigma Aldrich SDS dated 6/2/20

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/88825>

Data source date: 02 Apr 2020

Hazard Statements: Acute Tox. 3; H301 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 1; H332

• **lead compounds with the exception of those specified elsewhere in this Annex**

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

Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium

www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

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

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

• **dibenzofuran** (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

• **carbazole** (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

• **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

GB MCL index number: 602-039-00-4

Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

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

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

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

barium {barium oxide}

No Chrom 6

beryllium {beryllium oxide}

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

boron {diboron trioxide}

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

cadmium {cadmium oxide}

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

chromium in Cr(VI) compounds {chromium(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (edit as required)

copper {dicopper oxide; copper (I) oxide}

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

lead {lead compounds with the exception of those specified elsewhere in this Annex}

No Chrom 6

mercury {mercury dichloride}

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

nickel {nickel chromate}

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

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

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

vanadium {divanadium pentaoxide; vanadium pentoxide}

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

zinc {zinc oxide}

No Chrom 6

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2026.26.6955.12551 (26 Jan 2026)

HazWasteOnline Database: 2026.27.6959.12557 (27 Jan 2026)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

GB MCL List v3.0 - version 3.0 of 11th January 2024

GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024

GB MCL List v6.0 - version 6.0 of 15th February 2025

GB MCL List v7.0 - version 7.0 of 23rd September 2025