Hampshire Water Transfer and Water Recycling Project

6.2 Environmental Statement Vol II Appendix 11.2 Geotechnical and geo-environmental reports - 9 of 18 documents - Geotechnical and Geo-environmental Interpretative Report for Ground Investigation in Section L (Phase 2 and Phase 3B/3C) Addendum to Summary Report

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Figure 1.1	Section L (NE) Ground Investigation Locations with PSCs	27/11/2024	• Ground investigation locations added to figure.
Figure 1.2	Section L (SE) Ground Investigation Locations with PSCs	27/11/2024	• Ground investigation locations added to figure.

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1 Introduction and Objectives

This document has been updated at Deadline 1 to include Phase 3 ground investigation soil sampling results in Appendix D (sample ID '3L60' ground investigation locations). References to other Application documents have not been updated from the original submission. Please refer to the latest version of the Guide to the Application (Document reference 1.3, Volume 1) for the list of current versions of documents.

1.1 Background and Scheme Overview

Water for Life Hampshire (WfLH) is a programme being undertaken by Southern Water Services Limited (hereafter referred to as 'the Applicant') to address the sustainability objectives of reduced abstractions on Hampshire's two main rivers, the River Test and River Itchen, and ensuring a resilient water supply for the Applicant's customers during times of drought. The Hampshire Water Transfer and Water Recycling Project (HWTWRP) (hereafter referred to as the 'Proposed Development') is the Strategic Resource Option project being delivered as part of the WfLH programme (Southern Water, 2024).. An overview of the Proposed Development, at the time of this report production, is provided in the Applicant's HWTWRP Technical Document Technology Guide (Southern Water, 2024).

1.2 Terms of Reference

Strategic Solutions Partner (SSP) has been instructed the Applicant, as part of the Proposed Development, to produce a Geotechnical and Geo-environmental Interpretative Report for ground investigations (GI) completed to provide information for the construction of the proposed underground pipeline. Investigations are being undertaken within the boundaries of the Draft Order Limits (DoL) for the Development Consent Order (DCO) for this nationally significant infrastructure scheme. The Proposed Development has been divided into 12 Sections by the Applicant; these are referred to as Sections A to M (excluding I).

1.3 Ground Investigation Programme

The GI for the Proposed Development is being completed using a phased approach as shown in **Table 1.1**. This document reports the findings of the GI works completed during Phase 2 and Phase 3B/3C within Section L only.

Table 1.1: Ground investigation programme

GI Phase	Description
Phase 0	This, with Phases 1 and 3A, was completed between July 2022 and October 2023 by SOCOTEC for Clancy (Principal Contractor), and as specified by SSP (AECOM), primarily for the purpose of tunnel and shaft design (Sections B, C, D and M only) and comprised 11 boreholes.
Phase 1	This, with Phases 0 and 3A, was completed between July 2022 and October 2023 by SOCOTEC for Clancy (Principal Contractor), and as specified by SSP (AECOM), primarily for the purpose of tunnel and shaft design (Sections B, C, D, L and M only) and comprised 35 exploratory hole locations.
Phase 2	This is part of a wider phased GI conducted along the route between February 2023 and July 2023 by SOCOTEC for Clancy (Principal Contractor), and as specified by SSP, primarily for the purpose of investigating areas for non-pipeline infrastructure, trenchless crossings and potential sources of contamination (PSC).

GI Phase	Description
Phase 3A	This, with Phases 0 and 1, was completed between July 2022 and October 2023 by SOCOTEC for Clancy (Principal Contractor), and as specified by SSP (AECOM), primarily for the purpose of tunnel and shaft design (Sections B, C, D, L and M only) and comprised 14 exploratory hole locations.
Phase 3B/3C	This, with several Phase 2 GI locations was completed between May 2023 and May 2024 by SOCOTEC for Clancy (Principal Contractor), and as specified by SSP, primarily for the purpose of investigating areas for non-pipeline infrastructure, trenchless crossings, PSCs and the linear route.

1.4 Section L Ground Investigation Objectives

The Phase 2 & Phase 3B/3C Section L GI investigated the following:

- Areas of potential sources of contaminant (PSCs) deemed Moderate/Low or higher risk as identified within HWTWRP Geotechnical and Geo-Environmental Desk Study Version 4 (SSP, 2024).
- Geological conditions along the linear route to comply with Eurocode 7: Part 2 (BSI, 2007).
- Trenchless crossings beneath the Winchester Road (B3354), Bow Lake and the tributary of the River Itchen.

The Phase 2 and Phase 3B/3C Section L GI comprised the following:

- Six exploratory holes associated with proposed launch/reception locations at the proposed trenchless crossings beneath Winchester Road (B3354) (2L6007DR and 2L6008DR), Bow Lake (2L6009DR and 2L6010DR) and a tributary of the River Itchen (2L6011SR and 2L6012SR).
- Seven exploratory holes along the route to assess potential contamination from historical Crowd Hill Landfill and BGS Made Ground (PSCs 441 and 440) (2L6000TP, 2L6001TP, 2L6004TP, 2L6006TP, 2L6002SA, 2L6003SA and 2L6005SA).
- Three exploratory locations targeting an additional two PSCs, Infilled Land – Pond (PSC 200) (3L6101DS), and the second historical Crowd Hill Landfill location (PSC 472) (3L6106DS and 3L6107DS).
- Seventeen locations to prove the geology along the linear route to comply with Eurocode 7: Part 2 comprising 3L6013HP (also coincides with an embankment [PSC 527]), 3L6015HP, 3L6017HP, 3L6023HP, 3L6024HP, 3L6026HP, 3L6027HP, 3L6028HP, 3L6029HP, 3L6044HP, 3L6045HP, 3L6046HP, 3L6100HP, 3L6102HP, 3L6103HP, 3L6104HP and 3L6105HP.

The GI targeted identified PSCs with a risk rating of moderate/low or higher as identified within HWTWRP Geotechnical and Geo-Environmental Desk Study Version 4 (SSP, 2024). Several PSCs identified within a 50 m radius of the proposed DoL in Section L were not investigated during Phase 2 and Phase 3B/3C. It is expected that the contractor will further assess identified PSCs (where additional information is needed), and other, additional PSCs, identified during subsequent phases of the Proposed Development as part of their construction phase works, to understand and comply with contaminated land, health & safety, waste classification and any other relevant guidance.

1.5 Report Format

This report comprises both geotechnical and geo-environmental interpretation of data collated during the GI as outlined below:

Section 1 Introduction and report objectives.

Section 2 Description including the location and site description.

Section 3 Summary of the GI (SOCOTEC, 2023), (SOCOTEC, 2024).

Section 4 Ground model.

Section 5 GI results, data interpretation and geo-environmental risk assessment, and geo-environmental considerations for the outline proposed works.

Section 6 Development of the land contamination risk assessment model from the GI.

Section 7 Geotechnical testing and assessment including geotechnical summary tables and figures and design parameters.

Section 8 Geotechnical considerations including hazard and mitigation table, discussions on ground conditions, foundation design, excavations, groundwater control, flotation, trenchless construction and concrete aggressivity.

Section 9 Conclusions.

Section 10 Recommendations based on the results of the GI.

This report provides a summary of encountered ground conditions, existing GI results, and geotechnical and geo-environmental interpretation of analysis undertaken to inform on potential future structures and pipeline design, health and safety of construction and future ground workers (construction) and excavated materials (waste) management.

A land contamination risk assessment for other potential future receptors such as farmers/ farm workers/ members of the public accessing and working within the Proposed Development is outside the scope of this report. Further ground investigation and human health risk assessment may be required to determine the risk to these, and any other identified potential future receptors, particularly in regard to appropriate excavated materials management (e.g. proposed reuse of soils).

Assessment of the GI data collected across the other pipeline Sections is included in the separate relevant pipeline sectional reports which are collated in the HWTWRP Geotechnical and Geo-environmental Interpretative Summary report (Ref.710166-SWS-XX-XX-RP-GE-00100).

2 Section L Description

2.1 Location and Description

The Section L Proposed Development route is approximately 5.9 km in length, illustrated in the **Figures** section. The pipeline will be constructed using open-cut and trenchless techniques. The majority of the approximate 5.9 km length of Section L will be a ductile iron (DI) pipeline at 1200 mm diameter in open-cut trenches between 3 – 6 m below ground level (bgl) across arable fields and minor roads with trenchless construction, to between approximately 7.6 – 9 m bgl, across main roads including the B3354 south of Fishers Pond and watercourses such as Bow Lake (within 20 to 40 m of boreholes 2L6007DR to 2L6010DR inclusive). Temporary launch and reception shafts at the trenchless crossing locations will be excavated. Launch shaft dimensions will range between 9.0 m and 9.5 m diameter and reception shafts range between 5.0 m and 5.4 m diameter.

Section L starts approximately 90 m northwest of Mortimers Lane (at National Grid Reference (NGR) 451992E, 119542N), at an elevation of approximately 46 m Ordnance Datum (OD). The proposed pipeline then travels northwest / west across agricultural / arable fields and small watercourses in an open-cut trench.

Approximately 3.3 km from the start of the route (90 m northwest of Mortimers Lane), there is an historic Environment Agency designated landfill site (NGR 449095E, 120275N) at approximately 50 m OD (the highest elevation across Section L).

The proposed pipeline then progresses northwards, parallel to Winchester Road (B3354), under the B3354 as a trenchless construction trending northwest in line with the Bow Lake watercourse. Following the trenchless crossing, the pipeline is to be constructed in an open-cut trench across the agricultural field, to the south of Bow Lake, before another trenchless crossing beneath Bow Lake (NGR 448545E, 120769N) at approximately 23 m OD. The proposed pipeline progresses across fields from this point, as open-cut construction towards Bishopstoke Lane, and subsequently across fields where trenchless construction will take place beneath an un-named watercourse. Lastly, Section L pipeline progresses northwest via open-cut construction to Highbridge Road (B3335) (NGR 446903E, 121619N) at approximately 20 m OD, where Section M begins.

3 Phase 2 and Phase 3B/3C Ground Investigation

3.1 Rationale for Ground Investigation Locations

The rationale for the Phase 2 and Phase 3B/3C GI is presented in **Table 3.1**.

Table 3.1: Rationale for Locations in Section L

Hole ID	Rationale for GI Location [1]
Phase 3B/ 3C GI	
3L6013HP	To confirm the geology along the linear route. 3L6013HP also coincides with an embankment (PSC 527)
3L6100HP	
3L6015HP	
3L6101DS	Previously identified Potential Source of Contamination, Infilled Land – Pond, PSC 200 (subsequently not assessed due to pond still being present.)
3L6102HP	To confirm the geology along the linear route
3L6017HP	
3L6103HP	
3L6104HP	To confirm the geology along the linear route
3L6105HP	
3L6023HP	
3L6024HP	
3L6106DS	Potential Source of Contamination, Crowd Hill Landfill, second location, PSC 472.
3L6107DS	
3L6026HP	To confirm the geology along the linear route
3L6027HP	
3L6028HP	
3L6029HP	
Phase 2 GI	
2L6000TP	To investigate the historical Crowd Hill Landfill (PSC No. 441) and BGS Made Ground (PSC No. 440) mapped on-Site
2L6001TP	
2L6002SA	
2L6003SA	
2L6004TP	
2L6005SA	
2L6006TP	To investigate the historical Crowd Hill Landfill (PSC No. 441) approximately 40 m north and on-Site BGS Made Ground (PSC No. 440).
2L6007DR	To investigate proposed excavation areas for the trenchless crossing beneath Winchester Road.

Hole ID	Rationale for GI Location [1]
2L6008DR	
2L6009DR	To investigate proposed excavation areas for the trenchless crossing beneath Bow Lake watercourse
2L6010DR	
3L6044HP	To confirm the geology along the linear route
3L6045HP	
3L6046HP	
2L6011SR 2L6012SR	To investigate proposed excavation areas for the trenchless crossing beneath a small watercourse in the northern part of Section L approximately 280 m northwest of Bishopstoke Lane.

[1] PSCs within a 50m buffer of the Section L route were identified by the desk study which warranted further investigation (SSP, 2023C).

Within Section L, some locations were cancelled due to land access permissions; this affected 3L6041HP, 3L6042HP and 3L6043HP, locations originally supplied to the GI Contractor to investigate prior to GI commencing.

BH501 was drilled along with TP501, TP502 and TP503, excavated within 20 m of Section L route for tunnelling purposes in Phase 1 GI for the Applicant, as specified by AECOM. The locations provide ground and groundwater conditions to the west of Brambridge. The geology and geotechnical results for the upper 20 m (out of 45.15 m) from BH501, and from the accompanying trial pits, is incorporated into this report as additional information.

3.2 Section L Ground Investigation

GI was carried out for Phase 2 at selected locations across Section L of the proposed route by SOCOTEC between 21st February 2023 to 22nd June 2023. The GI scope was specified by SSP (SSP, 2022).

A GI was carried out for Phase 3B/3C at selected locations across Section L of the proposed route by SOCOTEC between 2nd May 2023 to 14th May 2024. The GI scope was specified by SSP (SSP, 2023c) (SSP, 2023d).

The following exploratory holes and non-intrusive surveys were completed:

Phase 1 GI

- Three trial pits (TP501, TP502, TP503) were excavated to between 1.4 m bgl and 4 m bgl.
- One borehole, BH501, was completed using cable percussion and extended by rotary core drilling to 45.15 m bgl.

Phase 2 GI

- Four trial pits 2L6000TP, 2L6001TP, 2L6004TP and 2L6006TP were excavated to between 1.4 m bgl and 4 m bgl.
- Three boreholes (2L6002SA, 2L6003SA and 2L6005SA) were completed using cable percussion to between 10.00 m bgl and 15.95 m bgl.
- Two boreholes (2L6011SR and 2L6012SR within Phase 2) were completed using cable percussion methods and extended by rotary core drilling to 20 m bgl.

- Four boreholes (2L6007DR, 2L6008DR, 2L6009DR and 2L6010DR) were completed using dynamic sampling and extended by rotary core drilling to between 20.00 m bgl and 20.10 m bgl.

Phase 3B/3C GI:

- Seventeen hand excavated inspection pits (3L6013HP, 3L6015HP, 3L6017HP, 3L6023HP, 3L6024HP, 3L6026HP, 3L6027HP, 3L6028HP, 3L6029HP, 3L6044HP, 3L6045HP, 3L6046HP, 3L6100HP, 3L6102HP, 3L6103HP, 3L6104HP and 3L6105HP) were completed to between 0.20 m bgl and 1.20 m bgl.
- Three boreholes (3L6101DS, 3L6106Ds and 3L6107DS) were completed using dynamic sampling to 6.45 m bgl
- Electrical resistivity testing at nine locations (3L6017HP, 3L6023HP, 3L6024HP, 3L6026HP, 3L6028HP, 3L6029HP 3L6102HP, 3L6100HP and 3L6105HP).

A plan showing the exploratory hole locations is presented in the **Figures** section. The scope of the investigation included in-situ geotechnical tests, volatile headspace testing by a Photo Ionisation Detector (PID), geotechnical and geo-environmental sampling, and groundwater and gas monitoring.

The details of the GI, tests and laboratory analysis are presented in the SOCOTEC Ground Investigation Final Factual report (SOCOTEC, 2023) (SOCOTEC, 2024). A description of GI locations is shown in **Table 3.2**.

Table 3.2: Description of GI Locations

GI Locations	National Grid Reference [1]	Location
3L6013HP	451839, 119626	Located within an agricultural field, approximately 180 m northwest, of Mortimer Lane B3037.
3L6100HP	451758, 119684	Located in an agricultural field, approximately 215 m southwest of Winchester Road (B2177).
3L6015HP	451686, 119820	Located in an agricultural field, approximately 145 m southwest of Winchester Road.
3L6101DS	451626, 119889	Located in an agricultural field, approximately 160 m southwest of Winchester Road.
3L6102HP	451447, 119935	Located in an agricultural field, directly west of Stroudwood Lane.
3L6017HP	451380, 119966	Located in an agricultural field, approximately 65 m west of Stroudwood Lane.
3L6103HP	451146, 120062	Located in an agricultural field, adjacent to a wind break tree line, approximately 325 m west of Stroudwood Lane.
3L6104HP	450910, 120165	Located in an agricultural field, adjacent to a wind break tree line, approximately 480 m east of an unnamed farm road and Lowhill Farm buildings.
3L6105HP	450658, 120174	Located in an agricultural field, approximately 240 m east of an unnamed farm road and Lowhill Farm buildings, and approximately 540 m south of Portsmouth Road B2177.
3L6023HP	450441, 120206	Located in an agricultural field, approximately 15 m east of an unnamed farm road and northwest of Lowhill Farm buildings.
3L6024HP, A & B	450204, 120254	Located in an agricultural field, approximately 150 northwest of Lowhill Farm buildings.

GI Locations	National Grid Reference [1]	Location
3L6106DS	449956, 120300	Located in an agricultural field, approximately between 640 m – 680 m southwest of Portsmouth Road B2177.
3L6107DS	449884, 120321	
3L6026HP	449686, 120424	Located in an agricultural field, approximately 530 m south of Portsmouth Road B2177. Approximately 250 m southeast of Bow Lake.
3L6027HP	449517, 120487	Located in an agricultural field, approximately 430 m south of Portsmouth Road B2177. Approximately 112 m south of Bow Lake.
3L6028HP	449321, 120415	Located in an agricultural field, approximately 440 m east of Winchester Road B3354. Approximately 190 m southwest of Bow Lake.
3L6029HP	449075, 120344	Located in an agricultural field to the north of a residential property, 180 m east of Winchester Road B3354.
Phase 2 GI		
2L6000TP	449000, 120372	Located all in the same agricultural field and horse paddock within the footprint of a historical landfill (PSC No. 441 - Crowd Hill Landfill) and BGS Made Ground (PSC No. 440), approximately 100 m – 110 m east of Winchester Road B3354, approximately 170 m – 250 m south of linear watercourse Bow Lake and approximately 50 – 70 m west from a woodland
2L6001TP	448999, 120392	Located all in the same agricultural field and horse paddock within the footprint of a historical landfill (PSC No. 441 - Crowd Hill Landfill) and BGS Made Ground (PSC No. 440), approximately 100 m – 110 m east of Winchester Road B3354, approximately 170 m – 250 m south of linear watercourse Bow Lake and approximately 50 – 70 m west from a woodland.
2L6002SA	448996, 120402	Located all in the same agricultural field and horse paddock within the footprint of a historical landfill (PSC No. 441 - Crowd Hill Landfill) and BGS Made Ground (PSC No. 440), approximately 100 m – 110 m east of Winchester Road B3354, approximately 170 m – 250 m south of linear watercourse Bow Lake and approximately 50 – 70 m west from a woodland
2L6003SA	448993, 120423	Located all in the same agricultural field and horse paddock within the footprint of a historical landfill (PSC No. 441 - Crowd Hill Landfill) and BGS Made Ground (PSC No. 440), approximately 100 m – 110 m east of Winchester Road B3354, approximately 170 m – 250 m south of linear watercourse Bow Lake and approximately 50 – 70 m west from a woodland
2L6004TP	448981, 120451	Located all in the same agricultural field and horse paddock within the footprint of a historical landfill (PSC No. 441 - Crowd Hill Landfill) and BGS Made Ground (PSC No. 440), approximately 100 m – 110 m east of Winchester Road B3354, approximately 170 m – 250 m south of linear watercourse Bow Lake and approximately 50 – 70 m west from a woodland
2L6005SA	448973, 120473	Located all in the same agricultural field and horse paddock within the footprint of a historical landfill (PSC No. 441 - Crowd Hill Landfill)

GI Locations	National Grid Reference [1]	Location
		and BGS Made Ground (PSC No. 440), approximately 100 m – 110 m east of Winchester Road B3354, approximately 170 m – 250 m south of linear watercourse Bow Lake and approximately 50 – 70 m west from a woodland
2L6006TP	448959, 120507	Located approximately 35 m northwest of the six locations 2L6000TP – 2L60004TP, and 2L6002SA and 2L6005SA within an agricultural field, approximately 140 m south of linear watercourse Bow Lake and approximately 90 m east of Winchester Road B3354.
2L6007DR	448878, 120643	Trenchless crossing borehole paired with 2L6008DR located approximately 40m south of linear watercourse Bow Lake and approximately 30 m east of Winchester Road B3354 within an arable field.
2L6008DR	448809, 120646	Trenchless crossing borehole paired with 2L6007DR located approximately 40 m south of linear watercourse Bow Lake and approximately 30 m west of Winchester Road B3354 within an arable field.
2L6009DR	448545, 120745	Trenchless crossing borehole paired with 2L6010DR located approximately 20 m south of linear watercourse Bow Lake and approximately 270 m west of Winchester Road B3354 within the same arable field as 2L6008DR.
2L6010DR	448545, 120795	Trenchless crossing borehole paired with 2L6009DR located approximately 25 m north of linear watercourse Bow Lake and approximately 270 m west of Winchester Road B3354.
3L6044HP	447653, 121187	Located in an agricultural field 175 m east of Bishopstoke Lane.
3L6045HP	447383, 121332	Located in an agricultural field 35 m west of Bishopstoke Lane.
3L6046HP	447344, 121392	Located in an agricultural field 170 m west of Bishopstoke Lane.
2L6011SR	447176, 121476	Trenchless crossing borehole paired with 2L6012SR located approximately 30 m southeast of a small watercourse and approximately 30 m northeast of a woodland within a rectangular shaped arable field approximately 280 m northwest of Bishopstoke Lane.
2L6012SR	447131, 121517	Trenchless crossing borehole paired with 2L6011SR approximately 30 m northwest of a small watercourse and approximately 30 m north of a woodland. It is located within an agricultural field approximately 240 m southeast of Highbridge Road B3335.

[1] Coordinates provided from SOCOTEC (SOCOTEC, 2023) (SOCOTEC, 2024).

3.3 Exploratory Holes and Monitoring Well Installations

The exploratory hole locations and logs are presented in SOCOTEC's Ground Investigation Final Factual reports (SOCOTEC, 2023) (SOCOTEC, 2024).

Table 3.3 provides a summary of the locations and installation response zones. Groundwater and gas monitoring wells were installed in all boreholes along Section L. Data loggers were installed within two borehole locations and at depths as stated below:

- 2L6009DR 3.00 m bgl
- 2L6011SR 4.00 m bgl

Table 3.3: Summary of Groundwater and Ground Gas Monitoring

BH ID	Dual Installation	Response Zones (m bgl)	Groundwater monitoring visits	Gas Monitoring	Groundwater Sample (m bgl)
BH501	Yes	Shallow installation: 1.10 – 2.10 (River Terrace Deposits) Deep installation: Vibrating Wire Piezometer is below depth of interest	6 No. 14/06/23, 13/07/23, 24/08/23, 08/09/23, 07/02/24, 4/04/24	Not Applicable, only groundwater monitoring in shallow installation	None
2L6002SA	No	1.00 – 5.00 (London Clay Formation)	7 No. 20/04/23, 12/05/23, 25/05/23, 19/06/23, 18/07/23, 15/08/23, 13/09/23	7 No. 20/04/23, 12/05/23, 24/05/23, 19/06/23, 18/07/23, 15/08/23, 13/09/23	12/05/23: 3.29 20/07/23: 6.10 16/09/23: 5.90
2L6003SA	No	1.00 – 7.00 (London Clay Formation)	6 No. 20/04/23, 12/05/23, 24/05/23, 19/06/23, 15/08/23, 13/09/23	6 No. 20/04/23, 12/05/23, 24/05/23, 19/06/23, 15/08/23, 13/09/23	12/05/23: 4.02 20/07/23: 6.40 16/09/23: 5.80
2L6005SA	No	1.00 – 6.00 (London Clay Formation)	7 No. 20/04/23, 11/05/23, 25/05/23, 19/06/23, 18/07/23, 15/08/23, 13/09/23	7 No. 20/04/23, 12/05/23, 24/05/23, 19/06/23 18/07/23, 15/08/23, 13/09/23	11/05/23: 3.34 18/07/23: 6.70 16/09/23: 5.00
2L6007DR	No	7.70 – 8.00 (London Clay Formation)	10 No. 26/04/23, 24/05/23, 20/06/23, 20/07/23, 17/08/23, 13/09/23,	Gas Monitoring not undertaken – only groundwater monitoring required.	17/08/2023: 5.02

BH ID	Dual Installation	Response Zones (m bgl)	Groundwater monitoring visits	Gas Monitoring	Groundwater Sample (m bgl)
			11/10/23, 14/11/23, 9/02/24, 7/04/24		
2L6008DR	Yes	1.00 – 2.50 (Alluvium into Head Deposits) 8.50 – 9.00 (London Clay Formation)	12 No. Deep: 24/05/23, 20/06/23, 20/07/23, 16/08/23, 17/08/23, 13/09/23, 11/10/23, 14/11/23, 12/12/23, 9/02/24, 7/03/24, 4/04/24 13 No. Shallow: 18/04/2023, 10/05/23, 24/05/23, 20/06/23, 20/07/23, 16/08/23, 13/09/23, 11/10/23, 14/11/23, 9/01/24, 9/02/24, 7/03/24, 4/04/24	12 No. Shallow: 10/05/23, 24/05/23, 20/06/23, 20/07/23, 16/08/23, 13/09/23, 11/10/23, 14/11/23, 9/01/24, 9/02/24, 7/03/24, 4/04/24 2 No. Deep: 20/06/23, 12/12/23	Shallow: 10/05/23: 1.64 19/09/23: 2.20 Deep: 16/08/23 5.07 09/01/24: 6.31
2L6009DR	Yes	1.00 – 4.00 (Alluvium into London Clay Formation) 8.70 – 9.00 (London Clay Formation)	14 No. Shallow: 18/04/23, 10/05/23, 24/05/23, 19/06/23, 20/07/23, 16/08/23, 14/09/23, 11/10/23, 14/11/23, 12/12/23, 9/01/24, 9/02/24, 7/03/24, 4/04/24 15 No. Deep: 18/04/23, 20/06/23, 20/07/23, 16/08/23, 14/09/23, 11/10/23, 14/11/23, 12/12/23, 9/01/24, 9/02/24, 7/03/24, 4/04/24	14 No. Shallow: 18/04/23, 10/05/23, 24/05/23, 19/06/23, 20/07/23, 16/08/23, 14/09/23, 11/10/23, 14/11/23, 12/12/23, 9/01/24, 9/02/24, 7/03/24, 2/04/24	Shallow: 10/05/23: 2.52 19/09/23: 3.50 4/04/24: 3.30 Deep: 17/08/23: 5.41 14/09/23: 3.50 9/01/24: 4.17
2L6010DR	No	1.00 – 6.00 (River Terrace Deposits into London Clay)	14 No. 20/04/23, 10/05/23, 24/05/23, 20/06/23, 20/07/23, 16/08/23, 14/09/23, 11/10/23, 14/11/23, 12/12/23, 9/01/24, 9/02/24, 7/03/24, 4/04/24	14 No. 18/04/23, 10/05/23, 24/05/23, 20/06/23, 20/07/23, 16/08/23, 14/09/23, 10/10/23, 14/11/23, 12/12/23, 9/01/24, 9/02/24, 7/03/24, 4/04/24	10/05/23: 3.89 20/07/23: 3.44 14/09/23: 4.00 04/04/24: 3.33
2L6011SR	Yes	1.00 – 5.00	14 No.	2 No.	Shallow: 04/05/23: 4.86

BH ID	Dual Installation	Response Zones (m bgl)	Groundwater monitoring visits	Gas Monitoring	Groundwater Sample (m bgl)
		(River Terrace deposits into London Clay Formation) 9.50 – 11.00 (London Clay Formation)	Shallow: 26/04/23, 03/05/23, 04/05/23, 25/05/23, 20/06/23, 19/07/23, 16/08/23, 14/09/23, 12/10/23, 14/11/23, 12/12/23, 11/01/24, 9/02/24, 7/03/24 10 No. Deep: 26/04/23, 25/05/23, 20/06/23, 19/07/23, 16/08/23, 14/09/23, 12/10/23, 14/11/23, 12/12/23, 7/03/24	Shallow: 26/04/23, 4/05/23 8 No. Deep: 26/04/23, 25/05/23, 20/06/23, 19/07/23, 16/08/23, 14/09/23, 12/10/23, 14/11/23, 12/12/23, 11/01/24, 9/02/24, 7/03/24	11/01/24: 4.68 Deep: 14/09/23: 5.00
2L6012SR	No	1.00 – 8.00 River terrace Deposits into London Clay Formation)	8 No. 03/05/23, 25/05/23, 20/06/23, 18/07/23, 16/08/23, 14/09/23, 10/10/23, 7/03/24	7 No. 21/04/23, 25/05/23, 20/06/23, 18/07/23, 16/08/23, 14/09/23, 10/10/23, 7/03/24	03/05/23: 0.60 18/07/23: 5.00 19/01/24: 4.00
3L6106DS	No	1.00 – 6.00	5 No. 16/05/24, 29/05/24, 19/06/24, 03/07/24, 16/07/24	6 No. 16/05/24, 29/05/24, 19/06/24, 03/07/24, 16/07/24, 29/07/24	29/05/24 – 0.60 3/07/24 – 0.72 16/07/24 – 0.77

3.4 Geo-Environmental Testing

Geo-environmental laboratory testing was scheduled, by SSP, on selected soil and groundwater samples recovered during the ground investigation works. The testing was carried out by SOCOTEC at their UKAS accredited environmental chemistry laboratory at Bretby, near Burton-on-Trent, in accordance with MCERTS accreditation (where applicable) test methods as stated within the laboratory test reports. In addition, sampling from 2L6005SA (0.05 m bgl – 1.00 m bgl) was sub-contracted out to The Testing Lab (TTL) PLC, and sampling from 2L6011SR (0.1 m bgl and 0.5 m bgl) were sub-contracted out to IOM laboratory for asbestos testing only.

The scope of testing is outlined in **Appendix D** and shows that several requested chemical analyses were not included in either AGS format or Final Factual GI report (SOCOTEC, 2023) (SOCOTEC, 2024). This data is still outstanding at the time of report production and, if received, it is recommended that this report is updated. Any data provided after issue of this report should be provided to the Contractor for them to complete further assessment.

3.5 Geotechnical Testing

Geotechnical testing was scheduled by SSP on selected soil samples recovered during the GI works. The testing was carried out by nominated UKAS-accredited geotechnical laboratories including: GEOLABS, near Watford, The Testing Lab (TTL) near Doncaster, and Derwentside Environmental Testing Services Ltd (DETS) near Durham. Depending on the samples available, the testing comprised a combination of moisture content,

Atterberg limits, density (linear), particle size distribution, saturation moisture content (chalk), unconfined compressive strength, point load index testing, unconsolidated undrained triaxial, compaction, chalk crushing value, chalk carbonate content, BRE testing, organic matter content and loss on ignition, as required. The tests completed are presented in the SOCOTEC final factual report (SOCOTEC, 2023) (SOCOTEC, 2024).

4 Ground Model

4.1 Geological Setting

Section L is underlain by Alluvium and Head Deposits surrounding the trenchless crossings, Bow Lake and small watercourses south of Fishers Pond, with River Terrace Deposits southwest of Brambridge near Lord's Wood. Mapped superficial deposits are summarised in **Table 4.1.**

Table 4.1: Summary of mapped superficial deposits at ground level

Chainages	Geology	Typical Description
29925 - 32400	No present	-
32400 - 32555	Alluvium	Clay, silt and sand, locally organic; with gravel
32555 - 32800	Not present	-
32800 – 32865	Alluvium	Clay, silt and sand, locally organic; with gravel
32865 - 33485	Not present	-
33485 - 34030	Alluvium	Clay, silt and sand, locally organic; with gravel
34030 - 35325	Not present	-
35325 - 35900	River Terrace Deposits	Undifferentiated sand and gravel

The chainages have been provided by the Applicant as of 12 March 2024 as part of the Summer 2024 Design Consultation Route.

Across Section L, London Clay Formation is the main underlying bedrock strata and is outcropping at surface. It thickens to the south. Geological mapping to the north of Section L suggests that Lambeth Group strata is encountered (described in the desk study as Reading Formation). Though not shown as a separate stratum on geological maps of this area, there may also be a thin layer of Harwich Formation (approximately 0.3 – 2.8 m thick) underlying London Clay Formation (above Reading Formation). Mapped bedrock is summarised in **Table 4.2.**

Table 4.2: Summary of mapped bedrock

Chainages	Geology	Typical Description
29925 - 35900	London Clay Formation	Grey and brown silty and sandy clays with sandy and pebbly beds

The chainages have been provided by the Applicant as of 12 March 2024 as part of the Summer 2024 Design Consultation Route.

These strata will be expanded upon within **Table 4.3, 4.4, 4.5** and **4.6** summarising the ground conditions encountered in Section L and also further shown within the factual report produced by SOCOTEC (SOCOTEC, 2023) (SOCOTEC, 2024).

4.2 Section L Ground Investigation Results

4.2.1 Encountered Ground

A brief summary of the ground conditions encountered during the ground investigation is provided in **Table 4.1 to 4.6**. Exploratory hole logs are presented in SOCOTEC's Ground Investigation Report (SOCOTEC, 2023) (SOCOTEC, 2024) to provide more details. The encountered ground corresponds with the Proposed Development desk study, in parts, as both London Clay Formation, possible Harwich Formation (described as red flint gravel in the desk study), and the Reading Formation (part of Lambeth Group described in the desk study) are present.

Table 4.3: Summary of Encountered Ground Conditions for Section L Exploratory Holes

Exploratory Hole ID		3L6013HP	3L6015HP	3L6017HP	3L6023HP	3L6024HP-B[1]	3L6026HP	3L6027HP	3L6028HP	3L6029HP	3L6044HP
Ground Level (m OD)		+45.90	+40.99	+44.13	+39.53	+36.96	+30.64	+30.29	+35.43	+48.78	+28.98
Chainage		30043	30315	30700	31690	31935	32500	32720	32935	33200	35005
Strata	Typical Description	Depth range (m bgl)									
Topsoil	Soft brown sandy gravelly CLAY / SILT with rootlets. Sand is medium.	0.0 - 0.15	0.0 – 0.35	0.0 – 0.30	0.0 – 0.30	0.0 – 0.10	0.0 – 0.35	-	0.0 – 0.25	0.0 – 0.10	0.0 – 0.14
Made Ground	Soft brown sandy gravelly CLAY with roots. Sand is fine. Gravel is subangular to subrounded fine brick and chert.	-	-	-	-	-	-	0.0 – 0.32	-	-	-
London Clay Formation	Soft locally very soft sandy gravelly silty CLAY. Sand is fine. Gravel is subangular to subrounded fine to coarse chert..	-	0.35 – 1.20	0.30 – 0.60	0.30 – 1.20	0.10 – 0.40	-	0.32 – 1.20	0.25 – 1.20	0.10 – 1.20	0.14 – 0.90
	Firm to stiff greyish brown mottled orange silty sandy CLAY. Sand is medium. Occasional fissures.	0.15 – 1.20	-	0.60 – 1.20	-	0.40 – 1.20	0.35 – 1.20	-	-	-	0.90 – 1.20
End of Hole (m bgl)		**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**

[1]3L6024HP and 3L6024HP-A terminated due to ingress of water at 0.20m.

Table 4.4: Summary of Encountered Ground Conditions for Section L Exploratory Holes

Exploratory Hole ID		3L6045HP	3L6046HP	3L6100HP	3L6101DS	3L6102HP	3L6103HP	3L6104HP	3L6105HP	3L6106DS	3L6107DS
Ground Level (m OD)		+32.58	+37.41	+56.94	+41.06	+43.62	+43.19	+43.32	+41.06	+36.87	+36.00
Chainage		35340	35420	30145	30415	30620	30950	31210	31465	32190	32265
Strata	Typical Description	Depth range (m bgl)									
Topsoil	Very soft to soft brownish grey sandy gravelly CLAY/SILT with rootlets.	-	-	0.0 – 0.40	0.0 – 0.29	0.0 - 0.30	0.0 – 0.30	0.0 – 0.25	0.0 – 0.30	-	-
Made Ground	Brown gravelly clayey SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse of chert and brick.	0.0 – 0.40	0.0 – 0.43	-	-	-	-	-	-	-	-
	Soft brown sandy gravelly CLAY wit rootlets. Sand is fine to medium. Gravel is subangular to rounded fine chert and brick.	-	-	-	-	-	-	-	-	0.0 – 0.35	0.0 – 0.30
River Terrace Deposits	Soft orangish brown sandy CLAY. Sand is fine.	-	0.43 – 0.95	-	-						-
	Yellowish brown sandy clayey GRAVEL. Sand is fine. Gravel is subangular to subrounded fine to coarse chert.	-	0.95 – 1.20	-	-	-	-	-	-	-	-
London Clay Formation	Soft brown mottled orange sandy gravelly SILT. Gravel is subangular to subrounded fine to medium chert.	-	-	-	-	-	0.30 – 0.80	0.25 – 0.90	-	-	-
	Soft to firm orangish brown sandy gravelly CLAY. Sand is fine. Gravel is subangular to subrounded fine to coarse chert.	0.40 – 1.20		0.40 – 1.20	0.29 – 2.00	0.30 - 1.20	0.80 – 1.20	0.90 – 1.20	0.30 – 1.20	-	-
	Firm to stiff greyish brown mottled orange sandy CLAY. Sand is coarse. Occasional gypsum.	-	-	-	-	-	-	-	-	0.35 – 6.45	-
Lambeth Group	Stiff to very stiff locally firm red or grey locally bluish grey sandy CLAY. Sand is fine to coarse. Occasional shell fragments.	-	-	-	2.00 – 6.45	-	-	-	-	-	0.35 – 6.45
End of Hole (m bgl)		**1.20**	**1.20**	**1.20**	**6.45**	**1.20**	**1.20**	**1.20**	**1.20**	**6.45**	**6.45**

Table 4.5: Summary of Encountered Ground Conditions for Section L Exploratory Holes

Exploratory Hole ID		2L6000TP	2L6001TP	2L6002SA	2L6003SA	2L6004TP	2L6005SA	2L6006TP	2L6007DR	2L6008DR	2L6009DR	2L6010DR	2L6011SR	2L6012SR
Ground Level (m OD)		+44.65	+43.35	+42.75	+41.27	+37.58	+35.54	+30.34	+25.02	+25.02	+23.12	+23.58	+21.35	+20.66
Chainage		33280	33300	33310	33330	33360	33380	333420	33570	33650	33935	33985	35595	35655
Strata	Typical Description	Depth range (m bgl)												
Topsoil	Grass over dark brown slightly gravelly sandy clay	-	0.00 - 0.15	-	0.00 – 0.15	-	-	-	0.00 - 0.20	0.00 – 0.30		0.00 – 0.40	0.00 – 0.50	0.00 - 0.15
Made Ground **	Soft very gravelly slightly sandy CLAY. Gravel is of glass, burnt wood, brick, concrete, plastic, charcoal, chalk, chert. At 2L6002SA and 2L6005SA, possible asbestos containing materials were noted.	0.00 – 0.15	-	0.00 - 0.25	-	0.00-0.30	0.00 – 1.00	0.00 – 0.30	-	-	0.00 – 0.40	-	-	-
Alluvium	Soft mottled brown, grey, locally black with organic material slightly fine sandy gravelly CLAY. Gravel of chert. Locally with partings of silt. Locally with beds of Gravel.	-	-	-	-	-	-	-	0.20 – 2.00	0.30 – 1.80	0.40 – 2.55	0.40 – 3.90	-	-
River Terrace Deposits	Dense brownish black slightly sandy clayey GRAVEL / Soft to firm very gravelly CLAY with medium cobble content	-	-	-	-	-	-	-	-	-	-	-	0.50 – 2.20	0.15 – 2.40
Head deposits	Soft locally firm orangish brown sandy very gravelly CLAY.	-	-	-	-	0.30 – 1.80	1.00 – 2.40	0.30 – 1.40	-	1.80 – 2.75		-	-	-
London Clay Formation	Firm to stiff laminated locally fissured brownish grey locally sandy CLAY locally with shell fragments and silt/sand lenses. At 2L6011SR only, very stiff from 4.00 – 12.40 m bgl	0.15 – 4.00	0.15 – 4.00	0.25 – 15.00	0.15 – 15.00	1.80 – 4.00	2.40 – 10.00	1.40 – 4.00	2.00 – 17.85	2.75 – 15.80	2.55 – 20.00	3.90 – 17.80	2.20 – 12.40	2.40 – 15.35
London Clay Formation	Medium strong to strong dark brown CLAYSTONE	-	-	-	9.45 – 9.50	-	-	-	6.80 – 6.85 8.45 – 8.55	4.20 – 4.70 9.05 – 9.20	10.05 – 10.35 (Occasional claystone fragments also noted from 8.30 – 11.50)	7.45 – 7.70 15.60 – 15.70	4.80 – 4.86 5.14 – 5.30	-
Possible Harwich Formation	Stiff grey sandy CLAY with frequent pockets of green and black glauconitic locally micaceous sand / At 2L6012SR Medium dense to dense bluish grey slightly micaceous SAND.	-	-	-	-	-	-	-	-	15.80 – 18.65	-	-	12.40 – 14.40	15.35 – 15.60
Lambeth Group	Stiff to very stiff bluish grey mottled yellowish brown and multicoloured locally sandy CLAY. At 2L6011SR from 16.10 – 17.10 m and 2L6012SR from 16.15 – 16.60 m: Bluish grey and speckled black fine and medium SAND with occasional pockets of decomposed organic material (30 mm x 15 mm) and lignitic with increasing depth At 2L6011SR from 17.10 – 18.60 m, locally cemented medium spaced strong to very strong nodules/concretions typical of Lower Mottled Clay subdivision (60 mmx100 mm)	-	-	-	-	-	-	-	17.85 – 20.00	18.65 – 20.10	-	17.80 – 20.00*	14.40 – 20.00	15.60 – 20.00
End of Hole (m bgl)		**4.00**	**4.00**	**15.00**	**15.00**	**4.00**	**10.00**	**4.00**	**20.00**	**20.10**	**20.00**	**20.00**	**20.00**	**20.00**

**Lab testing recorded positive results for asbestos fragments including insulating board and chrysotile / amosite free fibres in soil sample D2 within borehole 2L6005SA from 0.05 m to 1.00 m bgl (+35.49 m OD to +34.49 m OD). The asbestos results for 2L6005SA were taken from two samples - a bulk bag (B4) at 0.05-0.3m giving the 1.2083% results and also a disturbed sample (D2) at 0.05-1.00m which gave the 0.501% asbestos insulating board (AIB) (comprising chrysotile and amosite) result. At 2L6002SA the borehole log noted possible asbestos containing material (ACM) and possible asbestos fragments between ground level (42.75 m OD) and 0.20 m bgl (42.55 m OD); samples were collected and sent for testing and there was no detectable asbestos yielded. This information is also discussed within sections 4.2.3, 5.1.1, 5.1.2, 6.2, 9.2, 10.2 and Appendix I1.0

Table 4.6: Summary of Encountered Ground Conditions for Section L Exploratory Holes (Phase 1 Ground Investigation)

Exploratory Hole ID		*BH501	TP501	TP502	TP503
Ground Level (m OD)		+20.94	+21.06	+21.04	+20.97
Chainage		35715	35720	35710	35715
Strata	Typical Description	Depth Range (m bgl)			
Topsoil	Grass over dark brown slightly gravelly sandy clay/silt	0.00 – 0.40	-	0.00 – 0.25	0.00 – 0.25
Made Ground	Grass over soft to firm sandy gravelly SILT with occasional gravel sized angular fragments of concrete and brick with abundant rootlets.	-	0.00 – 0.25	-	-
River Terrace Deposits	Medium dense sandy GRAVEL with occasional to abundant cobbles of flint / At TP502 (0.25 – 0.60m) and TP503 (0.25 – 0.45m), soft to firm gravely sandy CLAY with rootlets and occasional cobbles of flint.	0.4 – 3.50	0.25 – 1.50	0.25 – 1.60	0.25 – 1.40
London Clay Formation	Stiff to very stiff dark bluish grey and brown slightly sandy CLAY.	3.5 – 17.25	-	-	-
*Lambeth Group and White Chalk Subgroup	From 17.25 – 20.75m, Very stiff dark brownish grey sandy silty CLAY with rare lignite fragments (possible Lambeth Group) From 20.75 – 41.50m, Very stiff fissured multicoloured CLAY – Lambeth Group. From 41.50 – 42.05m, stiff multi-coloured sandy gravelly CLAY with rinded flint – Lambeth Group Upnor Formation – Mottled From 42.05 – 45.15m, weak low to medium density white CHALK.	17.25 – 45.15	-	-	-
End of Hole (m bgl)		**45.15**	**1.50**	**1.60**	**1.40**

***** BH501 completed in Phase 1 in Section L, is relevant to this GIR, it was sunk to 45.15 m deep, but only the top 33 m is considered relevant to the proposed route as this is the approximate base of the trenchless construction .For the trenchless crossing boreholes 2L6007DR, 2L6008DR, 2L6009DR, 2L6010DR, 2L6011SR and 2L6012SR, the top 20 m is considered relevant as the proposed trenchless construction is between 7.6 – 8.99 m bgl.

4.2.2 Groundwater Levels

Groundwater and ground gas monitoring took place in selected boreholes specified by SSP. Monitoring was carried out by SOCOTEC during and after the main fieldwork period. A summary of groundwater and ground gas monitoring, ground water installations groundwater strikes and groundwater spot monitoring data at monitoring well locations is provided in **Table 4.7.**

Table 4.7: Summary of Groundwater Strikes and Spot Monitoring Records

Exploratory Hole	Response zone (m bgl)	Strike During Drilling – Depth, m bgl and (Elevation, m OD)	Stratum Within Which Strike Was Recorded	Spot Monitoring – Depth, m bgl and (Elevation, m OD)	Data Logger – Minimum/ Maximum Depth, m bgl (m OD)
BH501	1.10 – 2.00	Dry	-	1.86 (19.08) - 2.00 (18.94)	Not installed
2L6002SA	1.00 – 5.00	Dry	-	0.56 (42.19) – 2.18 (40.57)	Not Installed
2L6003SA	1.00 – 7.00	Dry	-	1.00 (40.27) – 2.00 (39.27)	Not Installed
2L6005SA	1.00 – 6.00	Dry	-	0.65 (34.89) – 1.56 (33.98)	Not Installed
2L6006TP	None	Slow seepage at 2.4 (27.94)	London Clay Formation	Not Applicable	Not Installed
2L6007DR	7.70 – 8.00	Dry	-	0.00 (25.02)	Not Installed
2L6008DR	1.00 – 2.50 8.50 – 9.00	1.00 (24.02)	Alluvium	Shallow installation 0.18 (24.84) - 1.24 (23.78) Deep installation 0.00 (25.02) – 0.06 (24.96)	Not Installed
2L6009DR	1.0 – 4.00 8.70 – 9.00	0.60 (22.52) dropping to 0.64 (22.56)	Alluvium	Shallow installation 0.20 (22.92) - 0.91 (22.33) Deep installation 0.00 (23.12) – 0.34 (22.78)	Installed in 50mm pipe (shallow installation) depths ranged from 0.06 (20.46) to 2.67 (23.05)
2L6010DR	1.00 – 6.00	0.58 (23.00)	Alluvium	0.10 (23.48) – 0.94 (22.80)	Not Installed
2L6011SR	1.0 – 5.00 9.50 – 11.00	Dry	-	Shallow installation 0.00 (21.35) – 2.14 (19.21) Deep installation 0.00 (21.35) – 1.01 (20.34)	Installed in 50mm pipe (shallow installation depths ranged from 0.55 (20.8) to 3.77 (17.58)

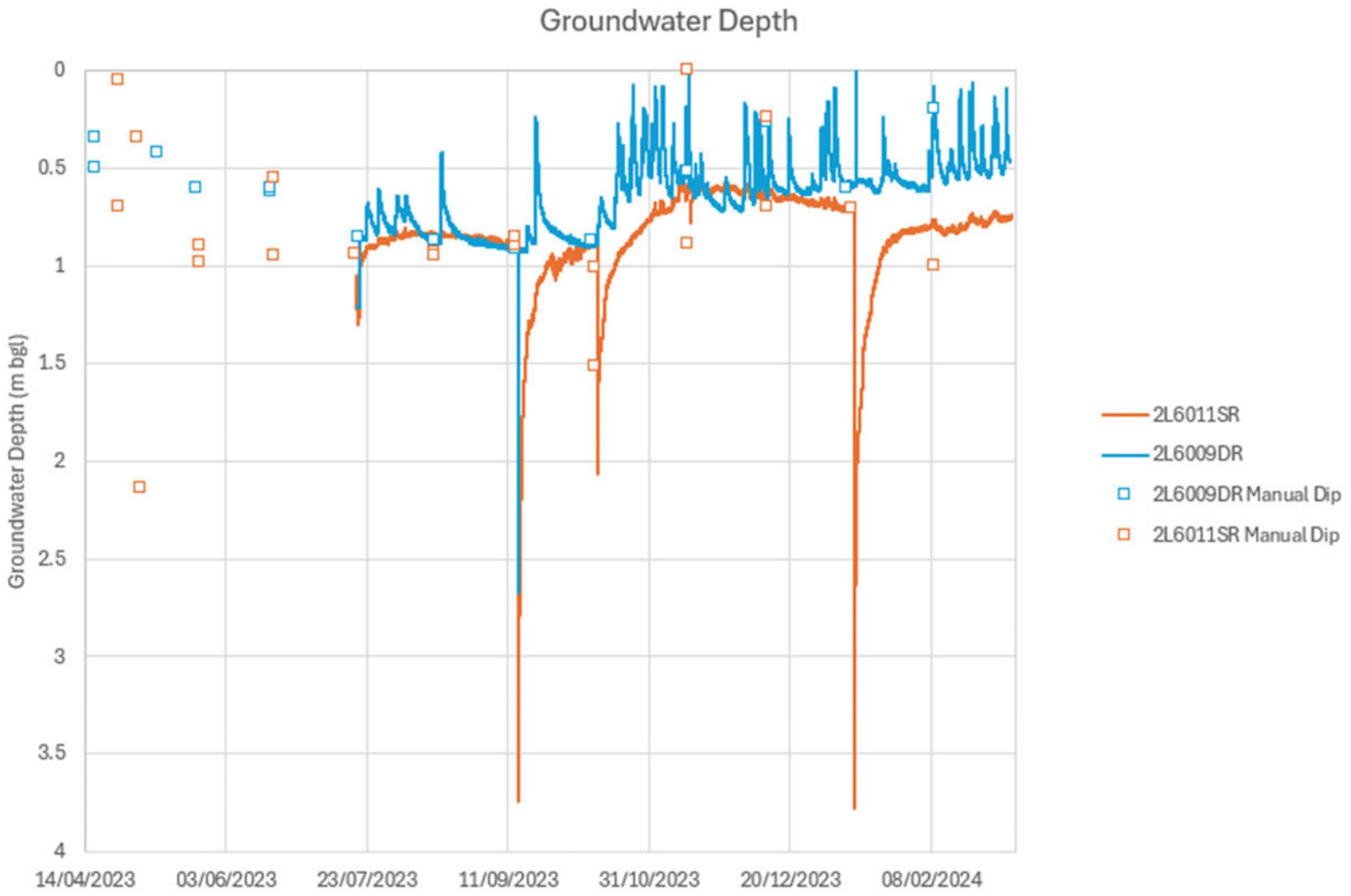
Exploratory Hole	Response zone (m bgl)	Strike During Drilling – Depth, m bgl and (Elevation, m OD)	Stratum Within Which Strike Was Recorded	Spot Monitoring – Depth, m bgl and (Elevation, m OD)	Data Logger – Minimum/ Maximum Depth, m bgl (m OD)
2L6012SR	1.00 – 8.00	1.20 (19.46) rising to 1.09 (19.57)	River Terrace Deposits	0.42 (20.24) – 1.03 (19.63)	Not Installed
BH501	1.10 – 2.00	Dry	-	1.86 (19.08) - 2.00 (18.94)	Not installed
3L6024HP 3L6024HP-A	None	0.20	Topsoil	Not Applicable	Not Installed
3L6100HP	None	0.60 1.20	London Clay Formation	Not Applicable	Not Installed
3L6103HP	None	1.10	London Clay Formation	Not Applicable	Not Installed
3L6106DS	1.00 – 6.00	Dry	-	0.24 – 0.86	Not Installed

Additionally, a Vibrating Wire Piezometer was installed at 32.0 m bgl (-11.06 m OD) in BH501 which was below the shallower installation listed in Table 4.7.

The ground conditions and groundwater results are mostly consistent with the anticipated ground conditions from the desk study and BGS boreholes.

Graph 4.1 shows the groundwater levels for 2L6009DR and 2L6011DR near Bow Lake monitored by downhole dataloggers originally placed 1m above the base of the slotted pipe. Please note that the large variation in borehole groundwater levels including 2L6009DR on 13th July and 11th September 2023 is a result of groundwater levels in the installation decreasing immediately after purging had taken place in order to get water samples for environmental testing. **Graph 4.1** is an extract received based on AGS data (SSP, 2023a) provided by SOCOTEC and includes information for other Section GI monitoring wells.

Graph 4.1 Datalogger Groundwater Levels for 2L6009DR and 2L6011SR.



4.2.3 Visual and/or Olfactory Contamination

No olfactory evidence of contamination was noted in the exploratory hole logs. **Table 4.8** details the potential ACM and quantified asbestos encountered within 2L6002SA and 2L6005SA respectively.

Table 4.8 Asbestos and Potential ACM Encountered

BH ID	Location	PSC No.	Visual / Olfactory Contamination
2L6002SA	448996, 120402	441 – Crowd Hill Landfill and 440 – BGS Artificial Ground	Possible ACM and possible asbestos fragments between ground level and 0.20 m bgl within Made Ground. Note: Soil samples collected did not yield any detectable asbestos (see Section 5.1.2 for further details).
2L6005SA	448973, 120473		Possible ACM within Made Ground between ground level and 0.70 m bgl with observations of plastic and cement sheeting (PACM). Note: A bulk bag (0.05 m bgl – 0.30 m bgl) and a disturbed sample (0.05 m bgl – 1.00 m bgl) yielded positive asbestos detections of 1.2083% and 0.501% respectively. The ACM material was identified as insulating board (chrysotile and amosite) (see Section 5.1.2 for further details).

Note - Exploratory Hole logs advanced to investigate PSC 441 (2L6000TP, 2L6001TP, 2L6004TP, 2L6006TP, 2L6002 & 003SA, 2L6005SA) yielded little to no evidence of landfill material. Made Ground was only present to a maximum depth of 0.70 m bgl. No obvious capping material was encountered.

4.2.4 Geo-Environmental Results

The results of the geo-environmental soil, soil leachate and groundwater chemical analysis are presented in the Factual GI report (SOCOTEC, 2023) (SOCOTEC, 2024).

5 Generic Quantitative Risk Assessment (GQRA)

This report section assesses the soil, soil leachate and groundwater concentrations collected at the selected Phase 2 and Phase 3B/3C GI locations within the Section L only.

Intrusive works were undertaken in Section L as part of the Phase 1 ground investigation for tunnel shaft design. Borehole BH501 was excavated to 45.15 m bgl and trial pits TP501, TP502, and TP503 were excavated up to 1.60 m bgl. Further information can be found in the Geo-environmental Interpretative Report for Phase 1 and 3A Ground Investigation (Shafts and Tunnels) (SSP, 2025) .

In accordance with the guidance given in 'Land Contamination Risk Management' (LCRM) (Environment Agency, 2023), the results of the geo-environmental laboratory testing undertaken on the samples of soil and groundwater recovered during the 2023 and 2024 SOCOTEC GI's have been compared to current published generic assessment criteria (GAC) to identify potential hazards to the plausible receptors.

5.1 Soil Chemical Results

5.1.1 Assessment of Potential Risk to Human Health Receptors

Across the Phase 2 and Phase 3B/3C GIs 81 No. samples were collected from exploratory hole locations across Section L. The soil samples included 16 No. samples of Made Ground, 11 No. samples of Topsoil, four samples of Head Deposits, three samples of River Terrace Deposits, three samples of Alluvium, 39 No. samples of London Clay and five samples of Lambeth Group. There were no exceedances of the human health GAC (commercial land use), within soil samples collected from the Phase 2 and Phase 3B/3C GIs.

Asbestos insulating board (comprising amosite and chrysotile) and free asbestos fibres (amosite and chrysotile) detected in a soil sample collected from 2L6005SA between 0.05 – 1.00 m as in Table 4.8 are included as notable soil concentrations in **Table 5.1**. No other asbestos was identified within samples collected from boreholes along Section L. Further details of the GAC used are provided in **Appendix G**.

5.1.2 Notable Soil Contaminant Concentrations

GAC are not available for all determinands analysed. A subjective list of chemical concentrations which appear to be elevated compared to other chemical results recorded during the GI are included in **Table 5.1**.

Table 5.1: Notable Soil Concentrations

Hole ID	Depth (m bgl)	Determinand	Concentration (mg/kg)	Notes
2L6002SA	0.10 – 0.20	Total PAH	249	Individual PAH concentrations are below corresponding GAC. Cumulative concentration is elevated compared to other locations.
2L6005SA	0.05 – 0.30	Asbestos	Amosite and Chrysotile insulating board and free fibres, 1.2083%	Statum described as: Made Ground to 0.7 m bgl. Grass over soft dark brown slightly sandy very gravelly clay, with occasional cobble and rootlets (<1mm). Sand is

Hole ID	Depth (m bgl)	Determinand	Concentration (mg/kg)	Notes
	0.05 – 1.00		Chrysotile and Amosite insulating board 0.501%	medium. Gravel is angular to subangular medium to coarse of glass, brick, concrete, burnt wood, plastic and cement sheeting (PACM) fragments. Cobble is angular concrete (100 x 90mm), metal (250 x 40mm) and brick (150 x 63mm). Second sample taken from a disturbed sample mixed with Glacial Head Deposits from 0.70 m bgl.
2L6000TP, 2L6001TP 2L6002SA, 2L6003SA, 2L6004TP, 2L6011SR, 3L6106DS and 3L107DS	0.10 – 6.00	Iron	23,400 - 47,600	Iron is noted at high concentrations within soil samples collected from a number of exploratory locations within the Phase 2 and 3B/3C GIs and within a relatively wide depth range. It is possible these concentrations are related to geology, though elevated concentrations are noted within samples collected from both Made Ground and natural deposits.

5.1.3 Soil Sample Deviations

A list of samples that did not wholly meet the laboratory Quality Management System (QMS) requirements is presented in **Appendix C**. These deviations were due to the acceptable (holding) time between the sampling date and laboratory analysis being exceeded.

Holding times are derived based on ‘stability’; the ability of a property to remain unchanged, within a stated uncertainty, under given storage conditions and a specific timeframe. If a reported result is within the holding time it is known that the degree of change (if it occurs) is not statistically meaningful. If the sample result is reported as ‘deviating’, the degree of change is unknown and, therefore, may have affected the result. The result must then be treated as potentially indicative.

5.2 Soil Leachate and Groundwater Results

5.2.1 Comparison of Soil Leachate Results Against GAC

From sampling obtained during the Phase 2 GI, 15 No. soil leachate (2:1 ratio) sample analyses were requested, however, only two results have been reported to date, both from 2L6008DR (0.30 m bgl - Alluvium) and (6.5 m bgl - London Clay Formation). This borehole targets a trenchless crossing rather than a PSC.

The Phase 3B/3C GI collected an additional 5 No. of samples for leachate testing. The concentrations exceeding selected GAC protective of controlled waters for soil leachate samples from Phase 2 and Phase 3B/3C GI are shown in **Table 5.2**.

Soil leachate concentrations have been compared to the Drinking Water Inspectorate Drinking Water Standard (DWS) guidance (Drinking Water Inspectorate, 2024) and the withdrawn Water Supply (Water Quality)

Regulations 1989 (WQS) for petroleum hydrocarbons (Legislation.gov.uk, 2024). Concentrations of Total Ammonia as nitrogen have been compared to the Water Framework Directive (WFD) criteria (Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015). Screening against the Environmental Quality Standard (EQS) was also undertaken due to surface water receptors within 250 m of GI locations. Details on the selection of water GAC is provided in **Appendix G.**

Table 5.2: Soil Leachate Sample Exceedances of GAC

Hole ID	Depth (m bgl)	Ground Conditions	Determinand	Concentration (µg/l)	GC (µg/l)
2L6008DR	0.3	Topsoil	Copper	**2**	1 (EQS)
	6.5	London Clay	TPH (C_6 – C_{40})	**110**	10 (WQS)
			Total Ammonia (N)	**897.6**	200 - 600 (WFD)
			Total Ammonia (N)	**1,057**	
3L6101DS	2.85	Lambeth Group, Clay	Selenium	**18**	10 (DWS)
3L6106DS	0.20	Made Ground	Copper	**3**	1 (EQS)
			Iron	**580**	200 (DWS)
			TPH aromatic (C_6 – C_{40})	**20**	10 (WQS)
3L6107DS	0.15	Made Ground	Copper	**2**	1 (EQS)
			Iron	**910**	200 (DWS)
			TPH aromatic (C_6 – C_{40})	**30**	10 (WQS)

Potential contaminants for which the method detection limit (MDL) exceeds the corresponding GAC are present in **Appendix C**. It is noted that testing with an MDL lower than the environmental quality standards for the PAHs listed in the table below is, typically, not offered by standard commercial laboratories. For all determinands analysed, but not listed in the **Appendix C**, the MDLs were below the relevant GAC.

5.2.2 Comparisons of Groundwater Results Against GAC

Groundwater concentrations have been compared to the same GAC as soil leachate concentrations (Section 5.2.1). For the 23 groundwater samples, exceedances above the selected withdrawn water quality standards (WQS) for TPH are shown in **Table 5.3**, exceedances of GAC (DWS) are shown in **Table 5.4** and exceedances of selected GAC (EQS) are shown in **Table 5.5.**

Analytes with a laboratory MDL greater than the EQS used for the assessment are shown in **Appendix C**. While the laboratory did not detect these determinands in the sample, they may be present at a concentration above the GAC; however, in the absence of detected concentrations, these are not considered true exceedances.

Table 5.3: Groundwater TPH Exceedance of the Withdrawn Water Supply (Water Quality) Regulations 1989 GAC

BH ID, stratum targeted and response zone [1]	Sampling Date (Shallow/Deep for dual installs)	Determinand	Concentration (µg/l) exceeds the GAC (10 µg/l *)
2L6002SA (1.00 – 5.00 London Clay Formation)	12/05/2023	TPH aliphatic	**1,180**
		TPH aromatic	**70**
		TPH aliphatic and aromatic	**1,250**
	20/07/2023	TPH aliphatic	**1,360**
		TPH aromatic	**80**
		TPH aliphatic and aromatic	**1,440**
	16/09/2023	TPH aliphatic	**750**
		TPH aromatic	**490**
		TPH aliphatic and aromatic	**1,240**
2L6003SA (1.00 – 7.00 London Clay Formation)	12/05/2023	TPH aliphatic	**936**
		TPH aromatic	**100**
		TPH aliphatic and aromatic	**1,036**
	20/07/2023	TPH aliphatic	**770**
		TPH aromatic	**430**
		TPH aliphatic and aromatic	**1,200**
	16/09/2023	TPH aliphatic	**340**
		TPH aromatic	**80**
		TPH aliphatic and aromatic	**420**
2L6005SA (1.00 – 6.00 London Clay Formation)	11/05/2023	TPH aliphatic	**362**
		TPH aromatic	**70**
		TPH aliphatic and aromatic	**432**
	18/07/2023	TPH aliphatic	**750**
		TPH aromatic	**480**
		TPH aliphatic and aromatic	**1,230**
	16/09/2023	TPH aliphatic	**340**
		TPH aromatic	**70**
		TPH aliphatic and aromatic	**1,210**
2L6008DR	10/05/2023 (Shallow)	TPH (C_6 – C_{40})	**3,333**

BH ID, stratum targeted and response zone [1]	Sampling Date (Shallow/Deep for dual installs)	Determinand	Concentration (µg/l) exceeds the GAC (10 µg/l *)
(1.00 – 2.50 Alluvium into Head Deposits)	16/08/2023 (Deep)		**110**
	09/01/2024 (Deep)		**150**
2L6009DR (1.00 – 4.00 Alluvium into London Clay Formation)	10/05/2023 (Shallow)		**240**
	04/04/2024 (Shallow)		**130**
2L6010DR (1.00 – 6.00 Alluvium into London Clay Formation)	10/05/2023		**2,630**
	09/01/2024		**1,420**
	04/04/2024		**110**
2L6011SR (1.00 – 11.00 River Terrace Deposits into London Clay Formation)	11/01/2024		**240**
2L6012SR (1.00 – 8.00 River Terrace Deposits into London Clay Formation)	03/05/2023		**570**
3L6106DS (1.00 – 6.00 London Clay Formation)	29/05/2024	TPH aliphatic (C_8-C_{40})	**300**
		TPH aromatic (C_8-C_{40})	**350**
	03/07/2024	TPH aliphatic (C_8-C_{40})	**240**
		TPH aromatic (C_8-C_{40})	**140**
		TPH aliphatic (C_{21}-C_{35})	**200**

[1] m bgl

*Silica Gel clean up not reported on any of the Phase 2 samples. Testing for all samples above were for C_{10} – C_{40} range.

**High MDL recorded due to the following: "*The information in Labware suggests the sample was extracted on a x100 dilution for TPH and PAH which has resulted in the raised detection limit. There is also a comment in Labware that says 'emulsion', this means the sample was suitably 'murky' that on addition of solvent the technician would be unable to see the separation between sample and solvent and an extraction would not be successful. When emulsions occur, a dilution is made to minimise the matrix affect enabling extraction of the sample to take place.*"

Table 5.4: Groundwater Exceedances of the DWS

BH ID, stratum targeted and response zone [1]	Sampling Date	Determinand	Concentration (µg/l)	GAC - DWS (µg/l)
2L6002SA (1.00 – 5.00 London Clay Formation)	12/05/2023	Chloride	**525,000**	250,000
		Sulphate	**287,000**	
	20/07/2023	Chloride	**256,000**	
		Manganese	**80**	50
2L6003SA (1.00 – 7.00 London Clay Formation)	12/05/2023	Chloride	**393,000**	250,000
		Manganese	**70**	50
		Sulphate	**252,000**	250,000
	20/07/2023	Chloride	**268,000**	250,000
		Manganese	**100**	50
2L6005SA (1.00 – 6.00 London Clay Formation)	11/05/2023	Chloride	**676,000**	250,000
		Selenium	**11**	10
		Sulphate	**2,020,000**	250,000
	18/07/2023	Manganese	**90**	50
		Sulphate	**1,140,000**	250,000
	16/09/2023	Chloride	**1,890,000**	
		Lead	**24**	10
		Manganese	**260**	50
		Sulphate	**321,000**	250,000
2L6007DR (7.70 – 8.00 London Clay Formation)	17/08/2023	Ammonium (NH_4)	**1,899**	500
		Sulphate	**544,000**	250,000
2L6008DR (8.50 – 9.00 London Clay Formation)	16/08/2023 (Deep)	Ammonium (NH_4)	**1,270**	500
		Chloride	**531,000**	250,000
		Nitrite (NO_2)	**720**	500
		Sodium	**297,000**	200,000
	09/01/2024	Chloride	**250,000***	250,000
2L6009DR (8.70 – 9.00 London Clay Formation) (1.00 – 4.00 Alluvium)	16/08/2023 (Deep)	Ammonium (NH_4)	**2,025**	500
		Boron	**1,050**	1,000
		Sulphate	**525,000**	250,000
	14/09/2023 (Shallow)	Ammonium (NH_4)	**766**	500
		Sulphate	**508,000**	250,000
	09/01/2024 (Deep)	Boron	**1,020**	1,000
		Ammonium (NH_4)	**1,927.1**	500
		Sulphate	**479,000**	250,000
	04/04/2024 (Deep)	Boron	**1,050**	1,000
		Ammonium (NH_4)	**1,672.9**	500

BH ID, stratum targeted and response zone [1]	Sampling Date	Determinand	Concentration (µg/l)	GAC - DWS (µg/l)
		Sulphate	**492,000**	250,000
2L6010DR (1.00 – 6.00 Alluvium into London Clay Formation)	10/05/2023	Chloride	**351,000**	250,000
		Sodium	**219,000**	200,000
		Sulphate	**264,000**	250,000
	20/07/2023	Ammonium (NH_4)	**767**	500
		Sulphate	**286,000**	250,000
	14/09/2023	Ammonium (NH_4)	**641**	500
		Sulphate	**281,000**	250,000
2L6011SR 1.00 – 5.00 River Terrace Deposits into London Clay Formation) (9.50 – 11.00 London Clay Formation)	04/05/2023 (Shallow)	Chloride	**300,000**	
		Sodium	**360,000**	200,000
		Sulphate	**1,080,000**	250,000
	14/09/2023 (Deep)	Ammonium (NH_4)	**641**	500
		Sodium	**379,000**	200,000
		Sulphate	**1,370,000**	250,000
	09/01/2024	Ammonium (NH_4)	**515.8**	500
		Sodium	**379,000**	200,000
		Sulphate	**1,550,000**	250,000
		Indeno(1,2,3-cd)pyrene	**0.61**	0.1
2L6012SR (1.00 – 8.00 River Terrace Deposits into London Clay Formation)	03/05/2023	Sodium	**225,000**	200,000
		Sulphate	**735,000**	250,000
	19/01/2024	Ammonium (NH_4)	**515.8**	500
		Sulphate	**417,000**	250,000
3L6106DS (1.00 – 6.00 London Clay Formation)	29/05/2024	Manganese	**280**	50
		Sulphate	**1,040,000**	250,000
	03/07/2024	Sulphate	**273,000**	250,000
	16/07/2024	Manganese	**230**	50
		Sulphate	**1,220,000**	250,000

[1] m bgl
*Exceedance equal to the DWS GAC.

Table 5.5: Groundwater Exceedances of the EQS

BH ID, stratum targeted and response zone[1]	Sample Date	Determinand	Concentration (µg/l)	GAC (µg/l)
2L6002SA	18/07/2023	Zinc	**16**	10.9

BH ID, stratum targeted and response zone[1]	Sample Date	Determinand	Concentration (µg/l)	GAC (µg/l)
(1.00 – 5.00 London Clay Formation)		Fluoranthene	**0.08**	0.0063
2L6005SA (1.00 – 6.00 London Clay Formation)	11/05/2023	Copper	**3**	1
		Zinc	**12**	10.9
		Total Ammonia (N)	**247.1**	200-600*
	18/07/2023	Cadmium	**0.11**	0.08
		Copper	**2**	1
		Zinc	**12**	10.9
	13/09/2023	Cadmium	**0.27**	0.08
		Copper	**19**	1
		Lead	**24**	1.2
		Manganese	**260**	10
		Nickel	**7**	4
		Zinc	**82**	10.9
2L6007DR (7.70 – 8.00 London Clay Formation)	17/08/2023	Total Ammonia (N)	**1,498**	200 – 600*
2L6008DR (1.00 – 2.50 Alluvium into Head Deposits) (8.50 – 9.00 London Clay Formation)	10/05/2023 (Shallow)	Zinc	**26**	10.9
	17/08/2023 (Deep)	Total Ammonia (N)	**296.5**	200 – 600*
		Copper	**2**	1
		Lead	**8**	1.2
		Nickel	**9**	4
		Zinc	**17**	10.9
	14/09/2023 (Deep)	Nickel	**7**	4
		Total Ammonia (N)	**996.5**	200-600*
	09/01/2024 (Deep)	Lead	**7**	1.2
		Fluoranthene	**0.02**	0.0063
		Total Ammonia (N)	**296.5**	200-600*
		Zinc	**77**	10.9
2L6009DR (1.00 – 4.00 Alluvium deposits into London Clay Formation) (8.70 – 9.00 London Clay Formation)	10/05/2023 (Shallow)	Copper	**2**	1
	17/08/2023 (Deep)	Total Ammonia (N)	**2,025**	200 – 600*
		Lead	**10**	1.2
	14/09/2023 (Shallow)	Total Ammonia (N)	**1,597**	200-600*

BH ID, stratum targeted and response zone[1]	Sample Date	Determinand	Concentration (µg/l)	GAC (µg/l)
	09/01/2024	Chromium VI	**5**	3.4
		Lead	**6**	1.2
		Total Ammonia (N)	**1,498.8**	200-600*
		Zinc	**36**	10.9
	04/04/2024	Total Ammonia (N)	**1,301.2**	200-600*
		Zinc	**20**	10.9
2L6010DR (1.00 – 6.00 Alluvium into London Clay Formation)	10/05/2023	Total Ammonia (N)	**296.5**	200-600*
	20/07/2023		**601.2**	
	14/09/2023		**502.4**	
2L6011SR (1.00 – 5.00 River Terrace Deposits into London Clay Formation)	04/05/2023 (Shallow)	Total Ammonia (N)	**296.5**	200-600*
	14/09/2023 (Deep)		**502.4**	
(9.50 – 11.00 London Clay Formation)	11/01/2024	Nickel	**6**	4
		Total Ammonia (N)	**403.5**	200-600*
2L6012SR (1.00 – 8.00 River Terrace Deposits into London Clay Formation)	18/07/2023	Zinc	**11**	10.9
	19/01/2024	Total Ammonia (N)	**403.5**	200-600*
3L6106DS (1.00 – 6.00 London Clay Formation)	29/05/2024	Manganese	**280**	123
	16/07/2024	Zinc	**19**	10.9
		Cadmium	**0.13**	0.08
		Manganese	**230**	123
		Zinc	**12**	10.9

[1] m bgl
*Based on the Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015 for good to high river quality.

It should be noted that selected soil leachate and groundwater samples were subjected to PFAS analysis. No samples were found to have individual per and poly-fluoralkyl (PFAS) concentrations above the Tier 3 threshold of 0.1 µg/l (the Drinking Water inspectorate [DWI] expects water companies to put emergency contingency measures in place to reduce concentrations to below 0.1µg/l (DWI, 2024). The groundwater sample from 3L6106DS at 5.70m (16/07/2024) was found to have concentrations of perfluorooctane sulfonic acid (PFOS) above the MDL at 0.085 µg/l, but below the action threshold.

Groundwater sample deviations and potential contaminants for which the laboratory Method Detection Limit (MDL) exceeded the corresponding GAC are presented in **Appendix C**. It is noted that testing with an MDL lower than the GAC for the PAHs listed is typically not offered by standard commercial laboratories. For all determinands analysed, but not listed in **Appendix C**, the MDLs were below the relevant GAC.
Further details on the selection of water GAC protective of aquatic ecosystems (controlled waters) are provided in **Appendix G**.

Where soil leachate and groundwater laboratory analysis include analytes where there is no corresponding GAC (e.g. selected VOCs, SVOCs, herbicides and pesticides) the data is only reported factually by SOCOTEC.

5.3 Tentatively Identified Compounds (TICs)

The following exploratory locations had soil, leachate and groundwater sampling tested for TICs: Section L - 3L6106DS and 3L6107DS. Low concentrations were detected, with the maximum recorded in soils at 30.3 mg/kg (diphenyl sulfone), leachates at 0.077 mg/l (pentane, 2,2,4-trimethyl-) and 0.022 mg/l (pentane, 2,2,3-trimethyl-) in groundwater samples.

A full tabulated list of TICs found is presented in Appendix D.

5.4 Excavated Materials (Waste) Management

5.4.1 Hazardous Properties

Soil analytical results for the 81 No. soil samples described above have been screened for hazardous properties as identified in Technical Guidance WM3 - Waste Classification - Guidance on the Classification and Assessment of Waste First Edition Version 1.2 (Environment Agency, 2021). Screening was carried out using HazWasteOnline™ (HazWasteOnline, 2023) (HazWasteOnline, 2024). The results are provided in **Appendix E** and are summarised in **Table 5.6.**

Table 5.6: Waste Classification – Hazardous Soils

BH ID	Sample Depth (m bgl)	Determinand	Concentration (mg//kg)	Hazardous Properties	Comments
2L6005SA	0.05 – 0.30	Amosite and Chrysotile insulating board and free fibres	**1.2083%**	HP7 Carcinogenic	The remainder of the soil matrix was not subject to a chemical analysis for other determinands. There are also no other soil samples from the Made Ground at this location that were subject to chemical testing.
	0.05 – 1.00 (mixed with natural soils from 0.7 m bgl)	Chrysotile and Amosite insulating board	**0.501%**		

Both samples identified as containing hazardous concentrations of asbestos were located within Crowd Hill Landfill and BGS Made Ground (PSCs 441 and 440).

All other soils samples analysed are classified as non-hazardous material.

5.3.2 Waste Acceptance Criteria (WAC)

WAC testing was completed in accordance with BSEN 12457/2 on 42 samples (7 of topsoil, 9 of Made Ground and 25 of natural soils) retrieved from Phase 2 and Phase 3B/3C Section L GI locations. Results have been screened against landfill WAC limit values for an Inert Landfill.

Of these, 16 samples did not meet the criteria for disposal to Inert Landfill due to concentrations exceeding WAC including those of fluoride, sulphate, PAHs, total dissolved solids (TDS) and total organic carbon (TOC). This material would be classed as non-hazardous for disposal. Further details are provided in **Table 5.7**.

Table 5.7: Inert Landfill Threshold Exceedances.

BH ID	Sample Depth (m bgl)	Stratum	Determinand	Sample Concentration (mg//kg) (w/w% for TOC)	Inert Landfill threshold concentration (mg/kg) (w/w% for TOC)
2L6000TP	0.1	Made Ground	TOC*	**3.09**	3
	3.10	London Clay	Fluoride	**13**	10
2L6001TP	1.00	London Clay		**18**	
	3.50	London Clay		**11**	
2L6002SA	0.1	Made Ground	TOC*	**3.35**	3
			PAHs	**253**	100
	0.50	London Clay	Fluoride	**16**	10
2L6003SA	1.00	London Clay		**17**	
2L6005SA	1.00**	Head Deposits		**11**	
	6.00**	London Clay	Sulphate (SO_4)	**7,320**	1,000
			TDS	**7,920**	4,000
2L6006TP	0.10	Made Ground	TOC*	**3.09**	3
	2.30	London Clay	Sulphate (SO_4)	**11,300**	1,000
			TDS	**11,200**	4,000
2L6009DR	0.10	Made Ground	TOC*	**3.06**	3
3L6014HP	0.50	London Clay	Fluoride	**21**	10
			Sulphate (SO_4)	**1,010**	1,000
	1.00		Fluoride	**17**	10
3L6106DS	3.50		Sulphate	**11,500**	1,000
			TDS	**10,800**	4,000
3L6107DS	1.6		Fluoride	**15**	10
	5.6		Selenium	**0.16**	0.1
			Sulphate	**1,320**	1,000

*May be accepted as inert waste as Dissolved Organic Carbon Concentration is below 500 mg/kg and the lowest pH is 6.9.
**It should be noted that these samples only relate to the WAC results at these depths in natural Head Deposits and London Clay – the sample at 0.05 m bgl should be treated as hazardous due to asbestos as outlined in the HazWasteOnline™ waste classification report in Appendix E.

It is important to note that specific inert landfills may have stricter and/or additional limits imposed for waste soil disposal, therefore the above assessment shall be treated as indicative only. Suitability of material for disposal must be discussed with the landfill operator in advance. It is likely that additional soil sampling with

chemical and WAC testing will be required beyond this preliminary GI to inform on suitable disposal routes. Topsoil is not normally accepted at landfill due to its high organic content.

5.5 Ground Gas Monitoring

Ground gas monitoring results are tabulated in the SOCOTEC GI Factual reports (SOCOTEC, 2023) (SOCOTEC, 2024). Nine boreholes drilled during the Phase 2 GI had monitoring carried out along Section L. 2L6002SA, 2L6003SA and 2L6005SA had six rounds of monitoring carried out between April 2023 and September 2023. Additional monitoring was carried out in 2L6008DR, 2L6009DR, 2L6010DR between September 2023 and April 2024, whilst 2L6011SR and 2L6012SR had additional monitoring between September 2023 and March 2024 totalling, within the aforementioned locations,12 or 13 rounds.

From exploratory hole locations advanced during the Phase 3B/3C GI only 3L6106DS had a well installed for monitoring. Six rounds of monitoring were carried out between May 2024 and July 2024.

The response zones in 2L6005SA and 2L6011SR were fully flooded on the 11th May 2023 and 26th April 2023 respectively. In addition, there was a pump flow failure in 2L6011SR on the 25th May 2023, 20th June 2023 and 19th July 2023, and in 2L60112SR on the 20th June 2023 and 18th July 2023, likely due to high groundwater levels. The aforementioned boreholes (which included monitoring to November 2023) recorded groundwater levels between ground level and 1.52 m bgl, furthermore 2L6012SR was noted to be flooded on the 14th November 2023.

In view of the flooded wells, the data from these monitoring rounds have been used as indicative as they may not be fully representative of the ground gas regime beneath the site due to "*The response zone of the gas monitoring standpipe should be wholly or partly above groundwater level to provide valid data... [and] gas standpipes with flooded response zones might exhibit measurements of elevated methane or carbon dioxide… due to dissolved gases or the presence of biodegradable material in the groundwater*" (BSI, 2015a).

Peak concentrations (minimum for oxygen) are presented in the summary **Table 5.8**. Although there are no permanent building structures proposed for these areas of the scheme, the ground gas data recorded in 2L6007DR, 2L6008DR, 2L6009DR, 2L6010DR, 2L6011SR and 2L6012SR should be considered at the preconstruction phase in terms of risks to groundworkers. In particular, temporary deep excavations are planned as reception pits for the trenchless crossings of Winchester Road, Bow Lake watercourse and unnamed tributary of the Itchen respectively.

5.5.1 Gas Thresholds

Peak concentrations recorded in monitoring wells have been compared to the following gas threshold concentrations:

- EH40/2005 (fourth edition 2020) Workplace Exposure Limits (WELs) (HSE, 2020)
- BSI (The British Standards Institution) Health and Safety in tunnelling in the construction industry-Code of Practice [BS 6164:2019] (BSI, 2019)

Exceedances of these thresholds are shown in **Table 5.9.**

Table 5.8: Ground Gas Monitoring Results Summary

Peak Gas Concentrations (minimum for Oxygen)								
Borehole	**Response Zone (m bgl) and Stratum**	**CH_4 %vol**	**CO_2 %vol**	**O_2 %vol**	**CO ppm**	**H_2S ppm**	**VOC ppmv**	**Max Gas Flow Rate (pk) l/hr**
2L6002SA	1.00 – 5.00 London Clay	<0.1	4.3	13.1	1.0	1.0	0.6	<0.11 and -1.3
2L6003SA	1.00 – 7.00 London Clay	<0.1	1.3	18.1	2.0	1.0	0.8	<0.1 and -0.1
2L6005SA	1.00 – 6.00 Head Deposits into London Clay	0.1	5.9	14.1	2.0	<1.0	1.3	<0.1 and -20.4
2L6008DR	1.00 – 2.50 Shallow – Alluvium into River Terrace	0.1	3.7	14.6	2.0	1.0	1.2	12.4 and -8.4
2L6009DR	1.00 – 4.00 Shallow – Head Deposits into London Clay	0.2	0.8	20.3	7.0	1.0	1.3	0.1 and -1.8
2L6010DR	1.00 – 6.00 River Terrace into London Clay	0.2	1.2	19.7	6.0	1.0	0.6	0.1 and -5.9
2L6011SR	1.00 – 5.00 Shallow – River Terrace into London Clay	0.5	5.1	0.1	42.0	1.0	2.1	8 and -12.3

Peak Gas Concentrations (minimum for Oxygen)								
Borehole	**Response Zone (m bgl) and Stratum**	**CH_4 %vol**	**CO_2 %vol**	**O_2 %vol**	**CO ppm**	**H_2S ppm**	**VOC ppmv**	**Max Gas Flow Rate (pk) l/hr**
2L6012SR	1.00 – 8.00 River Terrace into London Clay	<0.1	1.5	17.6	6.0	1.0	0.8	3.6 and -7.2
3L6106DS	1.00 – 6.00 London Clay Formation	1.3	0.8	19.8	0	<10	1	0

Notes: CH_4 - Methane, CO_2 – Carbon Dioxide, O_2 – Oxygen, CO – Carbon Monoxide, H_2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds, ppmv - Part per Million Volume

Table 5.9: Gas Exceedances of Maximum Peak Recorded Concentrations

Area	Borehole	CH_4	CO_2	O_2	CO	H_2S	VOC
Location / substance threshold		4.4 % vol (LEL) to 17 % vol (UEL)	0.5 % vol (LTL) 1.5 % vol (STL)	<19% by volume	20 ppm (LTL) 100 ppm (STL)	5 ppm (LTL) 10 ppm (STL)	Approx. 10,000 ppmv[1] (LEL)[1]
Targeting Crowd Hill Historic Landfill and BGS Made Ground (PSCs 440 and 441)	2L6002SA	No	Yes	Yes	No	No	No
	2L6003SA	No	Yes	Yes	No	No	No
	2L6005SA	No	Yes	Yes	No	No	No
Trenchless Crossing – Winchester Road	2L6008DR	No	Yes	Yes	No	No	No
Trenchless Crossing – Bow Lake Watercourse	2L6009DR	No	Yes	N/A	No	No	No
	2L6010DR	No	Yes	N/A	No	No	No
Trenchless Crossing – Unnamed	2L6011SR	No	Yes	Yes	Yes – LTL	No	No

Area	Borehole	CH_4	CO_2	O_2	CO	H_2S	VOC
Tributary of the Itchen	**2L6012SR**	No	Yes	Yes	No	No	No
Targeting second location Crowd Hill Landfill (PSC 472)	**3L6106DS**	No	Yes - LTL	No	No	No	No

LEL – Lower explosive limit; UEL – Upper explosive limit; STL – Short Term Limit; LTL – Long Term Limit; [1] – dependant on constituents

6 Land Contamination Risk Assessment Model

6.1 Approach and Revised Conceptual Site Model

The land contamination risk assessment presented in this section is a revised risk assessment, that has been undertaken in accordance with the procedure outlined in LCRM (Environment Agency, 2023). This revised risk assessment uses information collated as part of the Phase 2 and Phase 3B/3C GI, and builds on the existing preliminary risk assessment completed as part of the desk study. The revised risk assessment will allow for recommendations to be made based on the identification and assessment of potential contaminant linkages. A summary of the guidance for the assessment of land contamination and the approach developed and adopted by SSP is presented in the Summary Report HWTWRP Geotechnical and Geo-environmental Interpretative Summary Report (Phase 2) (Ref. 710166-SWS-XX-XX-RP-GE-00100).

6.2 Potential Sources of Contamination

A summary of the on Site and off Site potential sources of contamination (PSCs) identified and associated potential contaminants of concern (PCOC) is presented in **Table A1 and A2 (Appendix A).**

6.2.1 Locations where PSCs were Identified

Crowd Hill Landfill Holder Reference EAHLD20508; Site Reference FEA22, EAST 5 (PSC 441) and BGS Made Ground (PSC 440).

The proposed Section L DoL crosses the assumed lateral extent of this Environment Agency recorded landfill and BGS Artificial Ground. As such, cable percussive boreholes (2L6002SA, 2L6003SA and 2L6005SA) and trial pits (2L6000TP, 2L6001TP, 2L6004TP and 2L6006TP) were advanced to determine the presence and nature of the landfill material. Observations from these sites are below.

- A limited thickness of Made Ground was encountered within locations (2L6002SA, 2L6005SA, 2L6001TP, 2L6004TP and 2L6006TP) possibly suggesting that the bulk of the material deposited within the landfill is not beneath the proposed pipeline route (since the expected thickness of Made Ground throughout much of the landfill would be greater, and because the Made Ground did not appear to contain any landfilled or capping materials (though without further investigation within this area this is difficult to establish).
- No concentrations exceeding the commercial GAC protective of human health were encountered within soil samples subject to chemical analysis; however, asbestos was detected in the Made Ground of 2L6005SA (which targeted the footprint of the BGS artificial ground) (from ground level to 0.70 m bgl). The asbestos material was identified in one sample as insulating board (amosite and chrysotile) and free fibres (amosite and chrysotile) at 1.2083% and detected in a second sample as insulating board (amosite and chrysotile) at 0.501%. Both asbestos concentrations exceed the hazardous properties' threshold of 0.1% for waste disposal. Any concentration of asbestos in soils poses a risk to human health. The borehole log descriptions for 2L6005SA also noted cement sheeting fragments (suspected ACM) within the Made Ground present between ground level and 0.70 m bgl.
- Notable soil concentrations of iron were encountered in samples tested from these locations at concentrations between 23,100 mg/kg and 41,200 mg/kg.
- Groundwater sampling and testing recorded concentrations in excess of GAC (EQS) protective of freshwaters for metals (copper, cadmium, lead, manganese, nickel and zinc), and one exceedance of fluoranthene within 2L6002SA. Total Ammonium as N concentrations has been compared to the standard for rivers in the Water Framework Directive (WFD) and shows several samples have exceeded the 200 – 600 µg/l threshold. Several determinand concentrations exceeded the GAC

(DWS) of chloride, manganese and sulphate. One sample collected from 2L6005SA also had one concentration exceeding the lead GAC and one exceeding the selenium GAC.

- Chloride and sulphate yielded particularly high concentrations from sampling taken from 2L6005SA; the most notable being concentrations of 2,020,000 µg/l for sulphate and 1,890,000 µg/l for chloride.
- Additionally, TPH concentrations detected in groundwater (total aromatic, total aliphatic and their combined total) from this area exceeded the withdrawn Water Supply (Water Quality) Regulations 1989 GAC of 10 µg/l. Concentrations of total TPH (C_{10} – C_{40}) were detected between 420 µg/l and 1,440 µg/l for samples collected from boreholes within this area in various stratum. These elevated concentrations could be attributed to the landfill as a potential source, though there are several other PSCs beyond the 50 m buffer, such as the industry along Portsmouth Road which could be a contributing to the quality of the groundwater locally. It should be noted that boreholes descriptions do not detail any visual or olfactory signs of the presence of TPH, and the laboratory results did not report on clean-up of the TPH samples, though this is to be confirmed with the labs.
- Ground gas monitoring carried out on installations within 2L6002SA, 2L6003SA and 2L6005SA yielded low concentrations of methane (max. 0.1 % v/v), hydrogen sulphide (max. 1 ppm), carbon monoxide (max. 2 ppm) and PID readings (max. 1.3 ppm), low oxygen levels of <19%, and generally low concentrations of carbon dioxide (max. 5.9% v/v) suggesting the landfill, if present beneath the Site, is not generating significant ground gas.

Landfill – Crowd Hill Landfill, Second Location, (PSC 472) 3L6106DS and 3L6107DS

The current Section L DoL crosses the assumed lateral extent of the second Crowd Hill Landfill location. As such 3L6106DS and 3L6107DS were advanced to determine the presence and nature of the landfill material.

- A limited thickness of Made Ground, 0.35 m, was encountered within both exploratory hole locations suggesting that the majority of the material deposited within the landfill is not necessarily beneath the DoL (expected thickness of Made Ground would be much greater)and because the Made Ground did not appear to contain any landfilled or capping materials (though without further investigation within this area this is difficult to establish)).
- Soil samples collected from these borehole locations did not yield any exceedances of the commercial GAC protective of human health.
- Leachate testing of Made Ground samples from the locations yielded two exceedances of copper (EQS), two exceedances of iron (DWS) and TPH Aromatics (C_6 – C_{40}) (withdrawn WQS) with concentrations between 20 µg/l and 30 µg/l.
- Groundwater sampling was only obtained from 3L6106DS due to 3L6207DS not having a well installed. Water from this location yielded TPH Aliphatic and Aromatic (C_8 – C_{40}) with concentrations between 140 µg/l and 350 µg/l respectively. At present the source of the TPH is unknown for this location. Groundwater sampling at this location also yielded exceedances of GAC (EQS) protective of freshwaters for metals (cadmium, manganese and zinc). Several determinands also exceeded GAC (DWS) within samples, these were manganese and sulphate. Sulphate concentrations, in particular, were most notable within sampling (1,040,000 µg/l and 1,220,000 µg/l).
- Although not a DWI exceedance, it should be noted that PFOS was detected above the MDL in the groundwater sample collected from 3L6106DS (16/07/24) at a concentration of 0.085 µg/l.
- Ground gas monitoring yielded concentrations of carbon dioxide that exceeded long term WELs.

6.2.2 Locations where Unexpected Contamination Detected

Trenchless Crossing Locations; 2L6007DR and 2L6008DR (Winchester Road), 2L6009DR and 2L6010DR (Bow Lake Watercourse), 2L6011SR and 2L6012SR (Unnamed Tributary of the Itchen).

Exploratory hole locations were not advanced to investigate PSCs and, therefore, data is limited to two boreholes per trenchless crossing making it difficult to delineate sources for contaminants encountered within groundwater.

- Soil samples collected from these borehole locations did not yield any exceedances of the commercial criteria protective of human health.
- Leachate testing carried out within 2L6008DR yielded one EQS exceedance of copper, two total ammonia as N WFD exceedances and one TPH (C_6 – C_{40}) WQS exceedance with a concentration of 110 µg/l.
- Groundwater sampling and testing from these locations yielded TPH (C_6 – C_{40}) with concentrations between 240 µg/l to 3,333 µg/l, though it should be noted that only samples from the first sampling round for each of these boreholes were tested for TPH. At present the source of the TPH is unknown for these locations, though it is suspected that clean-up of TPH from the laboratory was not carried out, though this is to be confirmed with the labs. Groundwater sampling at these locations also yielded exceedances of GAC (EQS) protective of freshwaters for metals (copper, lead, nickel and zinc), one exceedance of fluoranthene, as well as the WFD standard for total ammonia as N. Several determinands also exceeded GAC (DWS) within samples, these were Ammonium as NH_4, boron, chloride, indeno(1,2,3-cd)pyrene, nitrite as NO_2, sodium and sulphate. Sulphate concentrations in particular were most notable within sampling from 2L6011SR (1,080,000 ug/l, 1,370,000 µg/l and 1,550,000 µg/l) and 2L6012SR (417,000 µg/l and 735,000 µg/l).
- A high reading of carbon monoxide (42 ppm) was encountered within 2L6011SR, and lows of oxygen measured at 0.1% during the 25th May 2023 monitoring round.

6.3 Identification of Potential Pathways

During and post construction of the Proposed Development, the following potential pathways are considered:

- Dermal contact (soils and water), ingestion and inhalation of dusts, fibres, gases and vapours.
- Gas and vapour migration through permeable materials/strata and accumulation in voids and below ground chambers/receptor pits.
- Surface water runoff from stockpiles to surface watercourses and migration through groundwater.
- Leaching through unsaturated soil to underlying groundwater.
- Migration of contamination through proposed pipe bedding.

6.4 Identification of Potential Receptors

Based on the proposed construction works, end use and surrounding land uses, the following potential receptors previously identified in the desk study risk assessment have been further assessed following Phase 2 GI data:

- Construction workers
- Future site users (i.e., maintenance workers)
- Adjacent land users
- On-Site existing and future property (buildings and buried services)
- Surface water (Bow Lake watercourse, unnamed tributary of the Itchen)

- Groundwater (Secondary A (River Terrace and Alluvial Deposits) or Secondary Undifferentiated (Head Deposits) aquifers. Bedrock (London Clay and Lambeth) has not been considered as a receptor as it is an unproductive stratum. No major aquifers were encountered in Phase 2 and Phase 3B/3C exploratory hole locations.
- Ecological receptors (flora and fauna) to address statutory designated areas such as Ancient Woodlands (250 m).

The proposed pipeline has not been included as a potential receptor to contaminants that could be present in soils or groundwaters. The pipe material selection is to be made during design to prevent impact from existing PSCs.

There are no proposed permanent building structures at the areas investigated in Phase 2 of Section L. On-Site existing and future property is included as a receptor for completeness in the risk assessment.

6.5 Risk Assessment

The above CSM has been used to undertake a generic quantitative risk assessment. The method of risk evaluation adopted is consistent with LCRM (Environment Agency, 2023) and is being carried out in accordance with CIRIA C552 (CIRIA C552, 2001). Further details regarding the generic risk assessment methodology used are included in **Appendix I**.

The quantitative risk estimation is based on the evaluation of both desk study information collated for the route together with the Phase 2 and Phase 3B/3C GI data and is presented in Table H1 to Table H4 (**Appendix H**). Definitions for probability and consequence are in **Appendix I**. The findings of the revised risk assessment are summarised in **Tables 6.1**.

Table 6.1 summarises the risk classification (without mitigation measures) for the investigated PSCs, trenchless crossings and exploratory hole locations where unexpected contamination was encountered. The risk classification ratings are taken from the risk assessment tables (**Appendix H**). Where more than one pathway has been evaluated, the pathway with the highest risk rating is presented in **Table 6.1**. For example, the risk rating for construction, maintenance workers and future site users is High for an inhalation pathway and is shown in **Table 6.1**. The dermal contact and ingestion pathway risk rating is low as presented in Appendix H and is, therefore, not presented in **Table 6.1** but is expanded upon further in **Appendix H**.

Table 6.1: Summary of Risk Classification for Construction and Maintenance Activities for Areas Investigated in Section L

PSC No.	Section	PSCs	Risk Classification (without mitigation measures) for Receptors [1]					
			Construction and maintenance workers	Adjacent Land Users	On-Site existing and future property (buildings, reception pits and buried services)	Surface Water	Groundwater	Ecology
Historical Crowd Hill Landfill (PSC 441) / BGS Artificial Ground (PSC 440)	L exploratory holes advanced to target PSCs: 2L600TP, 2L6001TP, 2L6004TP, 2L6006TP, 2L6002SA, 2L6003SA and 2L6005SA Land adjacent to Winchester Road (2L6005SA), footprint of PSC. 440	**Crowd Hill Landfill (Potentially On-Site and Adjacent to) and BGS Made Ground:** Potential of encountering further Made Ground, asbestos, ground gas and contaminated groundwater. Groundwater sampling from boreholes yielded WQS exceedances of TPH. DWS exceedances of chloride, manganese, selenium, sulphate and ammonium (NH_4). EQS exceedances of cadmium, copper, lead, manganese, nickel and zinc as well as WFD standard exceedance for total ammonia (N). Ground Gas monitoring within 2L6003SA and 2L6005SA yielded carbon dioxide concentrations (which exceeded both short and long term WELs) as well as low oxygen concentrations.	Moderate	Moderate / Low	Low	Low	Moderate	Moderate / Low
		Asbestos encountered within 2L6005SA: A bulk sample (0.05 – 0.30 m bgl) and disturbed sample (0.05 – 1.00 m bgl) collected yielded positive detections, 1.2083% and 0.501% respectively of chrysotile and amosite insulation board.	High	Moderate	N/A			
N/A	Trenchless Crossing – 2L6007DR and 2L6008DR	**Leachate Exceedances within 2L6008DR (0.3 and 6.5 m bgl):** One EQS exceedance of copper, WQS exceedance of TPH and two total ammonia as N compared to the WFD standard. **Groundwater Exceedances:** WQS Total TPH (C_6 – C_{40}). DWS exceedances of ammonium (NH_4), chloride, boron, indeno(1,2,3-cd)pyrene, sodium and sulphate. EQS exceedances of copper, fluoranthene, lead, nickel, zinc and total ammonium as N. Leachate testing obtained from 2L6008DR yielded DWS and EQS exceedances of copper, cadmium and total ammonia as N. Ground gas, elevated concentrations of carbon monoxide (42 ppm) and carbon dioxide (exceeded both short and long term WELs) recorded as well as very low oxygen concentrations.	Moderate *(Inhalation pathway)*	Low	Moderate	Low	Moderate	Low
N/A	Trenchless Crossing – 2L6009DR and 2L6010DR		Moderate	Moderate / Low	Moderate	Moderate	Moderate	Low
N/A	Trenchless Crossing – 2L6011SR and 2L6012SR		Moderate	Moderate / Low	Moderate	Moderate	Moderate	Low
PSC 472	3L6106DS and 3L6107DS	**Leachate Exceedances:** One EQS exceedance of copper, two DWS exceedances of iron and two WFD exceedances of total ammonium as N. **Groundwater Exceedances:** WQS TPH Aliphatic and Aromatic (C_8 – C_{40}) with concentrations between 140 and 350 ug/l respectively. EQS exceedances of cadmium, manganese and zinc. DWS exceedances of manganese and sulphate. One detect of PFOS was also encountered within a sample obtained from 3L6106DS at a concentration of 0.085 ug/l, which is below the action threshold. Carbon dioxide exceeded long term WELs.	Moderate	Moderate / Low	Low	Low	Moderate	Low

[1] based on available analytical data (some requested chemical data not received to date), the risk classifications may change following additional data.
N/A not application as there is no identified receptor

6.6 Summary

The Phase 2 and Phase 3B/3C GI along Section L of the Proposed Development focussed on the identified PSCs on-Site (PSCs 440, 441 and 472 – BGS Made Ground, Crowd Hill Landfill both locations) principally located where open cut excavation is to take place.

Three trenchless crossing locations were also investigated: one proposed road crossing and two proposed watercourse crossings.

Based on the generic quantitative risk assessment, the following risks were determined:

- A High risk to construction, maintenance workers and future site users through the inhalation pathway can be considered applicable for soils within the vicinity of 2L6005SA due to the presence of asbestos within the footprint of the former Crowd Hill Landfill.
- For the remaining DoL within the footprint of Crowd Hill Landfill, where there is no asbestos present, a Moderate risk has been identified for impact to construction and maintenance workers and a Moderate / Low risk has been identified to adjacent land users due to recorded groundwater exceedances identified across the former Crowd Hill Landfill through dermal contact and ingestion pathways. A Moderate / Low risk has been identified for impact to ecological receptors based on the proximity of Crowd Hill Landfill to ancient woodland and the potential nature of the landfill material.
- A Moderate risk was identified for groundwater and surface waters due to the exceedances of the GAC at several GI locations for proposed trenchless crossings and by applying a conservative approach due to absence of soil leachate results.
- A Moderate risk has been identified at the remaining investigated locations for impact to construction, maintenance workers and future site users based on exceedances in groundwater and the findings of ground gas monitoring which showed carbon dioxide exceedances for short and long-term WELs and depleted oxygen levels.
- All other potential contaminant linkages were either identified as Low or Very Low.

7 Geotechnical Testing and Assessment

7.1 Geotechnical Testing and Assessment Summary Tables for Section L boreholes

The below **Table 7.1** shows the varying geotechnical tests per strata specific to Section L locations. Section L geotechnical testing is similar to adjacent Section K and Section M, that also encounter similar superficial deposits and bedrock. Results for boreholes in Section L and Section K are comparable regarding classification, SPT results, and geochemical testing results for superficial deposits (Alluvium, Head Deposits, River Terrace Deposits) and London Clay Formation. Possible Harwich Formation encountered in both Section L and Section K contains variable mixtures of clay, sand and gravel. As a consequence, the particle size distribution results differ.

Table 7.1: Geotechnical Testing and Assessment summary for Section L exploratory hole locations

Strata	Moisture (%)			Plasticity Index (%)			Particle Size Distribution (Average of values)		Triaxial Shear Strength, C_u (kPa)	SPT Results (uncorrected N value)			Uniaxial Compressive Strength, UCS (MPa)	Point Load Index Testing , PLT (MPa)	Compaction – Max Dry Density (Mg/m3) (Optimum Moisture content, %)		
Made Ground (MGR)	Min	Av	Max	Min	Av	Max	Particle Size	(%)	None	Min	Av	Max	Not Applicable	Not Applicable	Min	Av	Max
	17	24	36	12	17	21	Cobbles	0		None					None		
							Gravel:	46									
							Sand:	23									
							Silt:	27									
							Clay	4									
Total No. of tests	4			3			2		0	0			0	0	0		
Alluvium (ALV)	Min	Av	Max	Min	Av	Max	Particle Size	(%)	Min Av Max	Min	Av	Max	Not Applicable	Not Applicable	Min	Av	Max
	31	35	46	59	59	59	Cobbles	0							None		
							Gravel :	47									
							Sand :	13	51 61 71	0*	7	12					
							Silt :	23									
							Clay :	17									
Total No. of tests	3			1			1		2	4			0	0	0		
Head Deposits (HEAD)	Min	Av	Max	Min	Av	Max	Particle Size	(%)	Min Av Max	Min	Av	Max	Not Applicable	Not Applicable	Min	Av	Max
	33	33	33	40	40	40	Cobbles	0							None		
							Gravel :	38									
							Sand :	6	53 53 53	9	11	12					
							Silt :	29									
							Clay	27									
Total No. of tests	1		1				2		1	2			0	0	0		
River Terrace Deposits (RTD)	Min	Av	Max	Min	Av	Max	Particle Size	(%)	None	Min	Av	Max	Not Applicable	Not Applicable	Min	Av	Max
							Cobbles	3									
							Gravel :	75									

Strata	Moisture (%)			Plasticity Index (%)			Particle Size Distribution (Average of values)		Triaxial Shear Strength, C_u (kPa)			SPT Results (uncorrected N value)			Uniaxial Compressive Strength, UCS (MPa)			Point Load Index Testing , PLT (MPa)			Compaction – Max Dry Density (Mg/m3) (Optimum Moisture content, %)		
	1	22	10	10	17	32	Sand :	12				9	18	49**							None		
							Silt :	8															
							Clay :	2															
Total No. of tests	11			4 (plus 4 indicating non plastic)			13		0			7			0			0			0		
	Min	Av	Max	Min	Av	Max	Particle Size	(%)	Min	Av	Max	Min	Av	Max	Min	Av	Max	Min	Av	Max	Min	Av	Max
London Clay Formation (LC)	19	27	45	5	34	42	Cobbles	0	67	108	300	8	17	50	0.07	0.16	0.34	0.05	0.05	0.05	1.49 (26)	1.50 (27)	1.50 (28)
							Gravel :	13															
							Sand :	9															
							Silt :	44															
							Clay :	34															
Total No. of tests	68			40			9		27			37			25			1 set of 10 determinations			2		
	Min	Av	Max	Min	Av	Max						Min	Av	Max	Min	Av	Max	Min	Av	Max	Min	Av	Max
Possible Harwich Formation (HWH)	20	21.6	23	22	23	23	None		None			50 (50 blows for 220 mm penetration – refusal not full 450 mm penetration)			0.26	0.26	0.26	0.03	0.03	0.03	None		
Total No. of tests	3			3			0		0			1			1			1			0		
	Min	Av	Max	Min	Av	Max	Particle Size	(%)	Min	Av	Max	Min***	Av***	Max***	Min	Av	Max	Min	Av	Max	Min	Av	Max
Lambeth Group (LMBE)	10	19	26	17	32	40	Cobbles	0				11	22	50+	0.11	0.17	0.32	0.03	0.03	0.03	None		
							Gravel :	0															
							Sand :	77	130	293	510												
							Fines (Silt+Clay)	23															
Total No. of tests	17			11			2		6			13			5			1 set of 10 determinations			0		

*In Alluvium, one recorded SPT N value of 0 was encountered at 2L6008DR at 1.20 m bgl as a result of the SPT rod dropping under self-weight.
**In River Terrace Deposits, A recorded SPT N value of 49 (dense) was encountered at BH501 at 2.2 m bgl as a result of the SPT rod attempting to push through coarse gravel. Within BH501, at 1.2 m there was a SPT N value of 12 (medium dense) and following on from 2.2 m, the subsequent SPT at 3.2m, recorded a SPT N value of 17 (medium dense).
*** Lambeth Group encountered 2 No. SPT test results, 1 No. test result with 50 blows with a full penetration (450 mm) with the other 1 No. test result due to a refusal of 50 blows (50 from 185 mm penetration).

Table 7.2: Additional Geochemical Testing

Geology	BRE SD1 values[1]			
Made Ground (MGR)	Test type	Min	Max	Characteristic Value
	Water soluble SO4 (mg/l)	Below limit of detection	43	< 500
	Acid soluble SO4 (%)	0.08	0.1	0.1
	Total Sulphur (%)	0.03	0.05	0.05
	Total Potential Sulphate (%)	0.09	0.15	< 0.24
	pH	5.8	9.09	5.8
No. Tests	3			
Alluvium (ALV)	Test type	None		
	Water soluble SO4 (mg/l)			
	Acid soluble SO4 (%)			
	Total Sulphur (%)			
	Total Potential Sulphate (%)			
	pH			
No. Tests	0			
Head Deposits	Test type	None		
	Water soluble SO4 (mg/l)			
	Acid soluble SO4 (%)			
	Total Sulphur (%)			
	Total Potential Sulphate (%)			
	pH			
No. Tests	0			
River Terrace Deposits (RTD)	Test type	Min	Max	Characteristic Value
	Water soluble SO4 (mg/l)	Below limit of detection	30	< 500
	Acid soluble SO4 (%)	0.01	0.07	0.07

Geology	BRE SD1 values[1]			
	Total Sulphur (%)	Below limit of detection	0.06	0.06
	Total Potential Sulphate (%)	Below limit of detection	0.18	< 0.24
	pH	6.4	8.7	6.4
No. Tests	4			
London Clay Formation (LC)	Test type	Min	Max	Characteristic Value
	Water soluble SO4 (mg/l)	10	980	820
	Acid soluble SO4 (%)	Below limit of detection	2.01	2.01
	Total Sulphur (%)	0.01	0.71	0.66
	Total Potential Sulphate (%)	Below limit of detection	2.13	1.96
	pH	7.56	8.7	7.7
No. Tests	17			
Harwich Formation	Test type	Min	Max	Characteristic Value
	Water soluble SO4 (mg/l)	480	480	<500
	Acid soluble SO4 (%)	0.12	0.12	0.12
	Total Sulphur (%)	0.76	0.76	0.76
	Total Potential Sulphate (%)	2.28	2.28	2.28
	pH	8.2	8.2	8.2
No. Tests	1			
Lambeth Group	Test type	Min	Max	Characteristic Value
	Water soluble SO4 (mg/l)	Below limit of detection	1200	640
	Acid soluble SO4 (%)	0.02	0.26	0.26
	Total Sulphur (%)	Below limit of detection	0.65	0.36
	Total Potential Sulphate (%)	Below limit of detection	1.95	1.2
	pH	7.7	9.1	8.1
No. Tests	7			

[1] Total Potential Sulphate is calculated from section *C5.1.2* (BRE, 2005)

Table 7.3: Additional Geochemical / Geotechnical Testing

	Geochemical / Geotechnical property			
Geology	**Hand Vane Undrained Shear Strength, C_u (kPa)**	**Mass Loss on Ignition (%)**	**Organic Matter Content (%)**	**Linear (Bulk) Density (kg/m3)**
Made Ground (MGR)	None	None	None	1.78 (1 test)
Alluvium (ALV)	34 – 60 (6 tests)Average: 47	0.19 - 4 (2 tests) Average: 2.1	0 – 0.83 (3 tests) Average: 0.28	None
Head Deposits (HEAD)	43 – 72 (10 tests) Average: 55	None	0 (1 test)	1.78 – 1.89 (2 tests)
River Terrace Deposits (RTD)	None	3.3 – 3.4 (2 tests) Average: 3.35	0.43 (1 test)	None
London Clay Formation (LC)	34 – 101 (34 tests) Average: 64	4.1 – 5.0 (3 tests) Average: 4.5	0.7 – 0.83 (2 tests) Average: 0.77	1.78 – 2.16 (33 tests) Average = 1.99
Harwich Formation (HWH)	None			
Lambeth Group (LMBE)	None	None	0 – 0.72 (2 tests) Average: 0.36	None

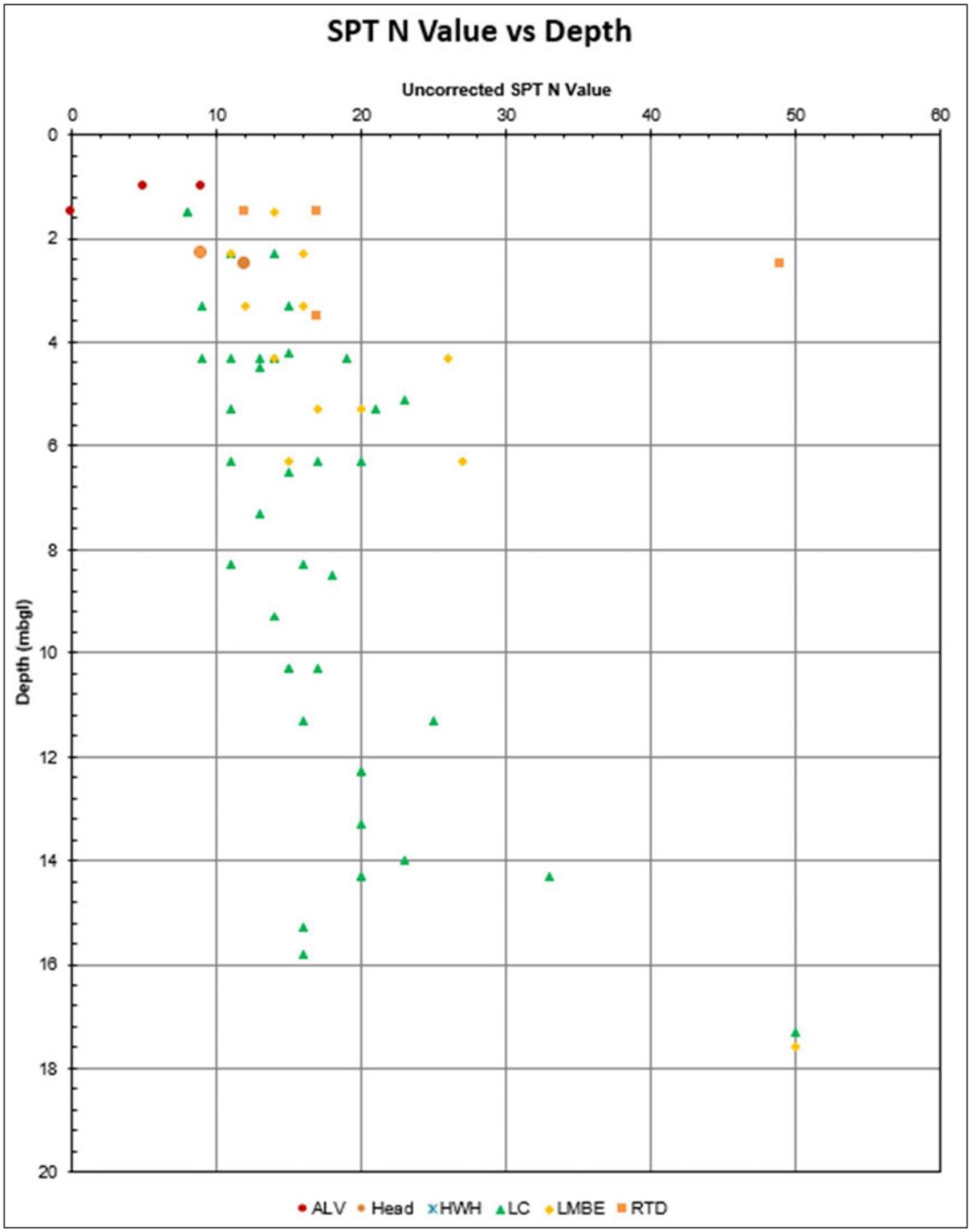
Table 7.4: Oedometer Effective Stress Testing BH501

Geology	Depth (m bgl)	Initial Voids ratio	Applied Pressure at Stage End (kPa)	Coefficient of Consolidation Log Time ($t_{50,log}$) m^2/yr	Volume Compressibility coefficient, M_v (m^2/MN)	Start Voids Ratio	End Voids Ratio
London Clay Formation (LC)	9.2	0.6	105 – 840 (8 stages)	Varied per stage range: between 0.26 – 5.7 (8 stages)	Varied per stage range: between 0.04 – 0.1 (8 stages)	Varied per stage range: between 0.54 – 0.6	Varied per stage range: between 0.51 – 0.59
Lambeth Group (Reading Formation)	20.92	0.37	225 – 1800 (8 stages)	Varied per stage range: between 0.52 – 2.5 (8 stages)	Varied per stage range: between 0.01 – 1.2 (8 stages)	Varied per stage range: between 0.26 – 0.37 (8 stages)	Varied per stage range: between 0.23 – 0.33 (8 stages)
Lambeth Group (Reading Formation)	32.87	0.24	345 – 2760 (8 stages)	Coefficient of consolidation root time Varied between stage range: between 3.1 - 35	Varied per stage range: between 0 – 0.06 (8 stages)	Varied per stage range: between 0.20 – 0.24 (8 stages)	Varied per stage range: between 0.18 – 0.22 (8 stages)

7.2 Standard Penetration Test (SPT) vs Depth Relationship

Graph 7.1 does not show enough values to define a clear relationship between SPT N value vs depth for Alluvium, River Terrace Deposits and Harwich Formation. London Clay Formation and Lambeth Group show an increase in SPT N value with depth.

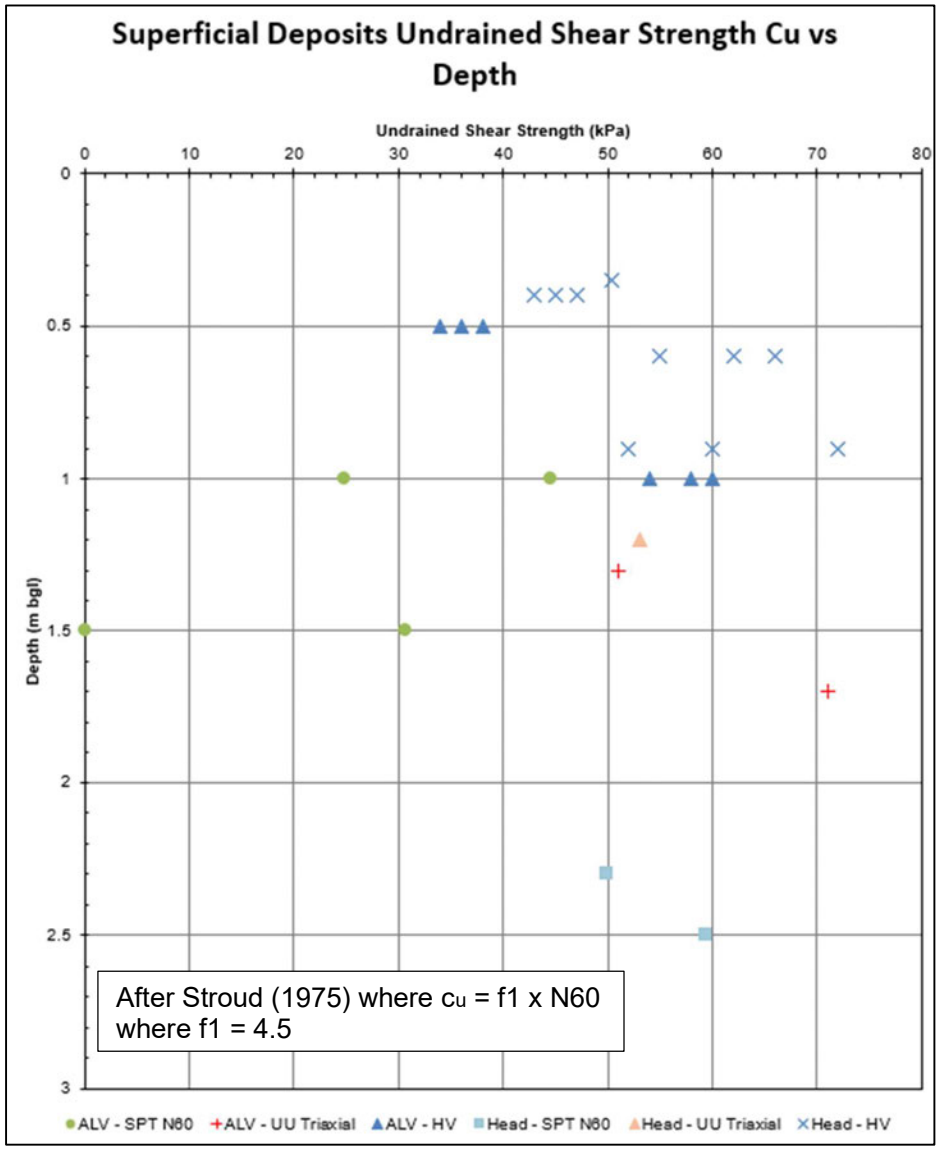
Figure 7.1 Uncorrected SPT vs Depth per strata across Section L boreholes



7.3 Undrained Shear Strength Cu vs Depth Relationship

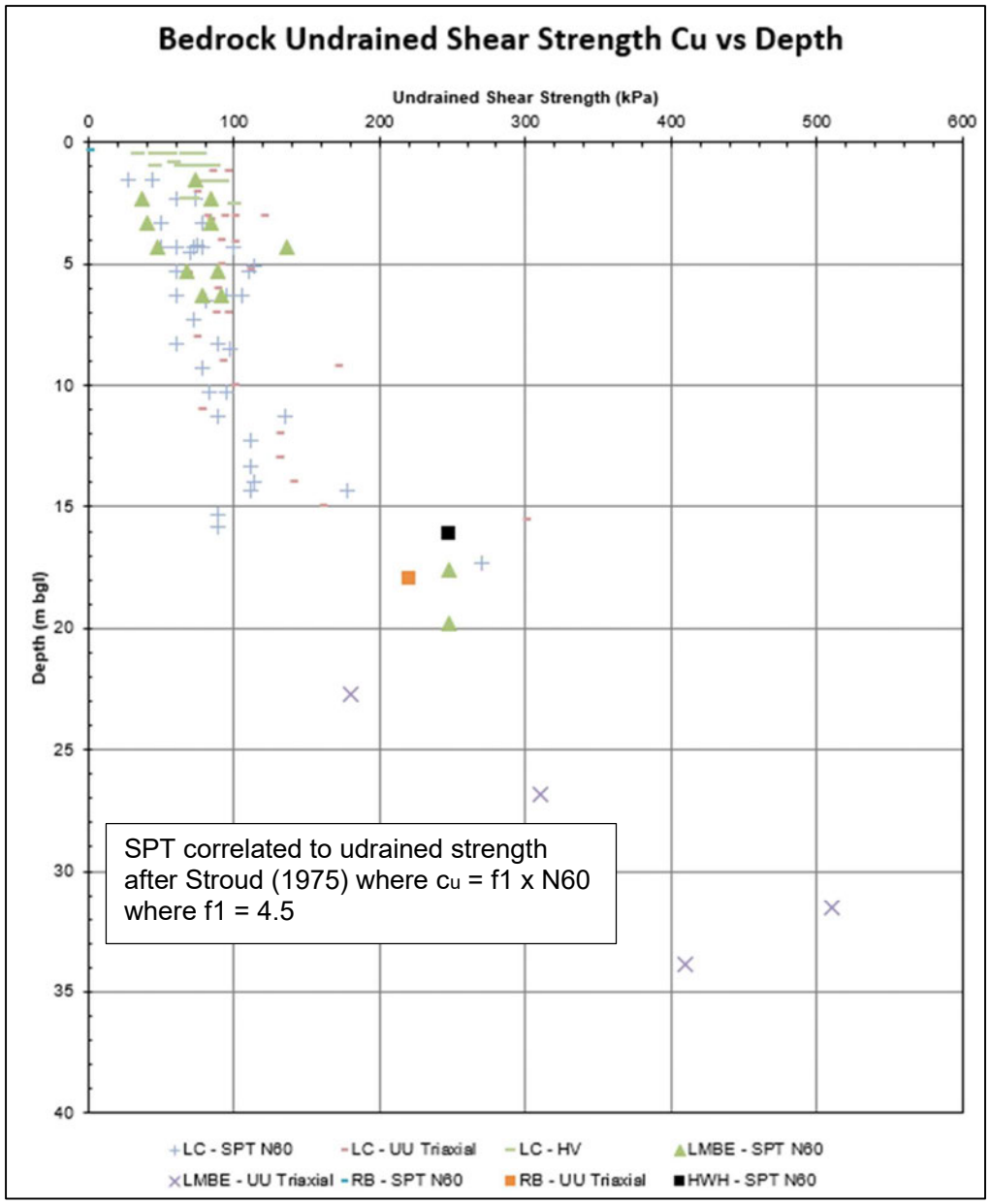
Graph 7.2 shows undrained shear strength vs depth for Superficial Deposits cohesive strata (based on corrected SPT N60 correlated to undrained shear strength using a factor of 4.5, and unconsolidated undrained (UU) triaxial tests). Alluvium and Head Deposits show an increase in strength with depth.

Graph 7.2 Undrained Shear Strength C_u vs Depth Relationship for Superficial Deposits



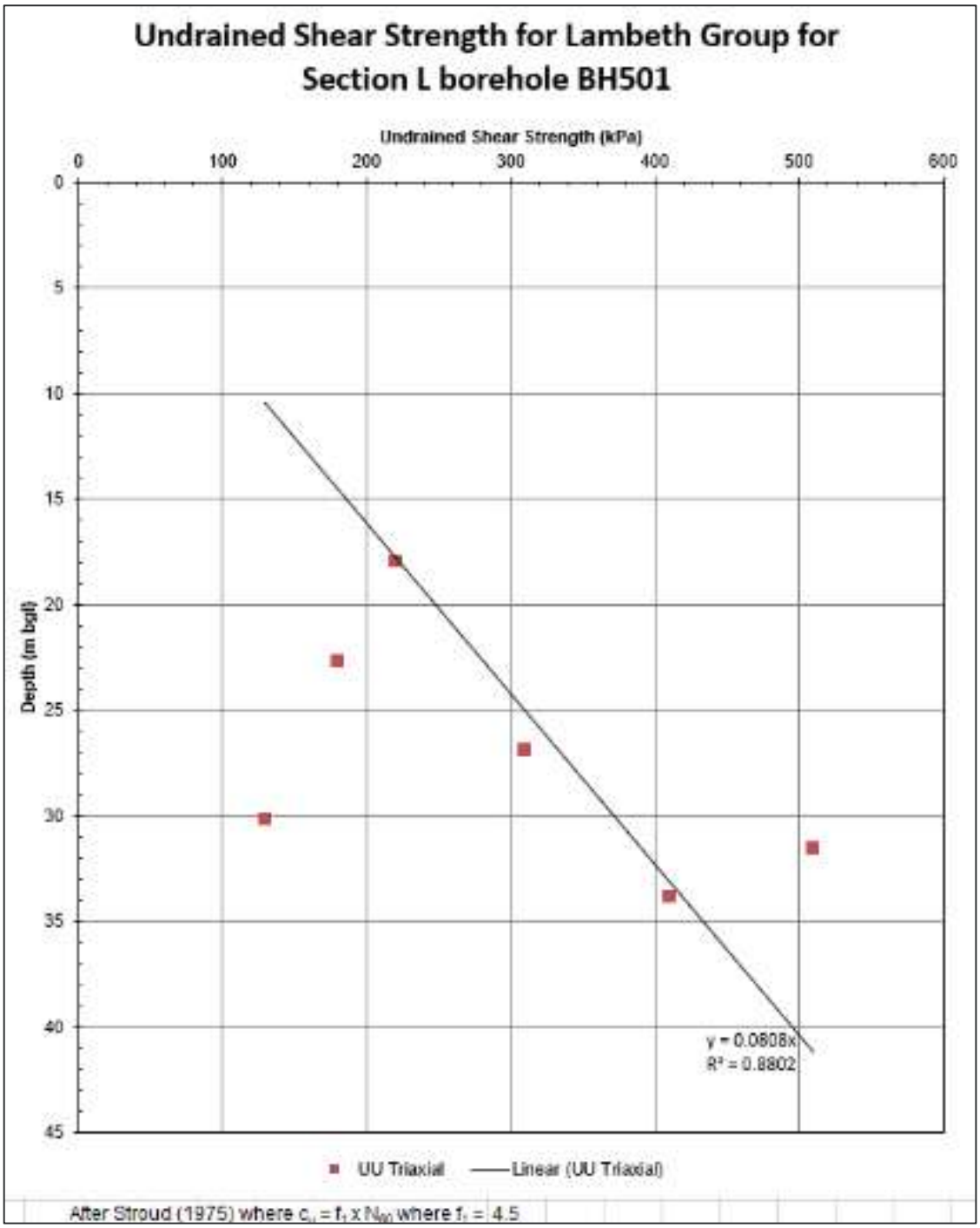
Graph 7.3 shows undrained shear strength for bedrock. London Clay Formation, Harwich Formation and Lambeth Group (based on corrected SPT N60 correlated to undrained shear strength using a factor of 4.5, and unconsolidated undrained (UU) triaxial tests) and shows a clear relationship between undrained shear strength and depth, increasing approximately linearly with depth. Both Harwich Formation (HWH) and Lambeth Group (LMBE) mirror Figure 7.1 between 16.0 – 20.0 m.

Graph 7.3 Undrained Shear Strength C_u vs Depth Relationship for Bedrock



Graph 7.4 shows the Cu vs depth relationship for BH501 where trenchless construction is estimated to be approximately 33 m bgl. There were only triaxial tests undertaken within Lambeth Group strata (no SPTs) between 17.95 m – 33.86 m for BH501, which is shown below in addition to **Graph 7.2** above.

Graph 7.4 Undrained Shear Strength C_u (trial axial compression tests) vs Depth Relationship for Section L borehole BH501

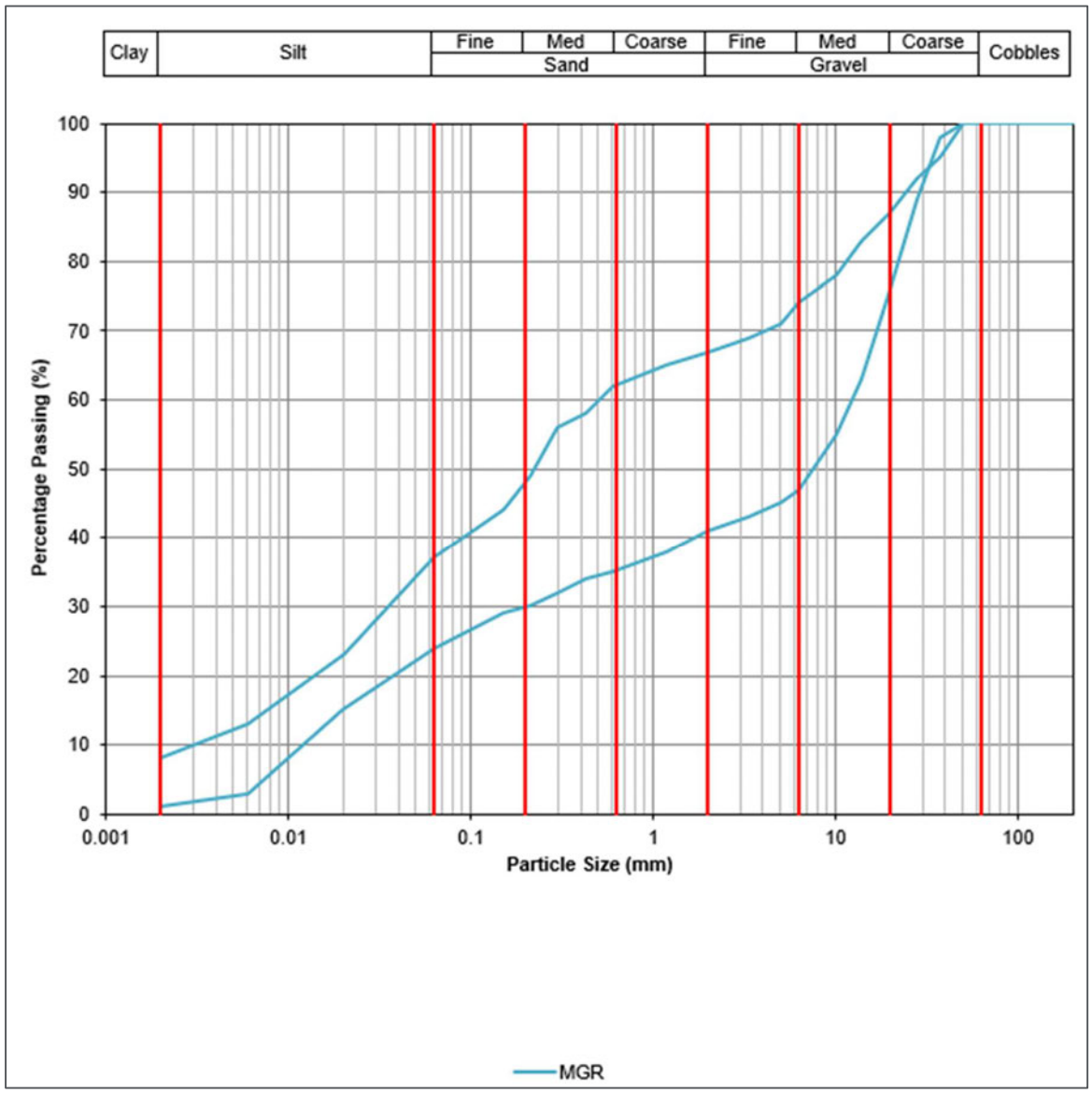


7.4 Particle Size Distribution for Section L boreholes

7.4.1 Made Ground

Although the PSD suggests a potentially granular material in **Graph 7.5**, this does not align with engineering log descriptions which suggest the soil will behave more as a fine-grained material.

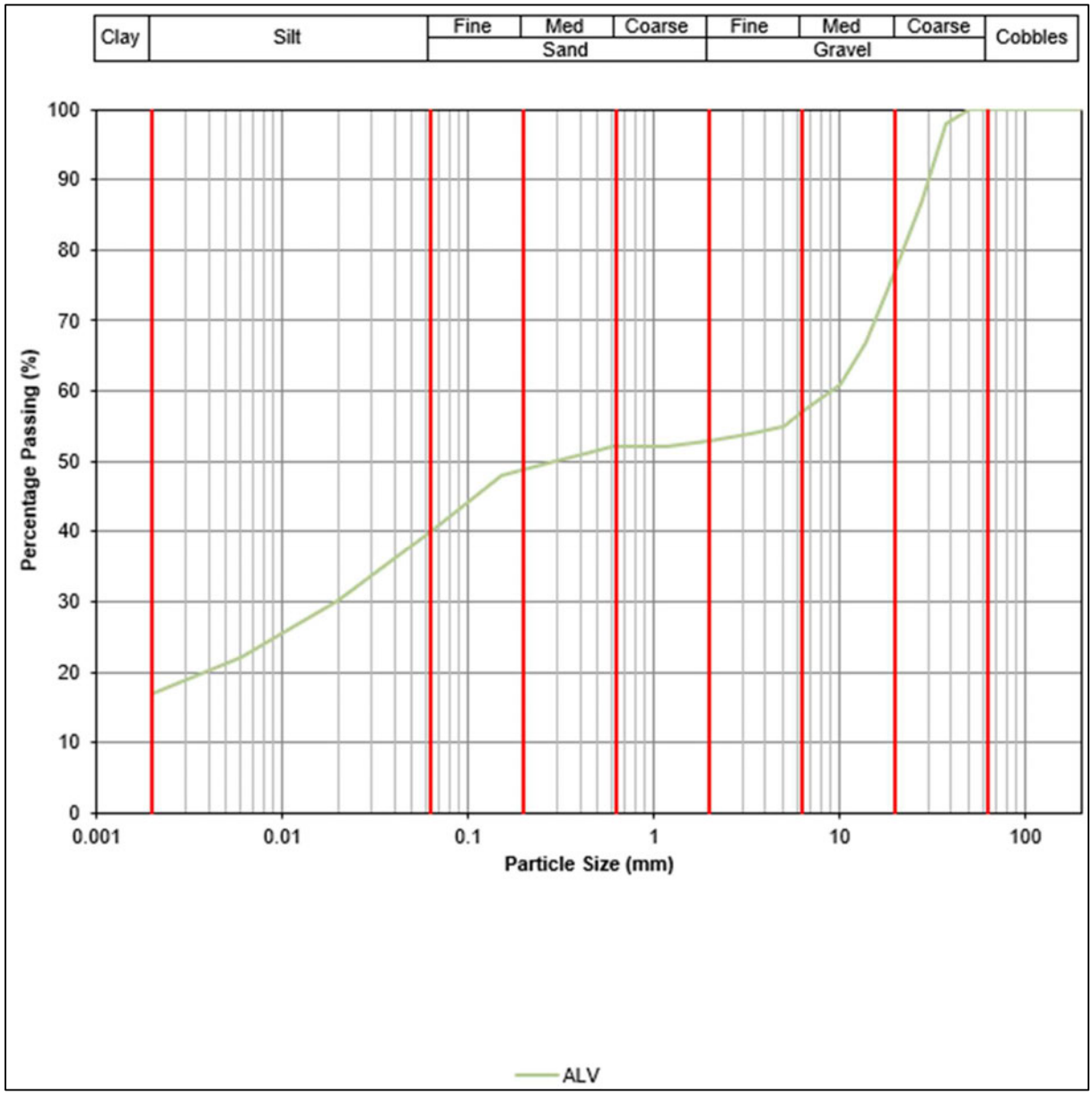
Graph 7.5 Particle Size Distribution for Made Ground across Section L exploratory hole locations



7.4.2 Alluvium

Graph 7.6 shows the Alluvium PSD plot to be predominantly composed of sand and gravel, not fully consistent with soil descriptions listed in **Table 4.1, 4.2, 4.3 and 4.4** as a cohesive clay soil across 4No. boreholes within Section L. When logging to BS5930:2020, the standard defines a soil as fine or coarse based on whether it sticks together when wet (which with 40% fines is possible), a description of slightly sandy very gravelly silt/clay would be expected as per the PSD plot shown below in **Graph 7.6**. However, this plot is based only 1 bulk sample from 2L6007DR at 0.6 m bgl. More samples within Alluvium should have classification testing to confirm the cohesive designation as outlined in the soil descriptions.

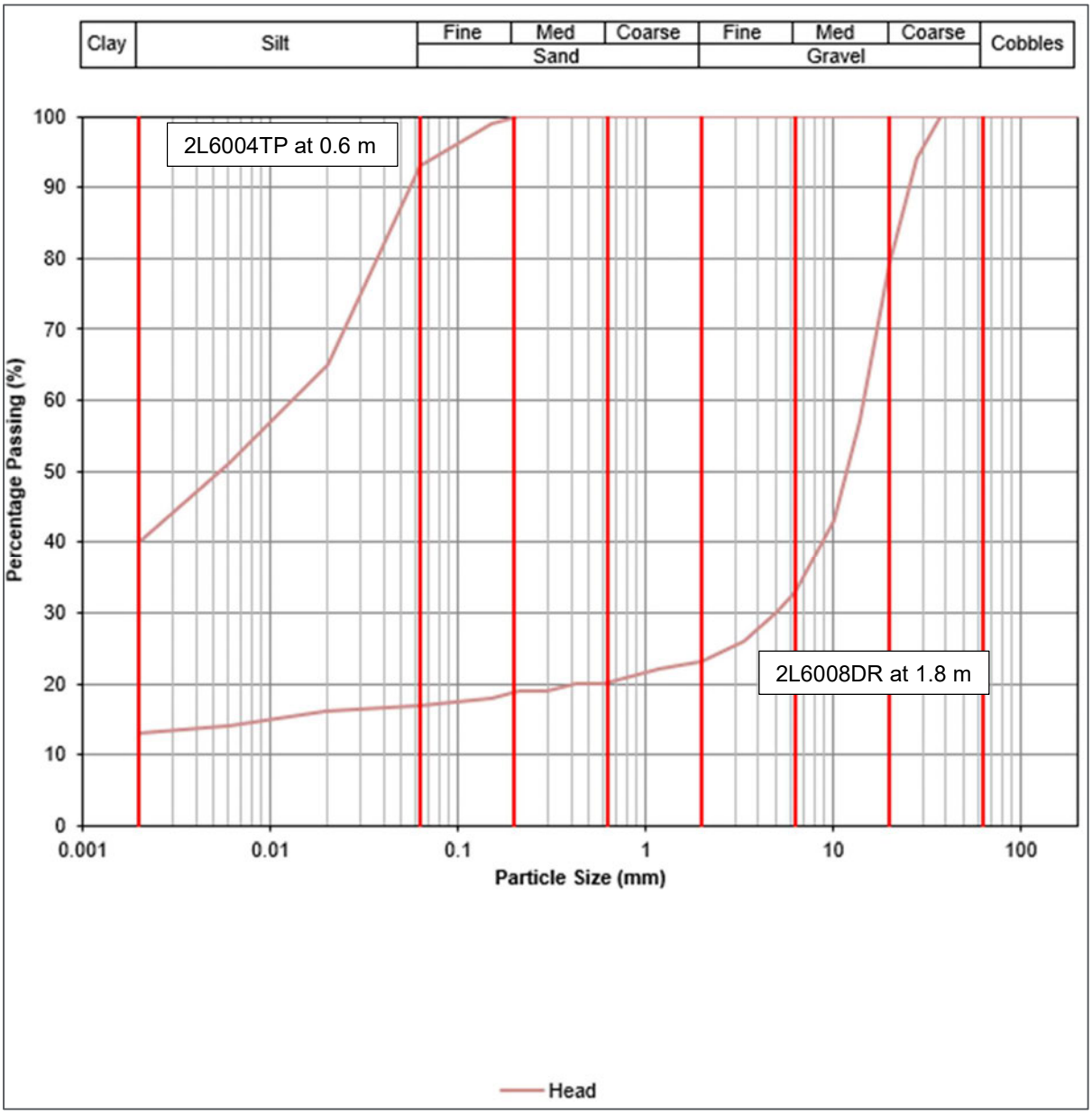
Graph 7.6 Particle Size Distribution for Alluvium across Section L exploratory hole locations



7.4.3 Head Deposits

The PSD plots below for Head Deposits in **Graph 7.7** show some consistency with the soil description in **Table 4.1, 4.2, 4.3 and 4.4 -** a slightly sandy clay - similar to 4No. locations is shown by 2L6004TP at 0.6 m and 2L6008DR at 1.8 m which shows a granular soil (silty sandy gravel). Head Deposits is inherently a variable material, and that perhaps some of this is River Terrace Deposits given the similar grading in the graph below. It is recommended that further classification testing takes place to confirm the validity of the soil descriptions.

Graph 7.7 Particle Size Distribution for Head Deposits across Section L exploratory hole locations

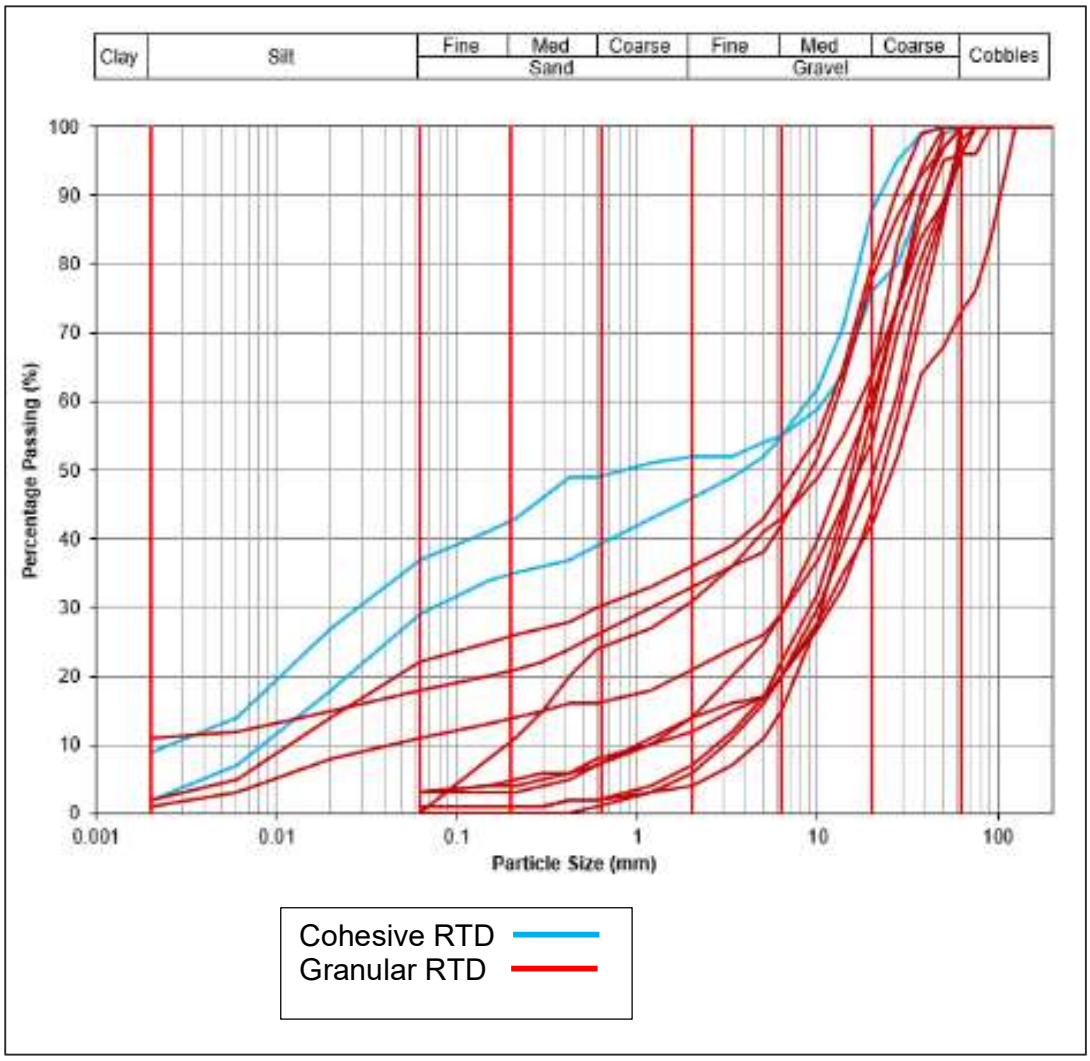


7.4.4 River Terrace Deposits

Graph 7.8 shows PSD plots for granular and cohesive River Terrace Deposits for Section L boreholes that are consistent with the soil descriptions in **Table 4.1, 4.2, 4.3 and 4.4**. The cohesive PSD plots in blue are for TP503 at 0.3 m, which is described as soft clay with cobbles and 2L6012SR, which is described as gravelly clayey fine to coarse Sand at 0.15 m (noted on the log as Head Deposits though due to geological mapping it is thought that the material is better designated River Terrace Deposits).

River Terrace Deposits are generally described as sandy clayey gravel, these materials are depicted by the red lines across in **Graph 7.8** (Granular River Terrace Deposits). The PSD results note a variable fines content within the granular River Terrace Deposits ranging between 0 and 22%. Some River Terrace Deposit horizons do contain lenses of clay and silt in addition to granular material (1st and 3rd Terraces) and it is considered that these are the probable source of this fine material. Granular River Terrace Deposits showed cohesive material greater than 20% passing through clay and silt grain size fractions.

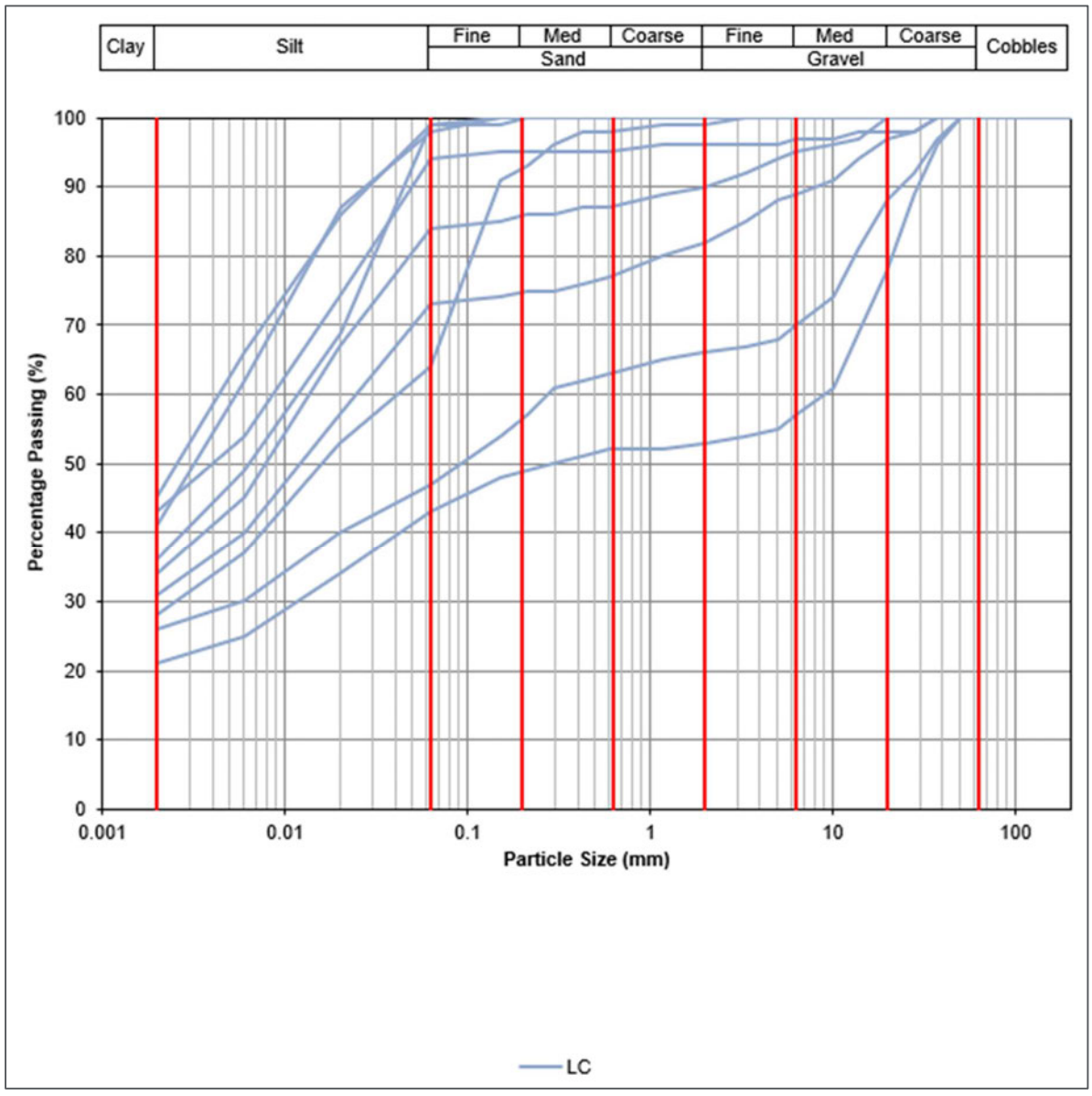
Graph 7.8 Particle Size Distribution for River Terrace Deposits (RTD) across Section L exploratory hole locations



7.4.5 London Clay Formation

Graph 7.9 shows PSD plots for London Clay Formation, that are consistent with the exploratory hole logs for Section L, showing a predominantly clay/silt, locally slightly sandy and/or slightly gravelly.

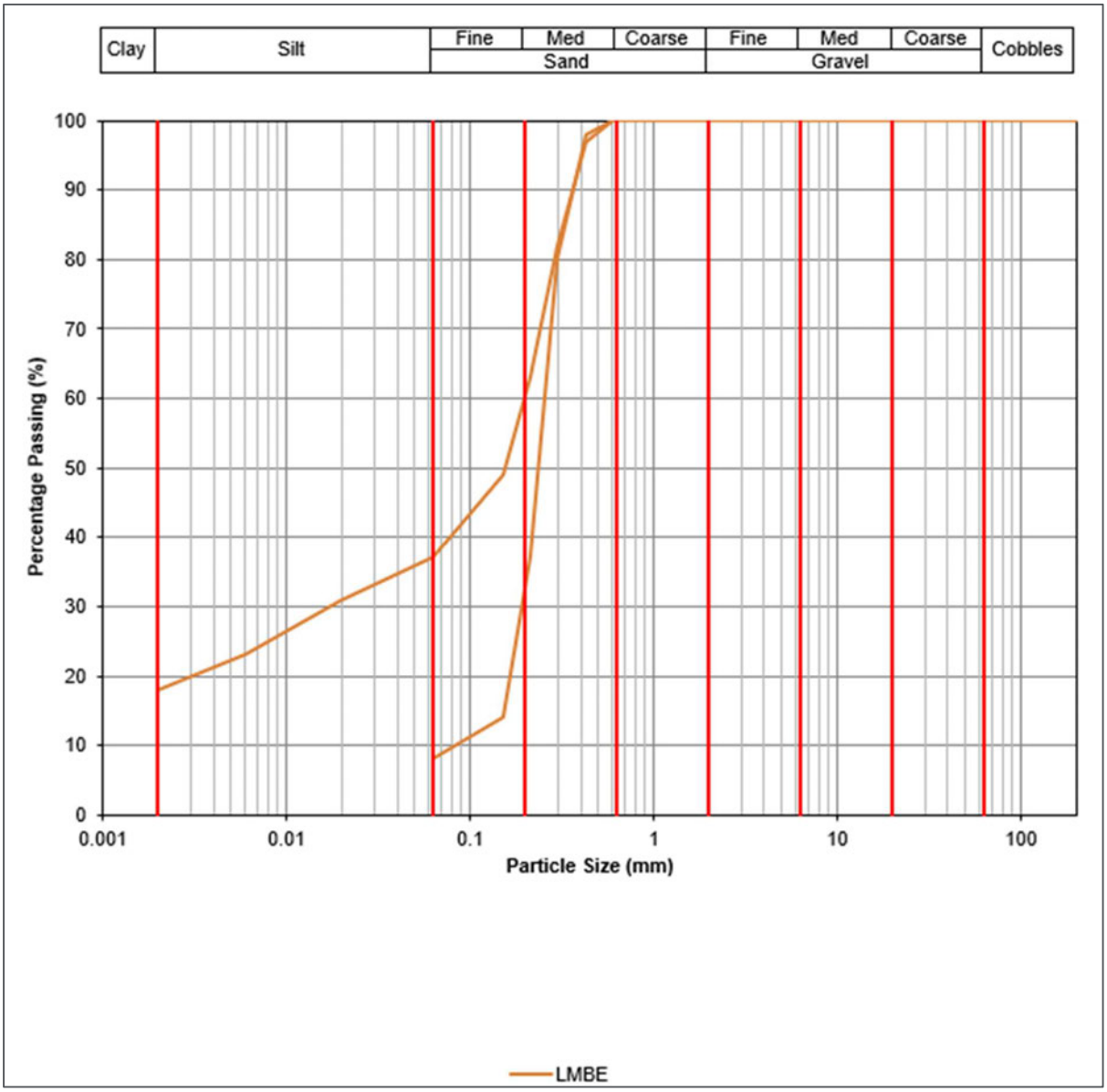
Graph 7.9 Particle Size Distribution for London Clay Formation across Section L exploratory hole locations



7.4.6 Lambeth Group

Graph 7.10 shows a PSD plot for Lambeth Group that is consistent with the exploratory hole logs for Section L showing a fine to medium sand description, although some logs do show a more cohesive material. Lambeth Group is also variable so can also be cohesive though only 1 sample was tested at 2L6011SR at 16.3 m, which is below the depth of trenchless construction. More classification testing is recommended for Section L.

Graph 7.10 Particle Size Distribution for Lambeth Group across Section L exploratory hole locations

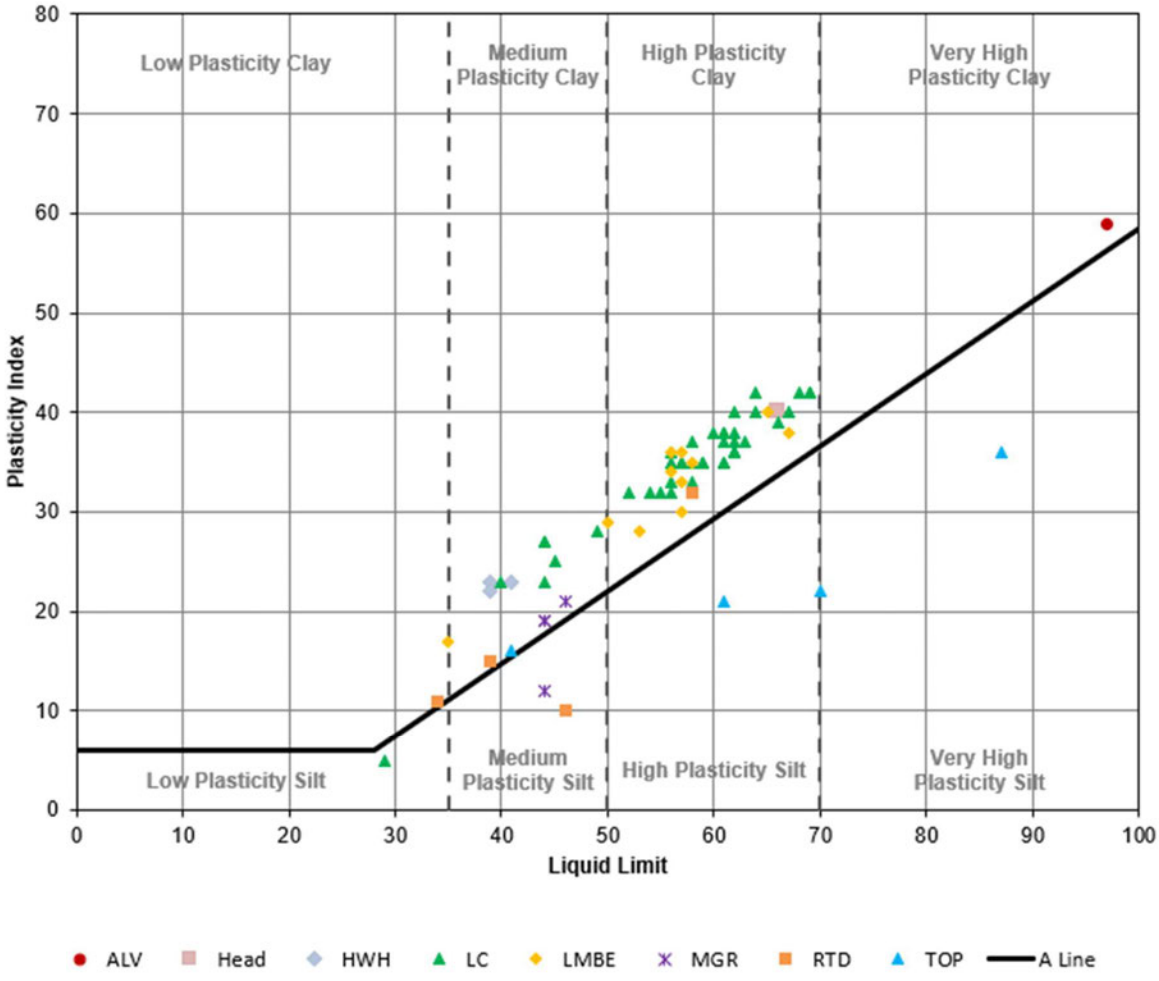


7.5 Plasticity for Section L boreholes

Graph 7.11. shows Made Ground (MGR) has three plasticity index results from 12 – 19% varying between a medium plasticity silt and medium plasticity clay. Alluvium (ALV) shows a high plasticity clay (59%) and high liquid limit (LL) of 97 % exceeding other PI and LL values across the pipeline. This may be a result of potential highly organic material in the top 0.4 m bgl at 2L6008DR within 30 m of the Bow Lake linear watercourse. River Terrace Deposits (RTD) show 4 No. results varying between low to high plasticity clay and one result of medium plasticity silt. Head Deposits (HEAD) show 1 No. plasticity index result as a high plasticity clay (40%).

London Clay Formation is the most variable from low plasticity silt (an outlier) to high plasticity clay though is most commonly a high plasticity clay with plasticity index (PI) ranging between 32 – 42%. One outlier data point showing London Clay with a low plasticity silt (Plasticity Index of 5 % and Liquid Limit of 29 %) was at 2L6003SA at 8.5 m bgl possibly due to the interbedded mudstone / claystone at that approximate depth. Harwich Formation (HWH) is within the intermediate plasticity range. Lambeth Group (LMBE) varies between intermediate and high plasticity clay (17 – 40%).

Graph 7.11 Plasticity across Section L exploratory hole locations



7.6 Geotechnical Design Parameters for Section L boreholes

Based on the soil descriptions and results obtained from the in-situ and laboratory tests, the characteristic values for each stratum have been derived and are shown in **Table 7.5.**

Table 7.5: Geotechnical Design Parameters for Section L

Geotechnical Design Parameters										
Strata	**Native Soil Modulus, E'_3 (MN/m^2) [a]**	**Elastic Modulus E_u [b2]**	**Bulk density, γ (kN/m^3) [c]**	**Constant volume angle of shearing resistance, φ (°) [c]**	**Undrained Shear Strength, C_u (kPa) [b1]**	**Coefficient of Volume Compressibility, m_v (m^2/MN) [b1]**	**Uniaxial Compressive Strength (MPa)**	**Concrete Aggressivity [d]**	**Earthworks [b2]**	**From PSD results Embedment class with 'as-dug' soils [e]**
Made Ground	Soft clay: 1.5	Short Term: 2 MPa Long Term: 1 MPa	15 – 19	Based on 2 plasticity results of 17%, φ = 27°	20	0.3	Not Applicable	DS-1 AC-2z	1 V : 2 H	Variable – unsuitable for re-use
Alluvium (ALV)	Soft clay: 1.5	Short Term: 2 MPa Long Term: 1 MPa	15 – 19	Based on 1 plasticity result of 59%, φ = 20°	20	0.3	Not Applicable	Not available for Section L from other sections G and M : DS-1 AC-1	1 V : 3 H	Fine grained, liquid limit > 50%. Unsuitable for re-use
Head Deposits (HEAD)	Firm clay: 3	Short Term: 5 MPa Long Term: 4 MPa	16 – 20	Based on 1 plasticity result of 40%, φ = 22°	40	0.1	Not Applicable	DS-1 AC-1	1 V : 2.5 – 3 H	Fine grained, liquid limit > 50% and more than 50% fines. Unsuitable for re-use
River Terrace Deposits (RTD)	Medium dense gravel : 9 And Soft gravelly clay : 1.5	Medium dense gravel: 50 MPa Soft Clay Short Term: 2 MPa Long Term: 1 MPa	15 – 21	Based on 1 plasticity result of 32%, φ = 23° Medium dense gravel : φ = 34°	For soft clay: 20	Soft clay: 0.3	Not Applicable	DS-1 AC-1	1 V : 2.5 H	Potentially selected material suitable as S3 bedding – subject to further classification testing including liquid limit and PSD.
London Clay Formation (LC)	Soft clay:1.5 And Firm to very stiff clay: 6	Soft clay: Short Term: 2 MPa Long Term: 1 MPa Firm to very stiff clay: Short Term: 5 MPa Long Term: 4 MPa	Soft clay: 15 – 19 Firm to very stiff clay: 18 – 23	Based on average plasticity result of 34%, φ = 23°	Soft clay: 20 Firm to very stiff clay: 75	Soft clay: 0.3 Firm to very stiff clay: 0.1	0.07 – 0.34	DS-4 AC-4	1 V: 2.5 H	Fine grained, liquid Limit > 50% with < 25% fines. Unsuitable for re-use
Harwich Formation (HWH)	Stiff clay: 4 And Dense sand : 9	<u>Stiff clay</u> Short Term: 10 MPa Long Term: 7 MPa <u>Dense sand</u> 25 MPa	18 – 22	Based on average plasticity result of 23%, φ = 25°	<u>Stiff clay</u> 75	<u>Stiff clay:</u> 0.05	0.26	DS-4 AC-4	1 V : 2 H	Potentially selected material suitable as S4 bedding – subject to further classification testing including liquid limit and PSD. No PSD results in Section K. In Section H at 18.65m bgl, S4 was advised. Coarse grained soil with more than 12% fines

Geotechnical Design Parameters										
Strata	**Native Soil Modulus, E'_3 (MN/m^2) [a]**	**Elastic Modulus E_u [b2]**	**Bulk density, γ (kN/m^3) [c]**	**Constant volume angle of shearing resistance, φ (°) [c]**	**Undrained Shear Strength, C_u (kPa) [b1]**	**Coefficient of Volume Compressibility, m_v (m^2/MN) [b1]**	**Uniaxial Compressive Strength (MPa)**	**Concrete Aggressivity [d]**	**Earthworks [b2]**	**From PSD results Embedment class with 'as-dug' soils [e]**
Lambeth Group (LMBE)	Very stiff clay : 6 Very dense sand : 15	Very stiff clay Short Term: 25 MPa Long Term: 15 MPa Very dense sand 40 MPa	19 – 23	Based on average plasticity result of 26%, φ = 24°	Very stiff clay 150	Very stiff clay: <0.05	0.11 – 0.32	DS-3 AC-3	1 V : 2 – 2.5 H	Liquid limit >50, high plasticity. Unsuitable for reuse.

[a] (BSI, 2020) Table 13
[b1] (Tomlinson, 2001) Table 2.5,Table 2.11, Figure 2.33, Section 2.6.6
[b2] (Look, 2007) Table 11.7, Table 11.8, Figure 14.1, Table 14.10
[c] (BSI, 2015) Figure 2 and Section 4.3.1.4.8
[d] (BRE, 2005) Table C1
[e] (BSI, 2020) Table 24
Table 24 of BS9295:2020 corresponds to Table A.3 from the Water Industry Specification for Bedding and Side fill Materials for buried pipelines WIS 4-08-02 February 1994: Issue 1 document.

7.7 Resistivity Testing

In situ apparent resistivity testing was undertaken at four locations, the results are presented in **Table 7.6**

Table 7.6: Electrical Resistivity Results for Section LF

Hole ID	Electrode Spacing (m)			
	4.0m	3.0	2.0	1.0
	Apparent Resistivity (mean) (Ω.m)			
3L6017HP	9	12	10	7
3L6023HP	7	8	10	12
3L6024HP	7	7	8	12
3L6026HP	9	10	11	15
3L6028HP	7	7	9	10
3L6029HP	14	15	16	18
3L6100HP	10	12	16	26
3L6102HP	13	19	16	10
3L6105HP	7	8	9	11

7.8 Permeability Testing

Falling head permeability testing was undertaken at borehole 2L6011SR. The results are presented in **Table 7.7**.

Table 7.7: Falling head permeability testing results.

BH ID	Depth of Test (m bgl)	Test Type	Borehole / Standpipe	Permeability (k)	Strata
2L6011SR	1.00 – 5.00	Falling Head Permeability	Standpipe	3.1×10^{-8}	River Terrace Deposits & London Clay Formation

8 Geotechnical Considerations

8.1 Ground Conditions

The ground conditions recorded are generally in line with geological mapping for the area.

London Clay was mapped extensively at ground level across Section L, this was confirmed at 2L6001TP, 2L6003SA, 3L6013HP, 3L6015HP, 3L6017HP, 3L6023HP, 3L6024HP-B, 3L6028HP, 3L6029HP, 3L6044HP, 3L6100HP, 3L6101DS, 3L6102HP, 3L6103HP, 3L6104HP, 3L6105HP. At 3L6026HP Alluvium was mapped at ground level but London Clay was encountered on site in the borehole.

Made Ground was encountered at many unmapped locations but at the sites of PSCs as highlighted by the desk study, these were 2L6000TP, 2L6002SA, 2L6004TP, 3L6027HP, 3L6106DS, 3L6107DS. Made Ground was also encountered where no PSCs had been identified at 2L6009DR with Alluvium underlying it. 2L6005SA and 2L6006TP had Made Ground and Head Deposits overlying London Clay where London Clay had been mapped at ground level. At 3L6045HP Made Ground encountered where River Terrace Deposits was mapped, with London Clay underlying the Made Ground. At TP501 and 3L6046HP Made Ground was at the surface overlying River Terrace Deposits, which were mapped at the surface.

2L6007DR, 2L6008DR, 2L6010DR aligned with mapping, with Alluvium at ground level, while 2L6011SR encountered alluvium where River Terrace Deposits were mapped.

BH501, TP502, TP503, 2L6012SR aligns with mapped River Terrace Deposits.

Made Ground is more extensive across Section L than was suggested by the geological mapping, comprising soft brown sandy slightly gravelly.

Superficial deposits noted within the boreholes comprise a mixture of:

- Soft mottled brown grey slightly fine sandy gravelly clay (Alluvium) to 3.90 m bgl.
- Soft brown very gravelly clay with medium cobble content or medium dense brownish black slightly sandy clayey gravel (River Terrace Deposits) to 3.60 m bgl.
- Soft locally firm orangish brown sandy gravelly clay (Head Deposits) to 2.75 m bgl.

Bedrock deposits noted in boreholes comprise a mixture of:

- London Clay Formation noted as firm to locally very stiff laminated locally fissured brownish grey locally sandy clay locally with shell fragments and silt/sand lenses. A band of approximately 0.05 – 0.30 m, locally fragmented up to 0.50 m, thickness of medium strong to strong dark brown claystone is commonly encountered between 4.20 m – 15.70 m bgl. Where not shown on the borehole log 2L6002SA, 2L6005SA and 2L6012SR, it is also expected to be encountered in that area.
- Harwich Formation composed of a mixture of stiff grey sandy clay and medium dense to dense green and black glauconitic locally micaceous sand across boreholes 2L6008DR, 2L6011SR and 2L6012SR.
- Lambeth Group is encountered between 14.40 m bgl to >20 m bgl in 2L6007DR, 2L6008DR, 2L6010DR, 2L6011SR, 2L6012SR and BH501 from Phase 1 ground investigation (to 42.05 m bgl in BH501) though only the top 33 m is being considered relevant at BH501. Phase 3B/3C investigations 3L6101DS and 3L6107DS encountered Lambeth Group as shallow as 0.35 m bgl. Lambeth Group comprises stiff to very stiff locally fissured bluish grey mottled yellowish brown and multicoloured locally sandy clay in addition to grey and speckled black fine and medium sand with occasional pockets of decomposed organic material (30 mm x 15 mm) and progressively more lignitic material with increasing depth.
- Additionally, within the Lambeth Group, at 2L6011SR from 17.10 – 18.60 m locally cemented medium spaced strong to very strong nodules/concretions typical of Lower Mottled Beds subdivision (60 mm x

100 mm) were noted. Published literature also refers to these bands as duricrusts, which are cements within the Lambeth Group within the Lower Mottled Beds subdivision, a deposit that can cause difficulties in excavation (Hight et al. , 2004).

Alluvium, River Terrace Deposits, London Clay Formation and Lambeth Group are generally likely to be founding strata for the 1200 mm diameter ductile iron (DI) open-cut pipeline sections within 3 – 6 m bgl.

Trenchless crossings such as at the Bow Lake area within very close proximity to 2L6007DR – 2L6010DR inclusive. The trenchless crossing near 2L6011SR and 2L6012SR is expected to be founded within the London Clay Formation bedrock as it was encountered from 2.0 – 20.0 m bgl.

Harwich Formation was also encountered locally between 12.40 – 18.65 m bgl at 2L6008DR, 2L6011SR and 2L6012SR. It is expected though not shown on the borehole log for 2L6007DR that was originally paired with 2L6008DR that Harwich Formation may be encountered at a similar level to 2L6008DR in the area.

Lambeth Group was encountered locally between 14.40 – 20.10 m bgl at 2L6007DR, 2L6008DR, 2L6010DR, 2L6011SR and 2L6012SR. It is expected, though not shown on the borehole log for 2L6009DR that was originally paired with 2L6010DR, that Lambeth Group may be encountered at a similar level to 2L6009DR in the area. Lambeth Group is also encountered from 17.25 – 42.05 m bgl within BH501.

8.2 Foundation Design

Open-cut pipeline sections are expected to be founded with all strata within Section L described above.

For the approximate 5.9 km length of pipeline proposed across Section L, bearing resistance or settlement issues are not expected due to a net reduction in ground bearing pressure at formation level, and hence bearing resistance and settlement issues are not anticipated.

8.3 Shallow Excavation

8.3.1 Excavation

Shallow excavations for the proposed open-cut pipeline route are expected to be constructed between 3 m – 6 m bgl, all within superficial deposits, London Clay Formation and Lambeth Group . Excavations are expected to be within the capability of conventional plant.

Full excavation support would likely be required in all strata, particularly where these deposits are encountered near watercourses. Where space permits (e.g. in open land), it may be possible to construct the shallow pipework within unsupported battered trenches though sides of the excavation may be prone to drying out and weathering which could cause sides to slip. This is generally applicable to clays and with excavations open for a long time. Stepping temporary slopes and/or supporting trenches would be beneficial to prevent this from occurring (CIRIA, 1992).

8.3.2 Groundwater Control

Based on the ground investigation records, groundwater is likely to be encountered in shallow excavations across all monitored boreholes in Section L as the groundwater was encountered during drilling and within monthly and hourly downhole dataloggers (2L6009DR, 2L6011SR) monitoring between ground level and 3.74 m bgl (+17.61 m OD).

- At 2L6009DR: groundwater was recorded between 0.06 m bgl (+23.05 m OD) and 2.67m bgl, (20.46m OD) and at 2L6011SR: groundwater recorded a minimum of 0 m bgl (+21.35 m OD) and 3.77 m bgl (17.58 m OD) within Superficial deposits and London Clay Formation.

- At BH501, groundwater was recorded at a minimum of 1.86 m bgl (+19.08 m OD) to 2.00 m bgl (+18.94 m OD) within Superficial Deposits.

These are expected to be controllable by conventional sump pumping; it would need careful monitoring of fines removed. Well pointing alongside potential trenches created is another option to be considered.

There are no instances of artesian groundwater conditions above ground level during the investigation.

8.4 Flotation

The structures should be designed to resist flotation in all stage of temporary and permanent works.

8.5 Trenchless Construction

The Applicant has confirmed the current trenchless crossing pipeline, shaft dimensions and depths. Launch shaft dimensions will range between 9.0 m – 9.5 m diameter and reception shafts range between 5.0 m – 5.4 m diameter with a 700 mm – 800 mm diameter DI pipe within a 1200 mm internal diameter pipejack. Trenchless crossings are presumed to be driven west to east, so the launch shafts are always the most westerly shafts.

The majority of boreholes in Section L encountered a medium strong to strong, 0.05 – 0.50 m thick locally fragmented mudstone between 4.20 m and 15.70 m bgl within the London Clay Formation between 4.20 m and 15.70 m bgl. The pipe jack tooling would need to be able to drill through isolated bands of mudstone encountered near to Bow Lake, Winchester Road (2L6007DR – 2L6010DR inclusive) and near to the watercourse southeast of Highbridge Road B3335 (2L6011SR). These may also be encountered in shaft construction.

2L6007DR – 2L6008DR, 2L6009DR – 2L6010DR, 2L6011SR – 2L6012SR three trenchless crossings
Trenchless crossings are expected to be between 7.6 m bgl (east reception shaft) – 8.99 m bgl (west launch shaft) under the Bow Lake; London Clay Formation is encountered in these six boreholes (stiff/very stiff silty clay) which is considered optimum for pipe jacking for the 1200 mm DI pipeline.
In addition, originally the pipeline route in early 2023 was going through boreholes 2L6011SR and 2L6012SR, which also encountered London Clay Formation between 7.6 – 8.99 m bgl.

As of the current route is based on March 2024 information, the trenchless crossing changed to no longer connect from boreholes 2L6011SR and 2L6012SR. Instead, the trenchless crossing zone changed to connect between 2L6011SR and BH501.

Table 8.1: Shaft construction geology.

Trenchless Hole Location (Launch Pit)	Base of Shaft Construction Depth m bgl (m OD)	Shaft Strata	Trenchless Hole Location (Reception Pit)	Base of Shaft Construction Depth m bgl (m OD)	Reception Pit Shaft Strata
2L6008DR	8.99 (+16.03)	Alluvium and London Clay Formation	2L6007DR	7.63 (+17.39)	Alluvium and London Clay Formation
2L6010DR	8.99 (+14.59)	Alluvium and London Clay Formation	2L6009DR	7.63 (+15.49)	Alluvium and London Clay Formation

BH501 – 2L6011SR trenchless crossing

The other proposed crossings near to Phase 1 borehole (BH501), between Section L and Section M is expected to be approximately 33 m bgl, the trenchless construction tunnel depth. This trenchless construction zone is connected to 2L6011SR (east reception shaft), estimated depth here is to be provided by the Applicant. At the time of writing exploratory holes have not been undertaken at the location of the launch shaft.

Within Phase 1 borehole BH501, a groundwater strike was noted between 21.75 – 21.80 m bgl (-0.81 until -0.86 m OD) above the proposed trenchless construction depth of 33 m bgl (-12.06 m bgl) within the Lambeth Group strata. This may have been as a result of fissures and shear surfaces described on the borehole log between 20.75 m bgl (+0.19 m OD) – 30.90 m bgl (-9.96 m OD). Groundwater is above the depth of trenchless construction. The trenchless construction depth is greater than 11 m below this and is mid tunnel drive.

UCS Strength

Uniaxial Compressive Strength (UCS) test results near the proposed construction zone from 7.6 – 8.99 m bgl for 2L6007DR and 2L6008DR are of the same order of magnitude (0.084 MPa and 0.094 MPa maximum), comparable to firm clay (40 – 75 kPa); both 2L6011SR and 2L6012SR have similar UCS results between 0.18 – 0.19 MPa, comparable to stiff clay (75 – 150 kPa). For 2L6010DR, samples nearest available to the trenchless construction zone between 7.0 m bgl and 10.0 m bgl, UCS ranged between 0.07 and 0.10 MPa, comparable to firm clay (40 – 75 kPa). Also, at 2L6009DR and 2L6010DR (below the trenchless zone at 13.8 and 13.9 m bgl respectively) have similar UCS results between 0.17 – 0.19 MPa, comparable to stiff clay (75 – 150kPa). There are average strength differentials across each of these crossings, but they are of the same order of magnitude.

8.6 Ground Aggressivity

8.6.1 Concrete

The results of the pH and sulphate tests (SO_4) undertaken on Head Deposits, Alluvium and River Terrace Deposits natural ground material samples recovered indicate that worst case design sulphate class is DS-1 and the worst case aggressive chemical environment for concrete (ACEC) class AC-1. Made Ground worst case design sulphate class is DS-1 and the worst case aggressive chemical environment for concrete (ACEC) class AC-2z. For London Clay Formation, Harwich Formation and the Lambeth Group have worst case design sulphate class is DS-4 and the worst case aggressive chemical environment for concrete (ACEC) class AC4.

8.6.2 Ferrous Metals

Strata across the proposed pipeline route has the potential to be aggressive towards ferrous metals.

Following guidance published by TRL (Eyre, D., & Lewis, D.A., 1987) if clay (within Superficial deposits and clays within bedrock including London Clay Formation, Harwich Formation and Lambeth Group) are encountered with the below characteristics, it is considered aggressive towards ferrous metals with:

- Characteristic apparent resistivity value of 10 Ωm
- Organic content greater than 0.2 %
- Plasticity index greater than 15
- Poorly drained area or groundwater above pipework level
- Moisture content greater than 20 %
- pH greater than 6
- Soluble sulphate 500 to 1000 mg/l
- Aggressive compounds in Made Ground (e.g. cinder or coke)

Eyre and Lewis' (1987) Contractor Report has two soil corrosivity assessment methods; Table A1 and B1. Using worst case scenario, these two assessments class Section L as highly aggressive (Table A1) and very aggressive (Table B1) respectively (Eyre, D., & Lewis, D.A., 1987).

8.7 Geotechnical Hazard Assessment

Table 8.1 summarises potential geotechnical hazards associated with the Site during and post construction.

Table 8.1: Potential Hazards

Hazard	Source of information/comment	Mitigation method
Unforeseen Ground Conditions	Project specific ground investigation undertaken in 2023 and 2024 to inform outline design. Trenchless bore collapse and uncontrolled ground settlement, very soft / loose material present that is inadequate for founding of pipework / chambers.	No further GI required sufficient GI undertaken.
Groundwater	Lack of knowledge of groundwater conditions. Potentially result in inappropriate/inadequate choice of dewatering techniques, excessive sump pumping causing settlement, unstable ground, inappropriate bore support.	Groundwater results should be reviewed over a minimum period of 6 months. Downhole data loggers installed such as at 2L6009DR and 2L6011SR at a trenchless crossing location should inform the groundwater levels over a 12 month period to estimate any potential dewatering requirements prior to construction. Continued monitoring or groundwater at boreholes with installations.
Bore Collapse	Fracture indices during rotary coring highlighting areas of assumed zones of core loss. Inadequately defining mudstone bands commonly encountered in Section L boreholes or encountering sand/gravel horizons within the Harwich Formation / Lambeth Group that could lead to collapse if not supported.	When excavating, assess the degree of fracturing and structure as the excavation progresses in depth and lateral extent. Check to see if the excavation remains intact or blocky. If the ground becomes increasingly laminated and irregular, excavate in reduced thicknesses rather than larger blocks at a time to prevent the likelihood of collapse. Use vertical sided trench support: trench sheets or boxes, where required.
Excessive settlement, pipe failure / bursts.	Geological logs displaying strata to a maximum of 20 m BGL for the majority of locations with 1 location (BH501) drilled to 45.15 m. Subsidence and hidden soft areas of ground previously not identified during the GI.	Ensure that proposed pipework avoids these areas of unsuitable ground and buried structures where possible. If structures are within the route alignment, arrange with the Applicant and appropriate landowners for these to be investigated/removed as early as practicable. Other mitigation might include overdrive and replace, or increase pipe bedding due to poor native soil

Hazard	Source of information/comment	Mitigation method
Existing buried services - strike, injury	Utility drawings provided to the Principal Contractor / Ground Investigation Contractor may not reveal all services underground and may differ.	Ensure that utility providers are contacted in advance of excavation works with any uncertainty proven on site by those providers having engineers on site. They should be in attendance where necessary such as near high risk locations. For further confirmation, Ground Penetrating Radar (GPR) and/or PAS128 surveys may also be performed.
Unexploded ordnance (UXO) risk	The Site was impacted by bombing in WWII.	Preliminary Risk Assessments were conducted specific to each exploratory hole location to reduce the section-wide greater UXO risk. Preliminary Risk Assessments were conducted specific to each exploratory hole location to reduce the section-wide greater UXO risk. Detailed UXO assessment undertaken with the following findings (Zetica, 2024): ■ No significant sources of UXO hazard have been identified. ■ Proceed with works. An UXO awareness briefing is prudent for staff involved in excavations. LOW UXO hazard level is applied to Section L
Risk of concrete degradation, failure of concrete structures and proposed DI pipe.	BRE test results on Alluvium, Head Deposits and River Terrace Deposits from the GI show the maximum available design sulphate class is DS1. Corresponding Aggressive Chemical Environment for Concrete (ACEC) is AC1.Made Ground is DS-1 AC-2z. For London Clay Formation, Harwich Formation and Lambeth Group BRE test results show maximum available design sulphate class is DS4. Corresponding Aggressive Chemical Environment for Concrete (ACEC) is AC4.	No further testing required. London Clay Formation, Harwich Formation and Lambeth Group contain high amounts of pyrite and consequently aggressive towards concrete. Resistivity testing undertaken at several locations.

9 Conclusions and Further Considerations

9.1 Geotechnical

The ground investigation data for Section L comprising 37 exploratory locations is appropriate for the selected areas of trenchless crossings beneath Winchester Road, Bow Lake and smaller courses east of Highbridge Road and at the Potential Sources of Contamination.

Shallow superficial deposits, London Clay Formation and Lambeth Group are likely to be encountered during open-cut construction with London Clay Formation bedrock only likely to be expected at trenchless crossings.

High water levels across the borehole locations may require conventional sump pumping to take place. With deeper shafts, groundwater control may be difficult using ejectors, so other dewatering methods may have to be used.

Pipejacking techniques have been decided by the Applicant as the trenchless crossing technique due to passing under multiple sensitive land-uses.

Proposed open-cut construction between 3 – 6 m bgl will be within Alluvium, River Terrace Deposits, London Clay Formation and Lambeth Group, and trenchless construction will be between 7.6 – 8.99 m bgl are expected to be within London Clay Formation. Between BH501 and 2L6011SR, trenchless construction will be approximately 33 m bgl within Lambeth Group deposits. All natural superficial deposits are not aggressive to concrete suggesting a worst-case design sulphate class of DS-1 and the worst case aggressive chemical environment for concrete (ACEC) class AC-1, while Made Ground is DS-1 AC-2z. The bedrocks (London Clay Formation, Harwich Formation and Lambeth Group) are all aggressive to concrete, with a worst case design sulphate class of DS-4 and the worst case ACEC class of AC-4.

As a result of particle size distribution (PSD) tests, Made Ground (MGR), Alluvium (ALV), Head Deposits (HEAD) and London Clay Formation (LC) and Lambeth Group (LMBE) are unlikely to be suitable for re-use. River Terrace Deposits and Harwich Formation indicate the material embedment class without processing is S4 (coarse grained material with more than 12% fines). As a result, on-Site screening would be required prior to pipeline placement within the open-cut trench or trenchless crossing where cohesive River Terrace Deposits and Harwich Formation are likely to be encountered. Where granular natural deposits are not encountered throughout pipeline construction such as with MGR, ALV, HEAD and LC and LMBE granular side-fill materials would require importing.

9.2 Geo-Environmental

The Phase 2 GI along Section L focused on two high-risk PSCs identified by the desk study: BGS Made Ground (PSC 440) and the historic Crowd Hill Landfill (PSC 441) (SSP, 2023). The Phase 3 GI focused on an additional high-risk PSC second location, historic Crowd Hill Landfill (PSC 472). Testing within the GI was performed to assess their potential impact on the pipeline installation within this section (which is largely via open cut installation and in some places beneath watercourses in trenchless crossings). Soil samples were collected from exploratory holes advanced within the DoL route and post-GI groundwater and ground gas monitoring was carried out from the six trenchless crossing boreholes. Soil and groundwater samples were analysed in the laboratory.

Visual signs of contamination encountered during ground investigations (Phase 2 and Phase 3B/3C) were isolated to potential asbestos fragments and concrete sheeting (PACM) in Made Ground within 2L6002SA and

2L6005SA. Made Ground was encountered within this area to a maximum depth of 0.70 m bgl and there was little evidence within the boreholes to suggest this material corresponds to the suspected landfilling (PSC 441) in the area. The Phase 3B/3C GI also advanced two locations (3L6016DS and 3L6107DS) to target a second BGS identified Crowd Hill Landfill Location (PSC 472), Made Ground was encountered within this area to a maximum depth of 0.35 m bgl, with little evidence of landfilling.

The preliminary risk assessment prepared during the desk study was revised to incorporate findings from the results from the Phase 2 and Phase 3B/3C GI data; this identified the following summarised risks:

- A High risk to construction and maintenance workers can be considered applicable for soils within the vicinity of 2L6005SA due to asbestos identified. The potential of encountering further asbestos within the vicinity of this location cannot be discounted.
- A Moderate risk also applies to construction and maintenance workers due to exceedances in groundwater or elevated pockets of ground gas.
- A Moderate risk to groundwater and surface waters at the trenchless crossings, specifically those that go beneath or close to watercourses which may be within hydraulic continuity with groundwater and areas where open cut excavation is due to take place.
- All other potential contaminant linkages were either identified as Low or Very Low.

Due to a high-water table across borehole locations, dewatering will be required during construction works. Because of exceedances encountered within groundwater samples, laboratory analysis results are to be forwarded as part of a discharge consent application. If groundwater is to be contained in a storage vessel for off-Site disposal, laboratory analysis results must be forwarded to the waste disposal Site for confirmation of acceptance prior to works.

10 Recommendations

10.1 Geotechnical

Further Ground Investigation is recommended.
Section L locations are representative of the majority of the of the approximate 5.9 km length of the Proposed Development.

- Additional GI along the route is performed to fully understand and characterise the soil required to be excavated / removed / reused at additional potential trenchless crossings beneath roads, water courses and vegetation.

10.2 Geo-Environmental

Further GI is recommended.
The Phase 2 and 3 GIs have provided limited data with regards to the extent and nature of the Crowd Hill Landfill, both locations (PSCs 441 and 472), and BGS Artificial Ground (PSCs 440) which the desk study suggested extended across the Proposed Development route. ACM material has been identified within the vicinity of 2L6005SA which was advanced to investigate PSCs 440/441. Soil leachate data is also lacking across the Site and groundwater exceedances encountered in samples will require further investigation.

Specific details of the additional recommended GI are outlined below:

- With regards to the extent of PSCs 440, 441 and 472 it may be that current exploratory holes are positioned on the periphery of the BGS Made Ground/Landfills. Further GI should investigate ground conditions within this part of the DoL.
- The extent of ACMs identified within 2L6005SA is currently unknown and further asbestos could therefore be present and disturbed by open cut excavations. Further GI in this area should therefore be undertaken to inform on health and safety for construction workers, and also to determine excavated materials management including the potential for reuse.
- Following further GI to delineate extent of asbestos impact, construction / future maintenance workers should be asbestos awareness trained. Should identifiable asbestos fragments or suspected asbestos containing material be observed, during construction works should stop whilst a sample(s) is/are collected and sent for analysis. The area should then be backfilled, and further investigation may be necessary to determine the extent of asbestos on Site. Any works involving the sampling and removal of asbestos on Site should be managed by an appropriately licenced and/or accredited Third Party where necessary.
- Install or continue monitoring groundwater / gas monitoring wells at / near PSCs with the potential to generate ground gases (e.g., historical landfills or areas of potentially infilled land). In addition to provide further information regarding PCOCs within groundwater at these locations.
- Further soil, leachate and groundwater sampling at trenchless crossing locations in order to further investigate exceedances identified at these locations, such as TPH, PAH and inorganics.
- Include an exploratory location within the expected areas to obtain further information regarding PCOCs in groundwater and risks to workers from inhalation of ground gases, particularly for trenchless crossing locations.
- Include groundwater sampling and water quality testing as part of future phases of GI at selected locations across the Section L route.

- Ground Gas is considered unlikely to pose an adverse risk to human health on-Site, however monitoring has yielded sporadically high concentrations of carbon monoxide (42 ppm) and very low concentrations of oxygen (0.1%) around the trenchless crossing point in the north of the site. Encountering further pockets during construction cannot be discounted, as an extra precaution constructions workers could wear personal gas monitors.
- There are currently no known proposals to reuse soils on Site. However, based on the limited soil leachate data and limited groundwater data specifically in the northern part of the Section, if reuse is proposed, to assess suitability for reuse further soil sampling and testing would be recommended prior to construction to determine the potential risks posed to human health and controlled waters.

Conduct additional geo-environmental monitoring during construction.
Recommendations for ground gas and groundwater monitoring / testing during the construction phase to be provided within the Construction Phase Environmental Management Plan.

Watching Briefs
Watching briefs should be in place during construction. Groundworkers should remain vigilant throughout construction, particularly within the vicinity of PSCs, and should visual and/or olfactory indicators of contamination (including asbestos) be encountered, works should cease in that area and advice be sought from a suitably qualified geo-environmental professional. Further testing and specialist advice may be required. This is particularly applicable to parts of Section L being constructed using open-cut excavation.

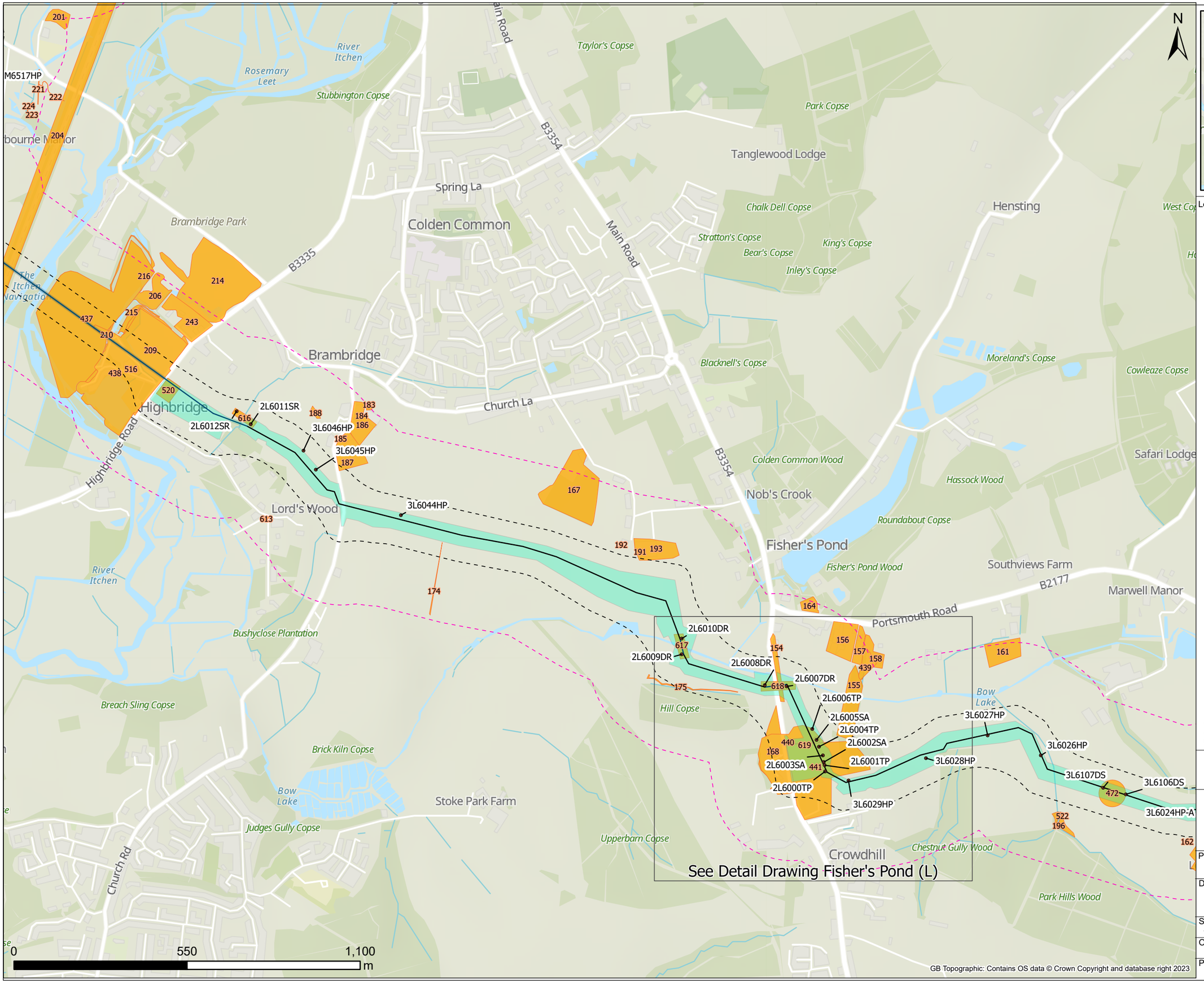
Stockpile Management
Stockpile material must be well managed and kept on an area of hardstanding located down gradient of surface water drainage that may potentially discharge to a watercourse. It is recommended that any stockpiled material is covered to prevent rainfall infiltration, run off, and leachate and dust generation. Stockpiles should be secured when not in use to prevent third party access.

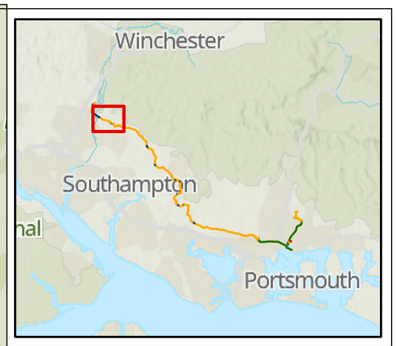
References

BRE, 2005. Concrete in aggressive ground BRE Construction Division Special Digest 1 : 2005, s.l.: BRE.
BSI, 2007. Eurocode 7 - Geotechnical Design Part 2: Ground Investigation and testing BS EN 1997-2: 2007, s.l.: BSI.
BSI, 2015a. BS8485:2015+A1:2019: Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings., s.l.: British Standards Institute.
BSI, 2015. BS8002:2015 Code of practice for earth retaining structures. , London: Figure 2, BSI.
BSI, 2019. BS6164:2019 - Heath and Safety in Tunnelling in the Construction Industry - Code of Practice, London: British Standards Institute.
BSI, 2020. BS9295: 2020 Guide to the structural design of buried pipes, London: BSI.
CIRIA, 1992. CIRIA REPORT 97 Trenching Report (Updated 1992), s.l.: CIRIA.
Defra, 2014. SP1010 Defra. (2014). Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination. Final Project Report (Version2). Contaminated Land: Applications in Real Environments. , s.l.: s.n.
Drinking Water Inspectorate, 2024. Drinking Water Standards and Regulations. [Online]
Available at: https://www.dwi.gov.uk/drinking-water-standards-and-regulations/
[Accessed 2024].
E., 2012. Good practice for decommissioning abandoned boreholes and wells , s.l.: s.n.
E. A., 2021. Waste Classification Technical Guidance. [Online]
Available at: https://www.gov.uk/government/publications/waste-classification-technical-guidance
Environment Agency, 2023b. Guidance - Groundwater protection. [Online]
Available at: https://www.gov.uk/government/collections/groundwater-protection
Environment Agency, 2023. Guidance - Land contamination risk (LCRM). [Online]
Available at: https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm
Eyre, D., & Lewis, D.A., 1987. TRL Contractor Report 51: Soil corrosivity assessment., s.l.: Crowthorne. Transport Research Laboratory.
HazWasteOnline, 2023. HazWasteOnline (Report Reference: TLF22-RQYAP-TRNIV), s.l.: s.n.
HazWasteOnline, 2024. HazWasteOnline (Report Reference: C8EZ8-6OLA7-2XBTY), s.l.: s.n.
Hight et al. , 2004. C583 Engineering in the Lambeth Group, London: CIRIA.
Legislation.gov.uk, 2024. The Water Supply (Water Quality) Regulations 1989. [Online]
Available at: https://www.legislation.gov.uk/uksi/1989/1147/made
[Accessed 2024].
Look, 2007. Handbook of Geotechnical Investigation and Design Tables, s.l.: Taylor and Francis.
MAGIC, 2023. MAGIC. [Online]
Available at: https://magic.defra.gov.uk/MagicMap.aspx
M. o. H. &. L. G., 2021. National Planning Policy Framework, s.l.: GOV.UK.
Nathanail et al, 2015. The LQM/CIEH S4ULs for Human Health Risk Assessment. s.l.:Land Quality Press.
Safelane Global, 2023. Detailed Unexploded Ordnance Risk Assessment. In Respect of: Water for Life Havant Thicket to Otterbourne, s.l.: Safelane Global.
S. G., 2023. Detailed Unexploded Ordnance Risk Assessment, s.l.: s.n.
Society of Brownfield Risk Assessment (SoBRA), 2020. Development of Acute Generic Risk Assessment - Criteria for Assessing to Human Health from Contaminants in Soil (v.2), s.l.: SoBRA.
SOCOTEC, 2023. Ground Investigation Report (Factual Account of Fieldwork Monitoring and Laboratory Testing), Issue 02 ref: G2034-22/P2, November 2023, Maidstone: SOCOTEC.
SOCOTEC, 2024. Ground Investigation Report (Factual Account of Fieldwork, Monitoring and Laboratory Testing), Issue 01. Ref: G4011-24/P3B_3C, Maidstone: s.n.
Southern Water, 2024. Hampshire Water Transfer and Water Recycling Project Technical Document Terminology Guide 710166 - SOUTHERN WATER, s.l.: s.n.

SSP, 2022b. Methodology for Identification of Ground Investigation 710166-SWS-XX-XX-MS-GE-00001, s.l.: SSP.
SSP, 2022. Ground Investigation Specification and Bill of Quantities Water Transfer from Havant Water Recycling Plant to Havant Reservoir, Water Transfer from Havant Thicket Reservoir to Otterbourne Water Supply Works Tunnel Locations November 2022, Falmer: SSP.
SSP, 2023a. Phase 2 Data logger monitoring till November 2023, s.l.: SSP.
SSP, 2023b. Water Recycling Plant (WRP) to Otterbourne WSW and Havant Thicket HLPS to Otterbourne WSW Geo-technical and Geo-environmental Desk Study, s.l.: s.n.
SSP, 2023c. Ground Investigation Specifcation and Bill of Quantities for Ground Investigation. Hampshire Water Transfer and Water Recycling Project. Phase 3B Critical Crossings, Potential Sources of Contamination (PSCs), Non-pipeline Infrastructure and Linear Route. , s.l.: s.n.
SSP, 2023d. Ground Investigation Specifcation and Bill of Quantities for Ground Investigation. Hampshire Water Transfer and Water Recycling Project. Phase 3C Critical Crossings, Potential Sources of Contamination (PSCs), Non-pipeline Infrastructure and Linear Route., s.l.: s.n.
SSP, 2023. Water Recycling Plant (WRP) to Otterbourne WSW and Havant Thicket HLPS to Otterbourne WSW Geo-technical and Geo-environmental Desk Study, s.l.: s.n.
SSP, 2023. Water Recycling Plant (WRP) to Otterbourne WSW and Havant Thicket HLPS to Otterbourne WSW Geo-technical and Geo-environmental Desk Study, s.l.: SSP.
SSP, 2024. Hampshire Water Transfer and Water Recycling Project Geotechnical and Geo-Environmental Desk Study Version 4 710166-SWS-XX-XX-RP-GE-00004, s.l.: SSP.
SSP, 2025. Hampshire Water Transfer and Water Recycling Project Geo-environmental Interpretative Report for Phase 1 and 3A Ground Investigation (Shafts and Tunnels), s.l.: SSP.
Stantec, 2021. Havant Water Recycling Plant (WRP) Geo-Environmental Desk Study , s.l.: s.n.
Stantec, 2023 . Hampshire Water Transfer and Water Recycling Project Geotechnical and Geo-Environmental Desk Study. s.l.:s.n.
Tomlinson, 2001. Foundation Design and Construction 7th Edition, s.l.: Pearson Educational Ltd.
Zetica, 2024. UXO Desk Study & Risk Assessment. Document Ref. L Site., s.l.: s.n.

Figures





Legend

- Ground Investigation
- Draft Order Limits 50m buffer
- Draft Order Limits 250m buffer

GI Scoping Route

- Open cut
- Trenchless

Draft Order Limits Sections

- A
- B
- C
- D
- E
- F
- G
- H
- J
- K
- L
- M
- Potential Sources of Contamination

Contains Southern Water preliminary data - All site locations and routes shown are preliminary only and subject to further site selection assessment and stakeholder consultation.

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Project Title: Water For Life Hampshire

Drawing Title: Figure 1.1 Section L (NE)
Ground Investigation Locations with PSCs

Scale	Date Drawn	Page	Sheet Size
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Originator	Checker	Reviewer	Approver
SB	GS	AC	JH
Project No.			Revision
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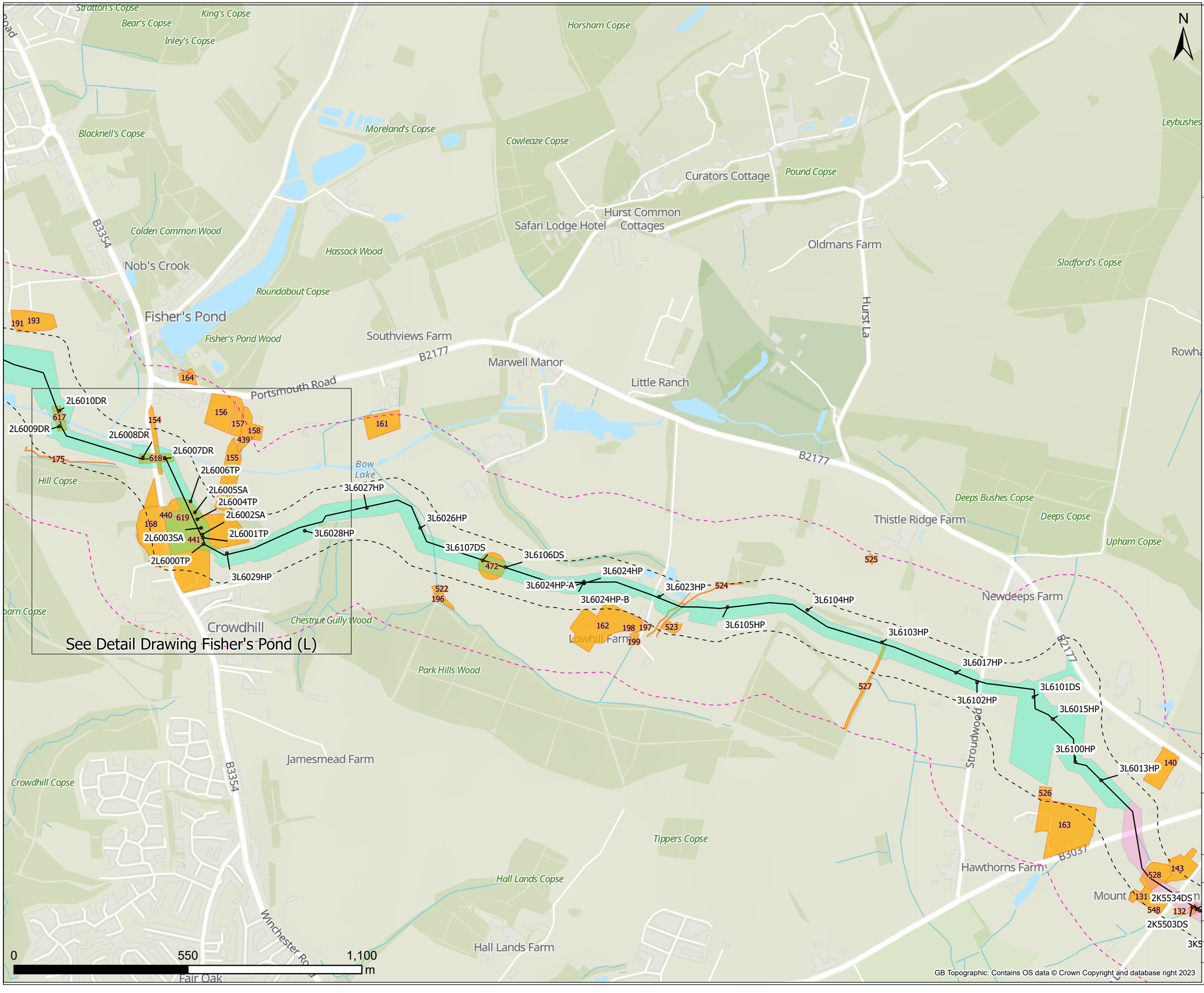

Legend

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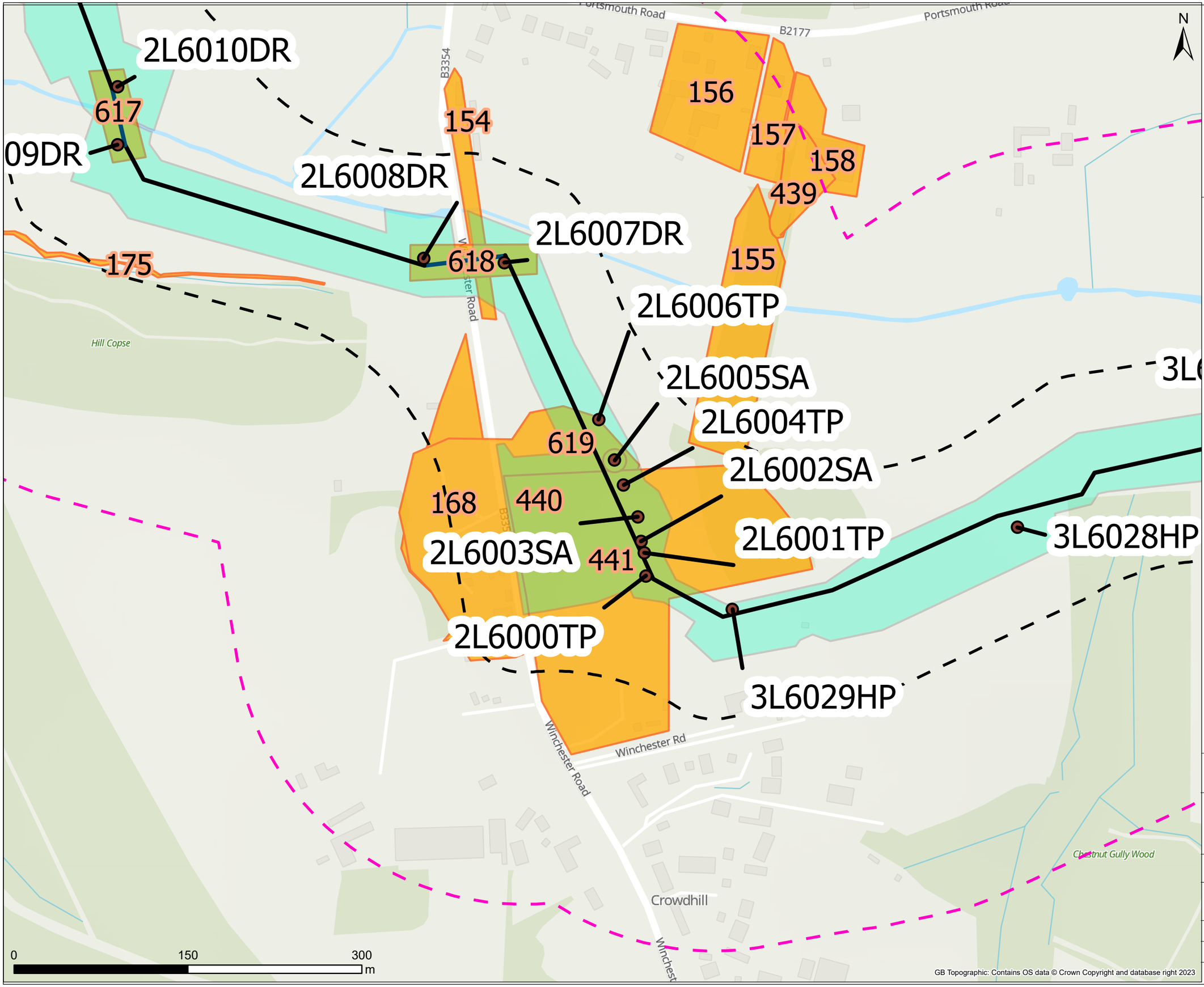
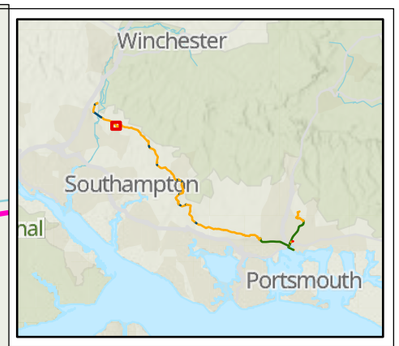
Southern Water

Project Title	Water For Life Hampshire
Drawing Title	Figure 1.2 Section L (SE) Ground Investigation Locations with PSCs

Scale	Date Drawn	Page	Sheet Size
1:11,000	27/11/2024	1.2	A3
Originator	**Checker**	**Reviewer**	**Approver**
SB	GS	AC	JH
Project No.			**Revision**
710166-SWS-XX-XX-SK-GE-00001			A





Legend

- Ground Investigation
- Draft Order Limits 50m buffer
- Draft Order Limits 250m buffer

GI Scoping Route

- Open cut
- Trenchless

Draft Order Limits Sections

- A
- B
- C
- D
- E
- F
- G
- H
- J
- K
- L
- M

Potential Sources of Contamination

Contains Southern Water preliminary data - All site locations and routes shown are preliminary only and subject to further site selection assessment and stakeholder consultation.

Stantec

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Falmer, Brighton
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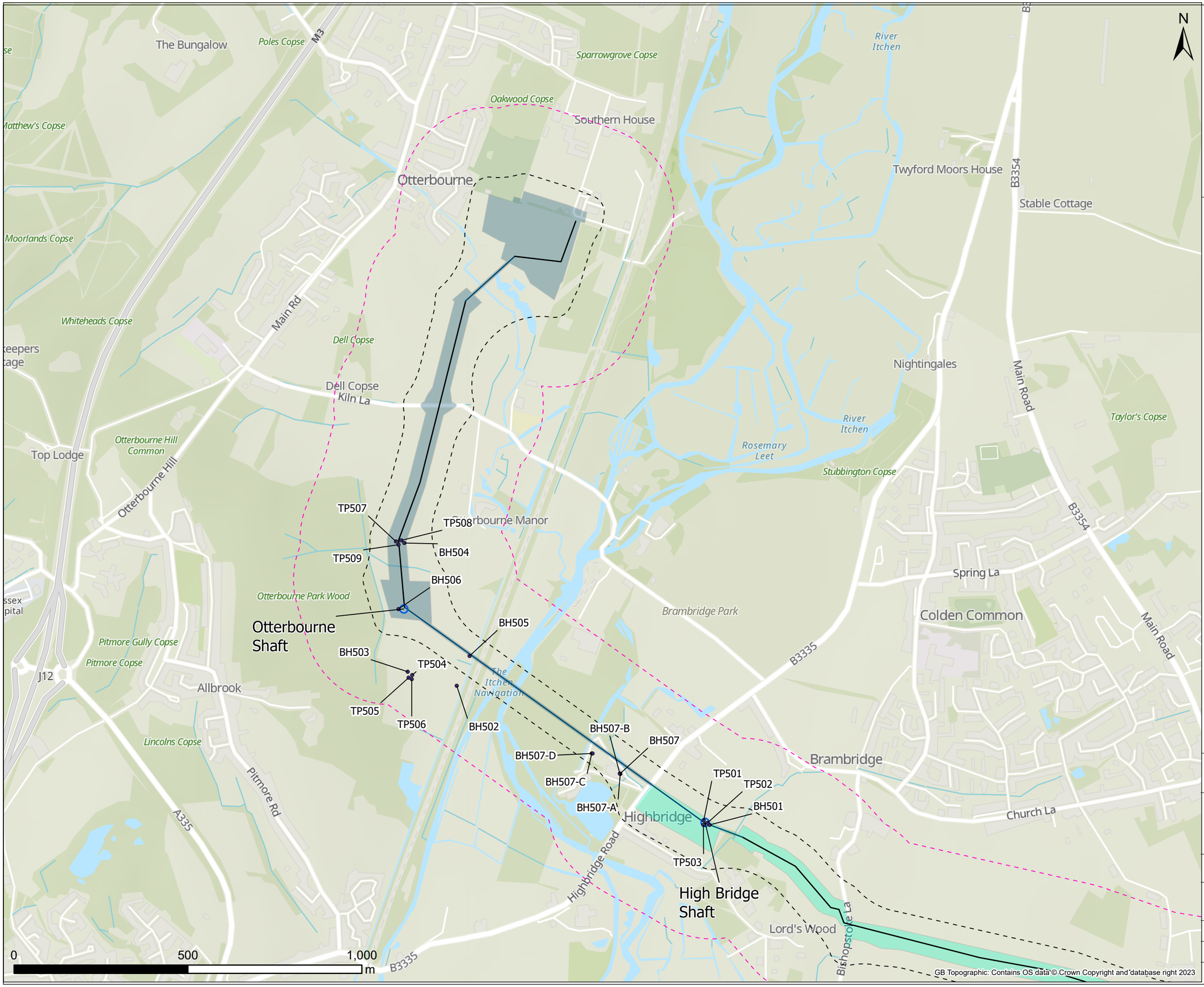
Southern Water

Project Title	Water For Life Hampshire
Drawing Title	Section L Fishers Pond (Detail) Ground Investigation Locations with PSCs

Scale	Date Drawn	Page	Sheet Size
1:3,000	27/11/2024	1.1	A3
Originator	Checker	Reviewer	Approver
SB	GS	AC	JH
Project No.			Revision
710166-SWS-XX-XX-SK-GE-00001			A

Document Path: C:\Southern Water\Hampshire Water for Life\Geo_MapSeries\GI_Scoping\GI_Scoping.aprx



Contains Southern Water preliminary data - All site locations and routes shown are preliminary only and subject to further site selection assessment and stakeholder consultation.

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Project Title
Water For Life Hampshire

Drawing Title
Section M
Phase 1 /3A Ground Investigation Locations

Scale	Date Drawn	Page	Sheet Size
1:10,000	15/01/2025	1.1	A3
Originator	Checker	Reviewer	Approver
SB	GS	AC	JH
Project No.			Revision
710166-SWS-XX-XX-SK-GE-00001			A

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PSC No.	Name	Source	Current	Dates	Description	Category	Section
1	Works - Crockerhill Brickworks	Groundsure, National Library of Scotland, ArcGIS Earth, Google Earth	Y	1868 - Present	1868 to 1939 brickfield including infilled ponds. 1939 to 1992 (last available map) Saw mills east of Forest Lane. 1999 to Present - 'Pinks' Industrial park / Welbourne Business Park	PSC & Infilled Land	F
2	Pit - Clay	NLS	N	1937-61 - 1949-70		Infilled Land	F
4	Farm - Albany Farm	National Library of Scotland, Historic Map 1856. Fareham and Gosport Council	Y	1856-1914 - Present	Area now a business centre, houses, a care home and offices. Local authority note timber furniture manufacture.	PSC	F
5	Landfill - Albany Farm Historic Landfill	Environment Agency, National Library of Scotland, Historic Map 1856	N	1856-1913 - 1949-89	Old chalk pit 1888-1913 (NLS),1949-70 (NLS) no longer labelled, markings remain. Landfill licence granted 1977 and shown in lower area until 1989.	Infilled Land	F
6	Landfill - Albany Farm Historic Landfill	Environment Agency, National Library of Scotland, Historic Map 1856	N	1977 - 1982	1892-1914 (NLS) - Old Chalk Pit. Inert backfill.	Infilled Land	F
7	Pit - Unspecified	National Library of Scotland, Historic Map 1856	N	1856 - 1965		Infilled Land	F
8	Pit - Sand	National Library of Scotland, Historic Map 1856	N	1856-1913 - 1937-61		Infilled Land	F
9	Pit - Chalk	National Library of Scotland, Fareham BC EHO, Historic Map 1856	Y	1856-1913 - 1949-70	1892-1913 (NLS) excavation markings still present 1949-92 (NLS). Chalk pit followed by farm use.	PSC & Infilled Land	F
10	Pit - Chalk	National Library of Scotland, Historic Map 1856	N	1856-1913 - 1949-78	Former pit and pond.	Infilled Land	F
11	Landfill - Heytesbury Farm Landfill	Environment Agency, National Library of Scotland / Fareham BC EHO	N	1856-1913 - 1949-70	Former clay pit. Visible on Historical 1956 Map, 1888-1913 (NLS),1949-70 (NLS) no longer labelled. First input 1980. Unknown last input. Local authority note - Waste treatment: landfill construction/demolition/builders waste.	Infilled Land	F
12	Pit - Various	Fareham Council EHO	N	Unknown	Chalk, gravel, clay pit	Infilled Land	F
14	Pit - Various	Fareham BC EHO	N	1856 - 1873	Chalk, gravel, clay pit	Infilled Land	F
15	Infilled Land - Disturbed Ground	Fareham BC EHO	N	Unknown	Unknown landfill/ Stockpiled Soil/ Raised land/ Reclaimed land/ Fly-tipping/Burnt waste - no evidence seen on historical maps.	PSC & Infilled Land	F
16	Embankment	Historic Map 1932	Y	1932 - 1987	Road embankment, road layout has changed in area.	PSC	F
17	Embankment	Historic Map 1958	N	1958 - 1992	Road embankment, layout of road has changed in area, road no longer extends up this far, although area still seems to be raised.	PSC	F
18	Waste Facility - Recycling and waste centre	Historic Map 1856, Google Earth	Y	1856 - Present	Charity Farm shown throughout Historical Maps until 1993. Current map shows area as a waste and recycling centre.	PSC	F
19	Infilled Land - Pond	Historic Map 1856	N	1856 - 1895		Infilled Land	F
20	Infilled Land - Drain	Historic Map 1856	N	1856 - 1910		Infilled Land	F
21	Farm - Whitedell Farm	Historic Maps 1856 - 1992 Google Earth 2024	Y	1856 - Present		PSC	F
22	Pit - Sand	Historic Map 1856	N	1856 - 1898		Infilled Land	F
23	Pit - Chalk	Historic Map 1873	N	1856 - 1985		Infilled Land	F
24	Pit - Chalk	Historic Map 1895	N	1895 - 1898		Infilled Land	F
25	Pit - Chalk	Historic Map 1897	N	1856 - 1985	Infilled Land, western part potentially crosses the pipeline route.	Infilled Land	F
26	Infilled Land - Channel	Historic Map 1868	N	1856 - 1910		Infilled Land	F
27	Infilled Land - Channel	Historic Map 1868	N	1856 - 1957		Infilled Land	F
28	Infilled Land - Channel	Historic Map 1868	N	1856 - 1957		Infilled Land	F
29	Electricity Sub Station (Small)	ArcGIS Earth / Google Earth	Y	1987 - Present		PSC	G
30	Infilled Land - Pond	National Library of Scotland	N	1868 - 1894		Infilled Land	G
31	Infilled Land - Pond	National Library of Scotland	N	1868 - 1938	Infilled by 1940.	Infilled Land	G
32	Farm - Cold Harbour Farm	National Library of Scotland, Google Earth	Y	1888 -1913 - Present		PSC	G
33	Garage - Drokes Farm Motor Company	Google Earth / ArcGIS Earth	Y	2017 - Present	2017 to Present (2023). Servicing, repairs and diagnostic.	PSC	G
34	Nursery	National Library of Scotland	Y	1949-70 - Present		PSC	G
35	Infilled Land - Pond	NLS	N	1888-1913 - 1999		Infilled Land	G
36	Pit - Gravel	National Library of Scotland	N	1892-1914 - 1937-61	Excavation marks visible 1937-61, no longer labelled, pipeline route no longer being passed through PSC.	Infilled Land	G
37	Pit - Gravel	National Library of Scotland	N	1868 - 1913		Infilled Land	G
38	Farm - Little Tapnage Farm	ArcGIS Earth / Google Earth	Y	2021 - Present	2021 Google Earth to Present.	PSC	G
39	Railway	National Library of Scotland	N	1909 - 1968	Appears to be dismantled by 1980. Area now a path.	PSC	G
40	Infilled Land - Pond	National Library of Scotland	N	1868-1897 - 1949-70		Infilled Land	G
41	Infilled Land - Pond	National Library of Scotland	N	1888 - 1994		Infilled Land	G
42	Hospital - Ravenswood	National Library of Scotland, Google Earth, Historic Map 1940	Y	1940-70 - Present		PSC	G
43	Embankment	Historic Map 1939	Y	1939 - Present		PSC	G
44	Embankment	Historic Map 1987	Y	1939 - Present		PSC	E
45	Pit - Gravel	Historic Map 1968	N	Pre-1868	Labelled as 'Gravel Pit Copse'; Shape seen in 1868 map and first labelled in 1888, no actual gravel pit confirmed.	Infilled Land	H
46	Pit - Various	Historic Map 1994, BGS Historical Mineral Planning Areas	N	1973 - 1994	Park Place - Sand and gravel surface mineral working (BGS) Licence granted 1972. Eastern corner pipeline passes through.	Infilled Land	G
49	Pit - Gravel	Historic Map 1895	N	1895 - 1938		Infilled Land	G
50	Infilled Land - Pond	Historic Map 1965	N	1965 - 1994		Infilled Land	G
51	Pit - Gravel	Historic Map 1895	N	1895 - 1938		Infilled Land	G
52	Pit - Gravel	Historic Map 1908	Y	1908 - Present	Pipeline no longer passes near PSC.	Infilled Land	G
53	Infilled Land - Pond	Historic Map 1868	N	1868 - 1994		Infilled Land	F
54	Infilled Land - Drain	Historic Map 1968	N	1868 - 1979	Unclear when the drain was first created, first labelled as a drain in map 1979, however shape can be seen on 1868 map.	Infilled Land	G
55	Infilled Land - Drain	Historic Map 1968	N	1868 - 1987	Unclear when the drain was first created, first labelled as a drain in map 1979, however shape can be seen on 1868 map.	Infilled Land	G
57	Infilled Land - Drain	Historic Map 1968	N	1868 -1980	Unclear when the drain was first created, first labelled as a drain in map 1979, however shape can be seen on 1868 map.	Infilled Land	G
58	Infilled Land - Drain	Historic Map 1968	N	1868 -1980	Unclear when the drain was first created, first labelled as a drain in map 1979, however shape can be seen on 1868 map.	Infilled Land	G
59	Pit - Sand	Historic Map 1868	N	1868 - 1938	Hospital built on top.	Infilled Land	G
60	Pit - Gravel	Historic Map 1895	N	1895 - 1938	Hospital built on top.	Infilled Land	G
62	Infilled Land - Drain	Historic Map 1868	N	1868 - 1994	Shown as a large channel in 1868map, no water shown in that area on ArcGIS Map, however channel outline is still visible on 1994 Map.	Infilled Land	G
64	Infilled Land - Drain	Historic Map 1868	N	1868 - 1895		Infilled Land	G
65	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
66	Infilled Land - Drain	Historic Map 1868	N	1868 - 1938		Infilled Land	G
67	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
68	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
69	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
70	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
71	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
72	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
73	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
74	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
75	Infilled Land - Drain	Historic Map 1868	N	1868	Only visible in 1868 map.	Infilled Land	G
76	Farm	Google Earth, Groundsure Historical Tanks layer	Y	Pre-1999 - Present	Tanks identified by Groundsure 1986-87.	PSC	H
77	Agricultural - Nursery / Farm	Google Earth	Y	1987 - Present	Possible greenhouses adjacent to corridor.	PSC	H
78	Infilled Land - Disturbed Ground	Google Earth	Y	2005 - Present	Ground shown as disturbed with soil and waste heaps. Land also used a farm yard.	PSC & Infilled Land	H
79	Farm	Google Earth	Y	1999 - Present	Small scale activities, no farm name.	PSC	H
80	Tank	Historic Map 1989	N	1986 - 2007		PSC	H

PSC No.	Name	Source	Current	Dates	Description	Category	Section
81	Tank	Historic Map 1989	N	1986 - 1994		PSC	H
82	Pit - Sand	Historic Map 1939	N	1939 - 1957		Infilled Land	H
83	Pit - Sand	Historic Map 1939	N	1939 - 1968		Infilled Land	H
84	Infilled Land - Pond	Historic Map 1868	N	1868 - 1909	No labels on map, however older maps potentially show a pit or an infilled pond.	PSC	H
85	Farm - Westland Farm	Historic Map 1994	Y	1994 - Present		PSC	H
86	Farm	Google Earth	Y	2014 - Present	Farm building.	PSC	H
87	Infilled Land - Swimming pool	Historic Map 1965	N	1965 - 1987		Infilled Land	H
88	Garage	Historic Map 1965, Winchester County Council, Groundsure	Y	1965 - Present		PSC	H
89	Pit - Sand	Historic Map 1965	N	1965 - 1968		Infilled Land	H
90	Landfill - Shirrel Heath Sand Pit	Historic Map 1987, Environment Agency	N	1976 - 1987	Surrounding Old sand pit site. Licence issue11/1976. Labelled as disused workings on 1987 Map. Input - inert, commercial waste.	Infilled Land	H
91	Infilled Land - Pond	Historic Map 1965	N	1965 - 1994	Partially infilled, current site has a river running through the middle. Date of infill unknown, visible on most recent historical map of area (1993) but not on current Google Earth imagery.	Infilled Land	H
92	Garage - Winkworths Garage	Historic Map 1986	Y	1986 - Present	Vehicle repair, maintenance and MOT services.	PSC	H
94	Farm - Woodman's Farm	National Library of Scotland	N	1888 - 1913		PSC	J
95	Pit - Sand	National Library of Scotland	N	1895 - 1896		Infilled Land	J
96	Industrial Estate - Woodmans Farm	Google Earth	Y	1993 - Present	On the former footprint of Woodmans Farm. Units include several vehicle maintenance garages, metal finisher and welding activities and air condition repair. Tank shown in north of site on 1993 historical map.	PSC	J
97	Landfill - Ash House Farm Landfill	National Library of Scotland	N	1868 - 1991		Infilled Land	J
98	Pit - Sand	National Library of Scotland, Historical Map 1968	N	1965 -1968		Infilled Land	J
99	Farm - Unknown	Google Earth	Y	1999 - Present	Farm or possible horse stable.	PSC	J
100	Farm - Five Oaks Farm	National Library of Scotland	Y	Present		PSC	J
101	Farm - Sandy Hill Farm	Historical Map 1868	N	1868 - 1897	From Sandy Hill Farm to Sandy Hill House in next map, 1909.	PSC	J
102	Pit - Sand	Historic Map 1869	N	1869 - 1897		Infilled Land	J
103	Pit - Sand	Historic Map 1895	N	1895 - 1957	LiDAR shows ground level lower than surrounding area. Potentially not infilled.	Infilled Land	H
104	Pit - Sand	Groundsure Historical Maps. BGS mineral planning areas and worked ground layer	N	1965 - 1987	Phillimore Sand pit 1965. 1987 map labels whole area as disused workings.	Infilled Land	J
106	Pit - Gravel	Historic Map 1869	N	1868 - 1869	Only visible on two maps. Not shown on 1895 map.	Infilled Land	K
107	Infilled Land - Marshland	Historical Map 1964	N	1964 - 1993	Not visible on current aerial photography. May still be present.	Infilled Land	K
108	Infilled Land - Marshland	Historical Map 1964	N	1964 - 1993,	Potentially infilled by 1999.	Infilled Land	K
109	Infilled Land - Drain	Historical Map 1964	N	1964 - 1993		Infilled Land	K
114	Wastewater Treatment Works - Pumping Station	Historic Map 1994	Y	1985 - Present		PSC	J
115	Infilled Land - Drain	Historic Map 1965	N	1965	Exact location and size unclear. Label 'drain' present in 1965 map only.	Infilled Land	J
116	Embankment - Park Lug	Historic Map 1964, Hants.gov.uk	Y	1964 - Present	Historical map appear to show a tree lined artificially raised land to form an embankment. Embankment identified as Park Lug on historical maps. Hants.gov.uk describes Park Lug as a boundary for a medieval deer park.	PSC	J
117	Farm - Brooklands Farm	Historic Map 1868	Y	1868 - Present	Lodge Farm/Brooklands farm currently residential housing	PSC	K
118	Infilled Land - Marshland	National Library of Scotland	N	1840-1880		Infilled Land	K
119	Infilled Land - Channel	Historic Map 1869	N	1868 - 1957		Infilled Land	K
121	Infilled Land - Channel	Historic Map 1869	N	1868 - 1985		Infilled Land	K
122	Infilled Land - Channel	Historic Map 1869	N	1868 - 1896		Infilled Land	K
123	Infilled Land - Channel	Historic Map 1869	N	1868 - 1957	Partially infilled at different times, channel is last visible on 1957 map.	Infilled Land	K
125	Railway	National Library of Scotland	N	1868 - 1964	Marked as disused from 1964.	PSC	K
126	Pit - Sand	Historic Map 1957	N	1957	Only visible on 1957 Map. Not visible on 1910 or 1965 maps.	Infilled Land	J
127	Infilled Land - Pond	Historic Map 1868	N	1868 - 1909		Infilled Land	E
128	Infilled Land - Pond	Historic Map 1909	N	1896 - 1957		Infilled Land	J
129	Farm - Dalecote Farm	Historic Map 1965	Y	1965 - Present		PSC	J
130	Farm - Treefield Farm	Historic Map 1868	Y	1957 - Present		PSC	J
131	Agricultural - Orchard	ArcGIS Earth	Y	1868 - Present		PSC	K
132	Infilled Land - Pond	National Library of Scotland	N	1868 - 1957	Infilled by 1964. Land drain still present.	Infilled Land	K
133	Infilled land - Artificial Deposit	British Geological Survey	N	Unknown	BGS Artificial Ground	Infilled Land	K
134	Infilled Land - Pond	National Library of Scotland	N	1888 - 1914		Infilled Land	K
135	Farm - Winterhill Farm	National Library of Scotland, ArcGIS Earth	N	1888 - 1913		PSC	K
136	Garage	Google Earth	Y	Present		PSC	K
137	Works - Brick works	NLS	N	1888-1913 - 1949-70	1937-61 Works.	PSC & Infilled Land	K
138	Farm - Trullingham / Laurel Farm	NLS / Google Earth	Y	1868 - Present	Shown as Trullingham on maps from 1888-1913 to 1949-70. Laurel Farm not shown until 1949-70.	PSC	K
139	Infilled Land - Landscaped bank	National Library of Scotland	N	1896 - 1993		Infilled Land	K
140	Works - Brick works	Groundsure Winchester City Council	N	1868 - 1888	Recorded as a Brick Field with Kilns on the 1885 map. No longer recorded as a Brick Field on the 1896 map and forms the rear garden of a residential property.	Infilled Land	K
143	Farm - Merry Orchard Farm	Historic Map 1964	Y	1964 - Present	Cherry Orchard Farm/Merry, possibly part of Merrytree Farm/Merry Orchard Farm.	PSC	K
146	Infilled Land - Pond	Historic Map 1993	N	1993 - 2000	Only visible on 1993 map.	Infilled Land	K
148	Infilled Land - Pond	Historic Map 1868	N	1868 - 1964		Infilled Land	K
149	Infilled Land - Marshland	Historic Map 1964	Y	1964 - Present		Infilled Land	K
150	Farm - Tangier Farm	Historic Map 1868	Y	1868 - Present	Tangier Farm.	PSC	K
151	Infilled Land - Pond	National Library of Scotland	N	1888-1913 - 1947-1970		Infilled Land	L
152	Works - Brick works	National Library of Scotland, Winchester CC EHO	N	1892-1914	The 1940 plan records the site as disused with the south eastern area of the site divided up into fields. Post 1940 site is recorded as open ground with ponds. Site developed into housing post 1963 into housing.	PSC & Infilled Land	L
153	Landfill - Sand pit	National Library of Scotland, Winchester CC EHO	N	1892-1914 - 1945-1965		Infilled Land	L
154	Embankment	National Library of Scotland	Y	1888 - Present		PSC	L
155	Infilled Land - Made Ground (BGS)	National Library of Scotland, BGS	Y	1868 - Present		PSC	L
156	Garage	Google Maps	Y	Present	Vehicle maintenance.	PSC	L
157	Industrial Estate - Simba Business Park	Google Maps	Y	Present	Business park (fuel, workshops, general trade).	PSC	L
158	Garage	Google Earth	Y	Present	Fuel store / vehicle repair.	PSC	L
159	Waste Facility - Recycling / Scrap Yard	ArcGIS Earth	Y	Present		PSC	L
160	Farm - Rockery Farm	Google Earth	Y	Present		PSC	L
161	Worked Ground	Google Earth	N	2019 - 2020		PSC	L
162	Farm - Lowhill Farm	ArcGIS Earth	Y	1868 - Present		PSC	L
163	Farm - Ashbourne Stables	Google Earth	Y	1993 - Present		PSC	L
164	Fuel Filling Station	Historical Map 1963, Winchester City Council	N	1963 - 2010	Poor map coverage post 1963. The 1983 map shows the garage and a Coach House developed on the site, 1989 only labels the coach house.	PSC	L
165	Pit - Gravel	Historic Map 1868	N	1868 - 1957		Infilled Land	L
166	Pit - Gravel	Historic Map 1996	N	1888 - 1957	Replaced with houses.	Infilled Land	L

PSC No.	Name	Source	Current	Dates	Description	Category	Section
167	Works - Old Brick Yard	Historic Map 1868, Groundsure Historical Land Use layer	N	1868 - 1968	According to 2024 Groundsure Reports, unspecified pits and ground working are also associated with this PSC.	PSC & Infilled Land	L
168	Works - Brick works	Historic Map 1868	N	1868 - 1869	Brick Works, Clay Pits, Kilns.	PSC & Infilled Land	L
170	Infilled Land - Swimming Pool	Historic Map 1937	N	1937 - 1994		PSC & Infilled Land	L
171	Infilled Land - Pond	Historic Map 1989, ArcGIS Map	Y	1989 - Present	Large areas have been infilled and a smaller pond now exists here.	Infilled Land	L
172	Infilled Land - Pond	Historic Map 1989, ArcGIS Map	Y	1989 - Present	Large areas have been infilled and a smaller pond now exists here.	Infilled Land	L
173	Infilled Land - Pond	Historic Map 1989	N	1989 - 1993		Infilled Land	L
174	Infilled Land - Drain	Historic Map 1963	N	1963 - 1995		Infilled Land	L
175	Infilled Land - Drain	Historic Map 1963, ArcGIS Map	N	1868 - 1993	Only labelled as a drain in maps 1963 & 1968; maps as far back as 1868 show shape of the watercourse without the label, modern map shows a smaller watercourse crossing the western section. Eastern section potentially re-aligned to electricity pylon route	Infilled Land	L
177	Works - Unknown	Historic Map 1963	N	1963 - 1968	Labelled as 'works' in 1963 map, structures still visible in 1968 map, but not before 1963 or 1968.	PSC	L
178	Works - Unknown	Historic Map 1963	N	1963 - 1968	Labelled as 'works' in 1963 map, structures visible in 1968 map, but not before 1963 or after 1968 maps.	PSC	L
179	Pit - Gravel	Historic Map 1939	N	1939	Only visible in 1939 map.	Infilled Land	L
180	Pit - Gravel	Historic Map 1939	N	1937	Only visible in 1937 map.	Infilled Land	L
181	Pit - Gravel	Historic Map 1909	N	1909 - 1910		Infilled Land	L
182	Farm - Tee's Farm	Historic Map 1868	N	1868 - 1939		PSC	L
183	Infilled Land - Pond	Historic Map 1868	N	1868 - 1984		Infilled Land	L
184	Infilled Land - Pond	Historic Map 1868	N	1868 - 1896.		Infilled Land	L
185	Infilled Land - Pond	Historic Map 1868	N	1868 - 1963		Infilled Land	L
186	Farm - Upper Bambridge Farm	Historic Map 1968	Y	1868 - Present		PSC	L
187	Farm - Hill's Farm	Historic Map 1939	N	1868 - 1984		PSC	L
188	Infilled Land - Pond	Historic Map 1957	N	1957	Only visible in 1957 map.	Infilled Land	L
189	Infilled Land - Pond	Historic Map 1963	N	1963 - 1968		Infilled Land	L
190	Infilled Land - Pond	Historic Map 1963	N	1963	Only visible in 1963 map.	Infilled Land	L
191	Infilled Land - Pond	Historic Map 1868	N	1868 - 1937		Infilled Land	L
192	Tank	Historic Map 1963	N	1963	Only visible in 1963 map.	PSC	L
193	Farm - Leylands Farm	Historic Map 1968	N	1868 - 1968		PSC	L
196	Infilled Land - Pond	Historic Map 1868	N	1868 - 1939		Infilled Land	L
197	Infilled Land - Pond	Historic Map 1868	N	1868 - 1964		Infilled Land	L
198	Infilled Land - Pond	Historic Map 1868	N	1868 - 1964		Infilled Land	L
199	Infilled Land - Pond	Historic Map 1994	N	1992 - 2000	Date of infill unknown. Pond shown on 1994 map, no longer shown on modern map.	Infilled Land	L
201	Works - Depot	ArcGIS Earth	Y	Present	Metal warehouse frame and outdoor storage area with equipment.	PSC	E
202	Infilled Land - Lagoon	National Library of Scotland	N	1963 - Present		Infilled Land	M
204	Railway	Google Maps	Y	1868 - Present		PSC	M
206	Infilled Land - Pond	NLS, ArcGIS Map, Historic Map 1963	N	1963 - 1984	Pond size has changed through maps, notably from 1968 map, extended in some areas and infilled in others.	Infilled Land	M
208	Water Works	Historic Map 1888, ArcGIS Earth	Y	1888 - Present	First classed as Water works; then Sewage Works and sewage farms. Site structures include sewerage septic-tanks and filter beds.	PSC	M
209	Landfill - Bugle Farm Landfill	Groundsure Historical Maps, Environment Agency	N	1937 - 1963	Extraction of alluvial sediments (sand, stone, clay, peat, marl and gravel), previously a farm. No information on first last input or waste type from Environment Agency. SSP 2023 site visit did not find evidence of landfilling.	Infilled Land	M
210	Infilled Land - Pond	Historic Map 1963	N	1963	Infilled Pond, turns into drainage area.	Infilled Land	M
214	Landfill - Brambridge Landfill	Historic Map 1957, BGS, Hampshire County Council	N	1957	Former sand and gravel pit, Made Ground (BGS). Local authority records note 'Gas risk - no info, permeability - high'.	Infilled Land	M
215	Infilled Land - Pond	Historic Map 1963	N	1963 - 1999	Pond has changed in size over time.	Infilled Land	M
216	Infilled Land - Drain	Historic Map 1963	N	1963	Only labelled on 1963 map, present day northern section seems to now have a pond.	Infilled Land	M
217	Infilled Land - Pond	Historic Map 1963	N	1963	Watercourses still present. Pond shown until last historic map in 1993.	Infilled Land	M
218	Water Works - Pumping, Treatment, Tanks	Historic Map 1939	Y	1939 - 1963	Disused Pumping Station, Waterworks, Tanks. Site still present on 1993 map. Outline still present on 2022 Google earth, but only labelled on historical map up to 1963.	PSC	E
219	Infilled Land - Drain	Historic Map 1963	N	1963 - 1968		Infilled Land	M
220	Water Works - Filter beds	Historic Map 1937	N	1937 - 1957		PSC	M
221	Infilled Land - Drain	Historic Map 1963	N	1895 - 1980	Feature only labelled as a drain in 1963 map, however structure can be seen as far back as the 1895 map.	Infilled Land	E
222	Infilled Land - Drain	Historic Map 1963	N	1869 - 1980	Feature only labelled as a drain in 1963 Map, however structure can be seen as far back as the 1869 map.	Infilled Land	E
223	Infilled Land - Drain	Historic Map 1963	N	1963	Only visible in 1963 map.	Infilled Land	E
224	Infilled Land - Drain	Historic Map 1963	N	1908 - 1980	Drain extends further SE, however that appears to still be filled with water. Feature only labelled as a drain in 1963 Map, however structure can be seen as far back as the 1908 map	Infilled Land	E
225	Infilled Land - Sluice	Historic Map 1896	N	1869 - 1896		Infilled Land	M
226	Infilled Land - Channel	Historic Map 1896	N	1869 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	E
227	Infilled Land - Channel	Historic Map 1869	N	1869 - 1957		Infilled Land	E
228	Infilled Land - Channel	Historic Map 1869	N	1869 - 1909		Infilled Land	M
229	Infilled Land - Channel	Historic Map 1869	N	1869 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	E
230	Infilled Land - Channel	Historic Map 1869	N	1869 - 1957		Infilled Land	E
231	Infilled Land - Channel	Historic Map 1896	N	1869 - 1909		Infilled Land	M
232	Infilled Land - Channel	Historic Map 1896	N	1869 - 1968		Infilled Land	E
233	Infilled Land - Pond	Historic Map 1869	N	1869 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	E
234	Infilled Land - Channel	Historic Map 1870	N	1870 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	M
235	Infilled Land - Channel	Historic Map 1870	N	1870 - 1957		Infilled Land	M
236	Infilled Land - Channel	Historic Map 1870	N	1869 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	E
237	Infilled Land - Drain	Historic Map 1963	N	1963 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	E
238	Infilled Land - Drain	Historic Map 1963	N	1957 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	M
239	Infilled Land - Drain	Historic Map 1993	N	1932 - 1999	Unsure exactly when infilled. Visible on last historical map of the area, not shown on Google Earth 1999 image.	Infilled Land	E
240	Infilled Land - Drain	Historic Map 1958	N	1869 - 1987		Infilled Land	E
241	Infilled Land - Drain	Historic Map 1958	N	1869 - 1987		Infilled Land	E
242	Infilled Land - Drain	Historic Map 1958	N	1958 - 1987		Infilled Land	E
243	Farm - Bugle Farm	Historic Map 1968	Y	1968 - Present		PSC	E
256	Infilled Land - Pond	Historic Map 1993	N	1896-1993		Infilled Land	K
257	Infilled Land - Tank	Historic Map 1994	N	1994	Former tank, now part of a nursery (agricultural).	PSC & Infilled Land	G
258	Farm - Prior's Holds Farms	NLS	Y	1888-1913 - Present		PSC	E
259	Farm	NLS	Y	Pre-1999 - Present		PSC	E
260	Pit - Gravel	National Library of Scotland	N	1888 - 1913		Infilled Land	E
261	Farm - Heath Farm	Google Earth	Y	Present		PSC	E
262	Pit - Unspecified	National Library of Scotland	N	1888 - 1970	Local authority suggest pit present in 1878.	Infilled Land	E

PSC No.	Name	Source	Current	Dates	Description	Category	Section
263	Farm - Pigeionhouse Farm	National Library of Scotland	N	1856-1913 - 1949-70	Currently residential property.	PSC	E
264	Pit - Chalk	National Library of Scotland	N	1856-1913 - 1949-70		Infilled Land	E
265	Infilled Land - Pond	National Library of Scotland	N	1856-1931 - 1949-70		Infilled Land	E
266	Worked Ground	National Library of Scotland	N	1937-61 - 1949-70	1937-61 unspecified buildings.1949-70 (NLS) unspecified heaps. Area identified by local authority as a former anti-aircraft battery during 2nd world war.	PSC	E
267	Pit - Chalk	National Library of Scotland	N	1888-1913 - 1949-70		Infilled Land	E
268	Pit - Chalk	National Library of Scotland	N	1856-1913 - 1937-61		Infilled Land	E
269	Pit - Chalk	National Library of Scotland	N	1908 - 1913	Local authority suggest pit present in 1873.	Infilled Land	E
270	Pit - Chalk	National Library of Scotland	N	1888-1913 - 1949-70		Infilled Land	E
271	Pit - Chalk	National Library of Scotland	N	1888-1913 - 1937-61		Infilled Land	E
273	Water Works - Reservoir	National Library of Scotland	N	1938 - 1951	Reservoir(Portsmouth Water Works).	PSC	E
274	Infilled Land - Pond	National Library of Scotland	N	1937-61 - 1949-70		Infilled Land	E
275	Pit - Chalk	Historic Map 1860	N	1856 - 1980		Infilled Land	E
276	Pit - Chalk	Historic Map 1869	N	1856 - 1980		Infilled Land	E
277	Pit - Chalk	Historic Map 1869	N	1856 - 1978		Infilled Land	E
278	Pit - Chalk	Historic Map 1869, Groundsure Historical Industrial Land Uses layer	N	1856 - 1957		Infilled Land	E
279	Works - Kiln	Historic Map 1869	N	1869 - 1957		PSC	E
280	Infilled Land - Pond	Historic Map 1856	N	1856 - 1897		Infilled Land	E
281	Pit - Chalk	Historic Map 1873	N	1873 - 1980		Infilled Land	E
282	Works - Kiln	Historic Map 1856	N	1856 - 1957		PSC	E
283	Pit - Chalk	Historic Map 1856	N	1856 - 1993		Infilled Land	E
284	Pit - Chalk	Historic Map 1856	N	1856 - 1895		Infilled Land	E
285	Pit - Chalk	Historic Map 1856	N	1856 - 1873		Infilled Land	E
286	Infilled Land - Well	Historic Map 1868	N	1868 - 1965		Infilled Land	E
287	Pit - Chalk	Historic Map 1873	N	1873 - 1978		Infilled Land	E
288	Pit - Chalk	Historic Map 1895	N	1895 - 1980		Infilled Land	E
289	Pit - Chalk	Historic Map 1895	N	1895 - 1978		Infilled Land	E
290	Pit - Chalk	Historic Map 1895	N	1895 - 1957		Infilled Land	E
291	Pit - Chalk	Historic Map 1895	N	1895 - 1993		Infilled Land	E
292	Pit - Chalk	Historic Map 1895	N	1895 - 1941		Infilled Land	E
293	Pit - Chalk	Historic Map 1895	N	1895 - 1908		Infilled Land	E
294	Pit - Chalk	Historic Map 1897	N	1897 - 1972		Infilled Land	E
295	Pit - Chalk	Historic Map 1909	N	1909 - 1957		Infilled Land	E
296	Infilled Land - Pond	Historic Map 1909	N	1868 - 1957		Infilled Land	E
297	Military - Fort Widley	Historic Map 1963	Y	1850 - 1972	Various uses. Last military use 1972. See Zeticia Report P14032-24-R10 Site E. Sold to Portsmouth Council 1972.	Military	E
298	Farm - New Barns Farm	Historic Map 1968	Y	1968 - Present		PSC	E
299	Infilled Land - Pond	National Library of Scotland	N	1860 - 1913		Infilled Land	D
300	Pit - Chalk	National Library of Scotland	N	1888 - 1913		Infilled Land	D
301	Infilled Land - Pond	National Library of Scotland	N	1892 - 1914		Infilled Land	D
302	Pit - Chalk	National Library of Scotland, Havant Borough Council	N	1866 - 1980	Known or suspected filled ground.	Infilled Land	D
303	Pit - Chalk	National Library of Scotland	N	1888 - 1913		Infilled Land	D
304	Military - Farlington Redoubt	https://www.heritagegateway.org.uk/Gateway/. Zetica Detailed UXO report.	N	1860s - 1991	1860s - Farlington Redoubt, former barracks. Chalk pit 1931 - 1991. Chalk pit used as firing range during 1944.	Infilled Land	D
305	Waste Facility - Physical Treatment Facility	Google Earth	Y	Present	L&S Waste Management. EA Permit Number - DP3295HN, A16 : Physical Treatment Facility.	PSC	D
306	Pit - Chalk	National Library of Scotland	N	1860 - 1913	Former quarry	Infilled Land	D
307	Water Works - Treatment Works	Groundsure, Google Earth	Y	1931 - Present	Filter beds shown in the northern portion of the map. Filter tanks also shown on maps.	PSC	D
308	Water Works - Reservoir	National Library of Scotland	N	1897 - Present		PSC	D
310	Garage	Google Earth	Y	Present	Tyre repair / replacement garage.	PSC	E
311	Pit - Chalk	Historic Map 1859	N	1859 - 1932	Labelled 'old chalk pit' on 1859 map. Shown as 'Old chalk pit' and 'Collyer's Pit' on 1897 map buildings in the central area. Cottages shown by 1951.	Infilled Land	D
313	Pit - Chalk	National Library of Scotland	N	1859 - 1913	Eastern part extends across pipeline route.	Infilled Land	D
314	Pit - Unspecified	National Library of Scotland	N	1860-1913 - 1949-1970	Labelled 'The Dell'	Infilled Land	D
315	Infilled Land - Pond	National Library of Scotland	N	1869 - 1914		Infilled Land	D
316	Farm - Highbank Farm	National Library of Scotland	N	1970 - 1973		PSC	D
317	Infilled Land - Pond	National Library of Scotland	N	1888 - 1973		Infilled Land	D
318	Infilled Land - Pond	National Library of Scotland	N	1860 - 1913		Infilled Land	D
319	Water Works - Reservoir	National Library of Scotland	N	1897 - 1991	Reservoir(Portsmouth Water Works).	Infilled Land	D
320	Railway - Portsdown & Horndean (Tram)	Historic Map 1910, Wikipedia	N	1903 - 1935	Portsdown & Horndean Light railway (tram).	PSC	D
321	Electricity Sub Station (Small)	ArcGIS Earth	Y	1960 - Present		PSC	D
322	Pit - Chalk	Historic Map 1859	N	1859 - 1995		Infilled Land	D
323	Pit - Chalk	Historic Map 1859	N	1859 - 1971		Infilled Land	D
324	Pit - Chalk	Historic Map 1859	N	1859 - 1963		Infilled Land	E
325	Pit - Clay	Historic Map 1860, Havant Borough Council	N	1860 - 1907	Known or suspected Made Ground (local authority records).	Infilled Land	D
326	Pit - Sand	Historic Map 1860, Environment Agency, Havant Borough Council	N	1860 - 1960	Privett Road Sand Pit. Input data and type unknown.	Infilled Land	D
327	Infilled Land - Pond	Historic Map 1860	N	1860 - 1991		Infilled Land	D
328	Infilled Land - Pond	Historic Map 1860	N	1860 - 1869		Infilled Land	D
329	Pit - Chalk	Historic Map 1866	N	1866 - 1969		Infilled Land	D
330	Pit - Chalk	Historic Map 1866, Havant Borough Council	N	1866 - 1897	Known or suspected filled ground (local authority records).	Infilled Land	D
331	Pit - Unspecified	Historic Map 1868	N	1868 - 1897	Davis's Grave / Beris's Grave	Infilled Land	D
332	Infilled Land - Pond	Historic Map 1895	N	1895 - 1937		Infilled Land	D
333	Infilled Land - Pond	Historic Map 1895	N	1895 - Present		Infilled Land	D
334	Infilled Land - Pond	Historic Map 1895	N	1895 - 1930		Infilled Land	D
335	Infilled Land - Pond	Historic Map 1895	N	1895 - 1937		Infilled Land	D
336	Pit - Gravel	Historic Map 1897, Havant Borough Council, Groundsure Historical Industrial Use layer	N	1897 - 1930	Known or suspected filled ground (local authority records).	Infilled Land	D
337	Infilled Land - Pond	Historic Map 1898	N	1898 - 1907		Infilled Land	D
338	Pit - Sand	Historic Map 1930	N	1930 - 1937		Infilled Land	D
339	Pit - Sand	Historic Map 1930	N	1930 - 1952		Infilled Land	D

PSC No.	Name	Source	Current	Dates	Description	Category	Section
340	Military - Fort Purbrook	Historic Map 1932	Y	1861 - 1968	Various uses. Last military use 1968. See Zeticia Detailed UXO Report P14032-24-R11, D Site.	Military	D
341	Agricultural - Nursery	Historic Map 1937	N	1937 - 1963		PSC	D
344	Water Works	Historic Map 1950	Y	1950 - Present	Drain (covered).	PSC	D
345	Infilled Land - Drain	Historic Map 1950	N	1950 - 1993	Drain (covered).	Infilled Land	D
346	Infilled Land - Drain	Historic Map 1950	N	1950 - 1993		Infilled Land	D
347	Infilled Land - Drain	Historic Map 1950	N	1950 - 1973		Infilled Land	D
348	Infilled Land - Drain	Historic Map 1950	N	1950 - 1973		Infilled Land	D
349	Electricity Sub Station (Small)	Historic Map 1951	Y	1951 - Present		PSC	D
350	Infilled Land - Pond	Historic Map 1952	N	1952 - 1959		Infilled Land	D
351	Infilled Land - Drain	Historic Map 1960	N	1960 - 1979		Infilled Land	D
352	Farm - Highbank Farm	Historic Map 1960	N	1960 - 1973		PSC	D
353	Infilled Land - Pond	Historic Map 1960	N	1960 - 1973		Infilled Land	E
354	Infilled Land - Drain	Historic Map 1960	N	1960 - 1975		Infilled Land	E
355	Infilled Land - Drain	Historic Map 1960	Y	1960 - Present	Looks to be covered but still mapped. Possibly realigned but Groundsure show a watercourse in this location by woodland	Infilled Land	E
356	Infilled Land - Swimming Pool	Historic Map 1969	N	1969 - 1982	Swimming Pool.	Infilled Land	D
357	Electricity Sub Station (Small)	Historic Map 1968	Y	1968 - Present		PSC	D
358	Water Works	Historic Map 1969	Y	1969 - Present	Reservoir (Covered).	Infilled Land	D E
359	Infilled Land - Swimming Pool	Historic Map 1969	N	1969 - 1973	Swimming Pool.	Infilled Land	D
360	Infilled Land - Swimming Pool	Historic Map 1969	N	1969 - 1973	Swimming Pool.	Infilled Land	D
361	Pit - Chalk	Historic Map 1969	N	1859 - 1980	Northern portion crosses pipeline route.	Infilled Land	D
363	Electricity Sub Station (Small)	Historic Map 1971	Y	1971 - Present		PSC	D
364	Water Works	Historic Map 1973	N	1973	Tank.	PSC	D
365	Water Works	Historic Map 1973	N	1973 - 1991		PSC	D
366	Water Works - Reservoir	Historic Map 1991	Y	1991 - Present	Covered Reservoir.	Infilled Land	D
367	Pit - Chalk	Historic Map 1993	N	1991 - Present	Potentially Infilled.	Infilled Land	D E
368	Infilled Land - Marshland	Historic Map 1993	Y	1993 - Present		Infilled Land	E
369	Infilled Land - Marshland	Historic Map 1993	Y	1993 - Present		Infilled Land	E
370	Infilled Land - Made Ground (BGS)	Historic Map 1866, Havant Borough Council	N	1866 - 1974	Potential infill with Earth Spoils, Domestic Refuse, Incinerator Ash (local authority records).	Infilled Land	WRP (C), Budds Farm to WRP (C)
372	Infilled Land - Marshland	Historic Map 1866	N	1866 - 1993	Broad Marsh.	Infilled Land	WRP (C), Budds Farm to WRP (C), D
375	Infilled Land - Watercourse	Historic Map 1867	N	1863 - 1969	Former Hermitage Stream to Storehouse Lake.	Infilled Land	WRP (C), Budds Farm to WRP (C)
378	Wastewater Treatment Works - Budds Farm	Historic Map 1969	Y	1969 - Present	Budd's Farm Sewage Works.	PSC	Budds Farm (C), Budds Farm to WRP (C)
379	Wastewater Treatment Works - Lagoons	Historic Map 1969	N	1969 - 1991	Sewage Sludge.	Infilled Land	Budds Farm (C), Budds Farm to WRP (C)
381	Works - Aggregate	Historic Map 1991	Y	1991 - Present	Aggregate works currently owned by Tarmac. Hanson ready mixed concrete plant located on site.	PSC	Budds Farm to WRP (C)
382	Works	Google Earth, Historic Map 1971, Havant Borough Council	Y	1958 - Present	Garage / Depot / Works / Factory. Area of known or suspected filled ground (local authority records).	PSC	WRP to Havant Thicket Reservoir (B)
383	Railway - Building and siding	National Library of Scotland	N	1892 - 1914	Historical Maps do not detail use. Possibly for storage.	PSC	WRP to Havant Thicket Reservoir (B)
385	Infilled Land - Pond	National Library of Scotland	N	1892 - 1914	In proposed tunnel area.	Infilled Land	WRP to Havant Thicket Reservoir (B)
386	Infilled Land - Watercourse	National Library of Scotland	N	1888 - 1913		Infilled Land	WRP to Havant Thicket Reservoir (B)
387	Works - Corn Mill	National Library of Scotland, Historic Map 1866	N	1866 - 1951	Including Mills Dams and pond areas that have been infilled.	PSC	WRP to Havant Thicket Reservoir (B)
388	Wastewater Treatment Works	National Library of Scotland	N	1931 - 1966	Tanks and filter beds shown on 1939 historical map onwards.	PSC	WRP to Havant Thicket Reservoir (B)
389	Infilled Land - Watercourse	National Library of Scotland, Havant Borough Council	N	1892 - 1978	Area of known or suspected infilled soils (local authority records)	Infilled Land	WRP to Havant Thicket Reservoir (B)
391	Railway - South Western Railway	Historic Map 1866	Y	1866 - Present	South Western Railway branch line.	PSC	WRP to Havant Thicket Reservoir (B), D
392	Infilled Land - Pond	Historic Map 1866	N	1866 - 1951		Infilled Land	WRP to Havant Thicket Reservoir (B)
393	Infilled Land - Pond	Historic Map 1886	N	1868 - 1971		Infilled Land	WRP to Havant Thicket Reservoir (B)
394	Infilled Land - Pond	Historic Map 1886	N	1868 - 1907		Infilled Land	WRP to Havant Thicket Reservoir (B)
395	Water Works - Tank	Historic Map 1939	N	1939 - 1961		PSC	WRP to Havant Thicket Reservoir (B)
396	Water Works - Tank	Historic Map 1939	Y	1939 - Present		PSC	WRP to Havant Thicket Reservoir (B)
397	Water Works - Tank	Historic Map 1939	Y	1939 - Present		PSC	WRP to Havant Thicket Reservoir (B)
398	Water Works - Tank	Historic Map 1939	Y	1939 - Present		PSC	WRP to Havant Thicket Reservoir (B)
399	Water Works - Tank	Historic Map 1939	Y	1939 - Present		PSC	WRP to Havant Thicket Reservoir (B)
400	Water Works - Tank	Historic Map 1939	Y	1939 - Present		PSC	WRP to Havant Thicket Reservoir (B)
401	Water Works - Tank	Historic Map 1939	Y	1939 - Present		PSC	WRP to Havant Thicket Reservoir (B)
403	Wastewater Treatment Works	Historic Map 1952	N	1952 - 1957	1952 map shows sludge beds, filter beds, settling tanks, congestion tanks (east of Dunsbury Way) and humus tanks (west side of Dunsbury Way). Now an industrial estate.	PSC	WRP to Havant Thicket Reservoir (B)
405	Infilled Land - Pond	Historic Map 1953	N	1953 - 1971	Pond likely infilled, now forms part of residential gardens.	Infilled Land	WRP to Havant Thicket Reservoir (B)
406	Infilled Land - Pond	Historic Map 1953	N	1953 - 1973		Infilled Land	WRP to Havant Thicket Reservoir (B)
407	Water Works - Pumping station	Historic Map 1955	N	1955 - 1998		Infilled Land	WRP to Havant Thicket Reservoir (B)
408	Farm - Health Farm	Historic Map 1955	N	1955 - 1973	Farm	PSC	WRP to Havant Thicket Reservoir (B)
409	Infilled Land - Pond	Historic Map 1955	N	1955 - 1978	Pond, potentially infilled land	Infilled Land	WRP to Havant Thicket Reservoir (B)
411	Infilled Land - Drain	Historic Map 1955	N	1955 - 1978		Infilled Land	WRP to Havant Thicket Reservoir (B)
413	Infilled Land - Drain	Historic Map 1963	N	1963 - 1973		Infilled Land	WRP to Havant Thicket Reservoir (B)
414	Infilled Land - Drain	Historic Map 1963	N	1955 - 1973		Infilled Land	WRP to Havant Thicket Reservoir (B)
415	Farm - Hook's Farm	Historic Map 1966	N	1966 - 1971	Farm.	PSC	WRP to Havant Thicket Reservoir (B)
416	Infilled Land - Drain	Historic Map 1966	N	1966 - 1971	Drain - Infilled Land.	Infilled Land	WRP to Havant Thicket Reservoir (B)
417	Infilled Land - Drain	Historic Map 1966	N	1961 - 1973		Infilled Land	WRP to Havant Thicket Reservoir (B)
418	Infilled Land - Drain	Historic Map 1967	N	1967 - 1987		Infilled Land	E
420	Infilled Land - Swimming Pool	Historic Map 1974	Y	1974 - 1993	Swimming Pool - No Longer present, last record 1993.	PSC	WRP to Havant Thicket Reservoir (B)
421	Infilled Land - Pond	National Library of Scotland	N	1892 - 1914		Infilled Land	E
422	Farm - Dunsbury Hill Farm	National Library of Scotland, Google Earth	N	1840-1880- 1999	Last available map shown 1963 NLS map. Not shown on 1999 google photography.	PSC	E
424	Infilled Land - Pond	Historic Map 1952	Y	1866 - 1966	Pond - Potentially still present but obscured by trees.	Infilled Land	Havant Thicket Reservoir (A)
425	Infilled Land - Swimming Pool	Historic Map 1952	N	1952 - 1956	Swimming Pool - Part of Stockheath Naval Camp.	Infilled Land	Havant Thicket Reservoir (A)
426	Embankment	Historic Map 1956	N	1956 - 1964	Embankment - Crosses Pipeline Route.	PSC	WRP to Havant Thicket Reservoir (B)
427	Infilled Land - Drain	Historic Map 1975	Y	1975 - Present	Drain - Likely still present, potentially obscured by trees.	Infilled Land	Havant Thicket Reservoir (A)
428	Infilled Land - Drain	Historic Map 1988	N	1988 - 1991		Infilled Land	Havant Thicket Reservoir (A)
429	Infilled Land - Marshland	Historic Map 1866	N	1866 - 1938		Infilled Land	WRP (C), WRP to Bedhampton Springs (B)
430	Infilled Land - Pond	Historic Map 1951	N	1939 - 1969	Potentially still present.	Infilled Land	D

PSC No.	Name	Source	Current	Dates	Description	Category	Section
431	Works - Portsdown Windmill	Historic Map 1869	N	1856 - 1869		PSC	E
432	Pit - Unspecified	Historic Map 1980, Groundsure Historical Industrial Land use and waste disposal layers	N	1856 - 1991	Disused pit on 1980 map. Widley Dell on previous maps. Groundsure Waste Disposal layer notes 1952 used as landfill or other waste disposal site. Site may extend southwest outside of boundary.	Infilled Land	E
433	Pit - Chalk	Historic Map 1941	N	1908 - 1957		Infilled Land	E
434	Pit - Chalk	Historic Map 1908	N	1908 - 1993		Infilled Land	E
435	Pit - Gravel	Historic Map 1868	N	1868 - 1950		Infilled Land	G
437	Infilled Land - Worked Ground (BGS)	BGS	N	1963 - 1993	Appears to have been infilled by 1993.	Infilled Land	M
438	Infilled Land - Made Ground (BGS)	BGS	N	Unknown		Infilled Land	M
439	Pit - Unspecified	Groundsure Historical Land Use Layer	N	1869 - 1957		Infilled Land	L
440	Infilled Land - Made Ground (BGS)	BGS	N	Unknown		Infilled Land	L
441	Landfill - Crowd Hill Landfill	Environment Agency	N	1962 - 1972	SW Phase 2 ground investigation 2023 found very little to denote landfill. Approx 0 - 0.5m MG overlying natural deposits.	Infilled Land	L
442	Works - Brick works	Groundsure Historical Industrial Land Use layer	N	1895		PSC	L
443	Landfill - Land at Rossgarth Landfill	Hampshire County Council, Environment Agency. Phase 3c GI	N	1988 - 1995	EA input 1988 to 1995 (licence surrendered).Inert waste. Local authority note - 'Gas risk - Gassing, Permeability - high'. Boundary extended west following Phase 3c GI hole 3J5007DS. MG to 3.6m bgl inc brick, concrete, glass, ceramics, cement.	Infilled Land	J
444	Works - Smithy	Groundsure Historical Industrial Land Use layer	N	1910		PSC	H
445	Worked Ground - unspecified	Groundsure Historical Land Use Layer	N	1965 - 1987	LiDAR shows ground level lower than surrounding area. Potentially not infilled.	Infilled Land	H
446	Worked Ground - Unspecified heap	Groundsure Historical Industrial Land Use layer	N	1868 - 1965		PSC	H
447	Pit - Unspecified	Groundsure Historical Industrial Land Use layer	N	1868 - 1869		Infilled Land	H
448	Landfill - Firth Lane Sand Pit	Winchester City Council, Hampshire County Council, Environment Agency, Google Earth	N	1998 - 2007	A01: co-disposal landfill site (EA), Licence application desk study undertaken 1997. Google Earth appears to show site closure by 2007.	Infilled Land	H
449	Landfill - Quob Copse Landfill	Environment Agency	N	1971 - 1972	Droxford Rural District Council, household / commercial landfill.	Infilled Land	G
450	Worked Ground - unspecified	Groundsure Historical Industrial Land Use layer	N	1908 - 1938		Infilled Land	G
451	Fuel Filling Station	Groundsure Historical Garages Layer	N	1961 - 1993	Information from Groundsure layer. Site is currently residential properties and a public house.	PSC	E
452	Infilled Land - Christ Church, London Road	Havant Borough Council	N	1897 - 1998	Waste type - Putrescible.	PSC	D
453	Pit - Unspecified	Groundsure Historical Industrial Land Use layer	N	1895		Infilled Land	D
454	Landfill - Disused Sand Pit B Brick and Tile works	Groundsure Historical Industrial Land use / Havant Borough Council	N	1930 - 1938	Local authority - suspected filled ground along the south of site.	Infilled Land	D
455	Pit - Unspecified	Groundsure Historical Industrial Land Use layer	N	1898 - 1938		Infilled Land	D
456	Landfill	Portsmouth City Council	N	1952	Waste disposal / unknown infill. Considered a landfill by the local authority.	Infilled Land	D
457	Pit - Chalk	Havant Borough Council, Groundsure Historical Industrial Land Use layer	N	1895 - 1963	Unknown material used to fill a small quarry hole.	Infilled Land	D
459	Infilled Land - Made Ground (BGS)	BGS / Havant Borough Council	Y	1969 - Present	Known or suspected infilled soils (local authority records). Historical mapping shows potential highways construction activities.	Infilled Land	WRP to Havant Thicket Reservoir (B), WRP (C), Budds Farm to WRP (C), D
460	Landfill - Land South of Budds Farm	Environment Agency, Havant Borough Council	N	2014	Bund erosion and water egress noted to EA. Former domestic waste landfill.	Infilled Land	Budds Farm (C), Budds Farm to WRP (C)
461	Infilled Land - Made Ground (BGS)	BGS	N	Unknown		Infilled Land	E
462	Landfill - Bedhampton Waterworks	Environment Agency, Havant Borough Council, Groundsure Historical Industrial Land use	N	Unknown	L05 inert landfill registered to Portsmouth Water. Area of known or suspected infilled soils (local authority records).	Infilled Land	WRP to Havant Thicket Reservoir (B)
463	Worked Ground - Heap	Groundsure Historical Industrial Land Use layer	N	1910 - 1963	Unspecified heap apart from 1931 which is recorded as unspecified ground workings. Tank recorded on site between 1897 - 1910.	Infilled Land	Havant Thicket Reservoir (A)
464	Pit - Unspecified	Groundsure Historical Industrial Land Use layer	N	1963 - 1991	Potential embankment on Historical Mapping.	Infilled Land	WRP to Havant Thicket Reservoir (B)
465	Pit - Unspecified	Groundsure Historical Industrial Land Use layer	N	1907 - 1963		Infilled Land	WRP to Havant Thicket Reservoir (B)
466	Landfill - Harts Farm Landfill	Environment Agency	N	1978 - unknown	Household waste landfill, site ref FHA15, 1760/1/13/6.	Infilled Land	WRP (C), Budds Farm to WRP (C), D
467	Worked Ground - unspecified	Groundsure Waste Disposal and Historical Industrial Uses layers	N	1952	Unknown hole. Potentially landfilled.	Infilled Land	E
468	Military - Research Facility	Google Maps, http://www.portsdown-tunnels.org.uk/	Y	1950 - Present	QinetiQ Technology Business park. Potential tanks on site.	Military	E
469	Military - Fort Southwick	Winchester County Council, / http://www.portsdown-tunnels.org.uk/	N	1861 - 2002	Various uses. Last military use 1968. See Zeticia Detailed UXO Report P14032-24-R11, D Site.	Military	E
470	Worked Ground - unspecified	Groundsure Historical Industrial Land Use layer	N	1986 - 1987		Infilled Land	H
471	Worked Ground - unspecified	Groundsure Historical Industrial Land Use layer	N	1987		Infilled Land	J
472	Landfill - Crowd Hill Landfill	BGS Historical Landfill point	N	Unknown	Risk code G2, boundaries unknown, location shown at point.	Infilled Land	L
473	Worked Ground - unspecified	Groundsure Historical Industrial Land Use layer	N	1957 - 1968		Infilled Land	L
474	Military - Wintershill Hall (Former military / civilian base)	https://wintershill.net/about/	N	1941 - 1946	Headquarters of the Hampshire Fire Service. The lower lawn was covered in Nissen huts for offices and additional accommodation. 20m south of BPT-4.	PSC	K
475	Garage	Google Earth, Site visit 04052023	Y	Unknown - Present	Streetview shows Motorhome Service Centre. Above ground tank (metal) and bunded tank (plastic) at approx. 456320, 111685.	PSC	G
476	Works - Parchow Groundworks	Ground investigation site visit 26 March 2023	Y	Unknown - Present	Former telephone exchange.	PSC	E
478	Infilled Land - Artificial Ground	ROL-2-562-575-0135-1979 MAP	N	1937 - 1993	Artificial Land / Worked Ground may be associated with removal of woodlands	Infilled Land	M
479	Water Works - Pump house	A60-21-SU-0089	Y	1988 - Present	Pump House.	PSC	D
480	Pit - Various	HAM-076-10-XX-1909-G-01	N	1909 - 1932	Potentially Infilled Pit (Sand and Gravel) associated with RTD deposits.	PSC	D
481	Waste Facility - Incinerator	Groundsure 2023 Report	N	1987 - 1993		PSC	WRP (C)
482	Infilled Land - Pond	SU51SE-03-G-1957	Y	1939 - 1957	Former Un-named building which at present is an infilled pond (associated with the River Meon).	PSC	G
483	Farm - Crockerhill Farm	SU-51SE-03-G-1957	Y	1957		PSC	F
484	Farm - Building (potential)	SU-51E-03-G-1957	Y	1957		PSC	G
485	Wastewater Treatment Works	SU-51SE-01-G_1987	Y	1987	Sewage Works with 5 tanks, two settlement tanks.	PSC	G
487	Building - Un-named	HAM-075-03-XX-1941-G-01_1941	Y	1941		PSC	E
488	Infilled Land - Pond	ROL-4-1741-1750-0290_1986	Y	1986		Infilled Land	F
490	Infilled Land - Pond	SU810_S1_SEP_1994_1994	Y	1994		Infilled Land	F
492	Infilled Land - Pond	SU6109_1965_1965	Y	1965		Infilled Land	E
493	Railway - Meon	SU-51SE-03-G_1957	Y	1909 - 1957	Meon Railway.	PSC	G
494	Infilled Land - Pond	SU5909_S1_NOV_1992_1992	Y	1992		Infilled Land	F
495	Water Works - Reservoir (covered)	SU-51SE-01-G-1987	Y	1987		PSC	F G
496	Pit - Gravel	HAM-075-02-xx-1932	N	1932		Infilled Land	F
498	Wastewater Treatment Works	Groundsure Google Earth	Y	1965 - Present		PSC	E
499	Landfill	Portsmouth Borough Council Waste Disposal GIS	N	1952 - 1980	Potential landfill recorded by local authority, unknown infill (dated 1952 by local authority).	Infilled Land	E
500	Military - Belmont Camp II	Safelane WfL UXO Report 9714 RA Section 9.1.3	N	1940 - 1950	Camp's facilities included classrooms, training grounds, barracks, and administrative buildings.	PSC	D
501	Military - Stockheath Naval Camp	Safelane WfL UXO Report 9714 RA Section 9.1.3	N	1941 - 1970	Nissen huts in west of Camp, assault course south of PSC 425 swimming pool, practice trench in the north. South of PSC 428 drain. Site demolished in 1950 to 1970 and replaced with housing	Military	WRP to Havant Thicket Reservoir (B)
502	Military - HMS Daedalus III	Safelane WfL UXO Report 9714 RA Section 9.1.3 / Zetica P14032-24-R1-A Zetica UXO Desk Study Havant Thicket Pipeline	N	1940 - 1950	Camp's facilities included classrooms, training grounds, barracks, and administrative buildings. Eastern extent passes pipeline route.	Military	WRP to Havant Thicket Reservoir (B)
503	Military - Fraser Naval Camp	Safelane WfL UXO Report 9714 RA Section 9.1.3	N	1940 - 1950	Camp's facilities included classrooms, training grounds, barracks, and administrative buildings. Northern part of the former barracks potentially passes through the pipeline route.	Military	WRP to Havant Thicket Reservoir (B)
504	Military - Belmont Naval Camp	Safelane WfL UXO Report 9714 RA Section 9.1.3	N	1940 - 1950	Camp's facilities included classrooms, training grounds, barracks, and administrative buildings.	Military	WRP to Havant Thicket Reservoir (B)
505	Farm - Widley Farm	Groundsure 2023 Report Winchester County Council	N	1860 - 1980	Farm buildings. Unknown filled ground (possible pond) noted in east of site by local authority	PSC	E
507	Farm - Offwell Farm	Groundsure 2023 Report	Y	1867 - Present		PSC	E
508	Landfill - Whitedell Farm	Environment, Agency Groundsure	N	1980 - 1982	Licence 10/14, FFA7, 1760/7 - Inert landfill.	PSC	F
509	Farm - Cloverfield Farm	OS Zoomstack maps	Y	2005 - Present		PSC	H
510	Worked Ground	Google Maps	Y	2023		PSC & Infilled Land	F
511	Worked Ground	Google Maps	Y	2023	Potential stockpile of unknown soil.	Infilled Land	F
512	Farm - Pig farm (potential)	Google Earth (2005)	N	2005 - 2007	Potential pig Farm.	PSC	H

PSC No.	Name	Source	Current	Dates	Description	Category	Section
513	Farm - Barn	Google Maps, Groundsure Maps	Y	1986 - Present		PSC	G
515	Infilled Land - Artificial Ground	Groundsure Historic Maps	N	1937 - 1993		Infilled Land	M
516	Pit - Gravel	Groundsure Historic Maps, Winchester City Council Contaminated Land Data	N	1938 - 2010		Infilled Land	M
517	Farm - Storage area	Google Earth	Y	2015 - Present	Storage area.	PSC	M
519	Infilled Land - Artificial Ground	Winchester City Council Contaminated Land Data (Site Reports)	N	2016		Infilled Land	M
520	Infilled Land - Marshland	Groundsure Historic Maps	N	1868 - 1968		Infilled Land	L
522	Infilled Land - Marshland	Groundsure Historic Maps	N	1939 - 1968		Infilled Land	L
523	Farm - Storage area	Google Earth	Y	2000 - Present	Storage area.	PSC	L
524	Infilled Land - Watercourse	Groundsure Historic Map 1869, LIDAR data	N	1869 - 1888		Infilled Land	L
525	Infilled Land - Pond	Groundsure Historic Maps, LIDAR data, Google Earth	N	1868-1992		Infilled Land	L
526	Farm - Storage area	Google Earth, LIDAR data	Y	2014 - Present	Storage area for farm / stables to the southeast.	PSC	L
527	Embankment	Groundsure Historic Maps, LIDAR data	Y	1964 - Present		Infilled Land	L
528	Agricultural - Orchard	Groundsure Historic Maps	N	1868 - 1957		PSC	K
529	Worked Ground - Stockpile	Google Earth, LIDAR data	N	2012 - Present	Ground workings. Soil heap first visible in 2012, still present but overgrown in 2024 aerial photography.	PSC	K
530	Worked Ground - unspecified	Google Earth, Google Maps, LIDAR data	Y	2019 - Present		PSC	K
531	Infilled Land - Watercourse	Groundsure Historic Maps	N	1868 - 1964		Infilled Land	K
532	Infilled Land - Made Ground (BGS)	BGS, LIDAR data, Google Earth	N	Unknown	BGS Made Ground	Infilled Land	K
533	Embankment - (potential)	Groundsure Historic Maps, LIDAR data	Y	1964 - Present		PSC	J
534	Embankment	Groundsure Historic Maps, LIDAR data	Y	1964 - Present		PSC	J
535	Tank	Groundsure Historic Maps, Google Earth	N	1993 - 2012		PSC	J
536	Infilled Land - Pond	Groundsure Historic Maps, LIDAR data	N	1869 - 1964		Infilled Land	J
538	Farm - Storage area	Google Earth, Google Maps	Y	2019 - Present	Storage area.	PSC	J
539	Worked Ground - Stockpile	Google Earth, LIDAR data	Y	2014 - Present	Unspecified heap.	PSC	J
540	Farm - Storage area	Google Earth, Google Maps	Y	2012 - Present	Storage area.	PSC	J
541	Agricultural - Orchard	Groundsure Historic Maps	N	1868 - 1968		PSC	J
542	Infilled Land - Pond	Groundsure Historic Maps, LIDAR data	N	1868 - 1957		Infilled Land	J
543	Infilled Land - Pond	Groundsure Historic Maps	N	1868 - 1869		Infilled Land	H
544	Infilled Land - Marshland	Groundsure Historic Maps	N	1895 - 1896		Infilled Land	H
545	Farm - Building	Google Earth	Y	2005 - Present	Farm building.	PSC	H
546	Farm - Yard / Storage area	Google Earth	Y	2012 - Present	Yard / Storage area.	PSC	H
547	Farm	Google Earth	Y	pre-1999 - Present		PSC	H
548	Farm	Groundsure Historic Maps, Google Earth	Y	1868 - Present		PSC	K
582	Filter Beds or Potential Tanks	Historical Maps A28-17-SU7006SW 1959, Google Earth	N	1959-2007		PSC & Infilled Land	B
584	Tanks	Historical Maps 1969	Y	1969 - Present		PSC	D
587	Tanks	Historical Maps - 1939 HAM-076-10-XX-1939	N	1939 - 1969		PSC & Infilled Land	WRP to Havant Thicket Reservoir (B)
588	Farm - Mayles Farm	Historical Map - A48-06-SU-0380-1980	Y	1980 - Present		PSC	G
592	Pit - Gravel	Groundsure Historical Maps	N	1859 - 1985		Infilled Land	F
593	Infilled Land - Reservoir	Historical Maps - HAM-075-01-XX-1910	N	1897 - 1910		Infilled Land	F
594	Infilled Land - Pond	Historical Maps - HAM-075-01-XX-1859	N	1856 - 1957		Infilled Land	F
595	Farm - Castle Farm	Historical Maps HAM-067-13-XX-1897-G-01	Y	1897 - Present		PSC	G
596	Wastewater Treatment Works - Filter beds / tanks	Historical Maps - A54-02-SU-0360_1969	N	1939 - 1993		PSC & Infilled Land	WRP to Havant Thicket Reservoir (B)
597	Wastewater Treatment Works - Settlement Tanks	Historical Maps 2500 A33-18-SU-0239_1952	N	1952 - 1958		PSC & Infilled Land	WRP to Havant Thicket Reservoir (B)
598	Wastewater Treatment Works - Filter beds (former)	Historical Maps 2500 - A33-18-SU-0239_1952	N	1952 - 1964		PSC	WRP to Havant Thicket Reservoir (B)
599	Tank - Congestion	Historical Maps 2500 - A33-18-SU-0239_1952	N	1952 - 1958		PSC & Infilled Land	WRP to Havant Thicket Reservoir (B)
600	Infilled Land - Former Sludge Beds	Historical Maps - 2500 A33-18-SU-0239_1952	N	1952 - 1958		PSC & Infilled Land	WRP to Havant Thicket Reservoir (B)
601	Water Works - Pumping station	Historical Map - A49-02SU-0211_1971	N	1955 - 1975		PSC	WRP to Havant Thicket Reservoir (B)
602	Embankment	A28-22-SU7107-1_1955	N	1955 - 1971		PSC	WRP to Havant Thicket Reservoir (B)
603	Tank	Historical Maps - SU7108SE_1971 TO 1993, Google Earth	Y	1971 - Present		PSC	WRP to Havant Thicket Reservoir (B)
604	Electricity Sub Station (Small)	Historical Mapping - SU107SW_1969, Google Street View	Y	1969 - Present		PSC	WRP to Havant Thicket Reservoir (B)
605	Electricity Sub Station (Small)	Historical Maps - A60-01-SU-0576_1973, Groundsure Historical Energy Features	Y	1973 - Present	Potentially 2 substations have existed at this location. 1st substation approximately 1973 later replaced approximately 1993.	PSC	D
606	Infilled Land - Pond	Historical Map - A28-08-SU108NW-1_1957	N	1952 - 1964		Infilled Land	Havant Thicket Reservoir (A)
607	Fuel Petrol Filling Station	Google Earth Imagery	Y	1999 - Present		PSC	G
609	Electricity Sub Station (Small)	A32-04-SU7008-4_1964 - Groundsure	N	1964 - 1971		PSC	WRP to Havant Thicket Reservoir (B)
610	Garage	A32-04-SU7008-4_1964 - Groundsure	N	1964 - 1995		PSC	WRP to Havant Thicket Reservoir (B)
611	Farm - Leigh Park Farm	Groundsure Historical Map 1975	N	1991 - Present		PSC	WRP to Havant Thicket Reservoir (B)
612	Pit - Unspecified	Groundsure 2024 Report	N	1968 - 1980	Unspecified Hole. No additional information on Groundsure maps. Potentially an infilled pit.	Infilled Land	M
613	Water Works - Pumping station	Groundsure 2024 Report	N	1980	Groundsure maps indicate a pumping station.	Ground Investigation	L
614	Wastewater Treatment Works	Aerial imagery and Groundsure 2024 reporting	Y	1993 - Present	Sewage Treatment Works.	PSC	K
621	Works - Industrial Estate	Groundsure	N	1939 - 1992	Saw Mills between 1939 - 1990s, then industrial estate.	PSC	F
622	Military - Anti-aircraft Battery	Winchester City Council	N	1939 - 1946	Dates are approximate. Information from Winchester City Council Potential Contaminative use GIS 1_2500 2km buffer 2022.	PSC	Havant Thicket Reservoir (A)
623	Military - Leigh Park House	Zetica Detailed Desk Study	N	1940 - 1957	Used by Admiralty Mine Design Department for administration and design of mines, depth changes and minesweeping. Explosive stored in the 'ice house'. See Zetica Detrail Risk Assessment for detail.	PSC	Havant Thicket Reservoir (A)
624	Pit - Unspecified	Groundsure Winchester City Council	N	1868	Shown only on 1868 map. Reduced ground level also visible on LiDAR.	Infilled Land	E
626	Infilled Land - Drain	Groundsure	N	1868 - 1980	Partially infilled by 1980 south of Mayles Lodge.	Infilled Land	G
627	Infilled Land - Drain	Groundsure	N	1868 - 1994	Drain south of sewage works no longer shown on maps.	Infilled Land	G
628	Works - Depot	Groundsure Google Maps Winchester City Council	Y	1964 - Present	'Depot' shown on maps until 1989. Buildings remain on 2019 Google Earth photography	PSC	K

Appendices

Appendix A: Section L Desk Study Information Specific to the Ground Investigation

Table A1 summarises desk study information specific for the Phase 2 GI areas in Section L. The information was used to develop the preliminary conceptual site model (CSM) presented in the HWTWRP Geotechnical and Geo-environmental desk study Version 4 (SSP, 2024).

Table A1: Geo-environmental Desk Study Summary Information for Phase 2 GI Locations Section L

		2L6000TP, 2L6001TP, 2L6004TP, 2L6006TP, 2L6002SA, 2L6003SA and 2L6005SA	2L6007DR and 2L6008DR	2L6009DR and 2L6010DR	2L6011SR and 2L6012SR
Geology	**Superficial Deposits**	Head Deposits	Alluvium	Alluvium and River Terrace Deposits	River Terrace Deposits
	Bedrock Geology	London Clay Formation (Sand), London Clay Formation (Clay, Silt, Sand)	London Clay Formation (Clay, Silt, Sand)	London Clay Formation (Clay, Silt, Sand)	London Clay Formation (Clay, Silt, Sand) and Lambeth Group
	Artificial/Made Ground [1]	Made Ground (PSCs No. 440 and 441)	None	None	None
Hydrogeology	**Bedrock Aquifer Classification**	Unproductive stratum (London Clay)		Unproductive stratum (London Clay and Lambeth)	
	Superficial Aquifer Classification	Secondary Undifferentiated	Secondary A Aquifer	Secondary A Aquifer	Secondary A Aquifer
	Source Protection Zones (SPZs)	None			
	Groundwater Abstractions [1]	Fish Farm / Cress Pond: c. 470 m north	Fish Farm / Cress Pond: c. 85 m north	Fish Farm / Cress Pond: c. 400 m east.	None within 500 m
Hydrology	**Surface Watercourses**	Bow Lake Watercourse from approximately 140 m north.	Bow Lake watercourse approximately 50 m north.	Bow Lake Watercourse Trenchless Crossing to go beneath watercourse.	Unnamed tributary of the Itchen Trenchless Crossing beneath watercourse.
	Surface Water Abstractions [1]	Fish / Cress Farm throughflow c. 470 m north	Fish / Cress Farm throughflow c. 370 m north/northeast	None within 500 m	
	Nitrate Vulnerable Zone	S811 Bow Lake NVZ			
Flooding	**Risk for Surface Water**	Low Risk within the vicinity of Winchester Road	High Risk due to the Bow Lake Watercourse	High Risk due to unnamed tributary of the Itchen	
	Risk for Rivers and the sea	Flood Zone 1	Flood Zone 3		
Site History	**On-Site**	Earliest and current mapping shows the location of the exploratory holes as agricultural land. There is no evidence of earthworks / landfilling activity on historical mapping over time at the location of the Crowd Hill historical landfill (PSC No. 441) / BGS Made Ground (PSC No. 440), however, EA records show this to be active between 1962 and 1972.			
	Surrounding Land	Colden Common village developed to the north of the route and a pond was noted within Colden Common Wood. Other notable features from early mapping include Bow Lake situated approximately 1 km west with an associated watercourse flowing in an east/west direction. A Brick works and associated brick field is noted to have been present in the west (closest borehole is 2L6005SA, to the east) of Section L between the late 1880s to the 1930s and along Portsmouth Road a row of industrial premises including garages, workshops and a scrap yard which have been present since the 1980s, between approximately 170 m to 450 m north/northeast of the current pipeline route.			
Pollution Incidents		There are no pollution incidents (category 1 or 2) within 50 m of the GI locations.			
Landfill Sites		PSC No. 441 Crowd Hill Landfill assumed on-Site and approximately 50 m from 2L6006TP.	PSC No. 441 c.230m southeast of borehole location.	None within 250 m.	None within 250 m.
Ecological Sensitivity (250m radius)	**Sites of Special Scientific Interest (SSSI)**	None Present			
	Special Areas of Conservation (SAC)				

		2L6000TP, 2L6001TP, 2L6004TP, 2L6006TP, 2L6002SA, 2L6003SA and 2L6005SA	2L6007DR and 2L6008DR	2L6009DR and 2L6010DR	2L6011SR and 2L6012SR
	Special Protection Areas (SPAs)				
	RAMSAR site				
	National Parks	South Downs National Park >1 km northeast			
	Ancient Woodlands	Hill Copse Woodland	Fishers Pond Wood <50 m north	Park Hills Wood 50 m to 250 m	Lords Wood <50m south
Preliminary Risk Assessment	**Overall Risk Assessment**	High risk though posed to construction workers from PSC No's. 440 and 441 due to potentially coming into contact with landfill material.	N/A – not targeting PSCs		

1. active groundwater and surface water abstractions within 1 km; surface waters up to 250 m; artificial ground up to 250 m. All distances are approximate.

Table A2 summarises desk study information specific for the Phase 3B/3C GI areas in Section L. The information was used to develop the preliminary conceptual site model (CSM) presented in the HWTWRP Geotechnical and Geo-environmental desk study Version 3 (SSP, 2023)

Table A2: Geo-environmental Desk Study Summary Information for Phase 3 GI Locations Section L

		3L6013HP, 3L100HP, 3L6015HP, 3L6101DS, 3L6102HP, 3L6017HP	3L6103HP, 3L6104HP, 3L6105HP, 3L6023HP, 3L6024HP	3L6106DS, 3L6107DS	3L6026HP, 3L6027HP, 3L6028HP, 3L6029HP	3L6041HP, 3L6042HP, 3L6043HP, 3L6044HP, 3L6045HP, 3L6046HP
Geology	**Superficial Deposits**	None	None	None	Alluvium (only recorded beneath 3L6026HP)	River Terrace Deposit (only recorded beneath 3L6046HP)
	Bedrock Geology	London Clay Formation (Clay, Silt, Sand)	London Clay Formation (Clay, Silt, Sand)	London Clay Formation (Clay, Silt, Sand)	London Clay Formation (Clay, Silt, Sand)	London Clay Formation (Clay, Silt, Sand)
	Artificial/Made Ground [1]	None	None	None	None	None
Hydrogeology	**Bedrock Aquifer Classification**	None				
	Superficial Aquifer Classification	None			Secondary A Aquifer	Secondary A Aquifer (only 3L6046HP)
	Source Protection Zones (SPZs)	None				
	Groundwater Abstractions	None within 500 m	113 m southwest of 3L6023HP and 150 m southeast 3L6024HP. 320 m west of 3L6105HP	397 m and 471 m southeast from 3L6106DS and 3L6107DS respectively.	445 m northwest of 3L6029HP	None within 500 m
Hydrology	**Surface Watercourses**	None within 500 m	Bow Lake 460 m north of 3L6024HP.	Fish Farm / Cress Point approximately 490 m northeast.	None within 500 m	Bow Lake watercourse 70 m, 180 m and 295 m south of 3L6041HP, 3L6042HP and 3L6043HP respectively. Unnamed tributary of the Itchen Trenchless Crossing beneath watercourse 78 m and 310 m northwest of 3L6046 HP and 3L6045HP.
	Surface Water Abstractions [1]	None within 500 m		Fish Farm / Cress Point approximately 490 m northeast.	None within 500 m	Fish Farm / Cress Point approximately 480 m west (only for 3L6041HP)
	Nitrate Vulnerable Zone	S811 Bow Lake NVZ				
Flooding	**Risk for Surface Water**	High Risk within the vicinity of Winchester Road	High Risk within the vicinity of Portsmouth Road approximately 450 m to 500 m north of locations.	High Risk mapped 150 m west due to drain from Bow Lake Watercourse.	High Risk mapped 150 m east of 3L6027HP due to drain from Bow Lake Watercourse.	High Risk mapped between 80 m to 285 m south of 3L6041HP, 3L6042HP and 3L6043HP.
	Risk for Rivers and the sea	Flood Zone 1				Flood Zone 3
Site History	**On-Site**	The earliest mapping from the late 1800s from indicates the Section is largely woodland and farms. Fisher's Pond is shown within Colden Common Wood. Bow Lake and the associated watercourse flowing east to west is also present. Brick works and a brick field are recorded in the West section L are no longer shown by the 1930s. A row of industrial premises including garages, workshops and a scrap yard is shown along Portsmouth Road during the 1980s until the present day. The remaining areas of the Section have little development from the c.1888-1913 mapping to present.				
	Surrounding Land	Colden Common village developed to the north of the route and a pond was noted within Colden Common Wood. Other notable features from early mapping include Bow Lake situated approximately 1 km west with an associated watercourse flowing in an east/west direction. A Brick works and associated brick field is noted to have been present in the west (closest borehole is 2L6005SA, to the east) of Section L between the late 1880s to the 1930s and along Portsmouth Road a row of industrial premises including garages, workshops and a scrap yard which have been present since the 1980s, between approximately 170 m to 450 m north/northeast of the proposed pipeline route.				
Pollution Incidents		There are no pollution incidents (category 1 or 2) within 50 m of the GI locations.				
Landfill Sites		None within 250 m.			PSC No. 441 Crowd Hill Landfill assumed on-Site and approximately 70 m west from 3L6029HP	None within 250 m.

		3L6013HP, 3L100HP, 3L6015HP, 3L6101DS, 3L6102HP, 3L6017HP	3L6103HP, 3L6104HP, 3L6105HP, 3L6023HP, 3L6024HP	3L6106DS, 3L6107DS	3L6026HP, 3L6027HP, 3L6028HP, 3L6029HP	3L6041HP, 3L6042HP, 3L6043HP, 3L6044HP, 3L6045HP, 3L6046HP
Ecological Sensitivity (250m radius)	Sites of Special Scientific Interest (SSSI)	None Present				
	Special Areas of Conservation (SAC)					
	Special Protection Areas (SPAs)					
	RAMSAR site					
	Ancient Woodlands	Park Hills Wood approximately southwest 380 m.	Park Hills Wood approximately 300 - 400 m south/southwest of 3L6103HP, 3L6104HP and 3L6105HP.	Park Hills Wood approximately 130 m south.	Park Hills Wood approximately 300 - 400 m south of locations	Lords Wood <50m south of 3L6045HP and 3L6046HP.
Preliminary Risk Assessment	Overall Risk Assessment	N/A – not targeting PSCs		High risk though posed to construction workers from PSC 472 due to potentially coming into contact with landfill material.	N/A – not targeting PSCs	

Taken from Groundsure reports - Groundsure report GSIP-2024-14509-18298_2A, Groundsure report GSIP-2024-14509-18298_2B

Appendix B: Chemical Analysis List of Suites and Geo-Environmental Testing

Soil Suites				**Suite L1.0 Soil Generic Analysis**													**Suite L2.0 - Potential Source of Contamination Soil Suites** *(use add ons from Suite 1.0 if required in addition)*													
Chemical	Method	LOD units		Generic Analysis - For locations not included in Suite 2.0 or where required													Farms (buildings/yards)		Fuel filling stations and garages	Electrical substations	Current and former works/industry		Current and historic railway land		STWs and Water Supply Works		Former military facility		Former hospital	Agricultural nursery building	Landfill sites / potentially infilled areas	
			Suite No.	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12	1.13	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.10	2.11	2.12	2.13	2.14	2.15	2.16
			Suite Name	Made Ground	Made Ground + add. metals + inorganics	Natural	Barrier pipe (PE/Metal)	VOCs with TICs	SVOCs with TICs	Pesticides	Herbicides	PFAS (inc PFOS / PFOA)	WAC (1-stage) inc solid suite	Core Logs (including PAK marker)	Tar anlysis (PAH, phenol) - ADEPT 2019 method	Tar analysis Assessment - ADEPT 2019 method	Farms Standard	Farms Standard + VOCs +pestcides	Fuel filling & Garages	Electrical Substations	Works Standard	Works Standard + S/VOC+PCBs	General Railway land	Depots / Yards	STW Standard	STW/WSW + VOCs +PCBs	Standard	Standard + S/VOC+PCBs	Former Hospital	Agri. Nursery	Potentially infilled Land	BGS Made Ground / Landfill
Metals		**mg/kg** (unless stated)																													
Arsenic	ICP-OES / MS	<0.5		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Cadmium	ICP-OES / MS	<0.5		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Chromium (trivalent)	ICP-OES / MS	<0.5		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Chromium, Hexavalent	Skalar CFA / ICP-OES	<1		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Chromium (total)		<1																													
Selenium	ICP-OES / MS	<0.5		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Copper	ICP-OES / MS	<0.5		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Lead	ICP-OES / MS	<3		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Mercury	ICP-OES / MS	<0.3		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Nickel	ICP-OES / MS	<0.5		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Zinc	ICP-OES / MS	<2		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Boron, water soluble	ICP-OES / MS	<1.0		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Vanadium	ICP-OES / MS	TBC																													
Antimony	ICP-OES / MS	TBC																													
Barium	ICP-OES / MS	TBC																													
Molybdenum	ICP-OES / MS	TBC			x																				x						
Aluminium	ICP-OES / MS	TBC			x																				x						
Manganese	ICP-OES / MS	TBC			x																				x						x
Iron	ICP-OES / MS	TBC			x																				x						x
Inorganics																															
Sulphate, Total	ICP-OES / MS	<10		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Sulphide, Easily liberated	Skalar CFA	<10		x	x												x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Phosphate	TBC by lab	TBC			x																					x		x			x
Chloride	TBC by lab	TBC			x																				x	x					x
Cyanide, Free	Skalar CFA	<1			x																x	x			x	x		x		x	x
Cyanide, Total	Skalar CFA	<1			x																x	x			x	x		x		x	x
Cyanide, Complex	Skalar CFA	<1			x																x	x			x	x		x		x	x
Thiocyanate	TBC by lab	TBC			x																				x	x				x	x
Ammonia	TBC by lab	TBC			x												x								x	x			x		x
Ammonium	TBC by lab	TBC			x												x								x	x			x		x
% Stones Greater than 10mm				x	x	x											x	x	x		x	x	x	x	x	x	x	x	x	x	x
Asbestos ID	HSG 248	Presence		x	x												x	x	x		x	x	x	x	x	x	x	x	x	x	x
Asbestos Quantification (if asbestos ID positive)	Gravimetric	<0.001%		x	x												x	x	x		x	x	x	x	x	x	x	x	x	x	x
pH	Potentiometric	+/- 0.1		x	x	x	x										x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Phenols (total)															x																
Total Phenols includes following Phenol, Resorcinol, Methylphenols (Cresols), Dimethylphenols (Xylenols), 1-Napthols, Trimentylphenols.	HPLC	<0.1		x													x	x	x		x	*	x	*	x		x	*	x		x	
Total Speciated Phenols includes the following Phenol, Pentachlorophenol, 2,4,5-Trichlorophenol, 2,4,6 -Trichlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 4-chloro-3-methylphenol, 4-methylphenol	GCMS	<0.05			x													x				*		*		x		*		x		*

Chemical	Method	LOD units	Suite No.	Generic Analysis - For locations not included in Suite 2.0 or where required													Farms (buildings/yards)		Fuel filling stations and garages	Electrical substations	Current and former works/industry		Current and historic railway land		STWs and Water Supply Works		Former military facility		Former hospital	Agricultural nursery building	Landfill sites / potentially infilled areas	
			Suite No.	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	1.11	1.12	1.13	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.10	2.11	2.12	2.13	2.14	2.15	2.16
			Suite Name	Made Ground	Made Ground + add. metals + inorganics	Natural	Barrier pipe (PE/Metal)	VOCs with TICs	SVOCs with TICs	Pesticides	Herbicides	PFAS (inc PFOS / PFOA)	WAC (1-stage) inc solid suite	Core Logs (including PAK marker)	Tar anlysis (PAH, phenol) - ADEPT 2019 method	Tar analysis Assessment - ADEPT 2019 method	Farms Standard	Farms Standard + VOCs +pestcides	Fuel filling & Garages	Electrical Substations	Works Standard	Works Standard + S/VOC+PCBs	General Railway land	Depots / Yards	STW Standard	STW/WSW + VOCs +PCBs	Standard	Standard + S/VOC+PCBs	Former Hospital	Agri. Nursery	Potentially infilled Land	BGS Made Ground / Landfill
BTEX																															
Benzene	GCMS	<0.05		x	x		x										x			x	x		x		x		x		x	x	
Toluene	GCMS	<0.05		x	x		x										x			x	x		x		x		x		x	x	
Ethylbenzene	GCMS	<0.05		x	x		x										x			x	x		x		x		x		x	x	
o-xylene	GCMS	<0.05		x	x		x										x			x	x		x		x		x		x	x	
m-xylene	GCMS	<0.05		x	x		x										x			x	x		x		x		x		x	x	
p-xylene	GCMS	<0.05		x	x		x										x			x	x		x		x		x		x	x	
Total BTEX	GCMS	<1.0		x	x		x										x			x	x		x		x		x		x	x	
MTBE				x	x		x										x			x	x		x		x		x		x	x	
PAH by GCMS																															
PAH 17 (total and speciated incl coronene)	GCMS	<0.1		x	x												x	x	x		x	*	x	*	x	x	x	*	x	x	x	*
PAK Marker (PAH indicator test)														x																		
PCBs																																
PCB 7 Congeners (speciated and total)	GCMS	<0.001			x															x		x		x		x		x	x			x
Petroleum Hydrocarbons																																
TPHCWG	GC-FID / GCMS	<0.1			x		x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
TPH >C6-C44 - with silica clean-up	GC-FID or GCMS	<1		x		x											x															
TPHCWG (if over 1000 mg/kg)				x		o											o															
TPH Identification (if over 1000 mg/kg)				o	o	o											o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
o - complete test if threshold reached.																																
VOCs/Semi-VOCs																																
Volatile Organic Compounds (VOCs) inc TICS	GCMS	<0.01						x										x	x			x		x		x		x	x			x
Semi-volatile Organic Compounds (SVOC) incl TICs	GCMS	<0.01					x		x													x		x				x				x
Pesticides / Herbicides																																
Pesticides (organochlorine, organophosphate)	GC-MS	<0.001								x								x												x		x
Herbicides (Organonitrogen / triazine herbicides (to include Atrazine) and acid herbicides)	LC-MS	<0.1									x							x					x	x						x		x
Other																																
Soil Organic Matter	Titration	<0.1%		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Conductivity	Potentiometric	<10 µS/cm		x	x	x	x										x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Redox Potential		v		x	x	x	x										x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Moisture Content Ratio (% of as received sample)	Gravimetric	<0.1%		x	x	x											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Waste Acceptance Criteria (1-stage) including solid suite	Various	Various		x	x								x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PFAS (to include PFOS and PFOA)	Lab to confirm	<0.001										x														x		x				x
Pathogens																																
Total coliforms	Lab to confirm	TBC																							x							
E.coli	Lab to confirm	TBC																							x							
Faecal coliforms	Lab to confirm	TBC																							x							
Faecal streptococci	Lab to confirm	TBC																							x							
To be confirmed																																
Radioisotopes - TBC site/PSC specific	TBC	TBC																										x	x			
Explosives TBC following UXO assessment	TBC	TBC																										x				
Road surfacing - Coal Tar																																
Coal tar interpretation															x	x																
Note - Ethylene glycol to be included in VOC TICs analysis.																																
Request lab provides the result with the lowest LOD where chemicals are tested twice using different methods (e.g benzene in BTEX suite and VOC analysis.)																																

Water and Leachate Suites					**Suite 3.0 Generic Groundwater Analysis**									**Suite 4.0 - Potential Source of Contamination Groundwater Suites** *(use add ons from Suite 3.0 if required in addition)*													
	Analysis	LOD units			Generic Analysis - For locations not included in Suite 4 or where required									Farms	Fuel filling stations & garages	Electrical substations	Current and former works/industry		Current and historic railway land		Sewage Treatment Works (STW)	Water Supply Works (WSW)	Former military facility		Former hospital	Agricultural nursery building (storage/buildings)	Landfill sites / potentially infilled areas	
		µg/l unless stated	Suite No.	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10	4.11	4.12	4.13	4.14	4.15
			Suite Name	Soil leachate preparation	Standard	Standard + add. metals + inorganics	TPH CWG	VOCs with TICs	SVOCs with TICs	Pesticides	Herbicides	PFAS (inc PFOS / PFOA)	Hydrogeo Suite	Farms	Fuel filling & Garages	Electrical Substations	Works Standard	Works Standard + S/VOC+PCBs	General Railway land	Depots / Yards	STW	WSW	Military Standard	Military Standard + inorg + S/VOC	Former Hospital	Agri. Nursery	Potentially infilled Land	BGS Made Ground / Landfill
Metals (dissolved)																											
Arsenic	ICP-OES / MS	<5			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Cadmium	ICP-OES / MS	<0.01			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Chromium (trivalent)	ICP-OES / MS	<1			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Chromium, Hexavalent	Skalar CFA	<1			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Chromium (total)		<1																										
Selenium	ICP-OES / MS	<1			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Copper	ICP-OES / MS	<0.1			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Lead	ICP-OES / MS	<1			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Mercury	ICP-OES / MS	<0.05			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Nickel	ICP-OES / MS	<1			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Zinc	ICP-OES / MS	<5			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Boron, water soluble	ICP-OES / MS	<10			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Vanadium	ICP-OES / MS	<10																										
Antimony	ICP-OES / MS	1																										
Barium	ICP-OES / MS	500																										
Molybdenum	ICP-OES / MS	10				x															x	x						
Aluminium	ICP-OES / MS	10				x															x	x						
Manganese	ICP-OES / MS	5				x															x	x						x
Iron	ICP-OES / MS	100				x															x	x						x
Inorganics																												
Sulphate	ICP-OES / MS	<10 mg/l			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Sulphide	Skalar CFA	<10 mg/l			x	x								x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Phosphorous (total and ortho)	TBC by lab	TBC				x															x	x		x				x
Chloride	TBC by lab	<0.15 mg/l			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Cyanide, Free	Skalar CFA	<0.1			x	x											x	x			x	x		x			x	x
Cyanide, Total	Skalar CFA	<0.1			x	x											x	x			x	x		x			x	x
Thiocyanate	TBC by lab	TBC				x															x	x					x	x
Ammonia	TBC by lab	<0.01 mg/l			x	x							x	x							x	x				x	x	x
Nitrates, nitrites	TBC by lab	<1 mg/l			x	x							x	x							x	x				x	x	x
Total Nitrogen	TBC by lab	TBC				x								x							x	x				x		x
Ammoniacal Nitrogen	TBC by lab	<0.1				x								x							x	x				x		x
Fluoride	TBC by lab	<1 mg/l			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Dissolved Methane	TBC by lab	TBC																									x	x
pH	Potentiometric	+/- 0.1			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Calcium		<1 mg/l											x															
Magnesium	ICP-OES / MS	<0.5 mg/l											x															
Sodium		<1 mg/l											x															
Potassium		<1 mg/l											x															
Bicarbonate		<10 mg/l											x															
Phenols																												
Total Phenols includes following Phenol, Resorcinol, Methylphenols (Cresols), Dimethylphenols (Xylenols), 1-Napthols, Trimentylphenols.	HPLC	<0.1			x									x	x		x		x		x	x	x		x		x	
Total Speciated Phenols includes the following Phenol, Pentachlorophenol, 2,4,5-Trichlorophenol, 2,4,6 -Trichlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 4-chloro-3-methylphenol, 4-methylphenol	GCMS	<0.1				x																				x		

Water and Leachate Suites	Analysis	LOD units			Generic Analysis - For locations not included in Suite 4 or where required									Farms	Fuel filling stations & garages	Electrical substations	Current and former works/industry		Current and historic railway land		Sewage Treatment Works (STW)	Water Supply Works (WSW)	Former military facility		Former hospital	Agricultural nursery building (storage/buildings)	Landfill sites / potentially infilled areas	
		µg/l unless stated	Suite No.	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10	4.11	4.12	4.13	4.14	4.15
			Suite Name	Soil leachate preparation	Standard	Standard + add. metals + inorganics	TPH CWG	VOCs with TICs	SVOCs with TICs	Pesticides	Herbicides	PFAS (inc PFOS / PFOA)	Hydrogeo Suite	Farms	Fuel filling & Garages	Electrical Substations	Works Standard	Works Standard + S/VOC+PCBs	General Railway land	Depots / Yards	STW	WSW	Military Standard	Military Standard + inorg + S/VOC	Former Hospital	Agri. Nursery	Potentially infilled Land	BGS Made Ground / Landfill
BTEX																												
Benzene	GCMS	<0.1			x	x	x									x	x		x			x	x			x	x	
Toluene	GCMS	<0.1			x	x	x									x	x		x			x	x			x	x	
Ethylbenzene	GCMS	<0.1			x	x	x									x	x		x			x	x			x	x	
o-xylene	GCMS	<0.1			x	x	x									x	x		x			x	x			x	x	
m-xylene	GCMS	<0.1			x	x	x									x	x		x			x	x			x	x	
p-xylene	GCMS	<0.1			x	x	x									x	x		x			x	x			x	x	
Total BTEX	GCMS	<1.0			x	x	x									x	x		x			x	x			x	x	
MTBE	GCMS	<1			x	x	x									x	x		x			x	x			x	x	
PAHs																												
PAH 17 (total and speciated incl coronene)	GCMS	<0.0001			x	x							x	x	x		x	*	x	*	x	x	x	*	x	x	x	*
PCBs																												
PCB 7 Congeners (speciated and total)	GCMS	<0.01				x										x		x		x	x			x	x			x
Petroleum Hydrocarbon																												
TPHCWG	GCMS	<1.0				x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
TPH >C6-C44	GC-FID or GCMS	<10			x								x															
Free product Identification (if found)					o	o								o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
VOCs/Semi-VOCs																												
Volatile Organic Compounds (VOCs) inc TICS	GCMS	<0.001						x						x	x			x		x	x			x	x			x
Semi-volatile Organic Compounds (SVOC) incl TICs	GCMS	<0.001							x									x		x				x				x
Pesticides / Herbicides																												
Pesticides (organochlorine, organophosphate)	GC-MS	<0.001								x				x												x		x
Herbicides (Organonitrogen / triazine herbicides (to include Atrazine) and acid herbicides)	LC-MS	<0.001									x			x					x	x						x		x
Other																												
Conductivity	Potentiometric	<1 µS/cm			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Redox Potential		v																			x							x
Total hardness (as CaCO3)	ICP-OES / MS	1 mg CaCO3/L			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Total dissolved solids (TDS)	Gravimetric	10 mg/l			x	x							x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PFAS (to include PFOS and PFOA)	Lab to confirm	<0.001 (total)										x									x			x				x
Pathogens																												
Total coliforms	Lab to confirm	TBC																			x							
E.coli	Lab to confirm	TBC																			x							
Faecal coliforms	Lab to confirm	TBC																			x							
faecal streptococci	Lab to confirm	TBC																			x							
Soil leachate preparation				x																								
Note - Ethylene glycol to be included in VOC TICs analysis.																												

Table B1: Summary of Geo-environmental Laboratory Tests

Analysis Suites [1]																
Borehole ID	Sample Depth (m)	Soils							Leachates including Suite 3.0 Leachate Preparation				Groundwaters			
		Suite 1.1 Made Ground including WAC	Asbestos Identification and Quantification if detected	Suite 1.3 Natural	Suite 1.7 Pesticides	Suite 1.8 Herbicides	Suite 1.10 WAC	Suite 2.16 BGS Landfill including WAC	Suite 4.15 BGS Made Ground / Landfill Leachate	Suite 3.1 Standard leachate	Suite 3.6 Pesticide leachate	Suite 3.7 Herbicide leachate	Suite 3.0 Standard	Suites 3.6 & 3.7 Pesticides and Herbicides	Suite 3.9 Hydrogeology	Suite 4.15 BGS Made Ground / Landfill
2L6000TP	0.1							✓	R				N/A	N/A	N/A	N/A
	0.5							✓								
	3.1							✓								
2L6001TP	0.1							✓	R							
	0.3							✓								
	1							✓								
	3.5							✓								
2L6004TP	0.1							✓	R							
	0.5							✓								
	3							✓								
	4							✓								
2L6006TP	0.1							✓	R							
	0.5							✓								
	2.3			✓			✓									
2L6002SA	0.1		✓					✓					N/A			✓ 12/05/23 20/07/23 16/09/23
	0.5		✓					✓								
	3							✓								
	5.2							✓								
2L6003SA	0.1							✓	R							✓ 12/05/23 20/07/23 16/09/23
	1							✓								
	6							✓								
2L6005SA	B4 0.05 – 0.3		✓										N/A			
	D2 0.05 – 1.00		✓										N/A			
	0.1		✓					R	R				N/A			✓ 11/05/23 18/07/23 16/09/23
	0.3		✓													
	0.5		✓													
	0.65		✓													
	1							✓								
	3							✓								
	6							✓								

Analysis Suites [1]																
Borehole ID	Sample Depth (m)	Soils							Leachates including Suite 3.0 Leachate Preparation				Groundwaters			
		Suite 1.1 Made Ground including WAC	Asbestos Identification and Quantification if detected	Suite 1.3 Natural	Suite 1.7 Pesticides	Suite 1.8 Herbicides	Suite 1.10 WAC	Suite 2.16 BGS Landfill including WAC	Suite 4.15 BGS Made Ground / Landfill Leachate	Suite 3.1 Standard leachate	Suite 3.6 Pesticide leachate	Suite 3.7 Herbicide leachate	Suite 3.0 Standard	Suites 3.6 & 3.7 Pesticides and Herbicides	Suite 3.9 Hydrogeology	Suite 4.15 BGS Made Ground / Landfill
2L6007DR	0.55			✓									✓ 17/08/2023			
2L6008DR	0.3									✓	✓	✓	✓ Shallow : 10/05/23 19/09/23 R Deep : 16/08/23			
	3			✓						✓						
	6.5			✓						✓						
	16.3			✓												
2L6009DR	0.1	✓	✓		✓	✓	n✓			R	R	R	✓ Shallow: 10/05/23 19/09/23 Deep: 16/08/23			
	0.55			✓												
	2.9			✓						R						
2L6010DR	0.1			✓						R			✓ 10/05/23 ✓ 20/07/23 R 14/09/23			
	1			✓												
	11.25			✓						R						
2L6011SR	0.1		✓	✓	✓	✓	n✓						✓ Shallow: 04/05/23 Deep: 14/09/23			
	0.5		✓	✓			n✓									
	3			✓												
	6			✓												
2L6012SR	0.3			R*									✓ 03/05/23 18/07/23			
	1			R*						R						
	3			R*						R						
3L6013HP	0.1			✓									N/A		N/A	
	0.5			✓												
3L6017HP	0.2			✓												
	1			✓												
3L6024HP-B	0.5			✓												
3L6026HP	0.5			✓												
3L6100HP	0.2			✓												
	1			✓												
3L6102HP	0.2			✓												
	0.5			✓												
3L6104HP	0.5							✓								
	1							✓								
3L6106DS	3.5							✓							✓ 01/06/24 03/07/24	

Analysis Suites [1]																
Borehole ID	Sample Depth (m)	Soils							Leachates including Suite 3.0 Leachate Preparation				Groundwaters			
		Suite 1.1 Made Ground including WAC	Asbestos Identification and Quantification if detected	Suite 1.3 Natural	Suite 1.7 Pesticides	Suite 1.8 Herbicides	Suite 1.10 WAC	Suite 2.16 BGS Landfill including WAC	Suite 4.15 BGS Made Ground / Landfill Leachate	Suite 3.1 Standard leachate	Suite 3.6 Pesticide leachate	Suite 3.7 Herbicide leachate	Suite 3.0 Standard	Suites 3.6 & 3.7 Pesticides and Herbicides	Suite 3.9 Hydrogeology	Suite 4.15 BGS Made Ground / Landfill
																19/07/24
3L6107DS-A	1.6							✓	✓				N/A			N/A
	5.6							✓								
Total Completed/Requested		**1/1**	**11/11**	**25/28**	**3/3**	**3/3**	**4/1**	**28/29**	**1/8**	**3/9**	**1/2**	**1/2**	**11/13**			**12/12**

Notes:
[1] List of analytes included in each suite is presented in **Appendix B**.
✓ Requested and completed.
n✓ Not requested but received.
R requested but not received to date in either AGS format or Final Factual GI report (SOCOTOC, 2023)
*Sample disposed of prior to testing
B4 Bulk Sample
D2 Disturbed Sample
N/A not applicable

Appendix C: Deviations Reported by Analytical Laboratory

The Quality Control (QC) associated with the results of the following soil analysis did not wholly meet the QMS requirements, therefore the accreditation has been removed by the analytical laboratory. However, the laboratory has confidence in the performance of the method as a whole and the integrity of the data has not been significantly compromised:

- 2L600TP 1.5 m, 2L6001TP 0.05 m, 2L6003SA 1.65 m and 2L6005SA 0.30 m: Sample date not supplied, Anions 2:1 (30 days), Total Sulphur ICP (7 days), Total Sulphate ICP (30 days), Metals ICP Prep (182 days), pH + Conductivity (7 days).
- 2L6010DR 0.10 m, 1.00 m and 11.25 m: GRO (>C6-C10) Total and pH (2:5:1) exceeded holding times.
- 2L6003SA 6.40 m water sample: BTEX & MTBE by GCMS exceeded holding time.
- 2L6005SA 3.34 m water sample: Electrical conductivity and pH exceeded holding time.
- 2L6011SR 4.86 m water sample: Electrical conductivity and pH exceeded holding time.
- 2L6012SR 0.60 m water sample: Electrical conductivity and pH exceeded holding time.
- 3L6013HP 0.10 m soil sample: GRO (>C6-C10) Total exceeded holding time.
- 3L6027HP 0.15 m soil sample: GRO (>C6-C10) Total, BTEX by GCFID and BTEX for WAC by GCFID exceeded their holding times.
- 3L6100HP 0.20 m and 1.00 m soil samples: GRO (>C6-C10) Total and TPH (>C10-C40) Total with Silica Cleanup exceeded their holding times.
- 3L6101DS 2.85 m soil sample: Cyanide (Complex) by SFA, Cyanide (Free) by SFA, Cyanide (Total) by SFA, Phenol Index (Total) by SFA, Phenol Index in Solids (BSEN 12457-2) Filtered, Sulphide by SFA, Thiocyanate by SFA, TPH (>C6-C40) Total (Calc), BTEX & MTBE by GCMS, VOCs (Target List and TICs) by GCMS exceeded their holding times.
- 3L6106DS 0.20 m soil sample: Cyanide (Complex) by SFA, Cyanide (Free) by SFA, Cyanide (Total) by SFA, Phenol Index (Total) by SFA, Phenol Index in Solids (BSEN 12457-2) Filtered, Sulphide by SFA, Thiocyanate by SFA, VOCs (Target List and TICs) by GCMS, TPH (>C10-C40) Total with Silica Cleanup, SVOCs (Target List and TICs) by GCMS, PFOS & PFOA by LC-MSMS, BTEX by GCFID, Electrical conductivity, pH, BTEX for WAC by GCFID, MTBE by GCFID and PAHs (inc. Coronene) for WAC by GCMS exceeded their holding times.
- 3L6107DS 0.15 and 1.00 m soil samples: Cyanide (Complex) by SFA, Cyanide (Free) by SFA, Cyanide (Total) by SFA, Phenol Index (Total) by SFA, Phenol Index in Solids (BSEN 12457-2) Filtered, Sulphide by SFA, Thiocyanate by SFA, VOCs (Target List and TICs) by GCMS, TPH (>C10-C40) Total with Silica Cleanup, SVOCs (Target List and TICs) by GCMS, PFOS & PFOA by LC-MSMS, BTEX by GCFID, Electrical conductivity, pH, BTEX for WAC by GCFID, MTBE by GCFID and PAHs (inc. Coronene) for WAC by GCMS exceeded their holding times.
- 3L6106DS 3.50 m soil sample: BTEX for WAC by GCFID, MTBE by GCFID Electrical conductivity, pH, GRO (>C6-C10) Total, SVOCs (Target List and TICs), VOCs (Target List and TICs) by GCMS
- 3L6106DS 1.00 m soil sample: Ammoniacal Nitrogen as N, Chloride by Colorimetry, Chromium VI (Hexavalent) by Colorimetry, Nitrate as NO3 by Colorimetry, Nitrite as NO2 by Colorimetry, Orthophosphate as P by Colorimetry, Thiocyanate by Colorimetry, LOC: Leached Organic Carbon Filtered exceeded their holding times.
- 3L6107DS 1.60 m and 5.60 m soil samples: TPH (>C10-C40) Total with Silica Cleanup, SVOCs (Target List and TICs) by GCMS, PFOS & PFOA by LC-MSMS and PAHs (inc. Coronene) for WAC by GCMS exceeded their holding times.
- 3L6107DS 1.60 m soil sample: PFOS & PFOA by LC-MSMS exceeded their holding times.

Appendix D: Geo-Environmental Laboratory Analysis Summary Screening Tables

	Screening Criteria	S4UL Reference Page	Sample ID	2L6000TP	2L6000TP	2L6000TP	2L6001TP	2L6001TP	2L6001TP	2L6002SA	2L6002SA	2L6002SA	2L6002SA	2L6003SA	2L6003SA	2L6003SA	2L6004TP	2L6004TP	2L6004TP	2L6004TP	2L6005SA	2L6005SA	2L6005SA
	GAC Land Use	Commercial	Sample Depth	0.1	0.5	3.1	0.3	1.0	3.5	0.1	0.5	3.7	5.2	0.1	1.0	6.0	0.1	0.5	3.0	4.0	0.1	0.3	0.5
	SOM	1.0%	Sample GEOL GEOL	MGR	LC	LC	LC	LC	LC	MGR	LC	LC		TOP	LC		MGR	Head	LC		MGR	MGR	MGR
Analyte	***Units***		**Lab ID**	G2034-222023022802 1729	G2034-222023022802 1745	G2034-222023022802 1859	G2034-222023030109 2224	G2034-222023030109 2324	G2034-222023030109 2532	#73175060736 40003	#73175060736 40007	#73175060736 40038	#73175060736 40024	G2034-222023022803 1856	G2034-222023022803 1947	G2034-222023022803 2753	G2034-222023030303 0956	G2034-222023030303 1206	G2034-222023030303 1500	G2034-222023030303 1559	G2034-222023030103 0940	G2034-222023030103 1054	G2034-222023030103 1132
Arsenic	mg/kg	640		8.9	13.1	10.3	9.7	8.7	11.1	9.1	11.4	9.8	11.6	10.3	11.7	11	11.3	12.8	15.3	11.1			
Cadmium	mg/kg	190		<0.2	0.3	0.3	<0.2	<0.2	<0.2	0.3	0.2	0.2	0.3	0.3	0.4	<0.2	<0.2	<0.2	<0.2	<0.2			
Chromium	mg/kg	8600		28.4	52.7	41.8	32.5	42.6	41.9	17.4	36.3	32.4	36.4	32.8	45.8	43.8	21.9	36.4	40.8	42.3			
Chromium, Hexavalent	mg/kg	33		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Selenium	mg/kg	12000		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
Copper	mg/kg	68000		20.4	18.1	22.5	16.7	26.7	27.2	22.9	20.6	21.2	20.5	18.2	23.2	22.3	19.1	21.5	25.2	25.3			
Lead	mg/kg	1100		29.8	13.8	13.9	30	18.1	16.6	111.4	14	13.9	13.2	26	14.6	13.9	43.3	16.7	16.8	15.3			
Elemental Mercury	mg/kg	58 (25.8)																					
Mercury	mg/kg	1100		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
Methylmercury	mg/kg	320																					
Nickel	mg/kg	980		17.7	22.5	39.3	17.5	62.3	39.6	15.9	38.3	37.2	34.4	18.6	59.3	36.9	18.9	29.7	43.8	38.8			
Zinc	mg/kg	730000		59	49.2	68.9	51.7	84.3	78.9	107.2	60	65	66.1	54.5	70.2	70.7	62.4	66.4	78.9	74.9			
Beryllium	mg/kg	12																					
Boron, water soluble	mg/kg	240000		1.1	0.7	0.7	0.7	0.5	0.5	1.9	1.4	1.5	1.9	1.3	0.7	1.2	1.2	0.6	0.9	1.1			
Vanadium	mg/kg	9000																					
Antimony	mg/kg																						
Barium	mg/kg																						
Molybdenum	mg/kg																						
Manganese	mg/kg			164.8	84.5	516	117.9	339.8	307.8	230.8	265	222.5	206.5	211.9	430.4	220	215.4	142.3	362.9	312.2			
Inorganics																							
Elemental Sulphur	mg/kg																						
Sulphate, Total	mg/kg			779	120	114	148	39	74	1140	161	150	454	673	89	241	652	152	238	187			
Sulphide, Easily liberated	mg/kg			1.1	<0.6	<0.6	<0.6	<0.6	<0.6	0.9	<0.6	<0.6	<0.6	<0.7	<0.6	<0.7	0.9	<0.6	<0.6	<0.6			
Chloride	mg/kg			14	42	6	13	9	9	32	5	10	32	19	8	29	17	9	22	23			
Cyanide, Free	mg/kg			<0.7	<0.6	<0.6	<0.6	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6	<0.7	<0.6	<0.7	<0.7	<0.6	<0.6	<0.6			
Cyanide, Total	mg/kg			<0.7	<0.6	<0.6	<0.6	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6	<0.7	<0.6	<0.7	<0.7	<0.6	<0.6	<0.6			
Cyanide, Complex	mg/kg																						
Thiocyanate	mg/kg			<2.8	<2.6	<2.5	<2.4	<2.5	<2.5	<2.6	<2.5	<2.6	5.7	<2.8	<2.6	<2.7	<2.7	<2.5	<2.6	<2.6			
Ammonia	mg/kg																						
% Stones Greater than 10mm	%			1.1	<0.1	<0.1	0.9	<0.1	<0.1	11.9	1.3	<0.1	<0.1	5.2	12.1	0.7	2.7	0.7	<0.1	<0.1			
Asbestos	Identifed									NAIIS	NAIIS										NAIIS	NAIIS	NAIIS
pH	pH			6.9	7.8	8.2	6.3	6.3	8	8.1	8.2	8.6	8.5	7.1	7.4	7.9	7.8	8	8.6	8.7			
Soil Organic Matter	%			5.32	0.68	0.67	1.36	0.63	0.71	5.77	0.55	0.66	1.01	3.83	0.55	0.89	4.47	1.07	0.89	0.98			
Phenols																							
Phenol	mg/kg	440		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Chlorophenols	mg/kg	3500		<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)			
Pentachlorophenol	mg/kg	400		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Catechol	mg/kg																						
Resorcinol	mg/kg																						
Cresols	mg/kg																						
Xylenols & Ethylphenols	mg/kg																						
Naphthols	mg/kg																						
Trimethylphenol	mg/kg																						
2,4-Dimethylphenol	mg/kg			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Total Phenols	mg/kg																						
BTEX																							
Benzene	mg/kg	27		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Toluene	mg/kg	56000 (869)		<0.008	<0.007	<0.007	<0.006	<0.006	<0.007	<0.006	<0.007	<0.007	<0.006	<0.007	<0.007	<0.007	<0.008	<0.006	<0.006	<0.007			
Ethylbenzene	mg/kg	5700 (518)		<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003			
o-xylene	mg/kg	6600 (478*)		<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003			
m-xylene	mg/kg	6200 (625)																					
p-xylene	mg/kg	5900 (576*)																					
m,p-xylene		#N/A		<0.006	<0.006	<0.005	<0.005	<0.005	<0.006	<0.005	<0.005	<0.005	<0.005	<0.006	<0.005	<0.006	<0.006	<0.005	<0.005	<0.005			
Total Xylenes (calculated for HWO)	mg/kg	#N/A																					
Total BTEX		#N/A		<0.085	<0.078	<0.076	<0.073	<0.075	<0.076	<0.079	<0.076	<0.077	<0.078	<0.082	<0.077	<0.080	<0.082	<0.075	<0.078	<0.077			
MTBE		#N/A		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
PAH by GCMS																							
Naphthalene	mg/kg	190 (76.4*)		<0.008	<0.007	<0.007	<0.006	<0.006	<0.007	0.5	<0.007	<0.007	<0.006	<0.007	<0.007	<0.007	<0.008	<0.006	<0.006	<0.007			
Acenaphthylene	mg/kg	83000 (86.1*)		<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	0.67	<0.10	<0.10	<0.10	<0.1	<0.10	<0.1	<0.1	<0.10	<0.10	<0.10			
Acenaphthene	mg/kg	84000 (57*)		<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	3.25	<0.10	<0.10	<0.10	<0.1	<0.10	<0.1	<0.1	<0.10	<0.10	<0.10			
Fluorene	mg/kg	63000 (30.9*)		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	2.18	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Phenanthrene	mg/kg	22000		<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	26.9	<0.10	<0.10	<0.10	<0.1	<0.10	<0.1	<0.1	<0.10	<0.10	<0.10			
Anthracene	mg/kg	520000		<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	7.55	<0.10	<0.10	<0.10	<0.1	<0.10	<0.1	<0.1	<0.10	<0.10	<0.10			
Fluoranthene	mg/kg	23000		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	45.6	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Pyrene	mg/kg	54000		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	35.6	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	0.14	<0.10	<0.10	<0.10			
Benzo(a)anthracene	mg/kg	170		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	20.2	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Chrysene	mg/kg	350		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	18.3	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	0.12	<0.10	<0.10	<0.10			
Benzo(b)fluoranthene	mg/kg	44		0.12	<0.10	<0.10	<0.10	<0.10	<0.10	24.6	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Benzo(k)fluoranthene	mg/kg	1200		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	9.81	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Benzo(a)pyrene	mg/kg	35		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	23.5	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Indeno(1,2,3-cd)pyrene	mg/kg	500		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	13	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Dibenzo(a,h)anthracene	mg/kg	3.5		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	3.38	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Benzo(g,h,i)perylene	mg/kg	3900		<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	13.6	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Coronene	mg/kg			<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	3.9	<0.10	<0.10	<0.10	<0.11	<0.10	<0.11	<0.11	<0.10	<0.10	<0.10			
Coal Tar	mg/kg	15																					
Polyaromatic hydrocarbons, Total 17	mg/kg			1.92	<1.76	<1.71	<1.66	<1.71	<1.72	253	<1.73	<1.73	<1.77	<1.87	<1.74	<1.82	1.9	<1.71	<1.76	<1.75			
Benzo(j)fluoranthene	mg/kg																						
Sum of detected PCB 7 Congeners	mg/kg																						
Dioxins and similar PCBs (equiv)	mg/kg																						
Petroleum Hydrocarbon (1% SOM)																							
Aliphatics >C5-C6	mg/kg	3200 (304*)		<0.282	<0.259	<0.252	<0.244	<0.251	<0.252	<0.262	<0.254	<0.255	<0.260	<0.275	<0.256	<0.268	<0.273	<0.251	<0.259	<0.258			
Aliphatics >C6-C8	mg/kg	7800 (144*)		<0.282	<0.259	<0.252	<0.244	<0.251	<0.252	<0.262	<0.254	<0.255	<0.260	<0.275	<0.256	<0.268	<0.273	<0.251	<0.259	<0.258			
Aliphatics >C8-C10	mg/kg	2000 (78*)		<0.282	<0.259	<0.252	<0.244	<0.251	<0.252	<0.262	<0.254	<0.255	<0.260	<0.275	<0.256	<0.268	<0.273	<0.251	<0.259	<0.258			
Aliphatics >C10-C12	mg/kg	9700 (48*)		8.29	5.72	<5.03	<4.88	<5.02	<5.04	<5.24	<5.08	<5.10	<5.19	5.86	<5.12	<5.36	<5.46	<5.03	<5.19	<5.16			
Aliphatics >C12-C16	mg/kg	59000 (24*)		<5.64	<5.19	<5.03	<4.88	7.41	<5.04	11.1	<5.08	5.91	<5.19	10.5	<5.12	<5.36	<5.46	<5.03	<5.19	<5.16			
Aliphatics >C16-C21	mg/kg			9.44	8.13	5.68	5.68	8.46	<5.04	17.1	5.53	12	5.98	8.08	<5.12	<5.36	<5.46	<5.03	<5.19	<5.16			

	Screening Criteria	S4UL Reference Page	Sample ID	2L6000TP	2L6000TP	2L6000TP	2L6001TP	2L6001TP	2L6001TP	2L6002SA	2L6002SA	2L6002SA	2L6002SA	2L6003SA	2L6003SA	2L6003SA	2L6004TP	2L6004TP	2L6004TP	2L6004TP	2L6005SA	2L6005SA	2L6005SA
	GAC Land Use	Commercial	Sample Depth	0.1	0.5	3.1	0.3	1.0	3.5	0.1	0.5	3.7	5.2	0.1	1.0	6.0	0.1	0.5	3.0	4.0	0.1	0.3	0.5
	SOM	1.0%	Sample GEOL GEOL	MGR	LC	LC	LC	LC	LC	MGR	LC	LC		TOP	LC		MGR	Head	LC		MGR	MGR	MGR
Analyte	***Units***		**Lab ID**	G2034-222023022802 1729	G2034-222023022802 1745	G2034-222023022802 1859	G2034-222023030109 2224	G2034-222023030109 2324	G2034-222023030109 2532	#73175060736 40003	#73175060736 40007	#73175060736 40038	#73175060736 40024	G2034-222023022803 1856	G2034-222023022803 1947	G2034-222023022803 2753	G2034-222023030303 0956	G2034-222023030303 1206	G2034-222023030303 1500	G2034-222023030303 1559	G2034-222023030103 0940	G2034-222023030103 1054	G2034-222023030103 1132
Aliphatic EC16 - 35	mg/kg	1600000																					
Aliphatics >C21-C35	mg/kg			29.4	18.6	12.8	16.9	18.5	<12.6	81.8	<12.7	<12.8	<13.0	18.6	<12.8	14.7	<13.7	<12.6	<13.0	<12.9			
Aliphatics >C35-C44	mg/kg	1600000		<8.46	<7.78	<7.55	14	14.5	12.5	19.9	<7.61	9.3	<7.79	12.5	<7.68	12.2	<8.20	<7.54	<7.78	<7.74			
Aromatics >EC5-EC7	mg/kg	26000 (1220*)																					
Aromatics >EC7-EC8	mg/kg	56000 (869)		<0.014	<0.013	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.014	<0.013	<0.013	<0.014	<0.013	<0.013	<0.013			
Aromatics >EC8-EC10	mg/kg	3500 (613)		<0.056	<0.052	<0.051	<0.049	<0.051	<0.051	<0.052	<0.051	<0.052	<0.052	<0.056	<0.052	<0.054	<0.055	<0.051	<0.052	<0.052			
Aromatics >EC10-EC12	mg/kg	16000 (364*)		9.19	9.28	5.17	7.43	<5.02	7.09	<5.24	<5.08	<5.10	6.27	<5.49	<5.12	<5.36	<5.46	<5.03	<5.19	<5.16			
Aromatics >EC12-EC16	mg/kg	36000 (169*)		14.5	21	9.16	8.22	6.91	9.58	24.3	<5.08	7.78	11.1	8.44	7.52	7.1	<5.46	<5.03	<5.19	<5.16			
Aromatics >EC16-EC21	mg/kg	28000		17.7	25.4	14.2	11.3	7.62	11.7	229	<5.08	11.8	8.2	9.87	9.09	9.79	<5.46	<5.03	<5.19	<5.16			
Aromatics >EC21-EC35	mg/kg	28000		59.3	41.5	28.6	20.7	<12.5	28.1	619	<12.7	17.8	21.1	<13.7	<12.8	14.8	14.7	<12.6	<13.0	<12.9			
Aromatics >EC35-EC44	mg/kg	28000		9.73	23	7.73	16.3	<7.53	21.8	34	<7.61	10.9	22	<8.24	<7.68	<8.04	14.3	16	10.9	9.99			
Ali&Aro EC44-70	mg/kg	28000																					
Petrol Range Organics^	mg/kg																						
Diesel Range Organics^	mg/kg																						
Sum of C5-C44 Ali/Aro (CWG)	mg/kg	#N/A		157.55	152.63	83.34	100.53	63.4	90.77	1036.2	5.53	75.49	74.65	73.85	16.61	58.59	29	16	10.9	9.99	0	0	0
TPH >C10-C40	mg/kg			47.3	50	<25.2	34.7	36	30.6	980	89.4	63.6	45.5	<27.5	<25.6	38.3	57.8	58.9	77.7	69.4			
1,2,4-Trimethylbenzene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Isopropylbenzene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Propylbenzene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Styrene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
TPH MAX Value				157.6	152.6	83.3	100.5	63.4	90.8	1036.2	89.4	75.5	74.7	73.9	16.6	58.6	57.8	58.9	77.7	69.4			
Volatile Organic Compounds																							
Vinyl Chloride	mg/kg	0.059		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,1-Dichloroethene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Dichloromethane	mg/kg																						
trans-1,2-Dichloroethene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,1-Dichloroethane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
2,2-Dichloropropane	mg/kg			<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003			
cis-1,2-Dichloroethene	mg/kg			<0.008	<0.007	<0.007	<0.006	<0.006	<0.007	<0.006	<0.007	<0.007	<0.006	<0.007	<0.007	<0.007	<0.008	<0.006	<0.006	<0.007			
Bromochloromethane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Chloroform	mg/kg	99		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,1,1-Trichloroethane	mg/kg	660		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Carbontetrachloride	mg/kg	2.9		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,1-Dichloropropene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,2-Dichloroethane	mg/kg	0.67		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,2-Dichloropropane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Dibromomethane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Bromodichloromethane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
trans-1,3-Dichloropropene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
cis-1,3-Dichloropropene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,1,2-Trichloroethane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,3-Dichloropropane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Dibromochloromethane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,2-Dibromoethane	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Chlorobenzene	mg/kg	56		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,1,2,2-Tetrachloroethane	mg/kg	270		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,1,1,2-Tetrachloroethane	mg/kg	110		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Trichloroethene	mg/kg	1.2		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Tetrachloroethene	mg/kg	19		<0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.005	<0.004	<0.004	<0.004			
2,4,6 Trinitrotoluene (TNT)	mg/kg	1000																					
HMX	mg/kg	110000																					
RDX	mg/kg	210000																					
1,2,3,4-Tetrachlorobenzene (TeCB)	mg/kg	1700 (122)		<0.00141	<0.0013	<0.00126	<0.00122	<0.00125	<0.00126	<0.00131	<0.00127	<0.00128	<0.0013	<0.00137	<0.00128	<0.00134	<0.00137	<0.00126	<0.0013	<0.00129			
1,2,3,5-Tetrachlorobenzene (TeCB)	mg/kg	49 (39.4)																					
1,2,4,5-Tetrachlorobenzene	mg/kg	42 (19.7*)																					
Pentachlorobenzene (PeCB)	mg/kg	640 (43*)		<0.00141	<0.0013	<0.00126	<0.00122	<0.00125	<0.00126	<0.00131	<0.00127	<0.00128	<0.0013	<0.00137	<0.00128	<0.00134	<0.00137	<0.00126	<0.0013	<0.00129			
Carbon Disulphide	mg/kg	11																					
Hexachlorobutadiene	mg/kg	31		<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003			
2,4-Dinitrotoluene	mg/kg			<0.3	<0.3	<0.3	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			
2,6-Dinitrotoluene	mg/kg			<0.7	<0.6	<0.6	<0.6	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6	<0.7	<0.6	<0.7	<0.7	<0.6	<0.6	<0.6			
2-Chloronaphthalene	mg/kg			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Biphenyl	mg/kg			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Bromobenzene	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Bromoform	mg/kg			<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
Chloroethane	mg/kg			<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.003			
Chloromethane	mg/kg			<0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.005	<0.004	<0.004	<0.004			
bis(2-Ethylhexyl) phthalate	mg/kg			<0.3	<0.3	<0.3	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			
Butylbenzyl phthalate	mg/kg			<0.3	<0.3	<0.3	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			
Diethyl phthalate	mg/kg			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
n-Dibutyl phthalate	mg/kg			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
n-Dioctyl phthalate	mg/kg			<0.3	<0.3	<0.3	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			
Herbicides/Insecticides																							
Aldrin	mg/kg	170		<0.00282	<0.00259	<0.00252	<0.00244	<0.00251	<0.00252	<0.00262	<0.00254	<0.00255	<0.0026	<0.00275	<0.00256	<0.00268	<0.00273	<0.00251	<0.00259	<0.00258			
Dieldrin	mg/kg	170		<0.00705	<0.00649	<0.00629	<0.00611	<0.00627	<0.00631	<0.00655	<0.00635	<0.00638	<0.00649	<0.00687	<0.0064	<0.0067	<0.00683	<0.00628	<0.00649	<0.00645			
Atrazine	mg/kg	9300		<0.00282	<0.00259	<0.00252	<0.00244	<0.00251	<0.00252	<0.00262	<0.00254	<0.00255	<0.0026	<0.00275	<0.00256	<0.00268	<0.00273	<0.00251	<0.00259	<0.00258			
Dichlorvos (DDVP)	mg/kg	140		<0.00282	<0.00259	<0.00252	<0.00244	<0.00251	<0.00252	<0.00262	<0.00254	<0.00255	<0.0026	<0.00275	<0.00256	<0.00268	<0.00273	<0.00251	<0.00259	<0.00258			
Alpha-Endosulfan	mg/kg	5600 (0.003)		<0.00141	<0.0013	<0.00126	<0.00122	<0.00125	<0.00126	<0.00131	<0.00127	<0.00128	<0.0013	<0.00137	<0.00128	<0.00134	<0.00137	<0.00126	<0.0013	<0.00129			
Beta-Endosulfan	mg/kg	6300 (0.00007)		<0.0141	<0.013	<0.0126	<0.0122	<0.0125	<0.0126	<0.0131	<0.0127	<0.0128	<0.013	<0.0137	<0.0128	<0.0134	<0.0137	<0.0126	<0.013	<0.0129			
Alpha-Hexachlorocyclohexanes	mg/kg	170		<0.00282	<0.00259	<0.00252	<0.00244	<0.00251	<0.00252	<0.00262	<0.00254	<0.00255	<0.0026	<0.00275	<0.00256	<0.00268	<0.00273	<0.00251	<0.00259	<0.00258			
Beta-Hexachlorocyclohexanes	mg/kg	65		<0.00282	<0.00259	<0.00252	<0.00244	<0.00251	<0.00252	<0.00262	<0.00254	<0.00255	<0.0026	<0.00275	<0.00256	<0.00268	<0.00273	<0.00251	<0.00259	<0.00258			
Gamma-Hexachlorocyclohexanes	mg/kg	67		<0.00141	<0.0013	<0.00126	<0.00122	<0.00125	<0.00126	<0.00131	<0.00127	<0.00128	<0.0013	<0.00137	<0.00128	<0.00134	<0.00137	<0.00126	<0.0013	<0.00129			
1,2-Dichlorobenzene	mg/kg	2000 (571*)		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,3-Dichlorobenzene	mg/kg	30		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,4-Dichlorobenzene	mg/kg	4400 (224)		<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001			
1,2,3-Trichlorobenzene	mg/kg	102		<0.00141	<0.0013	<0.00126	<0.00122	<0.00125	<0.00126	<0.00131	<0.00127	<0.00128	<0.0013	<0.00137	<0.00128	<0.00134	<0.00137	<0.00126	<0.0013	<0.00129			
1,2,4-Trichlorobenzene	mg/kg	220		<0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.005	<0.004	<0.004	<0.004			
1,3,5-Trichlorobenzene	mg/kg	23		<0.00141	<0.0013	<0.00126	<0.00122	<0.00125	<0.00126	<0.00131	<0.00127	<0.00128	<0.0013	<0.00137	<0.00128	<0.00134	<0.00137	<0.00126	<0.0013	<0.00129			
Hexachlorobenzene	mg/kg	110 (0.2)		<0.00282	<0.00259	<0.00252	<0.00244	<0.00251	<0.00252	<0.00262	<0.00254	<0.00255	<0.0026	<0.00275	<0.00256	<0.00268	<0.00273	<0.00251	<0.00259	<0.00258			
Hexachloroethane	mg/kg			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
Total CFC (for Haz)	mg/kg																						
Moisture.																							
Moisture Content Ratio (% of as received sample)	%			29.1	22.9	20.5	18.1	20.3	20.7	23.7	21.2	21.6	23	27.2	21.9	25.4	26.8	20.4	22.9	22.5			
PFOA/PFOS																							
PFOA	mg/kg	0.6		<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05			
PFOS	mg/kg	0.6		<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05			
PFHxS	mg/kg	0.6																					
PFNA	mg/kg	0.6																					
Hazard Quotient	%	1																					

	Screening Criteria	S4UL Reference Page	Sample ID	2L6005SA	2L6005SA	2L6005SA	2L6005SA	2L6006TP	2L6006TP	2L6006TP	2L6007DR	2L6008DR	2L6008DR	2L6008DR	2L6009DR	2L6009DR	2L6009DR	2L6010DR	2L6010DR	2L6010DR	2L6011SR	2L6011SR	2L6011SR
	GAC Land Use	Commercial	Sample Depth	0.7	1.0	3.0	6.0	0.1	0.5	2.3	0.6	0.3	3.0	6.5	0.1	0.5	2.9	0.1	1.0	11.3	0.1	0.5	3.0
	SOM	1.0%	Sample GEOL GEOL	MGR		LC	LC	MGR	Head	LC	ALV				MGR	ALV	LC	TOP	ALV	ALV	TOP		LC
Analyte	***Units***		**Lab ID**	G2034-222023030103 1148	G2034-222023030103 1203	G2034-222023030103 1358	G2034-222023030103 1709	G2034-222023052210 5259	G2034-222023052210 5522	G2034-222023052210 5858	#68394326450 40006	G2034-222023031508 4421	G2034-222023032311 3027	G2034-222023032311 3134	#44929439641 90002	#44929439641 90007	G2034-222023050411 0523	#73221443022 10002	G2034-222023041301 3724	G2034-222023041301 3920		G2034-222023033001 5739	
Arsenic	mg/kg	640			11.7	7	7	10.3	8.5	11.4	13.6		22.1	16.7	9.2	6.8	9.5	9.4	10.2	10.8	10.3	17.1	20.4
Cadmium	mg/kg	190			0.9	0.3	<0.2	0.3	<0.2	7.7	<0.2		0.2	<0.2	0.7	0.6	<0.2	0.6	<0.2	<0.2	0.2	<0.2	<0.2
Chromium	mg/kg	8600			19.1	44.2	40.1	28.3	32	16.7	31		35.8	39.9	37.6	26.7	30.7	33.7	42	34.4	25.8	36.7	33.5
Chromium, Hexavalent	mg/kg	33			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Selenium	mg/kg	12000			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper	mg/kg	68000			36.1	31.3	28.6	30.5	13.3	105.1	14		19.8	25.9	15.4	11.5	20.1	19.4	22	24.7	17.2	18.1	25.4
Lead	mg/kg	1100			64.9	420.3	25.3	68.8	12.4	155.8	12.8		15.8	16.5	29.6	13.1	15.2	35	16.7	15.1	29.5	18.3	17.6
Elemental Mercury	mg/kg	58 (25.8)																					
Mercury	mg/kg	1100			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylmercury	mg/kg	320																					
Nickel	mg/kg	980			11.3	45.3	45.4	22.5	16.2						22.8						14.7	21.2	
Zinc	mg/kg	730000			116.9	108.1	69.6	102.4	40.8	556.5	48.4		73.9	78.5	80.2	58.6	65.7	80.8	74.3	73.1	65	50.9	78.6
Beryllium	mg/kg	12																					
Boron, water soluble	mg/kg	240000			0.9	1.4	1.9	1.2	<0.5	1.4	1.7		2.4	4.6		0.8	3.7	1.7	1	5.7	0.5	0.6	1.4
Vanadium	mg/kg	9000																					
Antimony	mg/kg																						
Barium	mg/kg																						
Molybdenum	mg/kg																				0.6	1	
Manganese	mg/kg				217	894.2	767	145.3	136.5												428.9	632.2	
Inorganics																							
Elemental Sulphur	mg/kg																						
Sulphate, Total	mg/kg				127	454	7690	845	442	16900	675		998	383	1240	435	570	685	209	894	432	185	20500
Sulphide, Easily liberated	mg/kg				<0.7	<0.7	<0.6	1	<0.6						0.8						0.6	<0.6	
Chloride	mg/kg				<2	32	97	12	35														
Cyanide, Free	mg/kg				<0.7	<0.7	<0.6	<0.7	<0.6												<0.6	<0.6	
Cyanide, Total	mg/kg				<0.7	<0.7	<0.6	<0.7	<0.6												<0.6	<0.6	
Cyanide, Complex	mg/kg																						
Thiocyanate	mg/kg				<2.7	<2.6	<2.5	<2.9	<2.5												<2.5	<2.5	
Ammonia	mg/kg																						
% Stones Greater than 10mm	%				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	10.7		<0.1	1.2	5.7	11.2	<0.1	<0.1	12.7	14.8	5.1	9.6	<0.1
Asbestos	Identifed			NAIIS											NAIIS						NAIIS	NAIIS	
pH	pH				8.5	8.4	8.1	8.5	7.9	8.4	7.8		7.8	8.8	6.9	7	8.1	6.5	9.2	8.6	7.2	7.7	8.4
Soil Organic Matter	%				0.81	0.66	0.67	5.32	1.14	0.65	0.72		0.94	1.22	5.27	1.77	1.39	3.26	0.49	1.43	2.12	0.96	0.94
Phenols																							
Phenol	mg/kg	440			<0.1	<0.1	<0.1	<0.1	<0.1						1.27						<0.04	<0.04	
Chlorophenols	mg/kg	3500			<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)												<0.05(4-Chlorophenol), <0.04(2,4-Dichlorophenol), <0.02(2,4,6-Trichlorophenol), <0.04(2-Chlorophenol), <0.02(2,4,5-Trichlorophenol)	<0.05(4-Chlorophenol), <0.04(2,4-Dichlorophenol), <0.02(2,4,6-Trichlorophenol), <0.04(2-Chlorophenol), <0.02(2,4,5-Trichlorophenol)	
Pentachlorophenol	mg/kg	400			<0.10	<0.10	<0.10	<0.10	<0.10						<0.10						<0.04	<0.04	
Catechol	mg/kg																						
Resorcinol	mg/kg																						
Cresols	mg/kg														<0.13								
Xylenols & Ethylphenols	mg/kg														<0.13								
Naphthols	mg/kg																						
Trimethylphenol	mg/kg														<0.13								
2,4-Dimethylphenol	mg/kg				<0.1	<0.1	<0.1	<0.1	<0.1												<0.02	<0.02	
Total Phenols	mg/kg																				<0.57	<0.57	
BTEX																							
Benzene	mg/kg	27			<0.001	<0.001	<0.001	<0.001	<0.001	<0.013					<0.014						<0.012	<0.012	
Toluene	mg/kg	56000 (869)			<0.007	<0.007	<0.006	<0.007	<0.007	<0.013					<0.014						<0.012	<0.012	
Ethylbenzene	mg/kg	5700 (518)			<0.003	<0.003	<0.002	0.003	<0.003	<0.013					<0.014						<0.012	<0.012	
o-xylene	mg/kg	6600 (478*)			<0.003	<0.003	<0.002	<0.003	<0.003	<0.013					<0.014						<0.012	<0.012	
m-xylene	mg/kg	6200 (625)																					
p-xylene	mg/kg	5900 (576*)																					
m,p-xylene		#N/A			<0.005	<0.005	<0.005	<0.005	<0.005	<0.025					<0.028						<0.025	<0.025	
Total Xylenes (calculated for HWO)	mg/kg	#N/A																					
Total BTEX		#N/A			<0.080	<0.078	<0.075	<0.086	<0.076	<0.076					<0.084						<0.074	<0.074	
MTBE		#N/A			<0.001	<0.001	<0.001	<0.001	<0.001						<0.028						<0.025	<0.025	
PAH by GCMS																							
Naphthalene	mg/kg	190 (76.4*)			<0.007	<0.007	<0.006	<0.007	<0.007	<0.10					<0.11						<0.10	<0.10	
Acenaphthylene	mg/kg	83000 (86.1*)			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10					<0.11						<0.10	<0.10	
Acenaphthene	mg/kg	84000 (57*)			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10					<0.11						<0.10	<0.10	
Fluorene	mg/kg	63000 (30.9*)			<0.11	<0.10	<0.10	<0.12	<0.10	<0.10					<0.11						<0.10	<0.10	
Phenanthrene	mg/kg	22000			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10					<0.11						<0.10	<0.10	
Anthracene	mg/kg	520000			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10					<0.11						<0.10	<0.10	
Fluoranthene	mg/kg	23000			<0.11	<0.10	<0.10	0.3	0.34	<0.10					<0.11						<0.10	<0.10	
Pyrene	mg/kg	54000			<0.11	<0.10	<0.10	0.3	0.33	<0.10					<0.11						<0.10	<0.10	
Benzo(a)anthracene	mg/kg	170			<0.11	<0.10	<0.10	<0.12	0.19	<0.10					<0.11						<0.10	<0.10	
Chrysene	mg/kg	350			<0.11	<0.10	<0.10	<0.12	0.23	<0.10					<0.11						<0.10	<0.10	
Benzo(b)fluoranthene	mg/kg	44			<0.11	<0.10	<0.10	0.4	0.26	<0.10					<0.11						<0.10	<0.10	
Benzo(k)fluoranthene	mg/kg	1200			<0.11	<0.10	<0.10	<0.12	0.14	<0.10					<0.11						<0.10	<0.10	
Benzo(a)pyrene	mg/kg	35			<0.11	<0.10	<0.10	0.3	0.22	<0.10					<0.11						<0.10	<0.10	
Indeno(1,2,3-cd)pyrene	mg/kg	500			<0.11	<0.10	<0.10	<0.12	0.18	<0.10					<0.11						<0.10	<0.10	
Dibenzo(a,h)anthracene	mg/kg	3.5			<0.11	<0.10	<0.10	<0.12	<0.10	<0.10					<0.11						<0.10	<0.10	
Benzo(g,h,i)perylene	mg/kg	3900			<0.11	<0.10	<0.10	<0.12	0.16	<0.10					<0.11						<0.10	<0.10	
Coronene	mg/kg				<0.11	<0.10	<0.10	<0.12	<0.10	<0.10					<0.11						<0.10	<0.10	
Coal Tar	mg/kg	15																					
Polyaromatic hydrocarbons, Total 17	mg/kg				<1.81	<1.77	<1.70	<1.95	2.87	<1.72					<1.89						<1.69	<1.68	
Benzo(j)fluoranthene	mg/kg																						
Sum of detected PCB 7 Congeners	mg/kg																						
Dioxins and similar PCBs (equiv)	mg/kg																						
Petroleum Hydrocarbon (1% SOM)																							
Aliphatics >C5-C6	mg/kg	3200 (304*)			<0.266	<0.261	<0.250	<0.287	<0.253						<0.279						<0.248	<0.247	
Aliphatics >C6-C8	mg/kg	7800 (144*)			<0.266	<0.261	<0.250	<0.287	<0.253						<0.279						<0.248	<0.247	
Aliphatics >C8-C10	mg/kg	2000 (78*)			<0.266	<0.261	<0.250	<0.287	<0.253						<0.279						<0.248	<0.247	
Aliphatics >C10-C12	mg/kg	9700 (48*)			<5.32	<5.22	<5.01	<5.75	<5.05						<5.57						<4.96	<4.93	
Aliphatics >C12-C16	mg/kg	59000 (24*)			7.68	9.44	<5.01	<5.75	5.16						11.1						<4.96	<4.93	
Aliphatics >C16-C21	mg/kg				7.79	8.31	<5.01	<5.75	<5.05						12.3						<4.96	<4.93	

	Screening Criteria	S4UL Reference Page	Sample ID	2L6005SA	2L6005SA	2L6005SA	2L6005SA	2L6006TP	2L6006TP	2L6006TP	2L6007DR	2L6008DR	2L6008DR	2L6008DR	2L6009DR	2L6009DR	2L6009DR	2L6010DR	2L6010DR	2L6010DR	2L6011SR	2L6011SR	2L6011SR
	GAC Land Use	Commercial	Sample Depth	0.7	1.0	3.0	6.0	0.1	0.5	2.3	0.6	0.3	3.0	6.5	0.1	0.5	2.9	0.1	1.0	11.3	0.1	0.5	3.0
	SOM	1.0%	Sample GEOL GEOL	MGR		LC	LC	MGR	Head	LC	ALV				MGR	ALV	LC	TOP	ALV	ALV	TOP		LC
Analyte	***Units***		**Lab ID**	G2034-222023030103 1148	G2034-222023030103 1203	G2034-222023030103 1358	G2034-222023030103 1709	G2034-222023052210 5259	G2034-222023052210 5522	G2034-222023052210 5858	#68394326450 40006	G2034-222023031508 4421	G2034-222023032311 3027	G2034-222023032311 3134	#44929439641 90002	#44929439641 90007	G2034-222023050411 0523	#73221443022 10002	G2034-222023041301 3724	G2034-222023041301 3920		G2034-222023033001 5739	
Aliphatic EC16 - 35	mg/kg	1600000																					
Aliphatics >C21-C35	mg/kg				15.1	15	<12.5	<14.4	<12.6						22.7						<12.4	<12.3	
Aliphatics >C35-C44	mg/kg	1600000			<7.98	12.9	<7.51	<8.62	10.4						14.6						<7.44	<7.40	
Aromatics >EC5-EC7	mg/kg	26000 (1220*)																					
Aromatics >EC7-EC8	mg/kg	56000 (869)			<0.013	<0.013	<0.013	<0.014	<0.013						<0.014						<0.012	<0.012	
Aromatics >EC8-EC10	mg/kg	3500 (613)			<0.053	<0.052	<0.051	<0.058	<0.051						<0.056						<0.05	<0.049	
Aromatics >EC10-EC12	mg/kg	16000 (364*)			6.47	<5.22	9.5	16.4	15.8						15.9						<4.96	7	
Aromatics >EC12-EC16	mg/kg	36000 (169*)			14.4	9.21	22.4	20.7	21.6						35.8						<4.96	8.36	
Aromatics >EC16-EC21	mg/kg	28000			15.6	7.12	15.3	16.9	20.4						35.2						5.3	10.2	
Aromatics >EC21-EC35	mg/kg	28000			18.4	<13.0	19.3	32.3	46.7						58.9						<12.4	25.9	
Aromatics >EC35-EC44	mg/kg	28000			<7.98	<7.82	<7.51	36.3	37.2						49.1						10.1	29.3	
Ali&Aro EC44-70	mg/kg	28000																					
Petrol Range Organics^	mg/kg																						
Diesel Range Organics^	mg/kg																						
Sum of C5-C44 Ali/Aro (CWG)	mg/kg	#N/A		0	85.44	61.98	66.5	122.6	157.26	0	0	0	0	0	255.6	0	0	0	0	0	15.4	80.76	0
TPH >C10-C40	mg/kg				33	<26.1	<25.0	31	40.6	44.8	65.1		<24.2	38.9	151	105	27.3	72.1	60.5	63.6	67.2	54	39.6
1,2,4-Trimethylbenzene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Isopropylbenzene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Propylbenzene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Styrene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
TPH MAX Value					85.4	62.0	66.5	122.6	157.3	44.8	65.1		<24.2	38.9	255.6	105.0	27.3	72.1	60.5	63.6	67.2	80.8	39.6
Volatile Organic Compounds																							
Vinyl Chloride	mg/kg	0.059			<0.001	<0.001	<0.001	<0.001	<0.001														
1,1-Dichloroethene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Dichloromethane	mg/kg																						
trans-1,2-Dichloroethene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
1,1-Dichloroethane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
2,2-Dichloropropane	mg/kg				<0.003	<0.003	<0.002	<0.003	<0.003														
cis-1,2-Dichloroethene	mg/kg				<0.007	<0.007	<0.006	<0.007	<0.007														
Bromochloromethane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Chloroform	mg/kg	99			<0.001	<0.001	<0.001	<0.001	<0.001														
1,1,1-Trichloroethane	mg/kg	660			<0.001	<0.001	<0.001	<0.001	<0.001														
Carbontetrachloride	mg/kg	2.9			<0.001	<0.001	<0.001	<0.001	<0.001														
1,1-Dichloropropene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
1,2-Dichloroethane	mg/kg	0.67			<0.001	<0.001	<0.001	<0.001	<0.001														
1,2-Dichloropropane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Dibromomethane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Bromodichloromethane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
trans-1,3-Dichloropropene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
cis-1,3-Dichloropropene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
1,1,2-Trichloroethane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
1,3-Dichloropropane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Dibromochloromethane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
1,2-Dibromoethane	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Chlorobenzene	mg/kg	56			<0.001	<0.001	<0.001	<0.001	<0.001														
1,1,2,2-Tetrachloroethane	mg/kg	270			<0.001	<0.001	<0.001	<0.001	<0.001														
1,1,1,2-Tetrachloroethane	mg/kg	110			<0.001	<0.001	<0.001	<0.001	<0.001														
Trichloroethene	mg/kg	1.2			<0.001	<0.001	<0.001	<0.001	<0.001														
Tetrachloroethene	mg/kg	19			<0.004	<0.004	<0.004	<0.004	<0.004														
2,4,6 Trinitrotoluene (TNT)	mg/kg	1000																					
HMX	mg/kg	110000																					
RDX	mg/kg	210000																					
1,2,3,4-Tetrachlorobenzene (TeCB)	mg/kg	1700 (122)			<0.00133	<0.0013	<0.00125	<0.00144	<0.00126						<0.00139						<0.00124		
1,2,3,5-Tetrachlorobenzene (TeCB)	mg/kg	49 (39.4)																					
1,2,4,5-Tetrachlorobenzene	mg/kg	42 (19.7*)																					
Pentachlorobenzene (PeCB)	mg/kg	640 (43*)			<0.00133	<0.0013	<0.00125	<0.00144	<0.00126						<0.00139						<0.00124		
Carbon Disulphide	mg/kg	11																					
Hexachlorobutadiene	mg/kg	31			<0.003	<0.003	<0.002	<0.003	<0.003														
2,4-Dinitrotoluene	mg/kg				<0.3	<0.3	<0.3	<0.3	<0.3														
2,6-Dinitrotoluene	mg/kg				<0.7	<0.7	<0.6	<0.7	<0.6														
2-Chloronaphthalene	mg/kg				<0.1	<0.1	<0.1	<0.1	<0.1														
Biphenyl	mg/kg				<0.1	<0.1	<0.1	<0.1	<0.1														
Bromobenzene	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Bromoform	mg/kg				<0.001	<0.001	<0.001	<0.001	<0.001														
Chloroethane	mg/kg				<0.003	<0.003	<0.002	<0.003	<0.003														
Chloromethane	mg/kg				<0.004	<0.004	<0.004	<0.004	<0.004														
bis(2-Ethylhexyl) phthalate	mg/kg				<0.3	<0.3	<0.3	<0.3	<0.3														
Butylbenzyl phthalate	mg/kg				<0.3	<0.3	<0.3	<0.3	<0.3														
Diethyl phthalate	mg/kg				<0.1	<0.1	<0.1	<0.1	<0.1														
n-Dibutyl phthalate	mg/kg				<0.1	<0.1	<0.1	<0.1	<0.1														
n-Dioctyl phthalate	mg/kg				<0.3	<0.3	<0.3	<0.3	<0.3														
Herbicides/Insecticides																							
Aldrin	mg/kg	170			<0.00266	<0.00261	<0.0025	<0.00287	<0.00253						<0.00279						<0.00248		
Dieldrin	mg/kg	170			<0.00665	<0.00652	<0.00626	<0.00718	<0.00631						<0.00696						<0.0062		
Atrazine	mg/kg	9300			<0.00266	<0.00261	<0.0025	<0.00287	<0.00253						<0.00279						<0.00248		
Dichlorvos (DDVP)	mg/kg	140			<0.00266	<0.00261	<0.0025	<0.00287	<0.00253						<0.00279						<0.00248		
Alpha-Endosulfan	mg/kg	5600 (0.003)			<0.00133	<0.0013	<0.00125	<0.00144	<0.00126						<0.00139						<0.00124		
Beta-Endosulfan	mg/kg	6300 (0.00007)			<0.0133	<0.013	<0.0125	<0.0144	<0.0126						<0.0139						<0.0124		
Alpha-Hexachlorocyclohexanes	mg/kg	170			<0.00266	<0.00261	<0.0025	<0.00287	<0.00253						<0.00279						<0.00248		
Beta-Hexachlorocyclohexanes	mg/kg	65			<0.00266	<0.00261	<0.0025	<0.00287	<0.00253						<0.00279						<0.00248		
Gamma-Hexachlorocyclohexanes	mg/kg	67			<0.00133	<0.0013	<0.00125	<0.00144	<0.00126						<0.00139						<0.00124		
1,2-Dichlorobenzene	mg/kg	2000 (571*)			<0.001	<0.001	<0.001	<0.001	<0.001														
1,3-Dichlorobenzene	mg/kg	30			<0.001	<0.001	<0.001	<0.001	<0.001														
1,4-Dichlorobenzene	mg/kg	4400 (224)			<0.001	<0.001	<0.001	<0.001	<0.001														
1,2,3-Trichlorobenzene	mg/kg	102			<0.00133	<0.0013	<0.00125	<0.00144	<0.00126						<0.00139						<0.00124		
1,2,4-Trichlorobenzene	mg/kg	220			<0.004	<0.004	<0.004	<0.004	<0.004														
1,3,5-Trichlorobenzene	mg/kg	23			<0.00133	<0.0013	<0.00125	<0.00144	<0.00126						<0.00139						<0.00124		
Hexachlorobenzene	mg/kg	110 (0.2)			<0.00266	<0.00261	<0.0025	<0.00287	<0.00253						<0.00279						<0.00248		
Hexachloroethane	mg/kg				<0.1	<0.1	<0.1	<0.1	<0.1														
Total CFC (for Haz)	mg/kg																						
Moisture.																							
Moisture Content Ratio (% of as received sample)	%				24.8	23.3	20.1	30.4	20.8	20.9	21.4		17.2	18.1	28.2	17.8	19.2	23.9	19.4	18.7	19.4	18.9	19.1
PFOA/PFOS																							
PFOA	mg/kg	0.6			<3e-05	<3e-05	<3e-05	<3e-05	<3e-05														
PFOS	mg/kg	0.6			<3e-05	<3e-05	<3e-05	<3e-05	<3e-05														
PFHxS	mg/kg	0.6																					
PFNA	mg/kg	0.6																					
Hazard Quotient	%	1																					

	Screening Criteria	S4UL Reference Page	**Sample ID**	2L6011SR
	GAC Land Use	Commercial	**Sample Depth**	6.0
	SOM	1.0%	**Sample GEOL GEOL**	LC
Analyte	***Units***		**Lab ID**	G2034-222023033002 0529
Arsenic	mg/kg	640		11
Cadmium	mg/kg	190		<0.2
Chromium	mg/kg	8600		36.5
Chromium, Hexavalent	mg/kg	33		<0.1
Selenium	mg/kg	12000		<0.5
Copper	mg/kg	68000		26.4
Lead	mg/kg	1100		17.5
Elemental Mercury	mg/kg	58 (25.8)		
Mercury	mg/kg	1100		<0.5
Methylmercury	mg/kg	320		
Nickel	mg/kg	980		
Zinc	mg/kg	730000		77
Beryllium	mg/kg	12		
Boron, water soluble	mg/kg	240000		3.5
Vanadium	mg/kg	9000		
Antimony	mg/kg			
Barium	mg/kg			
Molybdenum	mg/kg			
Manganese	mg/kg			
Inorganics				
Elemental Sulphur	mg/kg			
Sulphate, Total	mg/kg			1020
Sulphide, Easily liberated	mg/kg			
Chloride	mg/kg			
Cyanide, Free	mg/kg			
Cyanide, Total	mg/kg			
Cyanide, Complex	mg/kg			
Thiocyanate	mg/kg			
Ammonia	mg/kg			
% Stones Greater than 10mm	%			5
Asbestos	Identifed			
pH	pH			8
Soil Organic Matter	%			1.26
Phenols				
Phenol	mg/kg	440		
Chlorophenols	mg/kg	3500		
Pentachlorophenol	mg/kg	400		
Catechol	mg/kg			
Resorcinol	mg/kg			
Cresols	mg/kg			
Xylenols & Ethylphenols	mg/kg			
Naphthols	mg/kg			
Trimethylphenol	mg/kg			
2,4-Dimethylphenol	mg/kg			
Total Phenols	mg/kg			
BTEX				
Benzene	mg/kg	27		
Toluene	mg/kg	56000 (869)		
Ethylbenzene	mg/kg	5700 (518)		
o-xylene	mg/kg	6600 (478*)		
m-xylene	mg/kg	6200 (625)		
p-xylene	mg/kg	5900 (576*)		
m,p-xylene		#N/A		
Total Xylenes (calculated for HWO)	mg/kg	#N/A		
Total BTEX		#N/A		
MTBE		#N/A		
PAH by GCMS				
Naphthalene	mg/kg	190 (76.4*)		
Acenaphthylene	mg/kg	83000 (86.1*)		
Acenaphthene	mg/kg	84000 (57*)		
Fluorene	mg/kg	63000 (30.9*)		
Phenanthrene	mg/kg	22000		
Anthracene	mg/kg	520000		
Fluoranthene	mg/kg	23000		
Pyrene	mg/kg	54000		
Benzo(a)anthracene	mg/kg	170		
Chrysene	mg/kg	350		
Benzo(b)fluoranthene	mg/kg	44		
Benzo(k)fluoranthene	mg/kg	1200		
Benzo(a)pyrene	mg/kg	35		
Indeno(1,2,3-cd)pyrene	mg/kg	500		
Dibenzo(a,h)anthracene	mg/kg	3.5		
Benzo(g,h,i)perylene	mg/kg	3900		
Coronene	mg/kg			
Coal Tar	mg/kg	15		
Polyaromatic hydrocarbons, Total 17	mg/kg			
Benzo(j)fluoranthene	mg/kg			
Sum of detected PCB 7 Congeners	mg/kg			
Dioxins and similar PCBs (equiv)	mg/kg			
Petroleum Hydrocarbon (1% SOM)				
Aliphatics >C5-C6	mg/kg	3200 (304*)		
Aliphatics >C6-C8	mg/kg	7800 (144*)		
Aliphatics >C8-C10	mg/kg	2000 (78*)		
Aliphatics >C10-C12	mg/kg	9700 (48*)		
Aliphatics >C12-C16	mg/kg	59000 (24*)		
Aliphatics >C16-C21	mg/kg			

	Screening Criteria	S4UL Reference Page	Sample ID	2L6011SR
	GAC Land Use	Commercial	Sample Depth	6.0
	SOM	1.0%	Sample GEOL GEOL	LC
Analyte	***Units***		**Lab ID**	G2034-222023033002 0529
Aliphatic EC16 - 35	mg/kg	1600000		
Aliphatics >C21-C35	mg/kg			
Aliphatics >C35-C44	mg/kg	1600000		
Aromatics >EC5-EC7	mg/kg	26000 (1220*)		
Aromatics >EC7-EC8	mg/kg	56000 (869)		
Aromatics >EC8-EC10	mg/kg	3500 (613)		
Aromatics >EC10-EC12	mg/kg	16000 (364*)		
Aromatics >EC12-EC16	mg/kg	36000 (169*)		
Aromatics >EC16-EC21	mg/kg	28000		
Aromatics >EC21-EC35	mg/kg	28000		
Aromatics >EC35-EC44	mg/kg	28000		
Ali&Aro EC44-70	mg/kg	28000		
Petrol Range Organics^	mg/kg			
Diesel Range Organics^	mg/kg			
Sum of C5-C44 Ali/Aro (CWG)	mg/kg	#N/A		0
TPH >C10-C40	mg/kg			73.9
1,2,4-Trimethylbenzene	mg/kg			
Isopropylbenzene	mg/kg			
Propylbenzene	mg/kg			
Styrene	mg/kg			
TPH MAX Value				73.9
Volatile Organic Compounds				
Vinyl Chloride	mg/kg	0.059		
1,1-Dichloroethene	mg/kg			
Dichloromethane	mg/kg			
trans-1,2-Dichloroethene	mg/kg			
1,1-Dichloroethane	mg/kg			
2,2-Dichloropropane	mg/kg			
cis-1,2-Dichloroethene	mg/kg			
Bromochloromethane	mg/kg			
Chloroform	mg/kg	99		
1,1,1-Trichloroethane	mg/kg	660		
Carbontetrachloride	mg/kg	2.9		
1,1-Dichloropropene	mg/kg			
1,2-Dichloroethane	mg/kg	0.67		
1,2-Dichloropropane	mg/kg			
Dibromomethane	mg/kg			
Bromodichloromethane	mg/kg			
trans-1,3-Dichloropropene	mg/kg			
cis-1,3-Dichloropropene	mg/kg			
1,1,2-Trichloroethane	mg/kg			
1,3-Dichloropropane	mg/kg			
Dibromochloromethane	mg/kg			
1,2-Dibromoethane	mg/kg			
Chlorobenzene	mg/kg	56		
1,1,2,2-Tetrachloroethane	mg/kg	270		
1,1,1,2-Tetrachloroethane	mg/kg	110		
Trichloroethene	mg/kg	1.2		
Tetrachloroethene	mg/kg	19		
2,4,6 Trinitrotoluene (TNT)	mg/kg	1000		
HMX	mg/kg	110000		
RDX	mg/kg	210000		
1,2,3,4-Tetrachlorobenzene (TeCB)	mg/kg	1700 (122)		
1,2,3,5-Tetrachlorobenzene (TeCB)	mg/kg	49 (39.4)		
1,2,4,5-Tetrachlorobenzene	mg/kg	42 (19.7*)		
Pentachlorobenzene (PeCB)	mg/kg	640 (43*)		
Carbon Disulphide	mg/kg	11		
Hexachlorobutadiene	mg/kg	31		
2,4-Dinitrotoluene	mg/kg			
2,6-Dinitrotoluene	mg/kg			
2-Chloronaphthalene	mg/kg			
Biphenyl	mg/kg			
Bromobenzene	mg/kg			
Bromoform	mg/kg			
Chloroethane	mg/kg			
Chloromethane	mg/kg			
bis(2-Ethylhexyl) phthalate	mg/kg			
Butylbenzyl phthalate	mg/kg			
Diethyl phthalate	mg/kg			
n-Dibutyl phthalate	mg/kg			
n-Dioctyl phthalate	mg/kg			
Herbicides/Insecticides				
Aldrin	mg/kg	170		
Dieldrin	mg/kg	170		
Atrazine	mg/kg	9300		
Dichlorvos (DDVP)	mg/kg	140		
Alpha-Endosulfan	mg/kg	5600 (0.003)		
Beta-Endosulfan	mg/kg	6300 (0.00007)		
Alpha-Hexachlorocyclohexanes	mg/kg	170		
Beta-Hexachlorocyclohexanes	mg/kg	65		
Gamma-Hexachlorocyclohexanes	mg/kg	67		
1,2-Dichlorobenzene	mg/kg	2000 (571*)		
1,3-Dichlorobenzene	mg/kg	30		
1,4-Dichlorobenzene	mg/kg	4400 (224)		
1,2,3-Trichlorobenzene	mg/kg	102		
1,2,4-Trichlorobenzene	mg/kg	220		
1,3,5-Trichlorobenzene	mg/kg	23		
Hexachlorobenzene	mg/kg	110 (0.2)		
Hexachloroethane	mg/kg			
Total CFC (for Haz)	mg/kg			
Moisture.				
Moisture Content Ratio (% of as received sample)	%			19.6
PFOA/PFOS				
PFOA	mg/kg	0.6		
PFOS	mg/kg	0.6		
PFHxS	mg/kg	0.6		
PFNA	mg/kg	0.6		
Hazard Quotient	%	1		

Contamination Assessment Sheet

		Selected Files
	SOM Value	
	NA	

	Screening Criteria	S4UL Reference Page	Sample ID	3L6013HP	3L6013HP	3L6015HP	3L6015HP	3L6017HP	3L6017HP	3L6023HP	3L6023HP	3L6024HP-B	3L6026HP	3L6027HP	3L6027HP	3L6028HP	3L6028HP	3L6029HP	3L6044HP	3L6044HP	3L6045HP	3L6045HP	3L6046HP
	GAC Land Use	Commercial	Sample Depth	0.1	0.5	0.2	1.0	0.2	1.0	0.2	1.0	0.5	0.5	0.2	0.5	0.1	1.0	0.5	0.3	1.0	0.2	0.5	0.2
	SOM	1.0%	Sample GEOL GEOL	TOP	LC	TOP	LC	TOP	LC	TOP	LC	LC	LC	MGR	LC	TOP	LC	ALV	Head		MGR	LC	MGR
Analyte	***Units***		**Lab ID**	#01953461068 60001	#01953461068 60004	#40817446327 10001	#40817446327 10005	#49698440194 80001	#49698440194 80003	#18381497086 10001	#18381497086 10003	#47635489724 30004	#55329594507 40003	#57868796846 70001	#57868796846 70002	#43361280878 60001	#43361280878 60003	#87572540243 80002	G2034-222023050205 4042	G2034-222023050205 4142	G4011-24 Phase 3B/C20240327 123139	G4011-24 Phase 3B/C20240327 123229	#05004511543 00001
Arsenic	mg/kg	640		9	8.1	5.2	12.1	7.1	6	8.2	10.7	5.8	13.1	8.5	9	5.8	16.7	9.2	14.9	19.8	10.7	14.7	6.6
Cadmium	mg/kg	190		<0.2	<0.2	0.4	0.5	<0.2	<0.2	0.3	0.3	<0.2	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2
Chromium	mg/kg	8600		25.4	27.8	38.7	34	24.4	22.2	27.1	44.1	22.9	24.3	29.3	35.9	21.6	44.3	36.6	41.4	49.6	23.2	32.7	15.5
Chromium, Hexavalent	mg/kg	33		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Selenium	mg/kg	12000		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper	mg/kg	68000		9.3	8.6	12.2	16.1	12.2	13.2	11.2	20	7.3	58.3	10.5	18.2	8.9	18.2	10.7	12.3	25.8	12.1	11.4	8.4
Lead	mg/kg	1100		26	8.5	28.4	13.7	22.8	9.9	26.4	18.5	10	60.4	43	14.5	23.3	17.3	12.3	16.9	20.2	24	34.4	19
Elemental Mercury	mg/kg	58 (25.8)																					
Mercury	mg/kg	1100		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylmercury	mg/kg	320																					
Nickel	mg/kg	980												22.2							14.3	14.2	7.6
Zinc	mg/kg	730000		51.8	33.7	77	51	59.3	42.9	56.9	74.3	44.3	140.4	48.7	64.4	45.6	65.3	44.5	48.8	88.9	57	37	34.2
Beryllium	mg/kg	12																					
Boron, water soluble	mg/kg	240000		<0.5	<0.5	2.6	<0.5	0.8	0.6	1.1	<0.5	0.6	<0.5		0.9	0.9	<0.5	<0.5	1.5	1.4			
Vanadium	mg/kg	9000																					
Antimony	mg/kg																						
Barium	mg/kg																						
Molybdenum	mg/kg																						
Manganese	mg/kg																						
Inorganics																							
Elemental Sulphur	mg/kg																						
Sulphate, Total	mg/kg			661	149	1260	113	735	554	615	<20	353	833	777	393	616	261	90	240	466	406	149	477
Sulphide, Easily liberated	mg/kg													<0.7							0.7	<0.6	<0.6
Chloride	mg/kg																						
Cyanide, Free	mg/kg																						
Cyanide, Total	mg/kg																						
Cyanide, Complex	mg/kg																						
Thiocyanate	mg/kg																						
Ammonia	mg/kg																						
% Stones Greater than 10mm	%			3.3	4.9	<0.1	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	57	49	59.7
Asbestos	Identifed													NAIIS							NAIIS	NAIIS	NAIIS
pH	pH			7.9	6.5	6.5	7.3	6.3	6.2	8.5	8.5	7.7	8.5	6.7	7.9	6.5	6.5	8.3	8	7.9	8.4	8.9	6.5
Soil Organic Matter	%			5.05	0.54	11.5	0.73	5.65	0.71	5.22	0.76	0.73	0.63	2.95	0.65	3.47	0.72	0.77	1.61	0.72	1.95	0.74	1.98
Phenols																							
Phenol	mg/kg	440												0.26							<0.11	0.38	<0.11
Chlorophenols	mg/kg	3500																					
Pentachlorophenol	mg/kg	400								<0.10						<0.10			<0.10				
Catechol	mg/kg																						
Resorcinol	mg/kg																						
Cresols	mg/kg													0.26							<0.11	0.21	0.15
Xylenols & Ethylphenols	mg/kg													<0.13							<0.11	<0.11	<0.11
Naphthols	mg/kg																						
Trimethylphenol	mg/kg													<0.13							<0.11	<0.11	<0.11
2,4-Dimethylphenol	mg/kg																						
Total Phenols	mg/kg																						
BTEX																							
Benzene	mg/kg	27												<0.014							<0.011	<0.012	<0.012
Toluene	mg/kg	56000 (869)												<0.014							<0.011	<0.012	<0.012
Ethylbenzene	mg/kg	5700 (518)												<0.014							<0.011	<0.012	<0.012
o-xylene	mg/kg	6600 (478*)												<0.014							<0.011	<0.012	<0.012
m-xylene	mg/kg	6200 (625)																					
p-xylene	mg/kg	5900 (576*)																					
m,p-xylene		#N/A												<0.027							<0.023	<0.024	<0.024
Total Xylenes (calculated for HWO)	mg/kg	#N/A																					
Total BTEX		#N/A												<0.082							<0.069	<0.073	<0.072
MTBE		#N/A												<0.027							<0.023	<0.024	<0.024
PAH by GCMS																							
Naphthalene	mg/kg	190 (76.4*)												<0.11							<0.09	<0.10	<0.10
Acenaphthylene	mg/kg	83000 (86.1*)												<0.11							<0.09	<0.10	<0.10
Acenaphthene	mg/kg	84000 (57*)												<0.11							<0.09	<0.10	<0.10
Fluorene	mg/kg	63000 (30.9*)												<0.11							<0.09	<0.10	<0.10
Phenanthrene	mg/kg	22000												<0.11							<0.09	<0.10	<0.10
Anthracene	mg/kg	520000												<0.11							<0.09	<0.10	<0.10
Fluoranthene	mg/kg	23000												<0.11							0.1	<0.10	<0.10
Pyrene	mg/kg	54000												<0.11							0.09	<0.10	<0.10
Benzo(a)anthracene	mg/kg	170												<0.11							<0.09	<0.10	<0.10
Chrysene	mg/kg	350												<0.11							<0.09	<0.10	<0.10
Benzo(b)fluoranthene	mg/kg	44												<0.11							<0.09	<0.10	<0.10

	Screening Criteria	S4UL Reference Page	Sample ID	3L6013HP	3L6013HP	3L6015HP	3L6015HP	3L6017HP	3L6017HP	3L6023HP	3L6023HP	3L6024HP-B	3L6026HP	3L6027HP	3L6027HP	3L6028HP	3L6028HP	3L6029HP	3L6044HP	3L6044HP	3L6045HP	3L6045HP	3L6046HP
	GAC Land Use	Commercial	Sample Depth	0.1	0.5	0.2	1.0	0.2	1.0	0.2	1.0	0.5	0.5	0.2	0.5	0.1	1.0	0.5	0.3	1.0	0.2	0.5	0.2
	SOM	1.0%	Sample GEOL GEOL	TOP	LC	TOP	LC	TOP	LC	TOP	LC	LC	LC	MGR	LC	TOP	LC	ALV	Head		MGR	LC	MGR
Analyte	***Units***		**Lab ID**	#01953461068 60001	#01953461068 60004	#40817446327 10001	#40817446327 10005	#49698440194 80001	#49698440194 80003	#18381497086 10001	#18381497086 10003	#47635489724 30004	#55329594507 40003	#57868796846 70001	#57868796846 70002	#43361280878 60001	#43361280878 60003	#87572540243 80002	G2034-222023050205 4042	G2034-222023050205 4142	G4011-24 Phase 3B/C20240327 123139	G4011-24 Phase 3B/C20240327 123229	#05004511543 00001
Benzo(k)fluoranthene	mg/kg	1200												<0.11							<0.09	<0.10	<0.10
Benzo(a)pyrene	mg/kg	35												<0.11							<0.09	<0.10	<0.10
Indeno(1,2,3-cd)pyrene	mg/kg	500												<0.11							<0.09	<0.10	<0.10
Dibenzo(a,h)anthracene	mg/kg	3.5												<0.11							<0.09	<0.10	<0.10
Benzo(g,h,i)perylene	mg/kg	3900												<0.11							<0.09	<0.10	<0.10
Coronene	mg/kg													<0.11							<0.09	<0.10	<0.10
Coal Tar	mg/kg	15																					
Polyaromatic hydrocarbons, Total 17	mg/kg													<1.86							1.56	<1.65	<1.64
Benzo(j)fluoranthene	mg/kg																						
Sum of detected PCB 7 Congeners	mg/kg													<0.048							<0.040	<0.043	<0.042
Dioxins and similar PCBs (equiv)	mg/kg																						
Petroleum Hydrocarbon (1% SOM)																							
Aliphatics >C5-C6	mg/kg	3200 (304*)												<0.273							<0.229	<0.243	<0.241
Aliphatics >C6-C8	mg/kg	7800 (144*)												<0.273							<0.229	<0.243	<0.241
Aliphatics >C8-C10	mg/kg	2000 (78*)												<0.273							<0.229	<0.243	<0.241
Aliphatics >C10-C12	mg/kg	9700 (48*)												<5.46							<4.58	<4.86	<4.83
Aliphatics >C12-C16	mg/kg	59000 (24*)												<5.46							<4.58	<4.86	<4.83
Aliphatics >C16-C21	mg/kg													<5.46							<4.58	<4.86	<4.83
Aliphatic EC16 - 35	mg/kg	1600000																					
Aliphatics >C21-C35	mg/kg													<13.7							<11.4	<12.2	<12.1
Aliphatics >C35-C44	mg/kg	1600000												16							<6.86	<7.29	<7.24
Aromatics >EC5-EC7	mg/kg	26000 (1220*)																					
Aromatics >EC7-EC8	mg/kg	56000 (869)												<0.014							<0.011	<0.012	<0.012
Aromatics >EC8-EC10	mg/kg	3500 (613)												<0.055							<0.046	<0.049	<0.048
Aromatics >EC10-EC12	mg/kg	16000 (364*)												<5.46							<4.58	<4.86	<4.83
Aromatics >EC12-EC16	mg/kg	36000 (169*)												8.8							<4.58	<4.86	<4.83
Aromatics >EC16-EC21	mg/kg	28000												7.23							<4.58	<4.86	<4.83
Aromatics >EC21-EC35	mg/kg	28000												26							14.5	<12.2	<12.1
Aromatics >EC35-EC44	mg/kg	28000												<8.20							<6.86	<7.29	<7.24
Ali&Aro EC44-70	mg/kg	28000																					
Petrol Range Organics^	mg/kg																						
Diesel Range Organics^	mg/kg																						
Sum of C5-C44 Ali/Aro (CWG)	mg/kg	#N/A		0	0	0	0	0	0	0	0	0	0	58.03	0	0	0	0	0	0	14.5	0	0
TPH >C10-C40	mg/kg			77.1	85.7	68.8	28.5	31.3	25.9	50.5	47.2	25.9	101	59.9	53.7	135	31.3	35.1	<25.9	38	37.7	<24.3	30
1,2,4-Trimethylbenzene	mg/kg																						
Isopropylbenzene	mg/kg																						
Propylbenzene	mg/kg																						
Styrene	mg/kg																						
TPH MAX Value				77.1	85.7	68.8	28.5	31.3	25.9	50.5	47.2	25.9	101.0	59.9	53.7	135.0	31.3	35.1	<25.9	38.0	37.7	<24.3	30.0
Volatile Organic Compounds																							
Vinyl Chloride	mg/kg	0.059																					
1,1-Dichloroethene	mg/kg																						
Dichloromethane	mg/kg																						
trans-1,2-Dichloroethene	mg/kg																						
1,1-Dichloroethane	mg/kg																						
2,2-Dichloropropane	mg/kg																						
cis-1,2-Dichloroethene	mg/kg																						
Bromochloromethane	mg/kg																						
Chloroform	mg/kg	99																					
1,1,1-Trichloroethane	mg/kg	660																					
Carbontetrachloride	mg/kg	2.9																					
1,1-Dichloropropene	mg/kg																						
1,2-Dichloroethane	mg/kg	0.67																					
1,2-Dichloropropane	mg/kg																						
Dibromomethane	mg/kg																						
Bromodichloromethane	mg/kg																						
trans-1,3-Dichloropropene	mg/kg																						
cis-1,3-Dichloropropene	mg/kg																						
1,1,2-Trichloroethane	mg/kg																						
1,3-Dichloropropane	mg/kg																						
Dibromochloromethane	mg/kg																						
1,2-Dibromoethane	mg/kg																						
Chlorobenzene	mg/kg	56																					
1,1,2,2-Tetrachloroethane	mg/kg	270																					
1,1,1,2-Tetrachloroethane	mg/kg	110																					
Trichloroethene	mg/kg	1.2																					
Tetrachloroethene	mg/kg	19																					
2,4,6 Trinitrotoluene (TNT)	mg/kg	1000																					
HMX	mg/kg	110000																					
RDX	mg/kg	210000																					
1,2,3,4-Tetrachlorobenzene (TeCB)	mg/kg	1700 (122)								<0.00162						<0.00139			<0.00129				
1,2,3,5-Tetrachlorobenzene (TeCB)	mg/kg	49 (39.4)																					
1,2,4,5-Tetrachlorobenzene	mg/kg	42 (19.7*)																					
Pentachlorobenzene (PeCB)	mg/kg	640 (43*)								<0.00162						<0.00139			<0.00129				
Carbon Disulphide	mg/kg	11																					
Hexachlorobutadiene	mg/kg	31																					
2,4-Dinitrotoluene	mg/kg																						
2,6-Dinitrotoluene	mg/kg																						
2-Chloronaphthalene	mg/kg																						
Biphenyl	mg/kg																						
Bromobenzene	mg/kg																						
Bromoform	mg/kg																						
Chloroethane	mg/kg																						
Chloromethane	mg/kg																						
bis(2-Ethylhexyl) phthalate	mg/kg																						
Butylbenzyl phthalate	mg/kg																						
Diethyl phthalate	mg/kg																						

	Screening Criteria	S4UL Reference Page	Sample ID	3L6013HP	3L6013HP	3L6015HP	3L6015HP	3L6017HP	3L6017HP	3L6023HP	3L6023HP	3L6024HP-B	3L6026HP	3L6027HP	3L6027HP	3L6028HP	3L6028HP	3L6029HP	3L6044HP	3L6044HP	3L6045HP	3L6045HP	3L6046HP
	GAC Land Use	Commercial	Sample Depth	0.1	0.5	0.2	1.0	0.2	1.0	0.2	1.0	0.5	0.5	0.2	0.5	0.1	1.0	0.5	0.3	1.0	0.2	0.5	0.2
	SOM	1.0%	Sample GEOL GEOL	TOP	LC	TOP	LC	TOP	LC	TOP	LC	LC	LC	MGR	LC	TOP	LC	ALV	Head		MGR	LC	MGR
Analyte	***Units***		**Lab ID**	#01953461068 60001	#01953461068 60004	#40817446327 10001	#40817446327 10005	#49698440194 80001	#49698440194 80003	#18381497086 10001	#18381497086 10003	#47635489724 30004	#55329594507 40003	#57868796846 70001	#57868796846 70002	#43361280878 60001	#43361280878 60003	#87572540243 80002	G2034-222023050205 4042	G2034-222023050205 4142	G4011-24 Phase 3B/C20240327 123139	G4011-24 Phase 3B/C20240327 123229	#05004511543 00001
n-Dibutyl phthalate	mg/kg																						
n-Dioctyl phthalate	mg/kg																						
Herbicides/Insecticides																							
Aldrin	mg/kg	170								<0.00324						<0.00279			<0.00259				
Dieldrin	mg/kg	170								<0.00809						<0.00697			<0.00647				
Atrazine	mg/kg	9300								<0.00324						<0.00279			<0.00259				
Dichlorvos (DDVP)	mg/kg	140								<0.00324						<0.00279			<0.00259				
Alpha-Endosulfan	mg/kg	5600 (0.003)								<0.00162						<0.00139			<0.00129				
Beta-Endosulfan	mg/kg	6300 (0.00007)								<0.0162						<0.0139			<0.0129				
Alpha-Hexachlorocyclohexanes	mg/kg	170								<0.00324						<0.00279			<0.00259				
Beta-Hexachlorocyclohexanes	mg/kg	65								<0.00324						<0.00279			<0.00259				
Gamma-Hexachlorocyclohexanes	mg/kg	67								<0.00162						<0.00139			<0.00129				
1,2-Dichlorobenzene	mg/kg	2000 (571*)																					
1,3-Dichlorobenzene	mg/kg	30																					
1,4-Dichlorobenzene	mg/kg	4400 (224)																					
1,2,3-Trichlorobenzene	mg/kg	102								<0.00162						<0.00139			<0.00129				
1,2,4-Trichlorobenzene	mg/kg	220																					
1,3,5-Trichlorobenzene	mg/kg	23								<0.00162						<0.00139			<0.00129				
Hexachlorobenzene	mg/kg	110 (0.2)								<0.00324						<0.00279			<0.00259				
Hexachloroethane	mg/kg																						
Total CFC (for Haz)	mg/kg																						
Moisture.																							
Moisture Content Ratio (% of as received sample)	%			36.3	17.8	52.4	25.4	20.4	12.3	38.2	21	21.7	20.3	26.8	19.8	28.3	23.4	20.2	22.7	21.6	12.6	17.7	17.1
PFOA/PFOS																							
PFOA	mg/kg	0.6																					
PFOS	mg/kg	0.6																					
PFHxS	mg/kg	0.6																					
PFNA	mg/kg	0.6																					
Hazard Quotient	%	1																					

Contamination Assessment Sheet

			Selected Files																			
		SOM Value																				
		NA																				
	Screening Criteria	S4UL Reference Page	**Sample ID**	3L6046HP	3L6100HP	3L6100HP	3L6101DS	3L6101DS	3L6101DS	3L6102HP	3L6102HP	3L6104HP	3L6104HP	3L6105HP	3L6105HP	3L6106DS	3L6106DS	3L6106DS	3L6107DS	3L6107DS	3L6107DS	3L6107DS
	GAC Land Use	Commercial	**Sample Depth**	1.0	0.2	1.0	0.5	2.9	5.9	0.2	0.5	0.5	1.0	0.2	1.0	0.2	1.0	3.5	0.2	1.0	1.6	5.6
	SOM	1.0%	**Sample GEOL GEOL**	RTD	TOP	LC	LC	LMBE	LMBE	TOP	LC	LC	LC	TOP	LC	MGR	LC	LC	MGR	LMBE	LMBE	LMBE
Analyte	***Units***		**Lab ID**	#05004511543 00005	G4011-24 Phase 3B/C20240515 011048	G4011-24 Phase 3B/C20240515 011212	#53684948828 80004	#53684948828 80016	#53684948828 80020	#31545670997 10001	#31545670997 10002	#00622230302 80002	#00622230302 80004	#63392390014 20001	#63392390014 20003	#00356155028 70002	#00356155028 70005	#00356155028 70013	#34254560495 80003	#34254560495 80005	#04064116396 00002	#04064116396 00011
Arsenic	mg/kg	640		13.6	8.9	9.9	11.2	5.7	9.2	8.9	12.7	7.9	9	6.6	6.3	5.5	8.8	10.4	6.9	7.8	9	11.9
Cadmium	mg/kg	190		<0.2	<0.2	<0.2	0.3	<0.2	<0.2	0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Chromium	mg/kg	8600		36.7	20.2	36.1	36.8	48.6	36.8	26.2	40.8	31	24.6	25	24.6	18.9	19.5	31.8	17.7	30.2	30.7	34.8
Chromium, Hexavalent	mg/kg	33		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Selenium	mg/kg	12000		<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper	mg/kg	68000		12.9	5.4	20	19.2	44.1	31	9.8	20.4	20	14.2	6.3	5.2	4.4	8.4	18.9	5	11.8	14.8	20.1
Lead	mg/kg	1100		11.5	22.5	15.9	16.4	15.9	10	25.8	13.2	14.3	12.3	13.3	13.3	16.2	20.4	15.1	17.5	11.4	15.6	15.4
Elemental Mercury	mg/kg	58 (25.8)																				
Mercury	mg/kg	1100		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylmercury	mg/kg	320																				
Nickel	mg/kg	980		10.9								30.3	38.8			6.2	11.8	30.8	6.7	14.9	29.7	40.6
Zinc	mg/kg	730000		39.5	31.8	56.1	60	58.6	36.3	58.3	101.1	69.4	79.6	37.6	34.5	36.1	43.7	66.3	41	46	59.5	74.6
Beryllium	mg/kg	12																				
Boron, water soluble	mg/kg	240000			2.5	2.5	0.8	3.6		1.2	0.8	1.3	0.5	0.8	0.6	<0.5	<0.5	1.4	0.6	<0.5	<0.5	2.9
Vanadium	mg/kg	9000																				
Antimony	mg/kg																					
Barium	mg/kg																					
Molybdenum	mg/kg																					
Manganese	mg/kg															79.3	128.6	214.6	110.5	68.3	181.9	224.7
Inorganics																						
Elemental Sulphur	mg/kg																					
Sulphate, Total	mg/kg			169	485	170	171	298	298	1120	1160	1430	643	194	168	472	164	16300	460	143	156	1330
Sulphide, Easily liberated	mg/kg			<0.6								<0.6	<0.6			<0.7	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6
Chloride	mg/kg															10	34	7	8	21	26	27
Cyanide, Free	mg/kg											<0.6	<0.6			<0.7	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6
Cyanide, Total	mg/kg											<0.6	<0.6			<0.7	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6
Cyanide, Complex	mg/kg																					
Thiocyanate	mg/kg											<2.5	<2.6			<2.7	<2.5	<2.4	<2.7	<2.5	<2.4	<2.4
Ammonia	mg/kg																					
% Stones Greater than 10mm	%			36.6	1	<0.1	12.2	10.7	13.4	1.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	5.5	<0.1	<0.1	1.2	<0.1
Asbestos	Identifed			NAIIS								NAIIS	NAIIS									
pH	pH			7.1	6	6.1	7.9	8.5	8.5	7.3	7.5	7.6	7.9	9.4	8.9	7	9	7.8	6.9	7.1	9.2	8.9
Soil Organic Matter	%			0.72	2.17	0.71	0.69	0.41	0.64	4.72	0.93	0.73	0.65	1.28	1.06	2.97	0.48	1.02	2.19	0.56	0.67	0.88
Phenols																						
Phenol	mg/kg	440		<0.12								<0.11	<0.13			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophenols	mg/kg	3500														<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.7(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)	<0.6(4-Chlorophenol), <0.1(2,4-Dichlorophenol), <0.1(2,4,6-Trichlorophenol), <0.1(2-Chlorophenol), <0.1(2,4,5-Trichlorophenol)
Pentachlorophenol	mg/kg	400												<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Catechol	mg/kg																					
Resorcinol	mg/kg																					
Cresols	mg/kg			0.28								15.1	<0.13									
Xylenols & Ethylphenols	mg/kg			<0.12								10.4	<0.13									
Naphthols	mg/kg																					
Trimethylphenol	mg/kg			<0.12								<0.11	<0.13									
2,4-Dimethylphenol	mg/kg															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Phenols	mg/kg																					
BTEX																						
Benzene	mg/kg	27		<0.013								<0.013	<0.013			0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/kg	56000 (869)		<0.013								<0.013	<0.013			<0.006	<0.007	<0.006	<0.007	<0.006	<0.006	<0.006
Ethylbenzene	mg/kg	5700 (518)		<0.013								<0.013	<0.013			<0.002	<0.003	<0.002	<0.003	<0.002	<0.003	<0.002
o-xylene	mg/kg	6600 (478*)		<0.013								<0.013	<0.013			<0.002	<0.003	<0.002	<0.003	<0.002	<0.003	<0.002
m-xylene	mg/kg	6200 (625)																				
p-xylene	mg/kg	5900 (576*)																				
m,p-xylene		#N/A		<0.026								<0.025	<0.026			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004
Total Xylenes (calculated for HWO)	mg/kg	#N/A																				
Total BTEX		#N/A		<0.077								<0.076	<0.077			<0.080	<0.074	<0.073	<0.080	<0.075	<0.073	<0.073
MTBE		#N/A		<0.026								<0.025	<0.026			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PAH by GCMS																						
Naphthalene	mg/kg	190 (76.4*)		<0.10								<0.10	<0.10			<0.006	<0.007	<0.006	<0.007	<0.006	<0.006	<0.006
Acenaphthylene	mg/kg	83000 (86.1*)		<0.10								<0.10	<0.10			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10	<0.10
Acenaphthene	mg/kg	84000 (57*)		<0.10								<0.10	<0.10			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10	<0.10
Fluorene	mg/kg	63000 (30.9*)		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Phenanthrene	mg/kg	22000		<0.10								<0.10	<0.10			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10	<0.10
Anthracene	mg/kg	520000		<0.10								<0.10	<0.10			<0.1	<0.10	<0.10	<0.1	<0.10	<0.10	<0.10
Fluoranthene	mg/kg	23000		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Pyrene	mg/kg	54000		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Benzo(a)anthracene	mg/kg	170		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Chrysene	mg/kg	350		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	mg/kg	44		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10

	Screening Criteria	S4UL Reference Page	Sample ID	3L6046HP	3L6100HP	3L6100HP	3L6101DS	3L6101DS	3L6101DS	3L6102HP	3L6102HP	3L6104HP	3L6104HP	3L6105HP	3L6105HP	3L6106DS	3L6106DS	3L6106DS	3L6107DS	3L6107DS	3L6107DS	3L6107DS
	GAC Land Use	Commercial	Sample Depth	1.0	0.2	1.0	0.5	2.9	5.9	0.2	0.5	0.5	1.0	0.2	1.0	0.2	1.0	3.5	0.2	1.0	1.6	5.6
	SOM	1.0%	Sample GEOL GEOL	RTD	TOP	LC	LC	LMBE	LMBE	TOP	LC	LC	LC	TOP	LC	MGR	LC	LC	MGR	LMBE	LMBE	LMBE
Analyte	***Units***		**Lab ID**	#05004511543 00005	G4011-24 Phase 3B/C20240515 011048	G4011-24 Phase 3B/C20240515 011212	#53684948828 80004	#53684948828 80016	#53684948828 80020	#31545670997 10001	#31545670997 10002	#00622230302 80002	#00622230302 80004	#63392390014 20001	#63392390014 20003	#00356155028 70002	#00356155028 70005	#00356155028 70013	#34254560495 80003	#34254560495 80005	#04064116396 00002	#04064116396 00011
Benzo(k)fluoranthene	mg/kg	1200		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Benzo(a)pyrene	mg/kg	35		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Indeno(1,2,3-cd)pyrene	mg/kg	500		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Dibenzo(a,h)anthracene	mg/kg	3.5		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Benzo(g,h,i)perylene	mg/kg	3900		<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Coronene	mg/kg			<0.10								<0.10	<0.10			<0.11	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10
Coal Tar	mg/kg	15																				
Polyaromatic hydrocarbons, Total 17	mg/kg			<1.75								<1.71	<1.73			<1.80	<1.67	<1.66	<1.81	<1.70	<1.66	<1.65
Benzo(j)fluoranthene	mg/kg																					
Sum of detected PCB 7 Congeners	mg/kg			<0.045								<0.044	<0.045			<0.046	<0.043	<0.043	<0.047	<0.044	<0.043	<0.043
Dioxins and similar PCBs (equiv)	mg/kg																					
Petroleum Hydrocarbon (1% SOM)																						
Aliphatics >C5-C6	mg/kg	3200 (304*)		<0.257								<0.252	<0.255			<0.265	<0.246	<0.244	<0.266	<0.250	<0.244	<0.243
Aliphatics >C6-C8	mg/kg	7800 (144*)		<0.257								<0.252	<0.255			<0.265	<0.246	<0.244	<0.266	<0.250	<0.244	<0.243
Aliphatics >C8-C10	mg/kg	2000 (78*)		<0.257								<0.252	<0.255			<0.265	<0.246	<0.244	<0.266	<0.250	<0.244	<0.243
Aliphatics >C10-C12	mg/kg	9700 (48*)		<5.13								<5.03	<5.10			<5.30	<4.91	<4.88	<5.31	<5.00	<4.88	<4.85
Aliphatics >C12-C16	mg/kg	59000 (24*)		<5.13								<5.03	<5.10			<5.30	<4.91	<4.88	<5.31	<5.00	<4.88	<4.85
Aliphatics >C16-C21	mg/kg			<5.13								<5.03	<5.10			<5.30	<4.91	<4.88	<5.31	<5.00	<4.88	<4.85
Aliphatic EC16 - 35	mg/kg	1600000																				
Aliphatics >C21-C35	mg/kg			<12.8								<12.6	<12.8			<13.2	<12.3	<12.2	<13.3	<12.5	12.6	<12.1
Aliphatics >C35-C44	mg/kg	1600000		<7.70								<7.55	<7.65			<7.95	<7.37	<7.33	<7.97	<7.50	10.2	<7.28
Aromatics >EC5-EC7	mg/kg	26000 (1220*)																				
Aromatics >EC7-EC8	mg/kg	56000 (869)		<0.013								<0.013	<0.013			<0.013	<0.012	<0.012	<0.013	<0.013	<0.012	<0.012
Aromatics >EC8-EC10	mg/kg	3500 (613)		<0.052								<0.051	<0.052			<0.053	<0.049	<0.049	<0.053	<0.051	<0.049	<0.049
Aromatics >EC10-EC12	mg/kg	16000 (364*)		<5.13								<5.03	<5.10			<5.30	<4.91	<4.88	<5.31	<5.00	<4.88	<4.85
Aromatics >EC12-EC16	mg/kg	36000 (169*)		<5.13								<5.03	5.58			<5.30	<4.91	<4.88	6.04	<5.00	6.26	6.77
Aromatics >EC16-EC21	mg/kg	28000		<5.13								5.5	<5.10			<5.30	5.63	<4.88	5.88	<5.00	6.51	5.37
Aromatics >EC21-EC35	mg/kg	28000		13.8								<12.6	<12.8			30.5	17.8	<12.2	24.6	<12.5	<12.2	12.4
Aromatics >EC35-EC44	mg/kg	28000		<7.70								<7.55	<7.65			15.5	10.6	<7.33	17.7	10.8	<7.32	<7.28
Ali&Aro EC44-70	mg/kg	28000																				
Petrol Range Organics^	mg/kg																					
Diesel Range Organics^	mg/kg																					
Sum of C5-C44 Ali/Aro (CWG)	mg/kg	#N/A		13.8	0	0	0	0	0	0	0	5.5	5.58	0	0	46	34.03	0	54.22	10.8	35.57	24.54
TPH >C10-C40	mg/kg			<25.7	64.5	33.7	<24.6	26	24.9	41	<25.8	30	<25.5	52.7	63.1	<26.5	62.3	<24.4	<26.6	71.8	33.9	<24.3
1,2,4-Trimethylbenzene	mg/kg															<0.001	<0.001	<0.001	0.005	<0.001	<0.001	<0.001
Isopropylbenzene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Propylbenzene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TPH MAX Value				13.8	64.5	33.7	<24.6	26.0	24.9	41.0	<25.8	30.0	5.6	52.7	63.1	46.0	62.3	<24.4	54.2	71.8	35.6	24.5
Volatile Organic Compounds																						
Vinyl Chloride	mg/kg	0.059														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/kg																					
trans-1,2-Dichloroethene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/kg															<0.002	<0.003	<0.002	<0.003	<0.002	<0.003	<0.002
cis-1,2-Dichloroethene	mg/kg															<0.006	<0.007	<0.006	<0.007	<0.006	<0.006	<0.006
Bromochloromethane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/kg	99														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/kg	660														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbontetrachloride	mg/kg	2.9														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	mg/kg	0.67														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloropropane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-Dichloropropene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	mg/kg	56														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane	mg/kg	270														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane	mg/kg	110														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	mg/kg	1.2														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	mg/kg	19														<0.004	<0.004	<0.004	<0.004	<0.003	<0.004	<0.003
2,4,6 Trinitrotoluene (TNT)	mg/kg	1000																				
HMX	mg/kg	110000																				
RDX	mg/kg	210000																				
1,2,3,4-Tetrachlorobenzene (TeCB)	mg/kg	1700 (122)												<0.00128		<0.00132	<0.00123	<0.00122	<0.00133	<0.00125	<0.00122	<0.00121
1,2,3,5-Tetrachlorobenzene (TeCB)	mg/kg	49 (39.4)																				
1,2,4,5-Tetrachlorobenzene	mg/kg	42 (19.7*)																				
Pentachlorobenzene (PeCB)	mg/kg	640 (43*)												<0.00128		<0.00132	<0.00123	<0.00122	<0.00133	<0.00125	<0.00122	<0.00121
Carbon Disulphide	mg/kg	11																				
Hexachlorobutadiene	mg/kg	31														<0.002	<0.003	<0.002	<0.003	<0.002	<0.003	<0.002
2,4-Dinitrotoluene	mg/kg															<0.3	<0.2	<0.2	<0.3	<0.3	<0.2	<0.2
2,6-Dinitrotoluene	mg/kg															<0.7	<0.6	<0.6	<0.7	<0.6	<0.6	<0.6
2-Chloronaphthalene	mg/kg															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biphenyl	mg/kg															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromobenzene	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform	mg/kg															<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	mg/kg															<0.002	<0.003	<0.002	<0.003	<0.002	<0.003	<0.002
Chloromethane	mg/kg															<0.004	<0.004	<0.004	<0.004	<0.003	<0.004	<0.003
bis(2-Ethylhexyl) phthalate	mg/kg															<0.3	<0.2	<0.2	<0.3	<0.3	<0.2	<0.2
Butylbenzyl phthalate	mg/kg															<0.3	<0.2	<0.2	<0.3	<0.3	<0.2	<0.2
Diethyl phthalate	mg/kg															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

	Screening Criteria	S4UL Reference Page	Sample ID	3L6046HP	3L6100HP	3L6100HP	3L6101DS	3L6101DS	3L6101DS	3L6102HP	3L6102HP	3L6104HP	3L6104HP	3L6105HP	3L6105HP	3L6106DS	3L6106DS	3L6106DS	3L6107DS	3L6107DS	3L6107DS	3L6107DS
	GAC Land Use	Commercial	Sample Depth	1.0	0.2	1.0	0.5	2.9	5.9	0.2	0.5	0.5	1.0	0.2	1.0	0.2	1.0	3.5	0.2	1.0	1.6	5.6
	SOM	1.0%	Sample GEOL GEOL	RTD	TOP	LC	LC	LMBE	LMBE	TOP	LC	LC	LC	TOP	LC	MGR	LC	LC	MGR	LMBE	LMBE	LMBE
Analyte	***Units***		**Lab ID**	#05004511543 00005	G4011-24 Phase 3B/C20240515 011048	G4011-24 Phase 3B/C20240515 011212	#53684948828 80004	#53684948828 80016	#53684948828 80020	#31545670997 10001	#31545670997 10002	#00622230302 80002	#00622230302 80004	#63392390014 20001	#63392390014 20003	#00356155028 70002	#00356155028 70005	#00356155028 70013	#34254560495 80003	#34254560495 80005	#04064116396 00002	#04064116396 00011
n-Dibutyl phthalate	mg/kg															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n-Dioctyl phthalate	mg/kg															<0.3	<0.2	<0.2	<0.3	<0.3	<0.2	<0.2
Herbicides/Insecticides																						
Aldrin	mg/kg	170												<0.00255		<0.00265	<0.00246	<0.00244	<0.00266	<0.0025	<0.00244	<0.00243
Dieldrin	mg/kg	170												<0.00638		<0.00662	<0.00614	<0.00611	<0.00664	<0.00625	<0.0061	<0.00607
Atrazine	mg/kg	9300												<0.00255		<0.00265	<0.00246	<0.00244	<0.00266	<0.0025	<0.00244	<0.00243
Dichlorvos (DDVP)	mg/kg	140												<0.00255		<0.00265	<0.00246	<0.00244	<0.00266	<0.0025	<0.00244	<0.00243
Alpha-Endosulfan	mg/kg	5600 (0.003)												<0.00128		<0.00132	<0.00123	<0.00122	<0.00133	<0.00125	<0.00122	<0.00121
Beta-Endosulfan	mg/kg	6300 (0.00007)												<0.0128		<0.0132	<0.0123	<0.0122	<0.0133	<0.0125	<0.0122	<0.0121
Alpha-Hexachlorocyclohexanes	mg/kg	170												<0.00255		<0.00265	<0.00246	<0.00244	<0.00266	<0.0025	<0.00244	<0.00243
Beta-Hexachlorocyclohexanes	mg/kg	65												<0.00255		<0.00265	<0.00246	<0.00244	<0.00266	<0.0025	<0.00244	<0.00243
Gamma-Hexachlorocyclohexanes	mg/kg	67												<0.00128		<0.00132	<0.00123	<0.00122	<0.00133	<0.00125	<0.00122	<0.00121
1,2-Dichlorobenzene	mg/kg	2000 (571*)														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene	mg/kg	30														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/kg	4400 (224)														<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene	mg/kg	102												<0.00128		<0.00132	<0.00123	<0.00122	<0.00133	<0.00125	<0.00122	<0.00121
1,2,4-Trichlorobenzene	mg/kg	220														<0.004	<0.004	<0.004	<0.004	<0.003	<0.004	<0.003
1,3,5-Trichlorobenzene	mg/kg	23												<0.00128		<0.00132	<0.00123	<0.00122	<0.00133	<0.00125	<0.00122	<0.00121
Hexachlorobenzene	mg/kg	110 (0.2)												<0.00255		<0.00265	<0.00246	<0.00244	<0.00266	<0.0025	<0.00244	<0.00243
Hexachloroethane	mg/kg															<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CFC (for Haz)	mg/kg																					
Moisture.																						
Moisture Content Ratio (% of as received sample)	%			22.1	25.1	20.4	18.8	16.7	15.6	30.9	22.5	20.5	21.6	21.6	20	24.5	18.6	18.1	24.7	20	18	17.6
PFOA/PFOS																						
PFOA	mg/kg	0.6														<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05
PFOS	mg/kg	0.6														<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05	<3e-05
PFHxS	mg/kg	0.6																				
PFNA	mg/kg	0.6																				
Hazard Quotient	%	1																				

				LOC ID	2L6008DR	2L6008DR	3L6101DS	3L6107DS
				DEPTH	0.30	6.50	2.85	1.60
			Assessment Criteria	LAB ID	G2034-2220230315084421	G2034-2220230323113134	#5368494882880016	#04064116396000 02
Analyte	Units	LOD	Human Consumption	LAB RECEIVED DATE	17/03/2023	20/03/2023	26/03/2024	30/05/2024
Alkalinity as CaCO3	µg/l		-					
Arsenic	µg/l	1	10		<1.0	5	<1.0	<1.0
Boron	µg/l	10	1000		80	380	230	<10.0
Cadmium	µg/l	0.02	5		<0.02	<0.02	<0.02	<0.02
Chromium (Total)	µg/l	1	50		<1.0	<1.0	<1.0	<1.0
Chromium Trivalent	µg/l	3	-		<3.0	<3.0	<3.0	<3.0
Chromium Hexavalant	µg/l	3	-		<3.0	<3.0	<3.0	<3.0
Copper	µg/l	1	2000		2	<1.0	<1.0	<1.0
Iron	µg/l		200					<10.0
Lead	µg/l	1	10		<1.0	<1.0	<1.0	<1.0
Mercury	µg/l	0.03	1		<0.03	<0.03	<0.03	<0.03
Manganese	µg/l		50					<2.0
Fluoride	µg/l	1	1500		100	1400	1200	2300
Nickel	µg/l	1	20		<1.0	1	<1.0	<1.0
Selenium	µg/l	1	10		<1.0	12	18	<1.0
Zinc	µg/l	2	5000		3	2	<2.0	3
Total Ammonia (N)	µg/l	20	-		107.1	897.6	197.6	<16.5
Ammoniacal Nitrogen as N	µg/l	20	-					<10.0
Ammoniacal Nitrogen as NH3	µg/l	20	-		130	1090	240	<20.0
Ammonium (NH4)	µg/l	20	500		137.6	1154.1	254.1	<21.2
Chloride	µg/l	1000	250000		2000	13000	45000	15000
Chlorine	µg/l		-					
Cyanide	µg/l	20	50		<20.0	<20.0	<20.0	<20.0
Nitrate as NO3	µg/l	900	50000		6500	<900.0	<900.0	<900.0
Nitrite as NO2	µg/l	40	500		<40.0	<40.0	<40.0	<40.0
Phenol	µg/l		0.5					<40.0
Pentachlorophenol	µg/l	0.04	-		<0.04			<20.0
PCBs	µg/l		-					
Sodium	µg/l		200000					
Sulphate	µg/l	3000	250000		5000	84000	77000	44000
pH	pH Units	1	-		7.8	8.7	8.1	8.1
Dichloromethane	µg/l		-					
1,2 Dichloroethane	µg/l		3					<1
Trichloroethene (PCE)	µg/l		10					<5
1,1,1 Trichloroethane	µg/l		-					<1
1,1,2 Trichloroethane	µg/l		-					<1
Trichloromethane (Chloroform)	µg/l		100					<5
1,2,3 Trichlorobenzene	µg/l	0.01	-		<0.05			<0.05
1,2,4 Trichlorobenzene	µg/l		-					<5
Trichlorobenzene (1,2,3 & 1,2,4)	µg/l		-					
Tetrachloroethene	µg/l		10					<5
Tetrachloromethane	µg/l		3					<1
1,1,1,2 Tetrachloroethane	µg/l		-					<1
Vinyl Chloride (Chloroethene)	µg/l		0.5					<1
>C5 to C6 Aliphatic	µg/l	100	10					<100.0
>C6 to C8 Aliphatic	µg/l	100	10					<100.0
>C8 to C10 Aliphatic	µg/l	100	10					<100.0
>C10 to C12 Aliphatic	µg/l	10	10					<20.0
>C12 to C16 Aliphatic	µg/l	10	10					<20.0
>C16 to C21 Aliphatic	µg/l	10	10					<20.0
>C21 to C35 Aliphatic	µg/l	10	10					<20.0
>C35 to C44 Aliphatic	µg/l	10	10					<20.0
Total Aliphatic C5-35	µg/l	340	-					
>C5 to C7 Aromatic	µg/l	5	10					<5.0
>C7 to C8 Aromatic	µg/l	5	10					<5.0
>C8 to C10 Aromatic	µg/l	20	10					<20.0
>C10 to C12 Aromatic	µg/l	10	10					<20.0
>C12 to C16 Aromatic	µg/l	10	10					<20.0
>C16 to C21 Aromatic	µg/l	10	10					<20.0
>C21 to C35 Aromatic	µg/l	10	10					<20.0
>C35 to C44 Aromatic	µg/l	10	10					<20.0
Total Aromatic C5-C35	µg/l	70	-					

				LOC ID	2L6008DR	2L6008DR	3L6101DS	3L6107DS
				DEPTH	0.30	6.50	2.85	1.60
			Assessment Criteria	LAB ID	G2034-2220230315084421	G2034-2220230323113134	#5368494882880016	#04064116396000 02
Analyte	Units	LOD	Human Consumption	LAB RECEIVED DATE	17/03/2023	20/03/2023	26/03/2024	30/05/2024
TPH Ali/Aro	µg/l	410	10		<200.0 (TPH >C6-40)	110.0 (TPH >C6-40)	<110.0 (TPH >C6-40)	<100.0 (GRO >C5-10) , <20.0 (Aliphatics >C8-40) , <20.0 (Aromatics >C8-40)
Benzene	µg/l	1	1		<1	<1	<1	<1
Ethylbenzene	µg/l	0.5	300		<0.5	<0.5	<0.5	<0.5
Toluene	µg/l	1	700		1	<1	<1	<1
Xylene	µg/l		500					
M- & P-Xylene	µg/l	1	-		<1	<1	<1	<1
O-Xylene	µg/l	1	-		<1	<1	<1	<1
Total Xylene (M, P & O)	µg/l	2	-					
MTBE	µg/l	1	15		<1	<1	<1	<1
naphthalene	µg/l	0.01	-		0.04	0.03	0.26	0.31
acenaphthylene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
acenaphthene	µg/l	0.01	-		<0.02	<0.02	0.21	0.12
fluorene	µg/l	0.01	-		<0.02	<0.02	0.12	0.06
phenanthrene	µg/l	0.01	-		<0.02	<0.02	0.03	<0.02
anthracene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
fluoranthene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
pyrene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
benzo(a)anthracene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
chrysene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
benzo(b)fluoranthene	µg/l	0.01	0.1		<0.02	<0.02	<0.01	<0.02
benzo(k)fluoranthene	µg/l	0.01	0.1		<0.02	<0.02	<0.01	<0.02
benzo(a)pyrene	µg/l	0.01	0.01		<0.02	<0.02	<0.01	<0.02
benzo(g,h,i)perylene	µg/l	0.01	0.1		<0.02	<0.02	<0.01	<0.02
dibenzo(ah)anthracene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
indeno(1,2,3-c,d)pyrene	µg/l	0.01	0.1		<0.02	<0.02	<0.01	<0.02
Sum (benzo b, k, ghi & indeno123cd)	µg/l	0.04	0.1					
Total PAH	µg/l	0.16	-		0.32	0.26	0.74	0.72
PFOA								<0.008
PFOS								<0.008

				LOC ID	2L6008DR	2L6008DR	3L6101DS	3L6107DS
				DEPTH	0.30	6.50	2.85	1.60
			Assessment Criteria	LAB ID	G2034-2220230315084421	G2034-2220230323113134	#5368494882880016	#04064116396000 02
Analyte	Units	LOD	Fresh Water	LAB RECEIVED DATE	17/03/2023	20/03/2023	26/03/2024	30/05/2024
Alkalinity as CaCO3	µg/l		-					
Arsenic	µg/l	1	50		<1.0	5	<1.0	<1.0
Boron	µg/l	10	-		80	380	230	<10.0
Cadmium	µg/l	0.02	0.08		<0.02	<0.02	<0.02	<0.02
Chromium (Total)	µg/l	1	-		<1.0	<1.0	<1.0	<1.0
Chromium Trivalent	µg/l	3	4.7		<3.0	<3.0	<3.0	<3.0
Chromium Hexavalant	µg/l	3	3.4		<3.0	<3.0	<3.0	<3.0
Copper	µg/l	1	1		2	<1.0	<1.0	<1.0
Iron	µg/l		1000					<10.0
Lead	µg/l	1	1.2		<1.0	<1.0	<1.0	<1.0
Mercury	µg/l	0.03	0.07		<0.03	<0.03	<0.03	<0.03
Manganese	µg/l		123					<2.0
Fluoride	µg/l	1	-		100	1400	1200	2300
Nickel	µg/l	1	4		<1.0	1	<1.0	<1.0
Selenium	µg/l	1	-		<1.0	12	18	<1.0
Zinc	µg/l	2	10.9		3	2	<2.0	3
Total Ammonia (N)	µg/l	20	200		107.1	897.6	197.6	<16.5
Ammoniacal Nitrogen as N	µg/l	20	-					<10.0
Ammoniacal Nitrogen as NH3	µg/l	20	-		130	1090	240	<20.0
Ammonium (NH4)	µg/l	20	-		137.6	1154.1	254.1	<21.2
Chloride	µg/l	1000	-		2000	13000	45000	15000
Chlorine	µg/l		2					
Cyanide	µg/l	20	1		<20.0	<20.0	<20.0	<20.0
Nitrate as NO3	µg/l	900	-		6500	<900.0	<900.0	<900.0
Nitrite as NO2	µg/l	40	-		<40.0	<40.0	<40.0	<40.0
Phenol	µg/l		7.7					<40.0
Pentachlorophenol	µg/l	0.04	0.4		<0.04			<20.0
PCBs	µg/l		-					
Sodium	µg/l		-					
Sulphate	µg/l	3000	-		5000	84000	77000	44000
pH	pH Units	1	-		7.8	8.7	8.1	8.1
Dichloromethane	µg/l		-					
1,2 Dichloroethane	µg/l		10					<1
Trichloroethene (PCE)	µg/l		10					<5
1,1,1 Trichloroethane	µg/l		-					<1
1,1,2 Trichloroethane	µg/l		-					<1
Trichloromethane (Chloroform)	µg/l		2.5					<5
1,2,3 Trichlorobenzene	µg/l	0.01	-		<0.05			<0.05
1,2,4 Trichlorobenzene	µg/l		-					<5
Trichlorobenzene (1,2,3 & 1,2,4)	µg/l		0.4					
Tetrachloroethene	µg/l		10					<5
Tetrachloromethane	µg/l		12					<1
1,1,1,2 Tetrachloroethane	µg/l		140					<1
Vinyl Chloride (Chloroethene)	µg/l		-					<1
>C5 to C6 Aliphatic	µg/l	100	-					<100.0
>C6 to C8 Aliphatic	µg/l	100	-					<100.0
>C8 to C10 Aliphatic	µg/l	100	-					<100.0
>C10 to C12 Aliphatic	µg/l	10	-					<20.0
>C12 to C16 Aliphatic	µg/l	10	-					<20.0
>C16 to C21 Aliphatic	µg/l	10	-					<20.0
>C21 to C35 Aliphatic	µg/l	10	-					<20.0
>C35 to C44 Aliphatic	µg/l	10	-					<20.0
Total Aliphatic C5-35	µg/l	340	-					
>C5 to C7 Aromatic	µg/l	5	-					<5.0
>C7 to C8 Aromatic	µg/l	5	-					<5.0
>C8 to C10 Aromatic	µg/l	20	-					<20.0
>C10 to C12 Aromatic	µg/l	10	-					<20.0
>C12 to C16 Aromatic	µg/l	10	-					<20.0
>C16 to C21 Aromatic	µg/l	10	-					<20.0
>C21 to C35 Aromatic	µg/l	10	-					<20.0
>C35 to C44 Aromatic	µg/l	10	-					<20.0
Total Aromatic C5-C35	µg/l	70	-					

				LOC ID	2L6008DR	2L6008DR	3L6101DS	3L6107DS
				DEPTH	0.30	6.50	2.85	1.60
			Assessment Criteria	LAB ID	G2034-2220230315084421	G2034-2220230323113134	#5368494882880016	#04064116396000 02
Analyte	Units	LOD	Fresh Water	LAB RECEIVED DATE	17/03/2023	20/03/2023	26/03/2024	30/05/2024
TPH Ali/Aro	µg/l	410	-		<200.0 (TPH >C6-40)	110.0 (TPH >C6-40)	<110.0 (TPH >C6-40)	<100.0 (GRO >C5-10) , <20.0 (Aliphatics >C8-40) , <20.0 (Aromatics >C8-40)
Benzene	µg/l	1	10		<1	<1	<1	<1
Ethylbenzene	µg/l	0.5	-		<0.5	<0.5	<0.5	<0.5
Toluene	µg/l	1	74		1	<1	<1	<1
Xylene	µg/l		30					
M- & P-Xylene	µg/l	1	-		<1	<1	<1	<1
O-Xylene	µg/l	1	-		<1	<1	<1	<1
Total Xylene (M, P & O)	µg/l	2	-					
MTBE	µg/l	1	-		<1	<1	<1	<1
naphthalene	µg/l	0.01	2		0.04	0.03	0.26	0.31
acenaphthylene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
acenaphthene	µg/l	0.01	-		<0.02	<0.02	0.21	0.12
fluorene	µg/l	0.01	-		<0.02	<0.02	0.12	0.06
phenanthrene	µg/l	0.01	-		<0.02	<0.02	0.03	<0.02
anthracene	µg/l	0.01	0.1		<0.02	<0.02	<0.01	<0.02
fluoranthene	µg/l	0.01	0.0063		<0.02	<0.02	<0.01	<0.02
pyrene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
benzo(a)anthracene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
chrysene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
benzo(b)fluoranthene	µg/l	0.01	0.017		<0.02	<0.02	<0.01	<0.02
benzo(k)fluoranthene	µg/l	0.01	0.017		<0.02	<0.02	<0.01	<0.02
benzo(a)pyrene	µg/l	0.01	0.00017		<0.02	<0.02	<0.01	<0.02
benzo(g,h,i)perylene	µg/l	0.01	0.0082		<0.02	<0.02	<0.01	<0.02
dibenzo(ah)anthracene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
indeno(1,2,3-c,d)pyrene	µg/l	0.01	-		<0.02	<0.02	<0.01	<0.02
Sum (benzo b, k, ghi & indeno123cd)	µg/l	0.04	-					
Total PAH	µg/l	0.16	-		0.32	0.26	0.74	0.72
PFOA								<0.008
PFOS								<0.008

				LOC ID	2L6002SA	2L6002SA	2L6002SA	2L6003SA	2L6003SA	2L6003SA	2L6005SA	2L6005SA	2L6005SA	2L6007DR	2L6008DR	2L6008DR	2L6008DR	2L6008DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR
				DEPTH	3.29	5.90	6.10	4.02	5.80	6.40	3.34	5.00	6.70	5.02	1.64	2.20	5.07	6.31	2.52	3.30	3.50	4.17	5.41
				GEOL	LC						LC	LC	LC		ALV	Head			ALV	LC	LC	LC	LC
			Assessment Criteria	LAB ID				2L6003SAW12/05/23115701		2L6002SAW18/07/23	2L6005SAW11/05/23120425			2L6007DRW110260 7	2L6008DRW10/05/23120838		2L6008DRW210262 6		2L6009DRW10/05/23121112	2L6009DRW511214 2			2L6009DRW210265 9
Analyte	Units	LOD	Human Consumption	LAB RECEIVED DATE	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	19/08/2023	13/05/2023	19/09/2023	19/08/2023	12/01/2024	13/05/2023	09/04/2024	19/09/2023	12/01/2024	19/08/2023
Alkalinity as CaCO3	µg/l		-																				
Arsenic	µg/l	1	10		1	<1.0	1	2	1	1	1	2	2	<1.0	2	4	1	<1.0	<1.0	<1.0	2	<1.0	<1.0
Boron	µg/l	10	1000		530	320	370	530	380	450	690	460	450	990	240	170	720	870	170	1050	970	1020	1050
Cadmium	µg/l	0.02	5		0.02	<0.02	<0.02	0.04	<0.02	<0.02	0.06	0.27	0.11	<0.02	0.02	<0.02	0.02	0.07	0.07	0.03	0.02	0.05	<0.02
Chromium (Total)	µg/l	1	50		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium Trivalent	µg/l	3			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Chromium Hexavalant	µg/l	3	-		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0
Copper	µg/l	1	2000		1	<1.0	<1.0	<1.0	<1.0	<1.0	3	19	2	<1.0	<1.0	<1.0	2	1	2	<1.0	<1.0	<1.0	<1.0
Iron	µg/l		200		<10.0	<10.0	10	<10.0	<10.0	10	<10.0	80	10										
Lead	µg/l	1	10		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	24	<1.0	<1.0	1	<1.0	8	7	<1.0	<1.0	<1.0	6	10
Mercury	µg/l	0.03	1		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese	µg/l		50		<10.0	10	80	70	50	100	50	260	90										
Fluoride	µg/l	1	1500		300	400	300	400	400	300	200	200	200	600	400	400	400	600	200	800	600	900	800
Nickel	µg/l	1	20		1	1	1	1	2	1	4	7	4	3	4	7	9	3	2	1	<1.0	2	<1.0
Selenium	µg/l	1	10		3	<1.0	<1.0	1	<1.0	<1.0	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Zinc	µg/l	2	5000		7	6	16	7	5	8	12	82	12	3	26	6	17	77	6	20	5	36	9
Total Ammonia (N)	µg/l	20	-		<16.5	16.5	74.1	49.4	82.4	107.1	247.1	140.0	172.9	1498.8	197.6	296.5	996.5	296.5	57.6	1301.2	601.2	1498.8	1597.6
Ammoniacal Nitrogen as N	µg/l	20	-		<10.0	20	70	50	80	110	250	140	170										
Ammoniacal Nitrogen as NH3	µg/l	20	-		<20.0	20	90	60	100	130	300	170	210	1820	240	360	1210	360	70	1580	730	1820	1940
Ammonium (NH4)	µg/l	20	500		<21.2	21.2	95.3	63.5	105.9	137.6	317.6	180.0	222.4	1927.1	254.1	381.2	1281.2	381.2	74.1	1672.9	772.9	1927.1	2054.1
Chloride	µg/l	1000	250000		525000	216000	256000	393000	196000	268000	676000	321000	239000	113000	189000	107000	531000	250000	72000	53000	189000	55000	53000
Chlorine	µg/l		-																				
Cyanide	µg/l	20	50		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Nitrate as NO3	µg/l	900	50000		<900.0	<900.0	<900.0	1000	<900.0	<900.0	3900	1000	<900.0	<900.0	4500	2900	<900.0	4000	2100	1200	1200	900	<900.0
Nitrite as NO2	µg/l	40	500		<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	90	<40.0	<40.0	<40.0	<40.0	<40.0	720	50	<40.0	240	<40.0	<40.0	210
Phenol	µg/l		0.5		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0										
Pentachlorophenol	µg/l	0.04	-		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		<0.04		<0.04				
PCBs	µg/l		-																				
Sodium	µg/l		200000											133000	165000	57000	297000	148000	47000		148000	96000	95000
Sulphate	µg/l	3000	250000		287000	160000	161000	252000	181000	215000	2020000	1890000	1400000	544000	186000	170000	227000	203000	71000	492000	508000	479000	525000
pH	pH Units	1	-		7.3	7.4	7.5	7.5	7.4	7.5	7	7	7.2	7.9	7.6	7.2	7.7	7.9	7.3	7.7	7.7	7.5	7.9
Dichloromethane	µg/l		-																				
1,2 Dichloroethane	µg/l		3		<1	<1	<1	<1	<1	<1	<1	<1	<1										
Trichloroethene (PCE)	µg/l		10		<5	<5	<5	<5	<5	<5	<5	<5	<5										
1,1,1 Trichloroethane	µg/l		-		<1	<1	<1	<1	<1	<1	<1	<1	<1										
1,1,2 Trichloroethane	µg/l		-		<1	<1	<1	<1	<1	<1	<1	<1	<1										
Trichloromethane (Chloroform)	µg/l		100		<5	<5	<5	<5	<5	<5	<5	<5	<5										
1,2,3 Trichlorobenzene	µg/l	0.01	-		<0.02	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01		<0.01				
1,2,4 Trichlorobenzene	µg/l		-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
Trichlorobenzene (1,2,3 & 1,2,4)	µg/l		-																				
Tetrachloroethene	µg/l		10		<5	<5	<5	<5	<5	<5	<5	<5	<5										
Tetrachloromethane	µg/l		3		<1	<1	<1	<1	<1	<1	<1	<1	<1										
1,1,1,2 Tetrachloroethane	µg/l		-		<1	<1	<1	<1	<1	<1	<1	<1	<1										
Vinyl Chloride (Chloroethene)	µg/l		0.5		<1	<1	<1	<1	<1	<1	<1	<1	<1										
>C5 to C6 Aliphatic	µg/l	100	10		<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0							<100.0			
>C6 to C8 Aliphatic	µg/l	100	10		<100.0	<100.0	<100.0	148	<100.0	<100.0	<100.0	<100.0	<100.0							<100.0			
>C8 to C10 Aliphatic	µg/l	100	10		<100.0	<100.0	<100.0	648	<100.0	<100.0	122	<100.0	<100.0							<100.0			
>C10 to C12 Aliphatic	µg/l	10	10		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C12 to C16 Aliphatic	µg/l	10	10		10	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C16 to C21 Aliphatic	µg/l	10	10		10	<100.0	10	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C21 to C35 Aliphatic	µg/l	10	10		850	150	1030	10	170	10	<10.0	150	<10.0							<10.0			
>C35 to C44 Aliphatic	µg/l	10	10		100	<100.0	100	<10.0	120	<10.0	<10.0	110	<10.0							<10.0			
Total Aliphatic C5-35	µg/l	340	-																				
>C5 to C7 Aromatic	µg/l	5	10		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0							<5.0			
>C7 to C8 Aromatic	µg/l	5	10		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0							<5.0			
>C8 to C10 Aromatic	µg/l	20	10		<20.0	<20.0	<20.0	50	<20.0	<20.0	<20.0	<20.0	<20.0							<20.0			
>C10 to C12 Aromatic	µg/l	10	10		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C12 to C16 Aromatic	µg/l	10	10		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C16 to C21 Aromatic	µg/l	10	10		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C21 to C35 Aromatic	µg/l	10	10		<10.0	160	20	<10.0	<100.0	20	<10.0	150	10							<10.0			
>C35 to C44 Aromatic	µg/l	10	10		<10.0	<100.0	20	<10.0	<100.0	20	<10.0	<100.0	<10.0							<10.0			
Total Aromatic C5-C35	µg/l	70	-																				
TPH Ali/Aro	µg/l	410	10		<100.0 (GRO >C5-10) , 980.0 (Aliphatics >C8-40) , 30.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 360.0 (Aliphatics >C8-40) , 240.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 1140.0 (Aliphatics >C8-40) , 40.0 (Aromatics >C8-40) , <100.0 (GRO >C5-10) , 1140.0 (Aliphatics >C8-40) , 40.0 (Aromatics >C8-40)	867.0 (GRO >C5-10) , 20.0 (Aliphatics >C8-40) , 30.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 420.0 (Aliphatics >C8-40) , 180.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 30.0 (Aliphatics >C8-40) , 50.0 (Aromatics >C8-40)	177.0 (GRO >C5-10) , <10.0 (Aliphatics >C8-40) , 10.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 320.0 (Aliphatics >C8-40) , 220.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , <10.0 (Aliphatics >C8-40) , 20.0 (Aromatics >C8-40)	<100.0 (GRO >C6-10) , 70.0 (EPH >C10-40) , 170.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 3330.0 (EPH >C10-40) , <11000.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 10.0 (EPH >C10-40) , 110.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 50.0 (EPH >C10-40) , 150.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 240.0 (EPH >C10-40) , <2200.0 (TPH >C6-40)	<100.0 (GRO >C5-10) , 130.0 (TPH >C6-40) , 10.0 (Aliphatics >C8-40) , <10.0 (Aromatics >C8-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 1320.0 (EPH >C10-40) , 1420.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 1740.0 (EPH >C10-40) , 1840.0 (TPH >C6-40)
Benzene	µg/l	1	1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	µg/l	0.5	300		<0.5	<0.5	<0.5	35	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/l	1	700		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene	µg/l		500																				
M- & P-Xylene	µg/l	1	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
O-Xylene	µg/l	1	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Xylene (M, P & O)	µg/l	2	-																				
MTBE	µg/l	1	15		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1
naphthalene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
acenaphthylene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
acenaphthene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
fluorene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
phenanthrene	µg/l	0.01	-		<0.01	<0.04	0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
anthracene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
fluoranthene	µg/l	0.01	-		<0.01	<0.04	0.08	<0.01	<0.04	<0.01	<0.01	0.04	<0.01	<0.01	<1.00	<0.40	<0.01	0.02	<0.20	<0.01	<0.40	<0.01	<0.10
pyrene	µg/l	0.01	-		<0.01	<0.04	0.08	<0.01	<0.04	<0.01	<0.01	0.04	<0.01	<0.01	<1.00	<0.40	<0.01	0.02	<0.20	<0.01	<0.40	<0.01	0.42
benzo(a)anthracene	µg/l	0.01	-		<0.01	<0.04	0.06	<0.01	<0.04	<0.01	<0.01	0.03	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
chrysene	µg/l	0.01	-		<0.01	<0.04	0.05	0.01	<0.04	<0.01	0.01	0.02	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(b)fluoranthene	µg/l	0.01	0.1		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(k)fluoranthene	µg/l	0.01	0.1		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(a)pyrene	µg/l	0.01	0.01		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(g,h,i)perylene	µg/l	0.01	0.1		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
dibenzo(ah)anthracene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
indeno(1,2,3-c,d)pyrene	µg/l	0.01	0.1		<0.01	<0.04	0.05	<0.01	<0.04	<0.01	0.03	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10

				LOC ID	2L6002SA	2L6002SA	2L6002SA	2L6003SA	2L6003SA	2L6003SA	2L6005SA	2L6005SA	2L6005SA	2L6007DR	2L6008DR	2L6008DR	2L6008DR	2L6008DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR
				DEPTH	3.29	5.90	6.10	4.02	5.80	6.40	3.34	5.00	6.70	5.02	1.64	2.20	5.07	6.31	2.52	3.30	3.50	4.17	5.41
				GEOL	LC						LC	LC	LC		ALV	Head			ALV	LC	LC	LC	LC
			Assessment Criteria	LAB ID				2L6003SAW12/05/23115701		2L6002SAW18/07/23	2L6005SAW11/05/23120425			2L6007DRW1102607	2L6008DRW10/05/23120838		2L6008DRW2102626		2L6009DRW10/05/23121112	2L6009DRW5112142			2L6009DRW2102659
Analyte	Units	LOD	Human Consumption	LAB RECEIVED DATE	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	19/08/2023	13/05/2023	19/09/2023	19/08/2023	12/01/2024	13/05/2023	09/04/2024	19/09/2023	12/01/2024	19/08/2023
Sum (benzo b, k, ghi & indeno123cd)	µg/l	0.04	0.1																				
Total PAH	µg/l	0.16	-		<0.16	<0.64	0.44	0.16	<0.64	<0.16	0.18	0.24	<0.16	<0.16	<16.0	<6.40	<0.16	0.17	<3.20	<0.16	<6.40	<0.16	1.92
PFOS	µg/l	0.01	0.1																				
PFOA	µg/l	0.01	0.1																				

			2L6010DR	2L6010DR	2L6010DR	2L6010DR	2L6011SR	2L6011SR	2L6011SR	2L6012SR	2L6012SR	2L6012SR	3L6106DS	3L6106DS	3L6106DS
			3.33	3.44	3.89	4.00	4.68	4.86	5.00	0.60	4.00	5.00	2.50	5.48	5.70
			ALV	ALV	ALV		LC	LC	LC	RTD	LC	LC	LC	LC	LC
			2L6010DRW410522 7	2L6010DRW200723103554	2L6010DRW10/05/23121553			2L6011SRW03/05/23105008		2L6012SRW03/05/23105100		2L6012SRW180723103634			
Analyte	Units	LOD	09/04/2024	22/07/2023	13/05/2023	19/09/2023	17/01/2024	06/05/2023	19/09/2023	06/05/2023	20/01/2024	20/07/2023	05/07/2024	01/06/2024	19/07/2024
Alkalinity as CaCO3	µg/l														
Arsenic	µg/l	1	<1.0	2	2	<1.0	2	6	2	3	2	3	<1.0	<1.0	<1.0
Boron	µg/l	10	470	930	740	940	320	480	360	480	150	100	70	130	240
Cadmium	µg/l	0.02	<0.02	<0.02	<0.02	0.07	0.03	<0.02	<0.02	<0.02	0.03	<0.02	0.02	0.05	0.13
Chromium (Total)	µg/l	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium Trivalent	µg/l	3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Chromium Hexavalant	µg/l	3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Copper	µg/l	1	<1.0	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	µg/l												<10.0	190	<10.0
Lead	µg/l	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mercury	µg/l	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese	µg/l												50	280	230
Fluoride	µg/l	1	300	400	300	400	200	400	400	500	2400	200	1000	500	600
Nickel	µg/l	1	<1.0	1	1	3	6	<1.0	4	1	<1.0	2	<1.0	2	2
Selenium	µg/l	1	<1.0	<1.0	2	<1.0	1	1	1	<1.0	<1.0	<1.0	1	5	<1.0
Zinc	µg/l	2	7	10	3	9	7	<2.0	6	<2.0	9	11	6	19	12
Total Ammonia (N)	µg/l	20	32.9	601.2	296.5	502.4	403.5	296.5	502.4	197.6	403.5	197.6	<16.5	123.5	197.6
Ammoniacal Nitrogen as N	µg/l	20											<10.0	120	200
Ammoniacal Nitrogen as NH3	µg/l	20	40	730	360	610	490	360	610	240	490	240	<20.0	150	240
Ammonium (NH4)	µg/l	20	42.4	772.9	381.2	645.9	518.8	381.2	645.9	254.1	518.8	254.1	<21.2	158.8	254.1
Chloride	µg/l	1000	71000	221000	351000	184000	110000	300000	171000	108000	30000	27000	120000	120000	109000
Chlorine	µg/l														
Cyanide	µg/l	20	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Nitrate as NO3	µg/l	900	3700	<900.0	<900.0	1400	<900.0	900	1300	<900.0	<900.0	<900.0	2900	2500	1500
Nitrite as NO2	µg/l	40	60	<40.0	<40.0	<40.0	120	<40.0	<40.0	<40.0	<40.0	40	<40.0	190	<40.0
Phenol	µg/l												<20.0	<20.0	<20.0
Pentachlorophenol	µg/l	0.04		<0.04	<0.04			<0.04		<0.04		0.05	<0.04	<0.04	<0.04
PCBs	µg/l														
Sodium	µg/l			115000	219000	81000	375000	360000	379000	225000	87000	32000			
Sulphate	µg/l	3000	191000	286000	264000	281000	1550000	1080000	1370000	735000	417000	120000	273000	1040000	1220000
pH	pH Units	1	7.6	7.6	7.8	7.6	7.5	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.2
Dichloromethane	µg/l														
1,2 Dichloroethane	µg/l												<1	<1	<1
Trichloroethene (PCE)	µg/l												<5	<5	<5
1,1,1 Trichloroethane	µg/l												<1	<1	<1
1,1,2 Trichloroethane	µg/l												<1	<1	<1
Trichloromethane (Chloroform)	µg/l												<5	<5	<5
1,2,3 Trichlorobenzene	µg/l	0.01		<0.01	<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	<0.03
1,2,4 Trichlorobenzene	µg/l												<5.0	<5.0	<5.0
Trichlorobenzene (1,2,3 & 1,2,4)	µg/l														
Tetrachloroethene	µg/l												<5	<5	<5
Tetrachloromethane	µg/l												<1	<1	<1
1,1,1,2 Tetrachloroethane	µg/l												<1	<1	<1
Vinyl Chloride (Chloroethene)	µg/l												<1	<1	<1
>C5 to C6 Aliphatic	µg/l	100	<100.0										<100.0	<100.0	<100.0
>C6 to C8 Aliphatic	µg/l	100	<100.0										<100.0	<100.0	<100.0
>C8 to C10 Aliphatic	µg/l	100	<100.0										<100.0	<100.0	<100.0
>C10 to C12 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C12 to C16 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C16 to C21 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C21 to C35 Aliphatic	µg/l	10	<10.0										200	<200.0	<10.0
>C35 to C44 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
Total Aliphatic C5-35	µg/l	340													
>C5 to C7 Aromatic	µg/l	5	<5.0										<5.0	<5.0	<5.0
>C7 to C8 Aromatic	µg/l	5	<5.0										<5.0	<5.0	<5.0
>C8 to C10 Aromatic	µg/l	20	<20.0										<20.0	<20.0	<20.0
>C10 to C12 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C12 to C16 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C16 to C21 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C21 to C35 Aromatic	µg/l	10	<10.0										<100.0	260	<10.0
>C35 to C44 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
Total Aromatic C5-C35	µg/l	70													
TPH Ali/Aro	µg/l	410	<100.0 (GRO >C5-10) , 110.0 (TPH >C6-40) , <10.0 (Aliphatics >C8-40) , <10.0 (Aromatics >C8-40)	<100.0 (GRO >C6-10) , 740.0 (EPH >C10-40) , <2200.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 2630.0 (EPH >C10-40) , <11000.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 240.0 (EPH >C10-40) , <2200.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , 240.0 (EPH >C10-40) , <2200.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <2000.0 (EPH >C10-40) , <22000.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , <2000.0 (EPH >C10-40) , <22000.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 570.0 (EPH >C10-40) , <4400.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , 570.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 1840.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 310.0 (EPH >C10-40) , <1100.0 (TPH >C6-40)	<100.0 (GRO >C5-10) , 240.0 (Aliphatics >C8-40) , 140.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 300.0 (Aliphatics >C8-40) , 350.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , <10.0 (Aliphatics >C8-40) , <10.0 (Aromatics >C8-40)
Benzene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	µg/l	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene	µg/l														
M- & P-Xylene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
O-Xylene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Xylene (M, P & O)	µg/l	2													
MTBE	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1
naphthalene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
acenaphthylene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
acenaphthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
fluorene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
phenanthrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
anthracene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
fluoranthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
pyrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(a)anthracene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
chrysene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(b)fluoranthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(k)fluoranthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(a)pyrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(g,h,i)perylene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
dibenzo(ah)anthracene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
indeno(1,2,3-c,d)pyrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	0.61	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01

			2L6010DR	2L6010DR	2L6010DR	2L6010DR	2L6011SR	2L6011SR	2L6011SR	2L6012SR	2L6012SR	2L6012SR	3L6106DS	3L6106DS	3L6106DS
			3.33	3.44	3.89	4.00	4.68	4.86	5.00	0.60	4.00	5.00	2.50	5.48	5.70
			ALV	ALV	ALV		LC	LC	LC	RTD	LC	LC	LC	LC	LC
			2L6010DRW4105227	2L6010DRW200723103554	2L6010DRW10/05/23121553			2L6011SRW03/05/23105008		2L6012SRW03/05/23105100		2L6012SRW180723103634			
Analyte	Units	LOD	09/04/2024	22/07/2023	13/05/2023	19/09/2023	17/01/2024	06/05/2023	19/09/2023	06/05/2023	20/01/2024	20/07/2023	05/07/2024	01/06/2024	19/07/2024
Sum (benzo b, k, ghi & indeno123cd)	µg/l	0.04													
Total PAH	µg/l	0.16	<0.16	<3.20	<16.0	<6.40	3.61	<32.0	<6.40	<6.40	<6.40	<1.60	<1.60	<3.20	<0.16
PFOS	µg/l	0.01											<0.016	<0.008	0.085
PFOA	µg/l	0.01											<0.016	<0.008	<0.016

				LOC ID	2L6002SA	2L6002SA	2L6002SA	2L6003SA	2L6003SA	2L6003SA	2L6005SA	2L6005SA	2L6005SA	2L6007DR	2L6008DR	2L6008DR	2L6008DR	2L6008DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR
				DEPTH	3.29	5.90	6.10	4.02	5.80	6.40	3.34	5.00	6.70	5.02	1.64	2.20	5.07	6.31	2.52	3.30	3.50	4.17	5.41
				GEOL	LC						LC	LC	LC		ALV	Head			ALV	LC	LC	LC	LC
			Assessment Criteria	LAB ID				2L6003SAW12/05/23115701		2L6002SAW18/07/23	2L6005SAW11/05/23120425			2L6007DRW110260 7	2L6008DRW10/05/23120838		2L6008DRW2102626		2L6009DRW10/05/23121112	2L6009DRW5112142			2L6009DRW2102659
Analyte	Units	LOD	Fresh Water	LAB RECEIVED DATE	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	19/08/2023	13/05/2023	19/09/2023	19/08/2023	12/01/2024	13/05/2023	09/04/2024	19/09/2023	12/01/2024	19/08/2023
Alkalinity as CaCO3	µg/l		-																				
Arsenic	µg/l	1	50		1	<1.0	1	2	1	1	1	2	2	<1.0	2	4	1	<1.0	<1.0	<1.0	2	<1.0	<1.0
Boron	µg/l	10	-		530	320	370	530	380	450	690	460	450	990	240	170	720	870	170	1050	970	1020	1050
Cadmium	µg/l	0.02	0.08		0.02	<0.02	<0.02	0.04	<0.02	<0.02	0.06	0.27	0.11	<0.02	0.02	<0.02	0.02	0.07	0.07	0.03	0.02	0.05	<0.02
Chromium (Total)	µg/l	1	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium Trivalent	µg/l	3	4.7		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Chromium Hexavalant	µg/l	3	3.4		<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5	<3.0
Copper	µg/l	1	1		1	<1.0	<1.0	<1.0	<1.0	<1.0	3	19	2	<1.0	<1.0	<1.0	2	1	2	<1.0	<1.0	<1.0	<1.0
Iron	µg/l		1000		<10.0	<10.0	10	<10.0	<10.0	10	<10.0	80	10										
Lead	µg/l	1	1.2		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	24	<1.0	<1.0	1	<1.0	8	7	<1.0	<1.0	<1.0	6	10
Mercury	µg/l	0.03	0.07		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese	µg/l		123		<10.0	10	80	70	50	100	50	260	90										
Fluoride	µg/l	1	-		300	400	300	400	400	300	200	200	200	600	400	400	400	600	200	800	600	900	800
Nickel	µg/l	1	4		1	1	1	1	2	1	4	7	4	3	4	7	9	3	2	1	<1.0	2	<1.0
Selenium	µg/l	1	-		3	<1.0	<1.0	1	<1.0	<1.0	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Zinc	µg/l	2	10.9		7	6	16	7	5	8	12	82	12	3	26	6	17	77	6	20	5	36	9
Total Ammonia (N)	µg/l	20	200		<16.5	16.5	74.1	49.4	82.4	107.1	247.1	140.0	172.9	1498.8	197.6	296.5	996.5	296.5	57.6	1301.2	601.2	1498.8	1597.6
Ammoniacal Nitrogen as N	µg/l	20	-		<10.0	20	70	50	80	110	250	140	170										
Ammoniacal Nitrogen as NH3	µg/l	20	-		<20.0	20	90	60	100	130	300	170	210	1820	240	360	1210	360	70	1580	730	1820	1940
Ammonium (NH4)	µg/l	20	-		<21.2	21.2	95.3	63.5	105.9	137.6	317.6	180.0	222.4	1927.1	254.1	381.2	1281.2	381.2	74.1	1672.9	772.9	1927.1	2054.1
Chloride	µg/l	1000	-		525000	216000	256000	393000	196000	268000	676000	321000	239000	113000	189000	107000	531000	250000	72000	53000	189000	55000	53000
Chlorine	µg/l		2																				
Cyanide	µg/l	20	1		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Nitrate as NO3	µg/l	900	-		<900.0	<900.0	<900.0	1000	<900.0	<900.0	3900	1000	<900.0	<900.0	4500	2900	<900.0	4000	2100	1200	1200	900	<900.0
Nitrite as NO2	µg/l	40	-		<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	90	<40.0	<40.0	<40.0	<40.0	<40.0	720	50	<40.0	240	<40.0	<40.0	210
Phenol	µg/l		7.7		<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0										
Pentachlorophenol	µg/l	0.04	0.4		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		<0.04		<0.04				
PCBs	µg/l		-																				
Sodium	µg/l		-											133000	165000	57000	297000	148000	47000		148000	96000	95000
Sulphate	µg/l	3000	-		287000	160000	161000	252000	181000	215000	2020000	1890000	1400000	544000	186000	170000	227000	203000	71000	492000	508000	479000	525000
pH	pH Units	1	-		7.3	7.4	7.5	7.5	7.4	7.5	7	7	7.2	7.9	7.6	7.2	7.7	7.9	7.3	7.7	7.7	7.5	7.9
Dichloromethane	µg/l		-																				
1,2 Dichloroethane	µg/l		10		<1	<1	<1	<1	<1	<1	<1	<1	<1										
Trichloroethene (PCE)	µg/l		10		<5	<5	<5	<5	<5	<5	<5	<5	<5										
1,1,1 Trichloroethane	µg/l		-		<1	<1	<1	<1	<1	<1	<1	<1	<1										
1,1,2 Trichloroethane	µg/l		-		<1	<1	<1	<1	<1	<1	<1	<1	<1										
Trichloromethane (Chloroform)	µg/l		2.5		<5	<5	<5	<5	<5	<5	<5	<5	<5										
1,2,3 Trichlorobenzene	µg/l	0.01	-		<0.02	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01		<0.01				
1,2,4 Trichlorobenzene	µg/l		-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0										
Trichlorobenzene (1,2,3 & 1,2,4)	µg/l		0.4																				
Tetrachloroethene	µg/l		10		<5	<5	<5	<5	<5	<5	<5	<5	<5										
Tetrachloromethane	µg/l		12		<1	<1	<1	<1	<1	<1	<1	<1	<1										
1,1,1,2 Tetrachloroethane	µg/l		140		<1	<1	<1	<1	<1	<1	<1	<1	<1										
Vinyl Chloride (Chloroethene)	µg/l		-		<1	<1	<1	<1	<1	<1	<1	<1	<1										
>C5 to C6 Aliphatic	µg/l	100	-		<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0							<100.0			
>C6 to C8 Aliphatic	µg/l	100	-		<100.0	<100.0	<100.0	148	<100.0	<100.0	<100.0	<100.0	<100.0							<100.0			
>C8 to C10 Aliphatic	µg/l	100	-		<100.0	<100.0	<100.0	648	<100.0	<100.0	122	<100.0	<100.0							<100.0			
>C10 to C12 Aliphatic	µg/l	10	-		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C12 to C16 Aliphatic	µg/l	10	-		10	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C16 to C21 Aliphatic	µg/l	10	-		10	<100.0	10	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C21 to C35 Aliphatic	µg/l	10	-		850	150	1030	10	170	10	<10.0	150	<10.0							<10.0			
>C35 to C44 Aliphatic	µg/l	10	-		100	<100.0	100	<10.0	120	<10.0	<10.0	110	<10.0							<10.0			
Total Aliphatic C5-35	µg/l	340	-																				
>C5 to C7 Aromatic	µg/l	5	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0							<5.0			
>C7 to C8 Aromatic	µg/l	5	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0							<5.0			
>C8 to C10 Aromatic	µg/l	20	-		<20.0	<20.0	<20.0	50	<20.0	<20.0	<20.0	<20.0	<20.0							<20.0			
>C10 to C12 Aromatic	µg/l	10	-		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C12 to C16 Aromatic	µg/l	10	-		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C16 to C21 Aromatic	µg/l	10	-		<10.0	<100.0	<10.0	<10.0	<100.0	<10.0	<10.0	<100.0	<10.0							<10.0			
>C21 to C35 Aromatic	µg/l	10	-		<10.0	160	20	<10.0	<100.0	20	<10.0	150	10							<10.0			
>C35 to C44 Aromatic	µg/l	10	-		<10.0	<100.0	20	<10.0	<100.0	20	<10.0	<100.0	<10.0							<10.0			
Total Aromatic C5-C35	µg/l	70	-																				
TPH Ali/Aro	µg/l	410	-		<100.0 (GRO >C5-10) , 980.0 (Aliphatics >C8-40) , 30.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 360.0 (Aliphatics >C8-40) , 240.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 1140.0 (Aliphatics >C8-40) , 40.0 (Aromatics >C8-40) , <100.0 (GRO >C5-10) , 1140.0 (Aliphatics >C8-40) , 40.0 (Aromatics >C8-40)	867.0 (GRO >C5-10) , 20.0 (Aliphatics >C8-40) , 30.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 420.0 (Aliphatics >C8-40) , 180.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 30.0 (Aliphatics >C8-40) , 50.0 (Aromatics >C8-40)	177.0 (GRO >C5-10) , <10.0 (Aliphatics >C8-40) , 10.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 320.0 (Aliphatics >C8-40) , 220.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , <10.0 (Aliphatics >C8-40) , 20.0 (Aromatics >C8-40)	<100.0 (GRO >C6-10) , 70.0 (EPH >C10-40) , 170.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 3330.0 (EPH >C10-40) , <11000.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 10.0 (EPH >C10-40) , 110.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 50.0 (EPH >C10-40) , 150.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 240.0 (EPH >C10-40) , <2200.0 (TPH >C6-40)	<100.0 (GRO >C5-10) , 130.0 (TPH >C6-40) , 10.0 (Aliphatics >C8-40) , <10.0 (Aromatics >C8-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 1320.0 (EPH >C10-40) , 1420.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 1740.0 (EPH >C10-40) , 1840.0 (TPH >C6-40)
Benzene	µg/l	1	10		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	µg/l	0.5	-		<0.5	<0.5	<0.5	35	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/l	1	74		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene	µg/l		30																				
M- & P-Xylene	µg/l	1	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
O-Xylene	µg/l	1	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Xylene (M, P & O)	µg/l	2	-																				
MTBE	µg/l	1	-		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1
naphthalene	µg/l	0.01	2		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
acenaphthylene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
acenaphthene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
fluorene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
phenanthrene	µg/l	0.01	-		<0.01	<0.04	0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
anthracene	µg/l	0.01	0.1		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
fluoranthene	µg/l	0.01	0.0063		<0.01	<0.04	0.08	<0.01	<0.04	<0.01	<0.01	0.04	<0.01	<0.01	<1.00	<0.40	<0.01	0.02	<0.20	<0.01	<0.40	<0.01	<0.10
pyrene	µg/l	0.01	-		<0.01	<0.04	0.08	<0.01	<0.04	<0.01	<0.01	0.04	<0.01	<0.01	<1.00	<0.40	<0.01	0.02	<0.20	<0.01	<0.40	<0.01	0.42
benzo(a)anthracene	µg/l	0.01	-		<0.01	<0.04	0.06	<0.01	<0.04	<0.01	<0.01	0.03	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
chrysene	µg/l	0.01	-		<0.01	<0.04	0.05	0.01	<0.04	<0.01	0.01	0.02	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(b)fluoranthene	µg/l	0.01	0.017		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(k)fluoranthene	µg/l	0.01	0.017		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(a)pyrene	µg/l	0.01	0.00017		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
benzo(g,h,i)perylene	µg/l	0.01	0.0082		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
dibenzo(ah)anthracene	µg/l	0.01	-		<0.01	<0.04	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10
indeno(1,2,3-c,d)pyrene	µg/l	0.01	-		<0.01	<0.04	0.05	<0.01	<0.04	<0.01	0.03	<0.01	<0.01	<0.01	<1.00	<0.40	<0.01	<0.01	<0.20	<0.01	<0.40	<0.01	<0.10

				LOC ID	2L6002SA	2L6002SA	2L6002SA	2L6003SA	2L6003SA	2L6003SA	2L6005SA	2L6005SA	2L6005SA	2L6007DR	2L6008DR	2L6008DR	2L6008DR	2L6008DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR	2L6009DR
				DEPTH	3.29	5.90	6.10	4.02	5.80	6.40	3.34	5.00	6.70	5.02	1.64	2.20	5.07	6.31	2.52	3.30	3.50	4.17	5.41
				GEOL	LC						LC	LC	LC		ALV	Head			ALV	LC	LC	LC	LC
			Assessment Criteria	LAB ID				2L6003SAW12/05/23115701		2L6002SAW18/07/23	2L6005SAW11/05/23120425			2L6007DRW1102607	2L6008DRW10/05/23120838		2L6008DRW2102626		2L6009DRW10/05/23121112	2L6009DRW5112142			2L6009DRW2102659
Analyte	Units	LOD	Fresh Water	LAB RECEIVED DATE	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	13/05/2023	16/09/2023	20/07/2023	19/08/2023	13/05/2023	19/09/2023	19/08/2023	12/01/2024	13/05/2023	09/04/2024	19/09/2023	12/01/2024	19/08/2023
Sum (benzo b, k, ghi & indeno123cd)	µg/l	0.04	-																				
Total PAH	µg/l	0.16	-		<0.16	<0.64	0.44	0.16	<0.64	<0.16	0.18	0.24	<0.16	<0.16	<16.0	<6.40	<0.16	0.17	<3.20	<0.16	<6.40	<0.16	1.92
PFOS	µg/l	0.01	-																				
PFOA	µg/l	0.01	-																				

			2L6010DR	2L6010DR	2L6010DR	2L6010DR	2L6011SR	2L6011SR	2L6011SR	2L6012SR	2L6012SR	2L6012SR	3L6106DS	3L6106DS	3L6106DS
			3.33	3.44	3.89	4.00	4.68	4.86	5.00	0.60	4.00	5.00	2.50	5.48	5.70
			ALV	ALV	ALV		LC	LC	LC	RTD	LC	LC	LC	LC	LC
			2L6010DRW410522 7	2L6010DRW200723103554	2L6010DRW10/05/23121553			2L6011SRW03/05/23105008		2L6012SRW03/05/23105100		2L6012SRW180723103634			
Analyte	Units	LOD	09/04/2024	22/07/2023	13/05/2023	19/09/2023	17/01/2024	06/05/2023	19/09/2023	06/05/2023	20/01/2024	20/07/2023	05/07/2024	01/06/2024	19/07/2024
Alkalinity as CaCO3	µg/l														
Arsenic	µg/l	1	<1.0	2	2	<1.0	2	6	2	3	2	3	<1.0	<1.0	<1.0
Boron	µg/l	10	470	930	740	940	320	480	360	480	150	100	70	130	240
Cadmium	µg/l	0.02	<0.02	<0.02	<0.02	0.07	0.03	<0.02	<0.02	<0.02	0.03	<0.02	0.02	0.05	0.13
Chromium (Total)	µg/l	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium Trivalent	µg/l	3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Chromium Hexavalant	µg/l	3	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Copper	µg/l	1	<1.0	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	µg/l												<10.0	190	<10.0
Lead	µg/l	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mercury	µg/l	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Manganese	µg/l												50	280	230
Fluoride	µg/l	1	300	400	300	400	200	400	400	500	2400	200	1000	500	600
Nickel	µg/l	1	<1.0	1	1	3	6	<1.0	4	1	<1.0	2	<1.0	2	2
Selenium	µg/l	1	<1.0	<1.0	2	<1.0	1	1	1	<1.0	<1.0	<1.0	1	5	<1.0
Zinc	µg/l	2	7	10	3	9	7	<2.0	6	<2.0	9	11	6	19	12
Total Ammonia (N)	µg/l	20	32.9	601.2	296.5	502.4	403.5	296.5	502.4	197.6	403.5	197.6	<16.5	123.5	197.6
Ammoniacal Nitrogen as N	µg/l	20											<10.0	120	200
Ammoniacal Nitrogen as NH3	µg/l	20	40	730	360	610	490	360	610	240	490	240	<20.0	150	240
Ammonium (NH4)	µg/l	20	42.4	772.9	381.2	645.9	518.8	381.2	645.9	254.1	518.8	254.1	<21.2	158.8	254.1
Chloride	µg/l	1000	71000	221000	351000	184000	110000	300000	171000	108000	30000	27000	120000	120000	109000
Chlorine	µg/l														
Cyanide	µg/l	20	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Nitrate as NO3	µg/l	900	3700	<900.0	<900.0	1400	<900.0	900	1300	<900.0	<900.0	<900.0	2900	2500	1500
Nitrite as NO2	µg/l	40	60	<40.0	<40.0	<40.0	120	<40.0	<40.0	<40.0	<40.0	40	<40.0	190	<40.0
Phenol	µg/l												<20.0	<20.0	<20.0
Pentachlorophenol	µg/l	0.04		<0.04	<0.04			<0.04		<0.04		0.05	<0.04	<0.04	<0.04
PCBs	µg/l														
Sodium	µg/l			115000	219000	81000	375000	360000	379000	225000	87000	32000			
Sulphate	µg/l	3000	191000	286000	264000	281000	1550000	1080000	1370000	735000	417000	120000	273000	1040000	1220000
pH	pH Units	1	7.6	7.6	7.8	7.6	7.5	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.2
Dichloromethane	µg/l														
1,2 Dichloroethane	µg/l												<1	<1	<1
Trichloroethene (PCE)	µg/l												<5	<5	<5
1,1,1 Trichloroethane	µg/l												<1	<1	<1
1,1,2 Trichloroethane	µg/l												<1	<1	<1
Trichloromethane (Chloroform)	µg/l												<5	<5	<5
1,2,3 Trichlorobenzene	µg/l	0.01		<0.01	<0.01			<0.01		<0.01		<0.01	<0.01	<0.01	<0.03
1,2,4 Trichlorobenzene	µg/l												<5.0	<5.0	<5.0
Trichlorobenzene (1,2,3 & 1,2,4)	µg/l														
Tetrachloroethene	µg/l												<5	<5	<5
Tetrachloromethane	µg/l												<1	<1	<1
1,1,1,2 Tetrachloroethane	µg/l												<1	<1	<1
Vinyl Chloride (Chloroethene)	µg/l												<1	<1	<1
>C5 to C6 Aliphatic	µg/l	100	<100.0										<100.0	<100.0	<100.0
>C6 to C8 Aliphatic	µg/l	100	<100.0										<100.0	<100.0	<100.0
>C8 to C10 Aliphatic	µg/l	100	<100.0										<100.0	<100.0	<100.0
>C10 to C12 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C12 to C16 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C16 to C21 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C21 to C35 Aliphatic	µg/l	10	<10.0										200	<200.0	<10.0
>C35 to C44 Aliphatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
Total Aliphatic C5-35	µg/l	340													
>C5 to C7 Aromatic	µg/l	5	<5.0										<5.0	<5.0	<5.0
>C7 to C8 Aromatic	µg/l	5	<5.0										<5.0	<5.0	<5.0
>C8 to C10 Aromatic	µg/l	20	<20.0										<20.0	<20.0	<20.0
>C10 to C12 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C12 to C16 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C16 to C21 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
>C21 to C35 Aromatic	µg/l	10	<10.0										<100.0	260	<10.0
>C35 to C44 Aromatic	µg/l	10	<10.0										<100.0	<200.0	<10.0
Total Aromatic C5-C35	µg/l	70													
TPH Ali/Aro	µg/l	410	<100.0 (GRO >C5-10) , 110.0 (TPH >C6-40) , <10.0 (Aliphatics >C8-40) , <10.0 (Aromatics >C8-40)	<100.0 (GRO >C6-10) , 740.0 (EPH >C10-40) , <2200.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 2630.0 (EPH >C10-40) , <11000.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 240.0 (EPH >C10-40) , <2200.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , 240.0 (EPH >C10-40) , <2200.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <2000.0 (EPH >C10-40) , <22000.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , <2000.0 (EPH >C10-40) , <22000.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , <400.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 570.0 (EPH >C10-40) , <4400.0 (TPH >C6-40) , <100.0 (GRO >C6-10) , 570.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 1840.0 (EPH >C10-40) , <4400.0 (TPH >C6-40)	<100.0 (GRO >C6-10) , 310.0 (EPH >C10-40) , <1100.0 (TPH >C6-40)	<100.0 (GRO >C5-10) , 240.0 (Aliphatics >C8-40) , 140.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , 300.0 (Aliphatics >C8-40) , 350.0 (Aromatics >C8-40)	<100.0 (GRO >C5-10) , <10.0 (Aliphatics >C8-40) , <10.0 (Aromatics >C8-40)
Benzene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	µg/l	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylene	µg/l														
M- & P-Xylene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
O-Xylene	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Xylene (M, P & O)	µg/l	2													
MTBE	µg/l	1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1
naphthalene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
acenaphthylene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
acenaphthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
fluorene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
phenanthrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
anthracene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
fluoranthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
pyrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(a)anthracene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
chrysene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(b)fluoranthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(k)fluoranthene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(a)pyrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
benzo(g,h,i)perylene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
dibenzo(ah)anthracene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	<0.20	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01
indeno(1,2,3-c,d)pyrene	µg/l	0.01	<0.01	<0.20	<1.00	<0.40	0.61	<2.00	<0.40	<0.40	<0.40	<0.10	<0.10	<0.20	<0.01

			2L6010DR	2L6010DR	2L6010DR	2L6010DR	2L6011SR	2L6011SR	2L6011SR	2L6012SR	2L6012SR	2L6012SR	3L6106DS	3L6106DS	3L6106DS
			3.33	3.44	3.89	4.00	4.68	4.86	5.00	0.60	4.00	5.00	2.50	5.48	5.70
			ALV	ALV	ALV		LC	LC	LC	RTD	LC	LC	LC	LC	LC
			2L6010DRW4105227	2L6010DRW200723103554	2L6010DRW10/05/23121553			2L6011SRW03/05/23105008		2L6012SRW03/05/23105100		2L6012SRW180723103634			
Analyte	Units	LOD	09/04/2024	22/07/2023	13/05/2023	19/09/2023	17/01/2024	06/05/2023	19/09/2023	06/05/2023	20/01/2024	20/07/2023	05/07/2024	01/06/2024	19/07/2024
Sum (benzo b, k, ghi & indeno123cd)	µg/l	0.04													
Total PAH	µg/l	0.16	<0.16	<3.20	<16.0	<6.40	3.61	<32.0	<6.40	<6.40	<6.40	<1.60	<1.60	<3.20	<0.16
PFOS	µg/l	0.01											<0.016	<0.008	0.085
PFOA	µg/l	0.01											<0.016	<0.008	<0.016

Appendix E: HazWasteOnline™ Reports

Waste Classification Report

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

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

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

[redacted]

Job name

Hampshire Water Transfer and Water Recycling Project (HWTWRP)[10]

Description/Comments

Waste classification of soils to be excavated for proposed pipeline. Boreholes 2L6000TP, 2L6001TP, 2L6004TP, 2L6006TP, 2L6002SA, 2L6003SA, 2L6005SA, 2L6007DR, 2L6008DR, 2L6009DR, 2L6010DR, 2L6010DR, 2L6011SR and 2L601SR are all located in agricultural land.

Project

Phase 2 GIR

Site

Section L

Classified by

Name:
[redacted]
Date:
14 Feb 2024 15:17 GMT
Telephone:
[redacted]

Company:
Stantec UK Ltd
The Stills, 1st Floor
80 Turnmill Street
LONDON
EC1M5QU

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

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	09 Feb 2023

Next 3 year Refresher due by Feb 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Winchester Road, Fair Oak and Horton Heath, Crowdhill, Eastleigh, Hampshire **Post Code** SO50 7JF

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Water Industry

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

Waste arising from ground investigation.

Description of the waste

2L6000TP (0.3m) - Made Ground (Grass over soft dark brown slightly gravelly cobbly clay. Gravel is of chert, chalk, decaying wood and brick). (0.5m and 3.1m) - London Clay
2L6001TP (0.3m, 1m, 3.5m) - London Clay
2L6004TP (0.1m) - Made Ground (Grass over soft dark brown sandy gravelly bouldery clay. Gravel is of bricks, glass, plastic, chert and concrete. (0.5m) - Head deposits. (3m and 4m) - London Clay.
2L6006TP (0.1m) - Made Ground (Soft brown slightly sandy slightly gravelly clay. Gravel is of chert, brick, rubber and leather). (0.6m) - Head Deposits. (2.3m) - London Clay.
2L6002SA (0.1) Made Ground (Dark brown sandy gravelly clay. Gravel is of chert, chalk, brick, concrete, charcoal, tarmac, and corrugated cement sheeting. (0.5m, 3m, 5.2m) - London Clay.
2L6003SA (0.1m) - Topsoil (Dark brown slightly sandy gravelly clay). Gravel is of chert). (1m, 6m) - London Clay.
2L6005SA (0.3m, 0.5m, 0.65m) Made Ground (Dark brown slightly sandy very gravelly clay. Gravel is of glass, brick, concrete, burnt wood, plastic and cement sheeting. (1m) - Head Deposits. (3m, 6m) - London Clay.

2L6007DR (0.1m) - Alluvium.
2L6008DR (0.3m) - Alluvium. (3m, 6.5m) - London Clay. (16.3) - Harwich Formation.
2L6009DR (0.1m) - Made Ground (Brown slightly sandy slightly gravelly clay. Gravel is of brick.) (0.55m) - Alluvium. (2.9m) - London Clay.
2L6010DR (0.1) Topsoil (Gravelly sandy clay. Gravels of chert).
2L6010 (0.1m) - Topsoil (Gravelly sandy clay. Gravel is of chert). (1m) River Terrace Deposits. (11.25m) - London Clay Formation.
2L6011SR (0.1m) - Topsoil (dark brown gravelly sandy clay. Gravel is of chert). (0.5m) River Terrace Deposits. (3m, 6.1m) - London Clay.

Note - Soil samples missing from 2L6012SR - added to error log.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	2L6000TP	0.1	Non Hazardous		4
2	2L6000TP[2]	0.5	Non Hazardous		9
3	2L6000TP[3]	3.1	Non Hazardous		14
4	2L6001TP	0.3	Non Hazardous		19
5	2L6001TP[2]	1	Non Hazardous		24
6	2L6001TP[3]	3.5	Non Hazardous		29
7	2L6002SA	0.1	Non Hazardous		34
8	2L6002SA[2]	0.5	Non Hazardous		39
9	2L6002SA[3]	3.7	Non Hazardous		44
10	2L6002SA[4]	5.2	Non Hazardous		49
11	2L6003SA	0.1	Non Hazardous		54
12	2L6003SA[2]	1	Non Hazardous		59
13	2L6003SA[3]	6	Non Hazardous		64
14	2L6004TP	0.1	Non Hazardous		69
15	2L6004TP[2]	0.5	Non Hazardous		74
16	2L6004TP[3]	3	Non Hazardous		79
17	2L6004TP[4]	4	Non Hazardous		84
18	2L6005SA	0.05-0.30	Hazardous	HP 5, HP 7	89
19	2L6005SA[2]	0.05-1.00	Hazardous	HP 7	90
20	2L6005SA[3]	0.1	Non Hazardous		91
21	2L6005SA[4]	0.3	Non Hazardous		92
22	2L6005SA[5]	0.5	Non Hazardous		93
23	2L6005SA[6]	0.65	Non Hazardous		94
24	2L6005SA[7]	1	Non Hazardous		95
25	2L6005SA[8]	3	Non Hazardous		100
26	2L6005SA[9]	6	Non Hazardous		105
27	2L6006TP	0.1	Non Hazardous		110
28	2L6006TP[2]	0.5	Non Hazardous		115
29	2L6006TP[3]	2.3	Non Hazardous		120
30	2L6007DR	0.55	Non Hazardous		122
31	2L6008DR	3	Non Hazardous		124
32	2L6008DR[2]	6.5	Non Hazardous		126
33	2L6009DR	0.1	Non Hazardous		128
34	2L6009DR[2]	0.5	Non Hazardous		131
35	2L6009DR[3]	2.9	Non Hazardous		133
36	2L6010DR	0.1	Non Hazardous		135
37	2L6010DR[2]	1	Non Hazardous		137
38	2L6010DR[3]	11.25	Non Hazardous		139
39	2L6011SR	0.1	Non Hazardous		141
40	2L6011SR[2]	0.5	Non Hazardous		144
41	2L6011SR[3]	3	Non Hazardous		147
42	2L6011SR[4]	6	Non Hazardous		149

Related documents

#	Name	Description
1	GAC Tool Template v4	waste stream template used to create this Job

Report

Created by: Akansha Patel

Created date: 14 Feb 2024 15:17 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	151
Appendix B: Rationale for selection of metal species	154
Appendix C: Version	154

Classification of sample: 2L6000TP

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

Sample details

Sample name:
2L6000TP
Sample Depth:
0.1 m
Moisture content:
29.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 29.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.9 mg/kg	1.32	11.751 mg/kg	0.00118 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28.4 mg/kg	1.462	41.508 mg/kg	0.00415 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.4 mg/kg	1.126	22.968 mg/kg	0.0023 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	29.8 mg/kg	1.56	46.482 mg/kg	0.00298 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		17.7 mg/kg	2.976	52.68 mg/kg	0.00527 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		59 mg/kg	2.469	145.688 mg/kg	0.0146 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7 mg/kg	1.884	1.319 mg/kg	0.000132 %		
13	pH			PH		6.9 pH		6.9 pH	6.9 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									
14		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
16		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
17		benzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		naphthalene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			201-695-5	86-73-7									
25		phenanthrene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<**LOD**
			205-883-8	191-24-2									
37		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
38		polychlorobiphenyls; PCB				<0.049	mg/kg		<0.049	mg/kg	<0.0000049 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39		TPH (C6 to C40) petroleum group				154.39	mg/kg		154.39	mg/kg	0.0154 %		
				TPH									
40		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		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							
41		cumene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8							
42		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
45		2,2-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7							
46		bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5							
47		chloroform; trichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
48		1,1,1-trichloroethane; methyl chloroform				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
49		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
50		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
51		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
52		1,2-dichloropropane; propylene dichloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
53		dibromomethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
54		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
55		trans-1,3-dichloropropene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6							
56		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
57		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
58		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
59		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
60		chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
61		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
62		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
63		pentachlorobenzene				<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
64		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
65		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
66		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
67		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
68		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
69		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							

#		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									
70		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
71		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		602-009-00-0	200-830-5	75-00-3									
72		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		602-001-00-7	200-817-4	74-87-3									
73		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
74		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
75		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
76		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
77		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
78		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
79		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
80		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
81		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
82		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
83		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
84		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
85		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
86		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
87		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
88		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
89		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
90		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0474 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0154%)

Classification of sample: 2L6000TP[2]

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

Sample details

Sample name:
2L6000TP[2]
Sample Depth:
0.5 m
Moisture content:
22.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.1	mg/kg	1.32	17.296	mg/kg	0.00173 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		52.7	mg/kg	1.462	77.024	mg/kg	0.0077 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.1	mg/kg	1.126	20.379	mg/kg	0.00204 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.8	mg/kg	1.56	21.525	mg/kg	0.00138 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		22.5	mg/kg	2.976	66.966	mg/kg	0.0067 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		49.2	mg/kg	2.469	121.489	mg/kg	0.0121 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
13	pH			PH		7.8	pH		7.8	pH	7.8 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							
14		phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
16		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
17		benzene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.019 mg/kg		<0.019 mg/kg	<0.0000019 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
21		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
23		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
24		fluorene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7							
25		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
26		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
27		fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0							
28		pyrene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33		benzo[a]pyrene; benzo[def]chrysene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
34		indeno[123-cd]pyrene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
			205-893-2	193-39-5							
35		dibenz[a,h]anthracene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
36		benzo[ghi]perylene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
			205-883-8	191-24-2							
37		coronene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1							
38		polychlorobiphenyls; PCB				<0.045 mg/kg		<0.045 mg/kg	<0.0000045 %		<LOD
		602-039-00-4	215-648-1	1336-36-3							
39		TPH (C6 to C40) petroleum group				135.675 mg/kg		135.675 mg/kg	0.0136 %		
				TPH							
40		1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		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									
41		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
42		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
43		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
45		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
46		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
47		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
48		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
49		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
50		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
54		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
55		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
56		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
57		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
58		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
59		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
60		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
61		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
62		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
63		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
64		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
65		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
66		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
67		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
68		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
69		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									

#		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									
70		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
71		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
72		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
73		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
74		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
75	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
76		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
77	●	di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
78		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
79		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
80		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
81		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
82		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
83		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
84		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
85		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
86	●	1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
87		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
88		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
89	●	hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
90	●	dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0466 %		

Key

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

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0136%)

Classification of sample: 2L6000TP[3]

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

Sample details

Sample name:
2L6000TP[3]
Sample Depth:
3.1 m
Moisture content:
20.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.3 mg/kg	1.32	13.599 mg/kg	0.00136 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41.8 mg/kg	1.462	61.093 mg/kg	0.00611 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22.5 mg/kg	1.126	25.332 mg/kg	0.00253 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.9 mg/kg	1.56	21.681 mg/kg	0.00139 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		39.3 mg/kg	2.976	116.967 mg/kg	0.0117 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		68.9 mg/kg	2.469	170.135 mg/kg	0.017 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	pH			PH		8.2 pH		8.2 pH	8.2 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									
14		phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
16		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
17		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
20		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
24		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
27		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			205-912-4	206-44-0									
28		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-883-8	191-24-2									
37		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
38		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
39		TPH (C6 to C40) petroleum group				86.503	mg/kg		86.503	mg/kg	0.00865 %		
				TPH									
40		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		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							
41		cumene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8							
42		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
45		2,2-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7							
46		bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5							
47		chloroform; trichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
48		1,1,1-trichloroethane; methyl chloroform				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
49		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
50		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
51		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
52		1,2-dichloropropane; propylene dichloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
53		dibromomethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
54		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
55		trans-1,3-dichloropropene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6							
56		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
57		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
58		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
59		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
60		chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
61		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
62		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
63		pentachlorobenzene				<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
64		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
65		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
66		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
67		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
68		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
69		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							

#		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									
70		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
71		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		602-009-00-0	200-830-5	75-00-3									
72		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		602-001-00-7	200-817-4	74-87-3									
73		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
74		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
75		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
76		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
77		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
78		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
79		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
80		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
81		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
82		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
83		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
84		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
85		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
86		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
87		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
88		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
89		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
90		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0501 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00865%)

Classification of sample: 2L6001TP

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

Sample details

Sample name:
2L6001TP
Sample Depth:
0.3 m
Moisture content:
18.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.7 mg/kg	1.32	12.807 mg/kg	0.00128 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.5 mg/kg	1.462	47.501 mg/kg	0.00475 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.7 mg/kg	1.126	18.802 mg/kg	0.00188 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	30 mg/kg	1.56	46.794 mg/kg	0.003 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		17.5 mg/kg	2.976	52.085 mg/kg	0.00521 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		51.7 mg/kg	2.469	127.663 mg/kg	0.0128 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	pH			PH		6.3 pH		6.3 pH	6.3 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			205-912-4	206-44-0									
26		pyrene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.043	mg/kg		<0.043	mg/kg	<0.0000043 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				80.795	mg/kg		80.795	mg/kg	0.00808 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0382 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00808%)

Classification of sample: 2L6001TP[2]

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

Sample details

Sample name:
2L6001TP[2]
Sample Depth:
1 m
Moisture content:
20.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.7 mg/kg	1.32	11.487 mg/kg	0.00115 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42.6 mg/kg	1.462	62.262 mg/kg	0.00623 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26.7 mg/kg	1.126	30.061 mg/kg	0.00301 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	18.1 mg/kg	1.56	28.233 mg/kg	0.00181 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		62.3 mg/kg	2.976	185.421 mg/kg	0.0185 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		84.3 mg/kg	2.469	208.162 mg/kg	0.0208 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	pH			PH		6.3 pH		6.3 pH	6.3 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				72.27	mg/kg		72.27	mg/kg	0.00723 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)									
			203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
43		2,2-dichloropropane									
			209-832-0	594-20-7		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
44		bromochloromethane									
			200-826-3	74-97-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
45		chloroform; trichloromethane									
		602-006-00-4	200-663-8	67-66-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
46		1,1,1-trichloroethane; methyl chloroform									
		602-013-00-2	200-756-3	71-55-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
47		carbon tetrachloride; tetrachloromethane									
		602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48		1,1-dichloropropene									
		602-031-00-0	209-253-3	563-58-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
49		1,2-dichloroethane; ethylene dichloride									
		602-012-00-7	203-458-1	107-06-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50		1,2-dichloropropane; propylene dichloride									
		602-020-00-0	201-152-2	78-87-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
51		dibromomethane									
		602-003-00-8	200-824-2	74-95-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
52		bromodichloromethane									
			200-856-7	75-27-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53		trans-1,3-dichloropropene									
			431-460-4	10061-02-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
54		1,1,2-trichloroethane									
		602-014-00-8	201-166-9	79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55		1,3-dichloropropane									
			205-531-3	142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56		dibromochloromethane									
			204-704-0	124-48-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57		1,2-dibromoethane									
		602-010-00-6	203-444-5	106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
58		chlorobenzene									
		602-033-00-1	203-628-5	108-90-7		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
59		1,1,2,2-tetrachloroethane									
		602-015-00-3	201-197-8	79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
60		1,1,1,2-tetrachloroethane									
			211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
61		pentachlorobenzene									
		602-074-00-5	210-172-0	608-93-5		<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
62		hexachlorobutadiene									
			201-765-5	87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]									
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
64		2,6-dinitrotoluene									
		609-049-00-8	210-106-0	606-20-2		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
65		2-chloronaphthalene									
			202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		biphenyl; diphenyl									
		601-042-00-8	202-163-5	92-52-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
67		bromobenzene									
		602-060-00-9	203-623-8	108-86-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68		bromoform; tribromomethane									
		602-007-00-X	200-854-6	75-25-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69		chloroethane									
		602-009-00-0	200-830-5	75-00-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
70		chloromethane; methyl chloride									
		602-001-00-7	200-817-4	74-87-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0601 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00723%)

Classification of sample: 2L6001TP[3]

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

Sample details

Sample name:
2L6001TP[3]
Sample Depth:
3.5 m
Moisture content:
20.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.1	mg/kg	1.32	14.656	mg/kg	0.00147 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		**<LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41.9	mg/kg	1.462	61.239	mg/kg	0.00612 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		**<LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27.2	mg/kg	1.126	30.624	mg/kg	0.00306 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.6	mg/kg	1.56	25.893	mg/kg	0.00166 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		39.6	mg/kg	2.976	117.86	mg/kg	0.0118 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		78.9	mg/kg	2.469	194.827	mg/kg	0.0195 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
13	pH			PH		8	pH		8	pH	8pH		

#		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		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.019	mg/kg		<0.019	mg/kg	<0.0000019 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				85.023	mg/kg		85.023	mg/kg	0.0085 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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							
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
73		diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2							
74		dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
75		di-n-octyl phthalate				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0							
76		aldrin (ISO)				<0.0025 mg/kg		<0.0025 mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2							
77		dieldrin (ISO)				<0.0062 mg/kg		<0.0062 mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1							
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025 mg/kg		<0.0025 mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9							
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025 mg/kg		<0.0025 mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7							
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007 mg/kg		<0.007 mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7							
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9							
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
84		1,2,3-trichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6							
85		1,2,4-trichlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
86		hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
87		hexachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1							
88		dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8							
								Total:	0.0534 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0085%)

Classification of sample: 2L6002SA

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

Sample details

Sample name:
2L6002SA
Sample Depth:
0.1 m
Moisture content:
23.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 23.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.1	mg/kg	1.32	12.015	mg/kg	0.0012 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17.3	mg/kg	1.462	25.285	mg/kg	0.00253 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22.9	mg/kg	1.126	25.783	mg/kg	0.00258 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	111.4	mg/kg	1.56	173.763	mg/kg	0.0111 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		15.9	mg/kg	2.976	47.323	mg/kg	0.00473 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		107.2	mg/kg	2.469	264.709	mg/kg	0.0265 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.9	mg/kg	3.22	6.118	mg/kg	0.000612 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7	mg/kg	1.884	1.319	mg/kg	0.000132 %		
13	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0		<100	mg/kg		<100	mg/kg	<0.01 %		<**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									
				12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
14		pH		PH		8.1	pH		8.1	pH	8.1 pH		
15		pentachlorophenol											
		604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
16		benzene											
		601-020-00-8	200-753-7	71-43-2		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
17		toluene											
		601-021-00-3	203-625-9	108-88-3		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
18		ethylbenzene											
		601-023-00-4	202-849-4	100-41-4		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
19		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]		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
20		naphthalene											
		601-052-00-2	202-049-5	91-20-3		0.5	mg/kg		0.5	mg/kg	0.00005 %		
21		acenaphthylene											
			205-917-1	208-96-8		0.67	mg/kg		0.67	mg/kg	0.000067 %		
22		acenaphthene											
			201-469-6	83-32-9		3.25	mg/kg		3.25	mg/kg	0.000325 %		
23		fluorene											
			201-695-5	86-73-7		2.18	mg/kg		2.18	mg/kg	0.000218 %		
24		phenanthrene											
			201-581-5	85-01-8		26.9	mg/kg		26.9	mg/kg	0.00269 %		
25		anthracene											
			204-371-1	120-12-7		7.55	mg/kg		7.55	mg/kg	0.000755 %		
26		fluoranthene											
			205-912-4	206-44-0		45.6	mg/kg		45.6	mg/kg	0.00456 %		
27		pyrene											
			204-927-3	129-00-0		35.6	mg/kg		35.6	mg/kg	0.00356 %		
28		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		20.2	mg/kg		20.2	mg/kg	0.00202 %		
29		chrysene											
		601-048-00-0	205-923-4	218-01-9		18.3	mg/kg		18.3	mg/kg	0.00183 %		
30		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		24.6	mg/kg		24.6	mg/kg	0.00246 %		
31		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		9.81	mg/kg		9.81	mg/kg	0.000981 %		
32		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		23.5	mg/kg		23.5	mg/kg	0.00235 %		
33		indeno[123-cd]pyrene											
			205-893-2	193-39-5		13	mg/kg		13	mg/kg	0.0013 %		
34		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		3.38	mg/kg		3.38	mg/kg	0.000338 %		
35		benzo[ghi]perylene											
			205-883-8	191-24-2		13.6	mg/kg		13.6	mg/kg	0.00136 %		
36		coronene											
			205-881-7	191-07-1		3.9	mg/kg		3.9	mg/kg	0.00039 %		
37		polychlorobiphenyls; PCB											
		602-039-00-4	215-648-1	1336-36-3		<0.046	mg/kg		<0.046	mg/kg	<0.0000046 %		<LOD
38		TPH (C6 to C40) petroleum group											
				TPH		993.644	mg/kg		993.644	mg/kg	0.0994 %		
39		1,2,4-trimethylbenzene											
		601-043-00-3	202-436-9	95-63-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
40		cumene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8							
41		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
42		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
43		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
44		2,2-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7							
45		bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5							
46		chloroform; trichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
47		1,1,1-trichloroethane; methyl chloroform				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
48		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
49		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
50		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
51		1,2-dichloropropane; propylene dichloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
52		dibromomethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
53		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
54		trans-1,3-dichloropropene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6							
55		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
56		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
57		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
58		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
59		chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
60		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
61		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
62		pentachlorobenzene				<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
63		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
64		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
65		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
66		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
67		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
68		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							

#		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									
69		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
70		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		602-009-00-0	200-830-5	75-00-3									
71		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		602-001-00-7	200-817-4	74-87-3									
72		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
73		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
74		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
75		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
76		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
77		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
78		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
79		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
80		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
81		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
82		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
83		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
84		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
85		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
86		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
87		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
88		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
89		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.185 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0994%)

Classification of sample: 2L6002SA[2]

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

Sample details

Sample name:
2L6002SA[2]
Sample Depth:
0.5 m
Moisture content:
21.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.4 mg/kg	1.32	15.052 mg/kg	0.00151 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.3 mg/kg	1.462	53.054 mg/kg	0.00531 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.6 mg/kg	1.126	23.193 mg/kg	0.00232 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	14 mg/kg	1.56	21.837 mg/kg	0.0014 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		38.3 mg/kg	2.976	113.991 mg/kg	0.0114 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		60 mg/kg	2.469	148.158 mg/kg	0.0148 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.4 mg/kg	3.22	4.508 mg/kg	0.000451 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0		<100 mg/kg		<100 mg/kg	<0.01 %		<**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									
				12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
14		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
15		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
16		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
19		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
20		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-883-8	191-24-2									
36		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
37		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
38		TPH (C6 to C40) petroleum group				57.169	mg/kg		57.169	mg/kg	0.00572 %		
				TPH									
39		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		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		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
41		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
42		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
44		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
45		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
46		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
47		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
48		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
49		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
50		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
51		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
52		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
53		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
54		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
55		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
56		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
57		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
58		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
59		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
60		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
61		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
62		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
63		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
64		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
65		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
66		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
67		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
68		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									

#		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									
69		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
70		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		602-009-00-0	200-830-5	75-00-3									
71		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		602-001-00-7	200-817-4	74-87-3									
72		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
73		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
74	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
75		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
76	●	di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
77		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
78		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
79		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
80		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
81		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
82		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
83		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
84		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
85	●	1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
86		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
87		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
88	●	hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
89	●	dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.054 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00572%)

Classification of sample: 2L6002SA[3]

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

Sample details

Sample name:
2L6002SA[3]
Sample Depth:
3.7 m
Moisture content:
21.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.8 mg/kg	1.32	12.939 mg/kg	0.00129 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.4 mg/kg	1.462	47.354 mg/kg	0.00474 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21.2 mg/kg	1.126	23.869 mg/kg	0.00239 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.9 mg/kg	1.56	21.681 mg/kg	0.00139 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		37.2 mg/kg	2.976	110.717 mg/kg	0.0111 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		65 mg/kg	2.469	160.504 mg/kg	0.0161 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.5 mg/kg	3.22	4.83 mg/kg	0.000483 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	pH			PH		8.6 pH		8.6 pH	8.6 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.045	mg/kg		<0.045	mg/kg	<0.0000045 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				79.133	mg/kg		79.133	mg/kg	0.00791 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)	203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
43		2,2-dichloropropane	209-832-0	594-20-7		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
44		bromochloromethane	200-826-3	74-97-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
45		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
46		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
47		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
49		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
51		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
52		bromodichloromethane	200-856-7	75-27-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53		trans-1,3-dichloropropene	431-460-4	10061-02-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
54		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55		1,3-dichloropropane	205-531-3	142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56		dibromochloromethane	204-704-0	124-48-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
58		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
59		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
60		1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
61		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
62		hexachlorobutadiene	201-765-5	87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
64		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
65		2-chloronaphthalene	202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		biphenyl; diphenyl	601-042-00-8	202-163-5	92-52-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
67		bromobenzene	602-060-00-9	203-623-8	108-86-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69		chloroethane	602-009-00-0	200-830-5	75-00-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
70		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0465 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00791%)

Classification of sample: 2L6002SA[4]

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

Sample details

Sample name:
2L6002SA[4]
Sample Depth:
5.2 m
Moisture content:
23%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.6	mg/kg	1.32	15.316	mg/kg	0.00153 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.4	mg/kg	1.462	53.201	mg/kg	0.00532 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.5	mg/kg	1.126	23.081	mg/kg	0.00231 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.2	mg/kg	1.56	20.59	mg/kg	0.00132 %		
8		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**
9		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		34.4	mg/kg	2.976	102.384	mg/kg	0.0102 %		
10		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		66.1	mg/kg	2.469	163.22	mg/kg	0.0163 %		
11		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.9	mg/kg	3.22	6.118	mg/kg	0.000612 %		
12		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
13		pH			PH		8.5	pH		8.5	pH	8.5 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							
14		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
15		benzene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
16		toluene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
17		ethylbenzene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
20		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
21		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
22		fluorene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7							
23		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
24		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
25		fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0							
26		pyrene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0							
27		benzo[a]anthracene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
28		chrysene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
29		benzo[b]fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
30		benzo[k]fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
32		indeno[123-cd]pyrene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
			205-893-2	193-39-5							
33		dibenz[a,h]anthracene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
34		benzo[ghi]perylene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
			205-883-8	191-24-2							
35		coronene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1							
36		polychlorobiphenyls; PCB				<0.046 mg/kg		<0.046 mg/kg	<0.0000046 %		<LOD
		602-039-00-4	215-648-1	1336-36-3							
37		TPH (C6 to C40) petroleum group				76.888 mg/kg		76.888 mg/kg	0.00769 %		
				TPH							
38		1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
39		cumene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8							
40		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
41		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0465 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00769%)

Classification of sample: 2L6003SA

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

Sample details

Sample name:
2L6003SA
Sample Depth:
0.1 m
Moisture content:
27.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 27.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.3 mg/kg	1.32	13.599 mg/kg	0.00136 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.8 mg/kg	1.462	47.939 mg/kg	0.00479 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.2 mg/kg	1.126	20.491 mg/kg	0.00205 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	26 mg/kg	1.56	40.555 mg/kg	0.0026 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		18.6 mg/kg	2.976	55.359 mg/kg	0.00554 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		54.5 mg/kg	2.469	134.577 mg/kg	0.0135 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.3 mg/kg	3.22	4.186 mg/kg	0.000419 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7 mg/kg	1.884	1.319 mg/kg	0.000132 %		
13	pH			PH		7.1 pH		7.1 pH	7.1 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.048	mg/kg		<0.048	mg/kg	<0.0000048 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				81.449	mg/kg		81.449	mg/kg	0.00814 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
43		2,2-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7							
44		bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5							
45		chloroform; trichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
46		1,1,1-trichloroethane; methyl chloroform				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
47		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
48		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
49		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
50		1,2-dichloropropane; propylene dichloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
51		dibromomethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
52		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
53		trans-1,3-dichloropropene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6							
54		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
55		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
56		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
57		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
58		chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
59		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
60		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
61		pentachlorobenzene				<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
62		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
64		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
65		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
66		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
67		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
68		bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
69		chloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
70		chloromethane; methyl chloride				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3							

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75	●	di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84	●	1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87	●	hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88	●	dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0396 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00814%)

Classification of sample: 2L6003SA[2]

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

Sample details

Sample name:
2L6003SA[2]
Sample Depth:
1 m
Moisture content:
21.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.7	mg/kg	1.32	15.448	mg/kg	0.00154 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		45.7	mg/kg	1.462	66.793	mg/kg	0.00668 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		**<LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23.2	mg/kg	1.126	26.121	mg/kg	0.00261 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	14.6	mg/kg	1.56	22.773	mg/kg	0.00146 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		59.3	mg/kg	2.976	176.493	mg/kg	0.0176 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		70.2	mg/kg	2.469	173.345	mg/kg	0.0173 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
13	pH			PH		7.4	pH		7.4	pH	7.4 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.045	mg/kg		<0.045	mg/kg	<0.0000045 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				63.536	mg/kg		63.536	mg/kg	0.00635 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.055 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00635%)

Classification of sample: 2L6003SA[3]

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

Sample details

Sample name:
2L6003SA[3]
Sample Depth:
6 m
Moisture content:
25.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 25.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11	mg/kg	1.32	14.524	mg/kg	0.00145 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		43.8	mg/kg	1.462	64.016	mg/kg	0.0064 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22.3	mg/kg	1.126	25.107	mg/kg	0.00251 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.9	mg/kg	1.56	21.681	mg/kg	0.00139 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		36.9	mg/kg	2.976	109.824	mg/kg	0.011 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		70.7	mg/kg	2.469	174.579	mg/kg	0.0175 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.2	mg/kg	3.22	3.864	mg/kg	0.000386 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7	mg/kg	1.884	1.319	mg/kg	0.000132 %		
13	pH			PH		7.9	pH		7.9	pH	7.9 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.019	mg/kg		<0.019	mg/kg	<0.0000019 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.047	mg/kg		<0.047	mg/kg	<0.0000047 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				68.714	mg/kg		68.714	mg/kg	0.00687 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)									
			203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
43		2,2-dichloropropane									
			209-832-0	594-20-7		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
44		bromochloromethane									
			200-826-3	74-97-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
45		chloroform; trichloromethane									
		602-006-00-4	200-663-8	67-66-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
46		1,1,1-trichloroethane; methyl chloroform									
		602-013-00-2	200-756-3	71-55-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
47		carbon tetrachloride; tetrachloromethane									
		602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48		1,1-dichloropropene									
		602-031-00-0	209-253-3	563-58-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
49		1,2-dichloroethane; ethylene dichloride									
		602-012-00-7	203-458-1	107-06-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50		1,2-dichloropropane; propylene dichloride									
		602-020-00-0	201-152-2	78-87-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
51		dibromomethane									
		602-003-00-8	200-824-2	74-95-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
52		bromodichloromethane									
			200-856-7	75-27-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53		trans-1,3-dichloropropene									
			431-460-4	10061-02-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
54		1,1,2-trichloroethane									
		602-014-00-8	201-166-9	79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55		1,3-dichloropropane									
			205-531-3	142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56		dibromochloromethane									
			204-704-0	124-48-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57		1,2-dibromoethane									
		602-010-00-6	203-444-5	106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
58		chlorobenzene									
		602-033-00-1	203-628-5	108-90-7		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
59		1,1,2,2-tetrachloroethane									
		602-015-00-3	201-197-8	79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
60		1,1,1,2-tetrachloroethane									
			211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
61		pentachlorobenzene									
		602-074-00-5	210-172-0	608-93-5		<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
62		hexachlorobutadiene									
			201-765-5	87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]									
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
64		2,6-dinitrotoluene									
		609-049-00-8	210-106-0	606-20-2		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
65		2-chloronaphthalene									
			202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		biphenyl; diphenyl									
		601-042-00-8	202-163-5	92-52-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
67		bromobenzene									
		602-060-00-9	203-623-8	108-86-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68		bromoform; tribromomethane									
		602-007-00-X	200-854-6	75-25-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69		chloroethane									
		602-009-00-0	200-830-5	75-00-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
70		chloromethane; methyl chloride									
		602-001-00-7	200-817-4	74-87-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
73	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
75	●	di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
84	●	1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
87	●	hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
88	●	dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0486 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00687%)

Classification of sample: 2L6004TP

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

Sample details

Sample name:
2L6004TP
Sample Depth:
0.1 m
Moisture content:
26.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 26.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.3	mg/kg	1.32	14.92	mg/kg	0.00149 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21.9	mg/kg	1.462	32.008	mg/kg	0.0032 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19.1	mg/kg	1.126	21.504	mg/kg	0.00215 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	43.3	mg/kg	1.56	67.54	mg/kg	0.00433 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		18.9	mg/kg	2.976	56.251	mg/kg	0.00563 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		62.4	mg/kg	2.469	154.084	mg/kg	0.0154 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.2	mg/kg	3.22	3.864	mg/kg	0.000386 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7	mg/kg	1.884	1.319	mg/kg	0.000132 %		
13	pH			PH		7.8	pH		7.8	pH	7.8 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							
14		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
15		benzene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
16		toluene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
17		ethylbenzene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
19		naphthalene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
20		acenaphthylene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
			205-917-1	208-96-8							
21		acenaphthene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
			201-469-6	83-32-9							
22		fluorene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7							
23		phenanthrene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
			201-581-5	85-01-8							
24		anthracene				<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
			204-371-1	120-12-7							
25		fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0							
26		pyrene				0.14 mg/kg		0.14 mg/kg	0.000014 %		
			204-927-3	129-00-0							
27		benzo[a]anthracene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
28		chrysene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		601-048-00-0	205-923-4	218-01-9							
29		benzo[b]fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
30		benzo[k]fluoranthene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
31		benzo[a]pyrene; benzo[def]chrysene				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
32		indeno[123-cd]pyrene				<0.7 mg/kg		<0.7 mg/kg	<0.00007 %		<LOD
			205-893-2	193-39-5							
33		dibenz[a,h]anthracene				<0.7 mg/kg		<0.7 mg/kg	<0.00007 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
34		benzo[ghi]perylene				<0.7 mg/kg		<0.7 mg/kg	<0.00007 %		<LOD
			205-883-8	191-24-2							
35		coronene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1							
36		polychlorobiphenyls; PCB				<0.048 mg/kg		<0.048 mg/kg	<0.0000048 %		<LOD
		602-039-00-4	215-648-1	1336-36-3							
37		TPH (C6 to C40) petroleum group				62.062 mg/kg		62.062 mg/kg	0.00621 %		
				TPH							
38		1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
39		cumene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8							
40		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
41		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0399 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00621%)

Classification of sample: 2L6004TP[2]

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

Sample details

Sample name:
2L6004TP[2]
Sample Depth:
0.5 m
Moisture content:
20.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.4% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.8	mg/kg	1.32	16.9	mg/kg	0.00169 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.4	mg/kg	1.462	53.201	mg/kg	0.00532 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21.5	mg/kg	1.126	24.207	mg/kg	0.00242 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.7	mg/kg	1.56	26.049	mg/kg	0.00167 %		
8		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**
9		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		29.7	mg/kg	2.976	88.395	mg/kg	0.00884 %		
10		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		66.4	mg/kg	2.469	163.961	mg/kg	0.0164 %		
11		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
12		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
13		pH			PH		8	pH		8	pH	8pH		

#		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		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				56.21	mg/kg		56.21	mg/kg	0.00562 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
43		2,2-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7							
44		bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5							
45		chloroform; trichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
46		1,1,1-trichloroethane; methyl chloroform				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
47		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
48		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
49		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
50		1,2-dichloropropane; propylene dichloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
51		dibromomethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
52		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
53		trans-1,3-dichloropropene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6							
54		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
55		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
56		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
57		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
58		chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
59		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
60		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
61		pentachlorobenzene				<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
62		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
64		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
65		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
66		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
67		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
68		bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
69		chloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
70		chloromethane; methyl chloride				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3							

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0433 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00562%)

Classification of sample: 2L6004TP[3]

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

Sample details

Sample name:
2L6004TP[3]
Sample Depth:
3 m
Moisture content:
22.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.3 mg/kg	1.32	20.201 mg/kg	0.00202 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40.8 mg/kg	1.462	59.631 mg/kg	0.00596 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.2 mg/kg	1.126	28.372 mg/kg	0.00284 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.8 mg/kg	1.56	26.205 mg/kg	0.00168 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		43.8 mg/kg	2.976	130.36 mg/kg	0.013 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		78.9 mg/kg	2.469	194.827 mg/kg	0.0195 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.9 mg/kg	3.22	2.898 mg/kg	0.00029 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	pH			PH		8.6 pH		8.6 pH	8.6 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.045	mg/kg		<0.045	mg/kg	<0.0000045 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				57.995	mg/kg		57.995	mg/kg	0.0058 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0522 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0058%)

Classification of sample: 2L6004TP[4]

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

Sample details

Sample name:
2L6004TP[4]
Sample Depth:
4 m
Moisture content:
22.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.1	mg/kg	1.32	14.656	mg/kg	0.00147 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42.3	mg/kg	1.462	61.824	mg/kg	0.00618 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.3	mg/kg	1.126	28.485	mg/kg	0.00285 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.3	mg/kg	1.56	23.865	mg/kg	0.00153 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		38.8	mg/kg	2.976	115.479	mg/kg	0.0115 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		74.9	mg/kg	2.469	184.95	mg/kg	0.0185 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.1	mg/kg	3.22	3.542	mg/kg	0.000354 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
13	pH			PH		8.7	pH		8.7	pH	8.7 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.045	mg/kg		<0.045	mg/kg	<0.0000045 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				57.612	mg/kg		57.612	mg/kg	0.00576 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)									
			203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
43		2,2-dichloropropane									
			209-832-0	594-20-7		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
44		bromochloromethane									
			200-826-3	74-97-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
45		chloroform; trichloromethane									
		602-006-00-4	200-663-8	67-66-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
46		1,1,1-trichloroethane; methyl chloroform									
		602-013-00-2	200-756-3	71-55-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
47		carbon tetrachloride; tetrachloromethane									
		602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48		1,1-dichloropropene									
		602-031-00-0	209-253-3	563-58-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
49		1,2-dichloroethane; ethylene dichloride									
		602-012-00-7	203-458-1	107-06-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50		1,2-dichloropropane; propylene dichloride									
		602-020-00-0	201-152-2	78-87-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
51		dibromomethane									
		602-003-00-8	200-824-2	74-95-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
52		bromodichloromethane									
			200-856-7	75-27-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53		trans-1,3-dichloropropene									
			431-460-4	10061-02-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
54		1,1,2-trichloroethane									
		602-014-00-8	201-166-9	79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55		1,3-dichloropropane									
			205-531-3	142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56		dibromochloromethane									
			204-704-0	124-48-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57		1,2-dibromoethane									
		602-010-00-6	203-444-5	106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
58		chlorobenzene									
		602-033-00-1	203-628-5	108-90-7		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
59		1,1,2,2-tetrachloroethane									
		602-015-00-3	201-197-8	79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
60		1,1,1,2-tetrachloroethane									
			211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
61		pentachlorobenzene									
		602-074-00-5	210-172-0	608-93-5		<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
62		hexachlorobutadiene									
			201-765-5	87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]									
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
64		2,6-dinitrotoluene									
		609-049-00-8	210-106-0	606-20-2		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
65		2-chloronaphthalene									
			202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		biphenyl; diphenyl									
		601-042-00-8	202-163-5	92-52-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
67		bromobenzene									
		602-060-00-9	203-623-8	108-86-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68		bromoform; tribromomethane									
		602-007-00-X	200-854-6	75-25-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69		chloroethane									
		602-009-00-0	200-830-5	75-00-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
70		chloromethane; methyl chloride									
		602-001-00-7	200-817-4	74-87-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
73	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
75	●	di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
84	●	1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
87	●	hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
88	●	dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0493 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00576%)

Classification of sample: 2L6005SA

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

Sample details

Sample name:	LoW Code:	
2L6005SA	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.05-0.30 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 5: Specific Target Organ Toxicity (STOT)/Aspiration Toxicity "waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration"

Hazard Statements hit:

STOT RE 1; H372 "Causes damage to organs [or state all organs affected, if known] through prolonged or repeated exposure [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

asbestos: (conc.: 1.208%)

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

Hazard Statements hit:

Carc. 1A; 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:

asbestos: (conc.: 1.208%)

Determinands

Moisture content: 0% 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		asbestos									
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		12083 mg/kg		12083 mg/kg	1.208 %		
								Total:	1.208 %		

Key

	User supplied data
	Hazardous result

Classification of sample: 2L6005SA[2]

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

Sample details

Sample name:	LoW Code:	
2L6005SA[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.05-1.00 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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

Hazard Statements hit:

Carc. 1A; 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:

asbestos: (conc.: 0.501%)

Determinands

Moisture content: 0% 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		asbestos 650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		5010 mg/kg		5010 mg/kg	0.501 %		
								Total:	0.501 %		

Key

User supplied data
Hazardous result

Classification of sample: 2L6005SA[3]

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

Sample details

Sample name:	LoW Code:	
2L6005SA[3]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.1 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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		asbestos									
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<100 mg/kg		<100 mg/kg	<0.01 %		<**LOD**
								Total:	0.01 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Classification of sample: 2L6005SA[4]

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

Sample details

Sample name:	LoW Code:	
2L6005SA[4]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.3 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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		asbestos 650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<100 mg/kg		<100 mg/kg	<0.01 %		<**LOD**
								Total:	0.01 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Classification of sample: 2L6005SA[5]

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

Sample details

Sample name:	LoW Code:	
2L6005SA[5]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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		asbestos									
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<100 mg/kg		<100 mg/kg	<0.01 %		<**LOD**
								Total:	0.01 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Classification of sample: 2L6005SA[6]

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

Sample details

Sample name:	LoW Code:	
2L6005SA[6]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.65 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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		asbestos 650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<100 mg/kg		<100 mg/kg	<0.01 %		**<LOD**
								Total:	0.01 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Classification of sample: 2L6005SA[7]

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

Sample details

Sample name:
2L6005SA[7]
Sample Depth:
1 m
Moisture content:
24.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 24.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.7 mg/kg	1.32	15.448 mg/kg	0.00154 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19.1 mg/kg	1.462	27.916 mg/kg	0.00279 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		**<LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		36.1 mg/kg	1.126	40.645 mg/kg	0.00406 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	64.9 mg/kg	1.56	101.232 mg/kg	0.00649 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		11.3 mg/kg	2.976	33.632 mg/kg	0.00336 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		116.9 mg/kg	2.469	288.661 mg/kg	0.0289 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.9 mg/kg	3.22	2.898 mg/kg	0.00029 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7 mg/kg	1.884	1.319 mg/kg	0.000132 %		
13	pH			PH		8.5 pH		8.5 pH	8.5 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.047	mg/kg		<0.047	mg/kg	<0.0000047 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				91.637	mg/kg		91.637	mg/kg	0.00916 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0578 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00916%)

Classification of sample: 2L6005SA[8]

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

Sample details

Sample name:
2L6005SA[8]
Sample Depth:
3 m
Moisture content:
23.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 23.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7	mg/kg	1.32	9.242	mg/kg	0.000924 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		44.2	mg/kg	1.462	64.601	mg/kg	0.00646 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		31.3	mg/kg	1.126	35.24	mg/kg	0.00352 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	420.3	mg/kg	1.56	655.59	mg/kg	0.042 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		45.3	mg/kg	2.976	134.825	mg/kg	0.0135 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		108.1	mg/kg	2.469	266.931	mg/kg	0.0267 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.4	mg/kg	3.22	4.508	mg/kg	0.000451 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7	mg/kg	1.884	1.319	mg/kg	0.000132 %		
13	pH			PH		8.4	pH		8.4	pH	8.4 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<**LOD**
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.046	mg/kg		<0.046	mg/kg	<0.0000046 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				73.381	mg/kg		73.381	mg/kg	0.00734 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
43		2,2-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7							
44		bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5							
45		chloroform; trichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
46		1,1,1-trichloroethane; methyl chloroform				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
47		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
48		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
49		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
50		1,2-dichloropropane; propylene dichloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
51		dibromomethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
52		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
53		trans-1,3-dichloropropene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6							
54		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
55		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
56		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
57		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
58		chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
59		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
60		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
61		pentachlorobenzene				<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
62		hexachlorobutadiene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3							
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
64		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							
65		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
66		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
67		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
68		bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
69		chloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
70		chloromethane; methyl chloride				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3							

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.102 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00734%)

Classification of sample: 2L6005SA[9]

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

Sample details

Sample name:
2L6005SA[9]
Sample Depth:
6 m
Moisture content:
20.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7 mg/kg	1.32	9.242 mg/kg	0.000924 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40.1 mg/kg	1.462	58.608 mg/kg	0.00586 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28.6 mg/kg	1.126	32.2 mg/kg	0.00322 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	25.3 mg/kg	1.56	39.463 mg/kg	0.00253 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		45.4 mg/kg	2.976	135.122 mg/kg	0.0135 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		69.6 mg/kg	2.469	171.863 mg/kg	0.0172 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.9 mg/kg	3.22	6.118 mg/kg	0.000612 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	pH			PH		8.1 pH		8.1 pH	8.1 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			205-912-4	206-44-0									
26		pyrene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				94.857	mg/kg		94.857	mg/kg	0.00949 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
			200-893-9	75-71-8									
										Total:	0.0545 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00949%)

Classification of sample: 2L6006TP

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

Sample details

Sample name:
2L6006TP
Sample Depth:
0.1 m
Moisture content:
30.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 30.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.3	mg/kg	1.32	13.599	mg/kg	0.00136 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28.3	mg/kg	1.462	41.362	mg/kg	0.00414 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		30.5	mg/kg	1.126	34.34	mg/kg	0.00343 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	68.8	mg/kg	1.56	107.315	mg/kg	0.00688 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		22.5	mg/kg	2.976	66.966	mg/kg	0.0067 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		102.4	mg/kg	2.469	252.856	mg/kg	0.0253 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.2	mg/kg	3.22	3.864	mg/kg	0.000386 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.7	mg/kg	1.884	1.319	mg/kg	0.000132 %		
13	pH			PH		8.5	pH		8.5	pH	8.5 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.019	mg/kg		<0.019	mg/kg	<0.0000019 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			205-912-4	206-44-0									
26		pyrene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.4	mg/kg		0.4	mg/kg	0.00004 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				118.897	mg/kg		118.897	mg/kg	0.0119 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		1,1-dichloroethane and 1,2-dichloroethane (combined)									
			203-458-1, 200-863-5	107-06-2, 75-34-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
43		2,2-dichloropropane									
			209-832-0	594-20-7		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
44		bromochloromethane									
			200-826-3	74-97-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
45		chloroform; trichloromethane									
		602-006-00-4	200-663-8	67-66-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
46		1,1,1-trichloroethane; methyl chloroform									
		602-013-00-2	200-756-3	71-55-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
47		carbon tetrachloride; tetrachloromethane									
		602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48		1,1-dichloropropene									
		602-031-00-0	209-253-3	563-58-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
49		1,2-dichloroethane; ethylene dichloride									
		602-012-00-7	203-458-1	107-06-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50		1,2-dichloropropane; propylene dichloride									
		602-020-00-0	201-152-2	78-87-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
51		dibromomethane									
		602-003-00-8	200-824-2	74-95-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
52		bromodichloromethane									
			200-856-7	75-27-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53		trans-1,3-dichloropropene									
			431-460-4	10061-02-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
54		1,1,2-trichloroethane									
		602-014-00-8	201-166-9	79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55		1,3-dichloropropane									
			205-531-3	142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56		dibromochloromethane									
			204-704-0	124-48-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57		1,2-dibromoethane									
		602-010-00-6	203-444-5	106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
58		chlorobenzene									
		602-033-00-1	203-628-5	108-90-7		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
59		1,1,2,2-tetrachloroethane									
		602-015-00-3	201-197-8	79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
60		1,1,1,2-tetrachloroethane									
			211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
61		pentachlorobenzene									
		602-074-00-5	210-172-0	608-93-5		<0.0014 mg/kg		<0.0014 mg/kg	<0.00000014 %		<LOD
62		hexachlorobutadiene									
			201-765-5	87-68-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]									
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
64		2,6-dinitrotoluene									
		609-049-00-8	210-106-0	606-20-2		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
65		2-chloronaphthalene									
			202-079-9	91-58-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
66		biphenyl; diphenyl									
		601-042-00-8	202-163-5	92-52-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
67		bromobenzene									
		602-060-00-9	203-623-8	108-86-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68		bromoform; tribromomethane									
		602-007-00-X	200-854-6	75-25-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69		chloroethane									
		602-009-00-0	200-830-5	75-00-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
70		chloromethane; methyl chloride									
		602-001-00-7	200-817-4	74-87-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0613 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0119%)

Classification of sample: 2L6006TP[2]

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

Sample details

Sample name:
2L6006TP[2]
Sample Depth:
0.5 m
Moisture content:
20.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.8% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.5	mg/kg	1.32	11.223	mg/kg	0.00112 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32	mg/kg	1.462	46.77	mg/kg	0.00468 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.3	mg/kg	1.126	14.974	mg/kg	0.0015 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	12.4	mg/kg	1.56	19.342	mg/kg	0.00124 %		
8		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**
9		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		16.2	mg/kg	2.976	48.215	mg/kg	0.00482 %		
10		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		40.8	mg/kg	2.469	100.747	mg/kg	0.0101 %		
11		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
12		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6	mg/kg	1.884	1.13	mg/kg	0.000113 %		
13		pH			PH		7.9	pH		7.9	pH	7.9 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									
14		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
15		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				0.34	mg/kg		0.34	mg/kg	0.000034 %		
			205-912-4	206-44-0									
26		pyrene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
36		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
37		TPH (C6 to C40) petroleum group				133.196	mg/kg		133.196	mg/kg	0.0133 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
42		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
43		2,2-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			209-832-0	594-20-7									
44		bromochloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-826-3	74-97-5									
45		chloroform; trichloromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
46		1,1,1-trichloroethane; methyl chloroform				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
47		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
48		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
49		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
50		1,2-dichloropropane; propylene dichloride				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
51		dibromomethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
52		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
53		trans-1,3-dichloropropene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			431-460-4	10061-02-6									
54		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
55		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
56		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
57		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
58		chlorobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
59		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
60		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
61		pentachlorobenzene				<0.0014	mg/kg		<0.0014	mg/kg	<0.00000014 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
62		hexachlorobutadiene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-765-5	87-68-3									
63		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
64		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
65		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
66		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
67		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
68		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
69		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
70		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									

#		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									
71		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
72		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
73		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
75		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
76		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
77		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
78		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
79		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
80		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.007	mg/kg		<0.007	mg/kg	<0.000000705 %		<LOD
		602-052-00-5	204-079-4	115-29-7									
81		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
82		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
83		1,4-dichlorobenzene; p-dichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
84		1,2,3-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-757-1	87-61-6									
85		1,2,4-trichlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
86		hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
87		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
88		dichlorodifluoromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-893-9	75-71-8									
										Total:	0.0379 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0133%)

Classification of sample: 2L6006TP[3]

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

Sample details

Sample name:
2L6006TP[3]
Sample Depth:
2.3 m
Moisture content:
20.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.4	mg/kg	1.32	15.052	mg/kg	0.00151 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		7.7	mg/kg	1.142	8.796	mg/kg	0.00088 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16.7	mg/kg	1.462	24.408	mg/kg	0.00244 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		105.1	mg/kg	1.126	118.331	mg/kg	0.0118 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	155.8	mg/kg	1.56	243.019	mg/kg	0.0156 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		556.5	mg/kg	2.469	1374.163	mg/kg	0.137 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.4	mg/kg	3.22	4.508	mg/kg	0.000451 %		
11	pH			PH		8.4	pH		8.4	pH	8.4 pH		
12	benzene	601-020-00-8	200-753-7	71-43-2		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
13	toluene	601-021-00-3	203-625-9	108-88-3		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
14	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**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									
15		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
16		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
17		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
18		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
19		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
20		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
21		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
22		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
23		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
24		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
25		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
26		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
27		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
28		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
29		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
30		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
31		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
32		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
33		polychlorobiphenyls; PCB				<0.044	mg/kg		<0.044	mg/kg	<0.0000044 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
										Total:	0.171 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6007DR

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

Sample details

Sample name:
2L6007DR
Sample Depth:
0.55 m
Moisture content:
21.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.6 mg/kg	1.32	17.956 mg/kg	0.0018 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31 mg/kg	1.462	45.308 mg/kg	0.00453 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	15.762 mg/kg	0.00158 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	12.8 mg/kg	1.56	19.966 mg/kg	0.00128 %		
8	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
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		48.4 mg/kg	2.469	119.514 mg/kg	0.012 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.7 mg/kg	3.22	5.474 mg/kg	0.000547 %		
11	pH			PH		7.8 pH		7.8 pH	7.8 pH		
								Total:	0.0219 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6008DR

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

Sample details

Sample name:
2L6008DR
Sample Depth:
3 m
Moisture content:
17.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		22.1	mg/kg	1.32	29.179	mg/kg	0.00292 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35.8	mg/kg	1.462	52.324	mg/kg	0.00523 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19.8	mg/kg	1.126	22.293	mg/kg	0.00223 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.8	mg/kg	1.56	24.645	mg/kg	0.00158 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		73.9	mg/kg	2.469	182.481	mg/kg	0.0182 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.4	mg/kg	3.22	7.728	mg/kg	0.000773 %		
11	pH			PH		7.8	pH		7.8	pH	7.8 pH		
										Total:	0.0312 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6008DR[2]

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

Sample details

Sample name:
2L6008DR[2]
Sample Depth:
6.5 m
Moisture content:
18.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16.7	mg/kg	1.32	22.049	mg/kg	0.0022 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39.9	mg/kg	1.462	58.316	mg/kg	0.00583 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.9	mg/kg	1.126	29.161	mg/kg	0.00292 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.5	mg/kg	1.56	25.737	mg/kg	0.00165 %		
8		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**
9		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		78.5	mg/kg	2.469	193.84	mg/kg	0.0194 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		4.6	mg/kg	3.22	14.811	mg/kg	0.00148 %		
11		pH			PH		8.8	pH		8.8	pH	8.8 pH		
											Total:	0.0337 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6009DR

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

Sample details

Sample name:
2L6009DR
Sample Depth:
0.1 m
Moisture content:
28.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 28.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.2	mg/kg	1.32	12.147	mg/kg	0.00121 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.7	mg/kg	1.142	0.8	mg/kg	0.00008 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		37.6	mg/kg	1.462	54.954	mg/kg	0.0055 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.4	mg/kg	1.126	17.339	mg/kg	0.00173 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	29.6	mg/kg	1.56	46.171	mg/kg	0.00296 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		22.8	mg/kg	2.976	67.859	mg/kg	0.00679 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		80.2	mg/kg	2.469	198.038	mg/kg	0.0198 %		
11	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<100	mg/kg		<100	mg/kg	<0.01 %		<**LOD**
12	pH			PH		6.9	pH		6.9	pH	6.9 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									
13		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
14		benzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
15		toluene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
16		ethylbenzene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.042	mg/kg		<0.042	mg/kg	<0.0000042 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		naphthalene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
19		acenaphthylene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			205-917-1	208-96-8									
20		acenaphthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-469-6	83-32-9									
21		fluorene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-695-5	86-73-7									
22		phenanthrene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			201-581-5	85-01-8									
23		anthracene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			204-371-1	120-12-7									
24		fluoranthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			205-912-4	206-44-0									
25		pyrene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			204-927-3	129-00-0									
26		benzo[a]anthracene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
31		indeno[123-cd]pyrene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
33		benzo[ghi]perylene				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
			205-883-8	191-24-2									
34		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
35		polychlorobiphenyls; PCB				<0.049	mg/kg		<0.049	mg/kg	<0.0000049 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
36		TPH (C6 to C40) petroleum group				198.391	mg/kg		198.391	mg/kg	0.0198 %		
				TPH									
37		pentachlorobenzene				<0.0013	mg/kg		<0.0013	mg/kg	<0.000000139 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
38		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.028	mg/kg		<0.028	mg/kg	<0.0000028 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
39		aldrin (ISO)				<0.0027	mg/kg		<0.0027	mg/kg	<0.000000279 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
40		dieldrin (ISO)				<0.0069	mg/kg		<0.0069	mg/kg	<0.000000696 %		<LOD
		602-049-00-9	200-484-5	60-57-1									

#		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							
41		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9							
42		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7							
43		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.0139 mg/kg		<0.0139 mg/kg	<0.00000139 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7							
44		1,2,3-trichlorobenzene				<0.0013 mg/kg		<0.0013 mg/kg	<0.000000139 %		<**LOD**
			201-757-1	87-61-6							
45		hexachlorobenzene				<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1							
								Total:	0.0684 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0198%)

Classification of sample: 2L6009DR[2]

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

Sample details

Sample name:
2L6009DR[2]
Sample Depth:
0.5 m
Moisture content:
17.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.8	mg/kg	1.32	8.978	mg/kg	0.000898 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6	mg/kg	1.142	0.685	mg/kg	0.0000685 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26.7	mg/kg	1.462	39.024	mg/kg	0.0039 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		**<LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11.5	mg/kg	1.126	12.948	mg/kg	0.00129 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.1	mg/kg	1.56	20.434	mg/kg	0.00131 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		58.6	mg/kg	2.469	144.701	mg/kg	0.0145 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
11	pH			PH		7	pH		7	pH	7pH		
										Total:	0.0224 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6009DR[3]

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

Sample details

Sample name:
2L6009DR[3]
Sample Depth:
2.9 m
Moisture content:
19.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.5 mg/kg	1.32	12.543 mg/kg	0.00125 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30.7 mg/kg	1.462	44.87 mg/kg	0.00449 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.1 mg/kg	1.126	22.63 mg/kg	0.00226 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.2 mg/kg	1.56	23.709 mg/kg	0.00152 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		65.7 mg/kg	2.469	162.233 mg/kg	0.0162 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		3.7 mg/kg	3.22	11.914 mg/kg	0.00119 %		
11	pH			PH		8.1 pH		8.1 pH	8.1 pH		
								Total:	0.0272 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6010DR

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

Sample details

Sample name:
2L6010DR
Sample Depth:
0.1 m
Moisture content:
23.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 23.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.4	mg/kg	1.32	12.411	mg/kg	0.00124 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6	mg/kg	1.142	0.685	mg/kg	0.0000685 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33.7	mg/kg	1.462	49.254	mg/kg	0.00493 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19.4	mg/kg	1.126	21.842	mg/kg	0.00218 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	35	mg/kg	1.56	54.594	mg/kg	0.0035 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		80.8	mg/kg	2.469	199.519	mg/kg	0.02 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.7	mg/kg	3.22	5.474	mg/kg	0.000547 %		
11	pH			PH		6.5	pH		6.5	pH	6.5 pH		
										Total:	0.0327 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6010DR[2]

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

Sample details

Sample name:
2L6010DR[2]
Sample Depth:
1 m
Moisture content:
19.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.2	mg/kg	1.32	13.467	mg/kg	0.00135 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		42	mg/kg	1.462	61.385	mg/kg	0.00614 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.7	mg/kg	1.56	26.049	mg/kg	0.00167 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		74.3	mg/kg	2.469	183.469	mg/kg	0.0183 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1	mg/kg	3.22	3.22	mg/kg	0.000322 %		
11	pH			PH		9.2	pH		9.2	pH	9.2 pH		
										Total:	0.0306 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6010DR[3]

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

Sample details

Sample name:
2L6010DR[3]
Sample Depth:
11.25 m
Moisture content:
18.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.8	mg/kg	1.32	14.26	mg/kg	0.00143 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34.4	mg/kg	1.462	50.278	mg/kg	0.00503 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24.7	mg/kg	1.126	27.809	mg/kg	0.00278 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.1	mg/kg	1.56	23.553	mg/kg	0.00151 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		73.1	mg/kg	2.469	180.506	mg/kg	0.0181 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		5.7	mg/kg	3.22	18.353	mg/kg	0.00184 %		
11	pH			PH		8.6	pH		8.6	pH	8.6 pH		
										Total:	0.0309 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6011SR

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

Sample details

Sample name:
2L6011SR
Sample Depth:
0.1 m
Moisture content:
19.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.3 mg/kg	1.32	13.599 mg/kg	0.00136 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.8 mg/kg	1.462	37.708 mg/kg	0.00377 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17.2 mg/kg	1.126	19.365 mg/kg	0.00194 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	29.5 mg/kg	1.56	46.015 mg/kg	0.00295 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		14.7 mg/kg	2.976	43.751 mg/kg	0.00438 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		65 mg/kg	2.469	160.504 mg/kg	0.0161 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0		<100 mg/kg		<100 mg/kg	<0.01 %		<**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									
				12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
14		pH				7.2	pH		7.2	pH	7.2 pH		
				PH									
15		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
16		benzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
19		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.037	mg/kg		<0.037	mg/kg	<0.0000037 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
20		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
22		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
23		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
24		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
25		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
26		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
27		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
36		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
37		polychlorobiphenyls; PCB				<0.043	mg/kg		<0.043	mg/kg	<0.0000043 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
38		TPH (C6 to C40) petroleum group				55.718	mg/kg		55.718	mg/kg	0.00557 %		
				TPH									
39		pentachlorobenzene				<0.0013	mg/kg		<0.0013	mg/kg	<0.000000139 %		<**LOD**
		602-074-00-5	210-172-0	608-93-5									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
40		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.028 mg/kg		<0.028 mg/kg	<0.0000028 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4							
41		aldrin (ISO)				<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<**LOD**
		602-048-00-3	206-215-8	309-00-2							
42		dieldrin (ISO)				<0.0069 mg/kg		<0.0069 mg/kg	<0.000000696 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1							
43		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<**LOD**
		613-068-00-7	217-617-8	1912-24-9							
44		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7							
45		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.0139 mg/kg		<0.0139 mg/kg	<0.00000139 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7							
46		1,2,3-trichlorobenzene				<0.0013 mg/kg		<0.0013 mg/kg	<0.000000139 %		<**LOD**
			201-757-1	87-61-6							
47		hexachlorobenzene				<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<**LOD**
		602-065-00-6	204-273-9	118-74-1							
								Total:	0.0467 %		

Key

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

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00557%)

Classification of sample: 2L6011SR[2]

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

Sample details

Sample name:
2L6011SR[2]
Sample Depth:
0.5 m
Moisture content:
18.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17.1 mg/kg	1.32	22.578 mg/kg	0.00226 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.7 mg/kg	1.462	53.639 mg/kg	0.00536 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.1 mg/kg	1.126	20.379 mg/kg	0.00204 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	18.3 mg/kg	1.56	28.545 mg/kg	0.00183 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		21.2 mg/kg	2.976	63.097 mg/kg	0.00631 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		50.9 mg/kg	2.469	125.687 mg/kg	0.0126 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				0.6 mg/kg	1.884	1.13 mg/kg	0.000113 %		
13	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0		<100 mg/kg		<100 mg/kg	<0.01 %		<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									
				12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
14	●	pH				7.7	pH		7.7	pH	7.7 pH		
				PH									
15		benzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17	●	ethylbenzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.037	mg/kg		<0.037	mg/kg	<0.0000037 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21	●	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22	●	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
23	●	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24	●	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25	●	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
26	●	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
35	●	coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36	●	polychlorobiphenyls; PCB				<0.043	mg/kg		<0.043	mg/kg	<0.0000043 %		<**LOD**
		602-039-00-4	215-648-1	1336-36-3									
37	●	TPH (C6 to C40) petroleum group				79.364	mg/kg		79.364	mg/kg	0.00794 %		
				TPH									
										Total:	0.049 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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 because No liquid phase present. Hazardous limit used represents less than 1% of the waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00794%)

Classification of sample: 2L6011SR[3]

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

Sample details

Sample name:
2L6011SR[3]
Sample Depth:
3 m
Moisture content:
19.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20.4 mg/kg	1.32	26.935 mg/kg	0.00269 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33.5 mg/kg	1.462	48.962 mg/kg	0.0049 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.4 mg/kg	1.126	28.598 mg/kg	0.00286 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	17.6 mg/kg	1.56	27.453 mg/kg	0.00176 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		78.6 mg/kg	2.469	194.087 mg/kg	0.0194 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.4 mg/kg	3.22	4.508 mg/kg	0.000451 %		
11	pH			PH		8.4 pH		8.4 pH	8.4 pH		
								Total:	0.0323 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 2L6011SR[4]

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

Sample details

Sample name:
2L6011SR[4]
Sample Depth:
6 m
Moisture content:
19.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11	mg/kg	1.32	14.524	mg/kg	0.00145 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.5	mg/kg	1.462	53.347	mg/kg	0.00533 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26.4	mg/kg	1.126	29.723	mg/kg	0.00297 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	17.5	mg/kg	1.56	27.297	mg/kg	0.00175 %		
8	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**
9	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		77	mg/kg	2.469	190.136	mg/kg	0.019 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		3.5	mg/kg	3.22	11.27	mg/kg	0.00113 %		
11	pH			PH		8	pH		8	pH	8pH		
										Total:	0.0319 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: [redacted]
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

pH (CAS Number: PH)

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

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

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

Description/Comments: Data from C&L Inventory Database
Data source: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

- **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

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

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

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

- **bromochloromethane** (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

di-n-octyl phthalate (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

dichlorodifluoromethane (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Aquatic Chronic 3; H412 , Ozone 1; H420 , Press. Gas; H280

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.

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. 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.

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

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

chromium in chromium(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.

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.

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. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight.

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight.

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight.

zinc {zinc sulphate}

Not enough chromium concentration (<0.5mg/kg) available to make zinc chromate. Hence, species changed to zinc sulphate.

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)

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

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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2024.30.5942.10989 (30 Jan 2024)
HazWasteOnline Database: 2024.26.5938.10982 (26 Jan 2024)

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

Waste Classification Report

[redacted]

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

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

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

Report is invalid if pages are removed.

Job name

Water For Life - Havant Thicket - Section L Phase 3 GI

Description/Comments

Phase3 GI was carried out between October 2023 and May2024 by SOCOTEC UK Limited

Laboratory Analysis carried out by SOCOTEC Environmental Chemistry.

Project

Water for Life

Site

Section L

Classified by

Name:
[redacted]
Date:
27 Nov 2024 07:56 GMT
Telephone:
[redacted]

Company:
Stantec UK Ltd
1st Floor, Vision Court
Caxton Place
Cardiff
CF23 8HA

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

HazWasteOnline™ Certification: **CERTIFIED**

Course	**Date**
Hazardous Waste Classification	08 Aug 2024

Next 3 year Refresher due by Aug 2027

Purpose of classification

2 - Material Characterisation

Address of the waste

N/A **Post Code** N/A

SIC for the process giving rise to the waste

42910 Construction of water projects

Description of industry/producer giving rise to the waste

Water Industry

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

Waste created during the excavation and installation of a new pipeline largely through open cut excavation methods

Description of the waste

Exploratory Hole Locations along Section L encountered a mix of topsoil, made ground and natural soils.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	3L6013HP	0.1	Non Hazardous		3
2	3L6013HP[2]	0.5	Non Hazardous		5
3	3L6015HP	0.2	Non Hazardous		7
4	3L6015HP[2]	1	Non Hazardous		9
5	3L6017HP	0.2	Non Hazardous		11
6	3L6017HP[2]	1	Non Hazardous		13
7	3L6023HP	0.2	Non Hazardous		15
8	3L6023HP[2]	1	Non Hazardous		17
9	3L6024HP-B	0.5	Non Hazardous		19
10	3L6026HP	0.5	Non Hazardous		21
11	3L6027HP	0.15	Non Hazardous		23
12	3L6027HP[2]	0.5	Non Hazardous		26
13	3L6028HP	0.1	Non Hazardous		28
14	3L6028HP[2]	1	Non Hazardous		30
15	3L6029HP	0.5	Non Hazardous		32
16	3L6044HP	0.3	Non Hazardous		34
17	3L6044HP[2]	1	Non Hazardous		36
18	3L6045HP	0.2	Non Hazardous		38
19	3L6045HP[2]	0.5	Non Hazardous		41
20	3L6046HP	0.2	Non Hazardous		44
21	3L6046HP[2]	1	Non Hazardous		47
22	3L6100HP	0.2	Non Hazardous		50
23	3L6100HP[2]	1	Non Hazardous		52
24	3L6101DS	0.5	Non Hazardous		54
25	3L6101DS[2]	2.85	Non Hazardous		56
26	3L6101DS[3]	5.85	Non Hazardous		58
27	3L6102HP	0.2	Non Hazardous		60
28	3L6102HP[2]	0.5	Non Hazardous		62
29	3L6104HP	0.5	Non Hazardous		64
30	3L6104HP[2]	1	Non Hazardous		67
31	3L6105HP	0.2	Non Hazardous		70
32	3L6105HP[2]	1	Non Hazardous		72
33	3L6106DS	0.2	Non Hazardous		74
34	3L6106DS[2]	1	Non Hazardous		79
35	3L6106DS[3]	3.5	Non Hazardous		84
36	3L6107DS	0.15	Non Hazardous		89
37	3L6107DS[2]	1	Non Hazardous		94
38	3L6107DS[3]	1.6	Non Hazardous		99
39	3L6107DS[4]	5.6	Non Hazardous		104

Related documents

#	Name	Description
1	GAC Tool Template v4	waste stream template used to create this Job

Report

Created by: Samuel Doyle

Created date: 27 Nov 2024 07:56 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	109
Appendix B: Rationale for selection of metal species	111
Appendix C: Version	112

Classification of sample: 3L6013HP

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

Sample details

Sample name:
3L6013HP
Sample Depth:
0.1 m
Moisture content:
36.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 36.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9 mg/kg	1.32	11.883 mg/kg	0.00119 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.4 mg/kg	1.462	37.124 mg/kg	0.00371 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.3 mg/kg	1.126	10.471 mg/kg	0.00105 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	26 mg/kg	1.56	40.555 mg/kg	0.0026 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		51.8 mg/kg	2.774	143.701 mg/kg	0.0144 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<**LOD**
11	pH			PH		7.9 pH		7.9 pH	7.9 pH		
12	TPH (C6 to C40) petroleum group			TPH		77.1 mg/kg		77.1 mg/kg	0.00771 %		
								Total:	0.031 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00771%)

Classification of sample: 3L6013HP[2]

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

Sample details

Sample name:
3L6013HP[2]
Sample Depth:
0.5 m
Moisture content:
17.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.1 mg/kg	1.32	10.695 mg/kg	0.00107 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27.8 mg/kg	1.462	40.631 mg/kg	0.00406 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.6 mg/kg	1.126	9.683 mg/kg	0.000968 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	8.5 mg/kg	1.56	13.258 mg/kg	0.00085 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		33.7 mg/kg	2.774	93.489 mg/kg	0.00935 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<**LOD**
11	pH			PH		6.5 pH		6.5 pH	6.5 pH		
12	TPH (C6 to C40) petroleum group			TPH		85.7 mg/kg		85.7 mg/kg	0.00857 %		
								Total:	0.0252 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00857%)

Classification of sample: 3L6015HP

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

Sample details

Sample name:
3L6015HP
Sample Depth:
0.2 m
Moisture content:
52.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 52.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.2 mg/kg	1.32	6.866 mg/kg	0.000687 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38.7 mg/kg	1.462	56.562 mg/kg	0.00566 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12.2 mg/kg	1.126	13.736 mg/kg	0.00137 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	28.4 mg/kg	1.56	44.299 mg/kg	0.00284 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		77 mg/kg	2.774	213.609 mg/kg	0.0214 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.6 mg/kg	3.22	8.372 mg/kg	0.000837 %		
11	pH			PH		6.5 pH		6.5 pH	6.5 pH		
12	TPH (C6 to C40) petroleum group			TPH		68.8 mg/kg		68.8 mg/kg	0.00688 %		
								Total:	0.0398 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00688%)

Classification of sample: 3L6015HP[2]

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

Sample details

Sample name:
3L6015HP[2]
Sample Depth:
1 m
Moisture content:
25.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 25.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.1	mg/kg	1.32	15.976	mg/kg	0.0016 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34	mg/kg	1.462	49.693	mg/kg	0.00497 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.1	mg/kg	1.126	18.127	mg/kg	0.00181 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.7	mg/kg	1.56	21.369	mg/kg	0.00137 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<**LOD**
11	pH			PH		7.3	pH		7.3	pH	7.3 pH		
12	TPH (C6 to C40) petroleum group			TPH		28.5	mg/kg		28.5	mg/kg	0.00285 %		
										Total:	0.0271 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00285%)

Classification of sample: 3L6017HP

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

Sample details

Sample name:
3L6017HP
Sample Depth:
0.2 m
Moisture content:
20.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.4% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1	mg/kg	1.32	9.374	mg/kg	0.000937 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		**<LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24.4	mg/kg	1.462	35.662	mg/kg	0.00357 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		**<LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12.2	mg/kg	1.126	13.736	mg/kg	0.00137 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	22.8	mg/kg	1.56	35.564	mg/kg	0.00228 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		59.3	mg/kg	2.774	164.507	mg/kg	0.0165 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
11	pH			PH		6.3	pH		6.3	pH	6.3 pH		
12	TPH (C6 to C40) petroleum group			TPH		31.3	mg/kg		31.3	mg/kg	0.00313 %		
										Total:	0.0282 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00313%)

Classification of sample: 3L6017HP[2]

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

Sample details

Sample name:
3L6017HP[2]
Sample Depth:
1 m
Moisture content:
12.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 12.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6 mg/kg	1.32	7.922 mg/kg	0.000792 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22.2 mg/kg	1.462	32.447 mg/kg	0.00324 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.2 mg/kg	1.126	14.862 mg/kg	0.00149 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	9.9 mg/kg	1.56	15.442 mg/kg	0.00099 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		42.9 mg/kg	2.774	119.011 mg/kg	0.0119 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
11	pH			PH		6.2 pH		6.2 pH	6.2 pH		
12	TPH (C6 to C40) petroleum group			TPH		25.9 mg/kg		25.9 mg/kg	0.00259 %		
								Total:	0.0214 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00259%)

Classification of sample: 3L6023HP

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

Sample details

Sample name:
3L6023HP
Sample Depth:
0.2 m
Moisture content:
38.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 38.2% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.2 mg/kg	1.32	10.827 mg/kg	0.00108 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27.1 mg/kg	1.462	39.608 mg/kg	0.00396 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11.2 mg/kg	1.126	12.61 mg/kg	0.00126 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	26.4 mg/kg	1.56	41.179 mg/kg	0.00264 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		56.9 mg/kg	2.774	157.849 mg/kg	0.0158 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
11	pH			PH		8.5 pH		8.5 pH	8.5 pH		
12	pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
13	TPH (C6 to C40) petroleum group			TPH		50.5 mg/kg		50.5 mg/kg	0.00505 %		
14	pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<0.0016 mg/kg		<0.0016 mg/kg	<0.000000162 %		<**LOD**
15	aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<0.0032 mg/kg		<0.0032 mg/kg	<0.000000324 %		<**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									
16		dieldrin (ISO)				<0.008	mg/kg		<0.008	mg/kg	<0.000000809 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
17		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0032	mg/kg		<0.0032	mg/kg	<0.000000324 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
18		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0032	mg/kg		<0.0032	mg/kg	<0.000000324 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
19		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0178	mg/kg		0.0178	mg/kg	0.00000178 %		
		602-052-00-5	204-079-4	115-29-7									
20		hexachlorocyclohexanes, including lindane				0.0081	mg/kg		0.0081	mg/kg	0.00000081 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
21		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0016	mg/kg		<0.0016	mg/kg	<0.000000162 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
22		1,2,3-trichlorobenzene				<0.0016	mg/kg		<0.0016	mg/kg	<0.000000162 %		<LOD
			201-757-1	87-61-6									
23		hexachlorobenzene				<0.0032	mg/kg		<0.0032	mg/kg	<0.000000324 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
										Total:	0.0303 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00505%)

Classification of sample: 3L6023HP[2]

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

Sample details

Sample name:
3L6023HP[2]
Sample Depth:
1 m
Moisture content:
21%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.7 mg/kg	1.32	14.127 mg/kg	0.00141 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3 mg/kg	1.142	0.343 mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		44.1 mg/kg	1.462	64.455 mg/kg	0.00645 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	22.518 mg/kg	0.00225 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	18.5 mg/kg	1.56	28.857 mg/kg	0.00185 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		74.3 mg/kg	2.774	206.119 mg/kg	0.0206 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<**LOD**
11	pH			PH		8.5 pH		8.5 pH	8.5 pH		
12	TPH (C6 to C40) petroleum group			TPH		47.2 mg/kg		47.2 mg/kg	0.00472 %		
								Total:	0.0376 %		

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00472%)

Classification of sample: 3L6024HP-B

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

Sample details

Sample name:
3L6024HP-B
Sample Depth:
0.5 m
Moisture content:
21.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.7% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.8	mg/kg	1.32	7.658	mg/kg	0.000766 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22.9	mg/kg	1.462	33.47	mg/kg	0.00335 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.3	mg/kg	1.126	8.219	mg/kg	0.000822 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	10	mg/kg	1.56	15.598	mg/kg	0.001 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		44.3	mg/kg	2.774	122.895	mg/kg	0.0123 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
11		pH			PH		7.7	pH		7.7	pH	7.7 pH		
12		TPH (C6 to C40) petroleum group			TPH		25.9	mg/kg		25.9	mg/kg	0.00259 %		
											Total:	0.0212 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00259%)

Classification of sample: 3L6026HP

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

Sample details

Sample name:
3L6026HP
Sample Depth:
0.5 m
Moisture content:
20.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.1	mg/kg	1.32	17.296	mg/kg	0.00173 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24.3	mg/kg	1.462	35.516	mg/kg	0.00355 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.5	mg/kg	1.405	0.703	mg/kg	0.0000703 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		58.3	mg/kg	1.126	65.639	mg/kg	0.00656 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	60.4	mg/kg	1.56	94.213	mg/kg	0.00604 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		140.4	mg/kg	2.774	389.49	mg/kg	0.0389 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<**LOD**
11	pH			PH		8.5	pH		8.5	pH	8.5 pH		
12	TPH (C6 to C40) petroleum group			TPH		101	mg/kg		101	mg/kg	0.0101 %		
										Total:	0.0673 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0101%)

Classification of sample: 3L6027HP

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

Sample details

Sample name:
3L6027HP
Sample Depth:
0.15 m
Moisture content:
26.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 26.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.5 mg/kg	1.32	11.223 mg/kg	0.00112 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29.3 mg/kg	1.462	42.824 mg/kg	0.00428 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10.5 mg/kg	1.126	11.822 mg/kg	0.00118 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	43 mg/kg	1.56	67.072 mg/kg	0.0043 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		22.2 mg/kg	2.976	66.073 mg/kg	0.00661 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		48.7 mg/kg	2.774	135.101 mg/kg	0.0135 %		
11	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
12	pH			PH		6.7 pH		6.7 pH	6.7 pH		
13	phenol	604-001-00-2	203-632-7	108-95-2		0.26 mg/kg		0.26 mg/kg	0.000026 %		

#		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		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		0.26	mg/kg		0.26	mg/kg	0.000026 %		
15		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.13	mg/kg		<0.13	mg/kg	<0.000013 %		<**LOD**
16		benzene											
		601-020-00-8	200-753-7	71-43-2		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
17		toluene											
		601-021-00-3	203-625-9	108-88-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
18		ethylbenzene											
		601-023-00-4	202-849-4	100-41-4		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
20		acenaphthylene											
			205-917-1	208-96-8		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
21		acenaphthene											
			201-469-6	83-32-9		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
22		fluorene											
			201-695-5	86-73-7		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
23		phenanthrene											
			201-581-5	85-01-8		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
24		anthracene											
			204-371-1	120-12-7		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
25		fluoranthene											
			205-912-4	206-44-0		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
26		pyrene											
			204-927-3	129-00-0		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
34		benzo[ghi]perylene											
			205-883-8	191-24-2		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
35		coronene											
			205-881-7	191-07-1		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
36		TPH (C6 to C40) petroleum group											
				TPH		59.9	mg/kg		59.9	mg/kg	0.00599 %		
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<**LOD**
										Total:	0.0384 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00599%)

Classification of sample: 3L6027HP[2]

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

Sample details

Sample name:
3L6027HP[2]
Sample Depth:
0.5 m
Moisture content:
19.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19.8% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9	mg/kg	1.32	11.883	mg/kg	0.00119 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35.9	mg/kg	1.462	52.47	mg/kg	0.00525 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.2	mg/kg	1.126	20.491	mg/kg	0.00205 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	14.5	mg/kg	1.56	22.617	mg/kg	0.00145 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		64.4	mg/kg	2.774	178.655	mg/kg	0.0179 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.9	mg/kg	3.22	2.898	mg/kg	0.00029 %		
11		pH			PH		7.9	pH		7.9	pH	7.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		53.7	mg/kg		53.7	mg/kg	0.00537 %		
											Total:	0.0336 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00537%)

Classification of sample: 3L6028HP

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

Sample details

Sample name:
3L6028HP
Sample Depth:
0.1 m
Moisture content:
28.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 28.3% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.8 mg/kg	1.32	7.658 mg/kg	0.000766 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21.6 mg/kg	1.462	31.57 mg/kg	0.00316 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		0.1 mg/kg	1.923	0.192 mg/kg	0.0000192 %		
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.9 mg/kg	1.126	10.02 mg/kg	0.001 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	23.3 mg/kg	1.56	36.344 mg/kg	0.00233 %		
8	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
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		45.6 mg/kg	2.774	126.501 mg/kg	0.0127 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.9 mg/kg	3.22	2.898 mg/kg	0.00029 %		
11	pH			PH		6.5 pH		6.5 pH	6.5 pH		
12	pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13	TPH (C6 to C40) petroleum group			TPH		135 mg/kg		135 mg/kg	0.0135 %		
14	pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<0.0013 mg/kg		<0.0013 mg/kg	<0.000000139 %		<LOD
15	aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<0.0027 mg/kg		<0.0027 mg/kg	<0.000000279 %		<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									
16		dieldrin (ISO)				<0.0069	mg/kg		<0.0069	mg/kg	<0.000000697 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
17		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0027	mg/kg		<0.0027	mg/kg	<0.000000279 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
18		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0027	mg/kg		<0.0027	mg/kg	<0.000000279 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
19		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0153	mg/kg		0.0153	mg/kg	0.00000153 %		
		602-052-00-5	204-079-4	115-29-7									
20		hexachlorocyclohexanes, including lindane				0.0069	mg/kg		0.0069	mg/kg	0.000000697 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
21		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0013	mg/kg		<0.0013	mg/kg	<0.000000139 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
22		1,2,3-trichlorobenzene				<0.0013	mg/kg		<0.0013	mg/kg	<0.000000139 %		<LOD
			201-757-1	87-61-6									
23		hexachlorobenzene				<0.0027	mg/kg		<0.0027	mg/kg	<0.000000279 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
										Total:	0.0339 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: Not enough CrVI to form chromates

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide (compound conc.: 0.00001%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%)
because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0135%)

Classification of sample: 3L6028HP[2]

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

Sample details

Sample name:
3L6028HP[2]
Sample Depth:
1 m
Moisture content:
23.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 23.4% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16.7	mg/kg	1.32	22.049	mg/kg	0.0022 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		44.3	mg/kg	1.462	64.747	mg/kg	0.00647 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<LOD
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.2	mg/kg	1.126	20.491	mg/kg	0.00205 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	17.3	mg/kg	1.56	26.985	mg/kg	0.00173 %		
8		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
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		65.3	mg/kg	2.774	181.152	mg/kg	0.0181 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
11		pH			PH		6.5	pH		6.5	pH	6.5 pH		
12		TPH (C6 to C40) petroleum group			TPH		31.3	mg/kg		31.3	mg/kg	0.00313 %		
											Total:	0.034 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00313%)

Classification of sample: 3L6029HP

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

Sample details

Sample name:
3L6029HP
Sample Depth:
0.5 m
Moisture content:
20.2%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.2	mg/kg	1.32	12.147	mg/kg	0.00121 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.6	mg/kg	1.462	53.493	mg/kg	0.00535 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10.7	mg/kg	1.126	12.047	mg/kg	0.0012 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	12.3	mg/kg	1.56	19.186	mg/kg	0.00123 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		44.5	mg/kg	2.774	123.45	mg/kg	0.0123 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<**LOD**
11		pH			PH		8.3	pH		8.3	pH	8.3 pH		
12		TPH (C6 to C40) petroleum group			TPH		35.1	mg/kg		35.1	mg/kg	0.00351 %		
											Total:	0.0252 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00351%)

Classification of sample: 3L6044HP

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

Sample details

Sample name:
3L6044HP
Sample Depth:
0.3 m
Moisture content:
22.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.9 mg/kg	1.32	19.673 mg/kg	0.00197 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		41.4 mg/kg	1.462	60.508 mg/kg	0.00605 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<LOD
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12.3 mg/kg	1.126	13.848 mg/kg	0.00138 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.9 mg/kg	1.56	26.361 mg/kg	0.00169 %		
8	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
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		48.8 mg/kg	2.774	135.378 mg/kg	0.0135 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.5 mg/kg	3.22	4.83 mg/kg	0.000483 %		
11	pH			PH		8 pH		8 pH	8pH		
12	pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13	TPH (C6 to C40) petroleum group			TPH		<25.9 mg/kg		<25.9 mg/kg	<0.00259 %		<LOD
14	pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<0.0012 mg/kg		<0.0012 mg/kg	<0.000000129 %		<LOD
15	aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<0.0025 mg/kg		<0.0025 mg/kg	<0.000000259 %		<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									
16		dieldrin (ISO)				<0.0064	mg/kg		<0.0064	mg/kg	<0.000000647 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
17		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.000000259 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
18		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.000000259 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
19		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0142	mg/kg		0.0142	mg/kg	0.00000142 %		
		602-052-00-5	204-079-4	115-29-7									
20		hexachlorocyclohexanes, including lindane				0.0064	mg/kg		0.0064	mg/kg	0.000000647 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
21		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000129 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
22		1,2,3-trichlorobenzene				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000129 %		<LOD
			201-757-1	87-61-6									
23		hexachlorobenzene				<0.0025	mg/kg		<0.0025	mg/kg	<0.000000259 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
										Total:	0.0279 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6044HP[2]

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

Sample details

Sample name:
3L6044HP[2]
Sample Depth:
1 m
Moisture content:
21.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.6% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		19.8	mg/kg	1.32	26.142	mg/kg	0.00261 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		49.6	mg/kg	1.462	72.493	mg/kg	0.00725 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.8	mg/kg	1.126	29.048	mg/kg	0.0029 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	20.2	mg/kg	1.56	31.508	mg/kg	0.00202 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		88.9	mg/kg	2.774	246.622	mg/kg	0.0247 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.4	mg/kg	3.22	4.508	mg/kg	0.000451 %		
11		pH			PH		7.9	pH		7.9	pH	7.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		38	mg/kg		38	mg/kg	0.0038 %		
											Total:	0.0439 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0038%)

Classification of sample: 3L6045HP

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

Sample details

Sample name:
3L6045HP
Sample Depth:
0.2 m
Moisture content:
12.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 12.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.7	mg/kg	1.32	14.127	mg/kg	0.00141 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23.2	mg/kg	1.462	33.908	mg/kg	0.00339 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12.1	mg/kg	1.126	13.623	mg/kg	0.00136 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	24	mg/kg	1.56	37.436	mg/kg	0.0024 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		14.3	mg/kg	2.976	42.561	mg/kg	0.00426 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		57	mg/kg	2.774	158.126	mg/kg	0.0158 %		
11	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
12	pH			PH		8.4	pH		8.4	pH	8.4 pH		
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**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									
14		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
15		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
16		benzene											
		601-020-00-8	200-753-7	71-43-2		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
17		toluene											
		601-021-00-3	203-625-9	108-88-3		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
18	●	ethylbenzene											
		601-023-00-4	202-849-4	100-41-4		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
20	●	acenaphthylene											
			205-917-1	208-96-8		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
21	●	acenaphthene											
			201-469-6	83-32-9		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
22	●	fluorene											
			201-695-5	86-73-7		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
23	●	phenanthrene											
			201-581-5	85-01-8		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
24	●	anthracene											
			204-371-1	120-12-7		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
25	●	fluoranthene											
			205-912-4	206-44-0		0.1	mg/kg		0.1	mg/kg	0.00001 %		
26	●	pyrene											
			204-927-3	129-00-0		0.09	mg/kg		0.09	mg/kg	0.000009 %		
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
32	●	indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
34	●	benzo[ghi]perylene											
			205-883-8	191-24-2		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
35	●	coronene											
			205-881-7	191-07-1		<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
36	●	TPH (C6 to C40) petroleum group											
				TPH		37.7	mg/kg		37.7	mg/kg	0.00377 %		
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
										Total:	0.0338 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00377%)

Classification of sample: 3L6045HP[2]

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

Sample details

Sample name:
3L6045HP[2]
Sample Depth:
0.5 m
Moisture content:
17.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.7 mg/kg	1.32	19.409 mg/kg	0.00194 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32.7 mg/kg	1.462	47.793 mg/kg	0.00478 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11.4 mg/kg	1.126	12.835 mg/kg	0.00128 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	34.4 mg/kg	1.56	53.658 mg/kg	0.00344 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		14.2 mg/kg	2.976	42.263 mg/kg	0.00423 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		37 mg/kg	2.774	102.643 mg/kg	0.0103 %		
11	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
12	pH			PH		8.9 pH		8.9 pH	8.9 pH		
13	phenol	604-001-00-2	203-632-7	108-95-2		0.38 mg/kg		0.38 mg/kg	0.000038 %		

#		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		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		0.21	mg/kg		0.21	mg/kg	0.000021 %		
15		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
16		benzene											
		601-020-00-8	200-753-7	71-43-2		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
17		toluene											
		601-021-00-3	203-625-9	108-88-3		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
18		ethylbenzene											
		601-023-00-4	202-849-4	100-41-4		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
20		acenaphthylene											
			205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
21		acenaphthene											
			201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
22		fluorene											
			201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
23		phenanthrene											
			201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
24		anthracene											
			204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
25		fluoranthene											
			205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
26		pyrene											
			204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
34		benzo[ghi]perylene											
			205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
35		coronene											
			205-881-7	191-07-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
36		TPH (C6 to C40) petroleum group											
				TPH		<24.3	mg/kg		<24.3	mg/kg	<0.00243 %		<**LOD**
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
										Total:	0.0298 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6046HP

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

Sample details

Sample name:
3L6046HP
Sample Depth:
0.2 m
Moisture content:
17.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15.5	mg/kg	1.462	22.654	mg/kg	0.00227 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.4	mg/kg	1.126	9.457	mg/kg	0.000946 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	19	mg/kg	1.56	29.636	mg/kg	0.0019 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		7.6	mg/kg	2.976	22.62	mg/kg	0.00226 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		34.2	mg/kg	2.774	94.876	mg/kg	0.00949 %		
11	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
12	pH			PH		6.5	pH		6.5	pH	6.5 pH		
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**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									
14		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
15		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
16		benzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
17		toluene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
18		ethylbenzene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
19		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-917-1	208-96-8									
21		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-469-6	83-32-9									
22		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-695-5	86-73-7									
23		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-581-5	85-01-8									
24		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-371-1	120-12-7									
25		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-912-4	206-44-0									
26		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-883-8	191-24-2									
35		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-881-7	191-07-1									
36		TPH (C6 to C40) petroleum group				30	mg/kg		30	mg/kg	0.003 %		
				TPH									
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0221 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.003%)

Classification of sample: 3L6046HP[2]

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

Sample details

Sample name:
3L6046HP[2]
Sample Depth:
1 m
Moisture content:
22.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22.1% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.6 mg/kg	1.32	17.956 mg/kg	0.0018 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.7 mg/kg	1.462	53.639 mg/kg	0.00536 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12.9 mg/kg	1.126	14.524 mg/kg	0.00145 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	11.5 mg/kg	1.56	17.938 mg/kg	0.00115 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		10.9 mg/kg	2.976	32.441 mg/kg	0.00324 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		39.5 mg/kg	2.774	109.579 mg/kg	0.011 %		
11	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
12	pH			PH		7.1 pH		7.1 pH	7.1 pH		
13	phenol	604-001-00-2	203-632-7	108-95-2		<0.12 mg/kg		<0.12 mg/kg	<0.000012 %		<**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									
14		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		0.28	mg/kg		0.28	mg/kg	0.000028 %		
15		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]											
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.12	mg/kg		<0.12	mg/kg	<0.000012 %		<**LOD**
16		benzene											
		601-020-00-8	200-753-7	71-43-2		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
17		toluene											
		601-021-00-3	203-625-9	108-88-3		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
18		ethylbenzene											
		601-023-00-4	202-849-4	100-41-4		<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
19		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
20		acenaphthylene											
			205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
21		acenaphthene											
			201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
22		fluorene											
			201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
23		phenanthrene											
			201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
24		anthracene											
			204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
25		fluoranthene											
			205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
26		pyrene											
			204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
27		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
28		chrysene											
		601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
29		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
30		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
31		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
32		indeno[123-cd]pyrene											
			205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
33		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
34		benzo[ghi]perylene											
			205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
35		coronene											
			205-881-7	191-07-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
36		TPH (C6 to C40) petroleum group											
				TPH		<25.7	mg/kg		<25.7	mg/kg	<0.00257 %		<**LOD**
37		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.026	mg/kg		<0.026	mg/kg	<0.0000026 %		<**LOD**
										Total:	0.0279 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6100HP

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

Sample details

Sample name:
3L6100HP
Sample Depth:
0.2 m
Moisture content:
25.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 25.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.9	mg/kg	1.32	11.751	mg/kg	0.00118 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20.2	mg/kg	1.462	29.523	mg/kg	0.00295 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.4	mg/kg	1.126	6.08	mg/kg	0.000608 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	22.5	mg/kg	1.56	35.096	mg/kg	0.00225 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		31.8	mg/kg	2.774	88.218	mg/kg	0.00882 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.5	mg/kg	3.22	8.05	mg/kg	0.000805 %		
11		pH			PH		6	pH		6	pH	6pH		
12		TPH (C6 to C40) petroleum group			TPH		64.5	mg/kg		64.5	mg/kg	0.00645 %		
											Total:	0.0232 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00645%)

Classification of sample: 3L6100HP[2]

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

Sample details

Sample name:
3L6100HP[2]
Sample Depth:
1 m
Moisture content:
20.4%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.4% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.9	mg/kg	1.32	13.071	mg/kg	0.00131 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.1	mg/kg	1.462	52.762	mg/kg	0.00528 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.9	mg/kg	1.56	24.801	mg/kg	0.00159 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		56.1	mg/kg	2.774	155.63	mg/kg	0.0156 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.5	mg/kg	3.22	8.05	mg/kg	0.000805 %		
11		pH			PH		6.1	pH		6.1	pH	6.1 pH		
12		TPH (C6 to C40) petroleum group			TPH		33.7	mg/kg		33.7	mg/kg	0.00337 %		
											Total:	0.0303 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00337%)

Classification of sample: 3L6101DS

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

Sample details

Sample name:
3L6101DS
Sample Depth:
0.5 m
Moisture content:
18.8%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.8% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.2	mg/kg	1.32	14.788	mg/kg	0.00148 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.8	mg/kg	1.462	53.785	mg/kg	0.00538 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19.2	mg/kg	1.126	21.617	mg/kg	0.00216 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.4	mg/kg	1.56	25.581	mg/kg	0.00164 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		60	mg/kg	2.774	166.449	mg/kg	0.0166 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
11	pH			PH		7.9	pH		7.9	pH	7.9 pH		
12	TPH (C6 to C40) petroleum group			TPH		<24.6	mg/kg		<24.6	mg/kg	<0.00246 %		<**LOD**
										Total:	0.0302 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6101DS[2]

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

Sample details

Sample name:
3L6101DS[2]
Sample Depth:
2.85 m
Moisture content:
16.7%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.7	mg/kg	1.32	7.526	mg/kg	0.000753 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		48.6	mg/kg	1.462	71.032	mg/kg	0.0071 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.7	mg/kg	1.405	0.983	mg/kg	0.0000983 %		
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		44.1	mg/kg	1.126	49.652	mg/kg	0.00497 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.9	mg/kg	1.56	24.801	mg/kg	0.00159 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		58.6	mg/kg	2.774	162.565	mg/kg	0.0163 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		3.6	mg/kg	3.22	11.592	mg/kg	0.00116 %		
11		pH			PH		8.5	pH		8.5	pH	8.5 pH		
12		TPH (C6 to C40) petroleum group			TPH		26	mg/kg		26	mg/kg	0.0026 %		
											Total:	0.0346 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0026%)

Classification of sample: 3L6101DS[3]

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

Sample details

Sample name:
3L6101DS[3]
Sample Depth:
5.85 m
Moisture content:
15.6%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.2	mg/kg	1.32	12.147	mg/kg	0.00121 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36.8	mg/kg	1.462	53.785	mg/kg	0.00538 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		31	mg/kg	1.126	34.903	mg/kg	0.00349 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	10	mg/kg	1.56	15.598	mg/kg	0.001 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		36.3	mg/kg	2.774	100.702	mg/kg	0.0101 %		
10		pH			PH		8.5	pH		8.5	pH	8.5 pH		
11		TPH (C6 to C40) petroleum group			TPH		24.9	mg/kg		24.9	mg/kg	0.00249 %		
											Total:	0.0238 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00249%)

Classification of sample: 3L6102HP

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

Sample details

Sample name:
3L6102HP
Sample Depth:
0.2 m
Moisture content:
30.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 30.9% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.9 mg/kg	1.32	11.751 mg/kg	0.00118 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26.2 mg/kg	1.462	38.293 mg/kg	0.00383 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.8 mg/kg	1.126	11.034 mg/kg	0.0011 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	25.8 mg/kg	1.56	40.243 mg/kg	0.00258 %		
8	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**
9	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		58.3 mg/kg	2.774	161.733 mg/kg	0.0162 %		
10	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %		
11	pH			PH		7.3 pH		7.3 pH	7.3 pH		
12	TPH (C6 to C40) petroleum group			TPH		41 mg/kg		41 mg/kg	0.0041 %		
								Total:	0.0295 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: 3L6102HP[2]

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

Sample details

Sample name:
3L6102HP[2]
Sample Depth:
0.5 m
Moisture content:
22.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22.5% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.7	mg/kg	1.32	16.768	mg/kg	0.00168 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40.8	mg/kg	1.462	59.631	mg/kg	0.00596 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.4	mg/kg	1.126	22.968	mg/kg	0.0023 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.2	mg/kg	1.56	20.59	mg/kg	0.00132 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		101.1	mg/kg	2.774	280.466	mg/kg	0.028 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
11		pH			PH		7.5	pH		7.5	pH	7.5 pH		
12		TPH (C6 to C40) petroleum group			TPH		<25.8	mg/kg		<25.8	mg/kg	<0.00258 %		<**LOD**
											Total:	0.0423 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6104HP

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

Sample details

Sample name:
3L6104HP
Sample Depth:
0.5 m
Moisture content:
20.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.9	mg/kg	1.32	10.431	mg/kg	0.00104 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31	mg/kg	1.462	45.308	mg/kg	0.00453 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	14.3	mg/kg	1.56	22.305	mg/kg	0.00143 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		30.3	mg/kg	2.976	90.181	mg/kg	0.00902 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		69.4	mg/kg	2.774	192.526	mg/kg	0.0193 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.3	mg/kg	3.22	4.186	mg/kg	0.000419 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.6	mg/kg	1.884	<1.13	mg/kg	<0.000113 %		<**LOD**
13	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5		<10	mg/kg		<10	mg/kg	<0.001 %		<**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									
				77536-66-4 77536-68-6 77536-67-5 12001-29-5									
14		pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
15		phenol				<0.11	mg/kg		<0.11	mg/kg	<0.000011 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
16		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				15.1	mg/kg		15.1	mg/kg	0.00151 %		
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
17		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				10.4	mg/kg		10.4	mg/kg	0.00104 %		
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
18		benzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
19		toluene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
20		ethylbenzene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
21		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
37		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									

#		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							
38		TPH (C6 to C40) petroleum group				30 mg/kg		30 mg/kg	0.003 %		
				TPH							
39		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.025 mg/kg		<0.025 mg/kg	<0.0000025 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4							
								Total:	0.045 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.003%)

Classification of sample: 3L6104HP[2]

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

Sample details

Sample name:
3L6104HP[2]
Sample Depth:
1 m
Moisture content:
21.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9	mg/kg	1.32	11.883	mg/kg	0.00119 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.3	mg/kg	1.142	0.343	mg/kg	0.0000343 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24.6	mg/kg	1.462	35.954	mg/kg	0.0036 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14.2	mg/kg	1.126	15.988	mg/kg	0.0016 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	12.3	mg/kg	1.56	19.186	mg/kg	0.00123 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		38.8	mg/kg	2.976	115.479	mg/kg	0.0115 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		79.6	mg/kg	2.774	220.822	mg/kg	0.0221 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.6	mg/kg	1.884	<1.13	mg/kg	<0.000113 %		<**LOD**
13	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5		<10	mg/kg		<10	mg/kg	<0.001 %		<**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							
				77536-66-4 77536-68-6 77536-67-5 12001-29-5							
14		pH				7.9 pH		7.9 pH	7.9 pH		
				PH							
15		phenol				<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
16		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
17		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
18		benzene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
19		toluene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
20		ethylbenzene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
21		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
23		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
24		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7							
25		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
26		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
27		fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0							
28		pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33		benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
34		indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5							
35		dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
36		benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2							
37		coronene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1							

#		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									
38		TPH (C6 to C40) petroleum group				<25.5	mg/kg		<25.5	mg/kg	<0.00255 %		<**LOD**
				TPH									
39		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.026	mg/kg		<0.026	mg/kg	<0.0000026 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
										Total:	0.0455 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6105HP

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

Sample details

Sample name:
3L6105HP
Sample Depth:
0.2 m
Moisture content:
21.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21.6% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.6	mg/kg	1.32	8.714	mg/kg	0.000871 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		0.2	mg/kg	1.923	0.385	mg/kg	0.0000385 %		
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.3	mg/kg	1.126	7.093	mg/kg	0.000709 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.3	mg/kg	1.56	20.746	mg/kg	0.00133 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		37.6	mg/kg	2.774	104.308	mg/kg	0.0104 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
11		pH			PH		9.4	pH		9.4	pH	9.4 pH		
12		pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
13		TPH (C6 to C40) petroleum group			TPH		52.7	mg/kg		52.7	mg/kg	0.00527 %		
14		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<0.0012	mg/kg		<0.0012	mg/kg	<0.000000128 %		<**LOD**
15		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<0.0025	mg/kg		<0.0025	mg/kg	<0.000000255 %		<**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									
16		dieldrin (ISO)				<0.0063	mg/kg		<0.0063	mg/kg	<0.000000638 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
17		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.000000255 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
18		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.000000255 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
19		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0141	mg/kg		0.0141	mg/kg	0.00000141 %		
		602-052-00-5	204-079-4	115-29-7									
20		hexachlorocyclohexanes, including lindane				0.0063	mg/kg		0.0063	mg/kg	0.000000638 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
21		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000128 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
22		1,2,3-trichlorobenzene				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000128 %		<LOD
			201-757-1	87-61-6									
23		hexachlorobenzene				<0.0025	mg/kg		<0.0025	mg/kg	<0.000000255 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
										Total:	0.0227 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: Not enough CrVI to form chromates

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide (compound conc.: 0.00003%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%)
because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00527%)

Classification of sample: 3L6105HP[2]

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

Sample details

Sample name:
3L6105HP[2]
Sample Depth:
1 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

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

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.3	mg/kg	1.32	8.318	mg/kg	0.000832 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24.6	mg/kg	1.462	35.954	mg/kg	0.0036 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		0.2	mg/kg	1.923	0.385	mg/kg	0.0000385 %		
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.2	mg/kg	1.126	5.855	mg/kg	0.000585 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13.3	mg/kg	1.56	20.746	mg/kg	0.00133 %		
8		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**
9		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		34.5	mg/kg	2.774	95.708	mg/kg	0.00957 %		
10		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6	mg/kg	3.22	1.932	mg/kg	0.000193 %		
11		pH			PH		8.9	pH		8.9	pH	8.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		63.1	mg/kg		63.1	mg/kg	0.00631 %		
											Total:	0.0226 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: Not enough CrVI to form chromates

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide (compound conc.: 0.00003%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%)
because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00631%)

Classification of sample: 3L6106DS

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

Sample details

Sample name:
3L6106DS
Sample Depth:
0.2 m
Moisture content:
24.5%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 24.5% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.5	mg/kg	1.32	7.262	mg/kg	0.000726 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18.9	mg/kg	1.462	27.623	mg/kg	0.00276 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<LOD
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.4	mg/kg	1.126	4.954	mg/kg	0.000495 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.2	mg/kg	1.56	25.269	mg/kg	0.00162 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		6.2	mg/kg	2.976	18.453	mg/kg	0.00185 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		36.1	mg/kg	2.774	100.147	mg/kg	0.01 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.7	mg/kg	1.884	<1.319	mg/kg	<0.000132 %		<LOD
13	pH			PH		7	pH		7	pH	7pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<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							
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]									
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.7 mg/kg		<0.7 mg/kg	<0.00007 %		<**LOD**
16		pentachlorophenol									
		604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
17		benzene									
		601-020-00-8	200-753-7	71-43-2		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<**LOD**
18		toluene									
		601-021-00-3	203-625-9	108-88-3		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<**LOD**
19	●	ethylbenzene									
		601-023-00-4	202-849-4	100-41-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
20		naphthalene									
		601-052-00-2	202-049-5	91-20-3		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<**LOD**
21	●	acenaphthylene									
			205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	●	acenaphthene									
			201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	●	fluorene									
			201-695-5	86-73-7		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
24	●	phenanthrene									
			201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	●	anthracene									
			204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26	●	fluoranthene									
			205-912-4	206-44-0		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
27	●	pyrene									
			204-927-3	129-00-0		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
28		benzo[a]anthracene									
		601-033-00-9	200-280-6	56-55-3		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
29		chrysene									
		601-048-00-0	205-923-4	218-01-9		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
30		benzo[b]fluoranthene									
		601-034-00-4	205-911-9	205-99-2		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
31		benzo[k]fluoranthene									
		601-036-00-5	205-916-6	207-08-9		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
32		benzo[a]pyrene; benzo[def]chrysene									
		601-032-00-3	200-028-5	50-32-8		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
33	●	indeno[123-cd]pyrene									
			205-893-2	193-39-5		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
34		dibenz[a,h]anthracene									
		601-041-00-2	200-181-8	53-70-3		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
35	●	benzo[ghi]perylene									
			205-883-8	191-24-2		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
36	●	coronene									
			205-881-7	191-07-1		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
37	●	TPH (C6 to C40) petroleum group									
				TPH		<26.5 mg/kg		<26.5 mg/kg	<0.00265 %		<**LOD**
38		1,2,4-trimethylbenzene									
		601-043-00-3	202-436-9	95-63-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
39		cumene									
		601-024-00-X	202-704-5	98-82-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
40		styrene									
		601-026-00-0	202-851-5	100-42-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
41		vinyl chloride; chloroethylene									
		602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
42		1,1-dichloroethylene; vinylidene chloride									
		602-025-00-8	200-864-0	75-35-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**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							
43		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
45		2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7							
46		bromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5							
47		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
48		1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
49		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
50		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
51		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
52		1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
53		dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
54		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
55		trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6							
56		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
57		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
58		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
59		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
60		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
61		chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
62		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
63		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
64		trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
65		tetrachloroethylene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
66		pentachlorobenzene				<0.0013 mg/kg		<0.0013 mg/kg	<0.000000132 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
67		hexachlorobutadiene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3							
68		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
69		2,6-dinitrotoluene				<0.7 mg/kg		<0.7 mg/kg	<0.00007 %		<LOD
		609-049-00-8	210-106-0	606-20-2							

#		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									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
72		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
73		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
74		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
75		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
77		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
78		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
79		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
80		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
81		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
82		aldrin (ISO)				<0.0026	mg/kg		<0.0026	mg/kg	$<0.^{000000265}$ %		<LOD
		602-048-00-3	206-215-8	309-00-2									
83		dieldrin (ISO)				<0.0066	mg/kg		<0.0066	mg/kg	$<0.^{000000662}$ %		<LOD
		602-049-00-9	200-484-5	60-57-1									
84		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0026	mg/kg		<0.0026	mg/kg	$<0.^{000000265}$ %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
85		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0026	mg/kg		<0.0026	mg/kg	$<0.^{000000265}$ %		<LOD
		015-019-00-X	200-547-7	62-73-7									
86		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0145	mg/kg		0.0145	mg/kg	0.00000145 %		
		602-052-00-5	204-079-4	115-29-7									
87		hexachlorocyclohexanes, including lindane				0.0066	mg/kg		0.0066	mg/kg	$0.^{000000662}$ %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
88		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0013	mg/kg		<0.0013	mg/kg	$<0.^{000000132}$ %		<LOD
		602-043-00-6	200-401-2	58-89-9									
89		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
90		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
91		1,2,3-trichlorobenzene				<0.0013	mg/kg		<0.0013	mg/kg	$<0.^{000000132}$ %		<LOD
			201-757-1	87-61-6									
92		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
93		hexachlorobenzene				<0.0026	mg/kg		<0.0026	mg/kg	$<0.^{000000265}$ %		<LOD
		602-065-00-6	204-273-9	118-74-1									
94		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
										Total:	0.0211 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6106DS[2]

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

Sample details

Sample name:
3L6106DS[2]
Sample Depth:
1 m
Moisture content:
18.6%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.8	mg/kg	1.32	11.619	mg/kg	0.00116 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19.5	mg/kg	1.462	28.5	mg/kg	0.00285 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8.4	mg/kg	1.126	9.457	mg/kg	0.000946 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	20.4	mg/kg	1.56	31.82	mg/kg	0.00204 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		11.8	mg/kg	2.976	35.12	mg/kg	0.00351 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		43.7	mg/kg	2.774	121.23	mg/kg	0.0121 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<**LOD**
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.6	mg/kg	1.884	<1.13	mg/kg	<0.000113 %		<**LOD**
13	pH			PH		9	pH		9	pH	9pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**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							
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
16		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
17		benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		naphthalene				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
21		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
22		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
23		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7							
24		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
25		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
26		fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0							
27		pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0							
28		benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
29		chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
30		benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
31		benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
32		benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
33		indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35		benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2							
36		coronene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1							
37		TPH (C6 to C40) petroleum group				62.3 mg/kg		62.3 mg/kg	0.00623 %		
				TPH							
38		1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
39		cumene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8							
40		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
41		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
42		1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4							

#		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									
43		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
45		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
46		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
47		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
48		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
49		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
50		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
54		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
55		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
56		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
57		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
58		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
59		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
60		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
61		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
62		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
63		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
64		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
65		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
66		pentachlorobenzene				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000123 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
67		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
68		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
69		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		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									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
72		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
73		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
74		chloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
75		chloromethane; methyl chloride				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
77		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
78		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
79		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
80		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
81		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
82		aldrin (ISO)				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000246 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
83		dieldrin (ISO)				<0.0061	mg/kg		<0.0061	mg/kg	<0.000000614 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
84		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000246 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
85		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000246 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
86		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0135	mg/kg		0.0135	mg/kg	0.00000135 %		
		602-052-00-5	204-079-4	115-29-7									
87		hexachlorocyclohexanes, including lindane				0.0061	mg/kg		0.0061	mg/kg	0.000000615 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
88		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000123 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
89		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
90		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
91		1,2,3-trichlorobenzene				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000123 %		<LOD
			201-757-1	87-61-6									
92		1,2,4-trichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
93		hexachlorobenzene				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000246 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
94		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
										Total:	0.0298 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00623%)

Classification of sample: 3L6106DS[3]

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

Sample details

Sample name:
3L6106DS[3]
Sample Depth:
3.5 m
Moisture content:
18.1%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18.1% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.4	mg/kg	1.32	13.731	mg/kg	0.00137 %		
2		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31.8	mg/kg	1.462	46.477	mg/kg	0.00465 %		
4		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<LOD
5		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
6		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.9	mg/kg	1.126	21.279	mg/kg	0.00213 %		
7		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.1	mg/kg	1.56	23.553	mg/kg	0.00151 %		
8		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
9		nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		30.8	mg/kg	2.976	91.669	mg/kg	0.00917 %		
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		66.3	mg/kg	2.774	183.926	mg/kg	0.0184 %		
11		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.4	mg/kg	3.22	4.508	mg/kg	0.000451 %		
12		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.6	mg/kg	1.884	<1.13	mg/kg	<0.000113 %		<LOD
13		pH			PH		7.8	pH		7.8	pH	7.8 pH		
14		phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<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							
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]									
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
16		pentachlorophenol									
		604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17		benzene									
		601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
18		toluene									
		601-021-00-3	203-625-9	108-88-3		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
19		ethylbenzene									
		601-023-00-4	202-849-4	100-41-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
20		naphthalene									
		601-052-00-2	202-049-5	91-20-3		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
21		acenaphthylene									
			205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22		acenaphthene									
			201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23		fluorene									
			201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24		phenanthrene									
			201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25		anthracene									
			204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26		fluoranthene									
			205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27		pyrene									
			204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28		benzo[a]anthracene									
		601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29		chrysene									
		601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30		benzo[b]fluoranthene									
		601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31		benzo[k]fluoranthene									
		601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32		benzo[a]pyrene; benzo[def]chrysene									
		601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33		indeno[123-cd]pyrene									
			205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34		dibenz[a,h]anthracene									
		601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35		benzo[ghi]perylene									
			205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
36		coronene									
			205-881-7	191-07-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
37		TPH (C6 to C40) petroleum group									
				TPH		<24.4 mg/kg		<24.4 mg/kg	<0.00244 %		<LOD
38		1,2,4-trimethylbenzene									
		601-043-00-3	202-436-9	95-63-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39		cumene									
		601-024-00-X	202-704-5	98-82-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40		styrene									
		601-026-00-0	202-851-5	100-42-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41		vinyl chloride; chloroethylene									
		602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
42		1,1-dichloroethylene; vinylidene chloride									
		602-025-00-8	200-864-0	75-35-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<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							
43		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3							
45		2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			209-832-0	594-20-7							
46		bromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			200-826-3	74-97-5							
47		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-006-00-4	200-663-8	67-66-3							
48		1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-013-00-2	200-756-3	71-55-6							
49		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-008-00-5	200-262-8	56-23-5							
50		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-031-00-0	209-253-3	563-58-6							
51		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-012-00-7	203-458-1	107-06-2							
52		1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-020-00-0	201-152-2	78-87-5							
53		dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-003-00-8	200-824-2	74-95-3							
54		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			200-856-7	75-27-4							
55		trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			431-460-4	10061-02-6							
56		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
57		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-014-00-8	201-166-9	79-00-5							
58		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			205-531-3	142-28-9							
59		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			204-704-0	124-48-1							
60		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-010-00-6	203-444-5	106-93-4							
61		chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7							
62		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-015-00-3	201-197-8	79-34-5							
63		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			211-135-1	630-20-6							
64		trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-027-00-9	201-167-4	79-01-6							
65		tetrachloroethylene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4							
66		pentachlorobenzene				<0.0012 mg/kg		<0.0012 mg/kg	<0.000000122 %		<**LOD**
		602-074-00-5	210-172-0	608-93-5							
67		hexachlorobutadiene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
			201-765-5	87-68-3							
68		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
69		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2							

#		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									
70		2-chloronaphthalene											
			202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
71		biphenyl; diphenyl											
		601-042-00-8	202-163-5	92-52-4		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
72		bromobenzene											
		602-060-00-9	203-623-8	108-86-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
73		bromoform; tribromomethane											
		602-007-00-X	200-854-6	75-25-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
74		chloroethane											
		602-009-00-0	200-830-5	75-00-3		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
75		chloromethane; methyl chloride											
		602-001-00-7	200-817-4	74-87-3		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
77		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP											
		607-317-00-9	204-211-0	117-81-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
78		BBP; benzyl butyl phthalate											
		607-430-00-3	201-622-7	85-68-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
79		diethyl phthalate											
			201-550-6	84-66-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
80		dibutyl phthalate; DBP											
		607-318-00-4	201-557-4	84-74-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
81		di-n-octyl phthalate											
			204-214-7	117-84-0		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
82		aldrin (ISO)											
		602-048-00-3	206-215-8	309-00-2		<0.0024	mg/kg		<0.0024	mg/kg	<0.000000244 %		<LOD
83		dieldrin (ISO)											
		602-049-00-9	200-484-5	60-57-1		<0.0061	mg/kg		<0.0061	mg/kg	<0.000000611 %		<LOD
84		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine											
		613-068-00-7	217-617-8	1912-24-9		<0.0024	mg/kg		<0.0024	mg/kg	<0.000000244 %		<LOD
85		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate											
		015-019-00-X	200-547-7	62-73-7		<0.0024	mg/kg		<0.0024	mg/kg	<0.000000244 %		<LOD
86		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite											
		602-052-00-5	204-079-4	115-29-7		0.0134	mg/kg		0.0134	mg/kg	0.00000134 %		
87		hexachlorocyclohexanes, including lindane											
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1		0.0061	mg/kg		0.0061	mg/kg	0.00000061 %		
88		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane											
		602-043-00-6	200-401-2	58-89-9		<0.0012	mg/kg		<0.0012	mg/kg	<0.000000122 %		<LOD
89		1,2-dichlorobenzene; o-dichlorobenzene											
		602-034-00-7	202-425-9	95-50-1		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
90		1,4-dichlorobenzene; p-dichlorobenzene											
		602-035-00-2	203-400-5	106-46-7		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
91		1,2,3-trichlorobenzene											
			201-757-1	87-61-6		<0.0012	mg/kg		<0.0012	mg/kg	<0.000000122 %		<LOD
92		1,2,4-trichlorobenzene											
		602-087-00-6	204-428-0	120-82-1		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
93		hexachlorobenzene											
		602-065-00-6	204-273-9	118-74-1		<0.0024	mg/kg		<0.0024	mg/kg	<0.000000244 %		<LOD
94		hexachloroethane											
			200-666-4	67-72-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
										Total:	0.0408 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: 3L6107DS

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

Sample details

Sample name:
3L6107DS
Sample Depth:
0.15 m
Moisture content:
24.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 24.7% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.9 mg/kg	1.32	9.11 mg/kg	0.000911 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17.7 mg/kg	1.462	25.87 mg/kg	0.00259 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5 mg/kg	1.126	5.629 mg/kg	0.000563 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	17.5 mg/kg	1.56	27.297 mg/kg	0.00175 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		6.7 mg/kg	2.976	19.941 mg/kg	0.00199 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		41 mg/kg	2.774	113.74 mg/kg	0.0114 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.7 mg/kg	1.884	<1.319 mg/kg	<0.000132 %		<**LOD**
13	pH			PH		6.9 pH		6.9 pH	6.9 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**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							
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]									
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.7 mg/kg		<0.7 mg/kg	<0.00007 %		<**LOD**
16		pentachlorophenol									
		604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
17		benzene									
		601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18		toluene									
		601-021-00-3	203-625-9	108-88-3		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<**LOD**
19		ethylbenzene									
		601-023-00-4	202-849-4	100-41-4		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<**LOD**
20		naphthalene									
		601-052-00-2	202-049-5	91-20-3		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<**LOD**
21		acenaphthylene									
			205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22		acenaphthene									
			201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23		fluorene									
			201-695-5	86-73-7		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
24		phenanthrene									
			201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25		anthracene									
			204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26		fluoranthene									
			205-912-4	206-44-0		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
27		pyrene									
			204-927-3	129-00-0		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
28		benzo[a]anthracene									
		601-033-00-9	200-280-6	56-55-3		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
29		chrysene									
		601-048-00-0	205-923-4	218-01-9		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
30		benzo[b]fluoranthene									
		601-034-00-4	205-911-9	205-99-2		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
31		benzo[k]fluoranthene									
		601-036-00-5	205-916-6	207-08-9		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
32		benzo[a]pyrene; benzo[def]chrysene									
		601-032-00-3	200-028-5	50-32-8		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
33		indeno[123-cd]pyrene									
			205-893-2	193-39-5		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
34		dibenz[a,h]anthracene									
		601-041-00-2	200-181-8	53-70-3		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
35		benzo[ghi]perylene									
			205-883-8	191-24-2		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
36		coronene									
			205-881-7	191-07-1		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<**LOD**
37		TPH (C6 to C40) petroleum group									
				TPH		<26.6 mg/kg		<26.6 mg/kg	<0.00266 %		<**LOD**
38		1,2,4-trimethylbenzene									
		601-043-00-3	202-436-9	95-63-6		0.005 mg/kg		0.005 mg/kg	0.0000005 %		
39		cumene									
		601-024-00-X	202-704-5	98-82-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
40		styrene									
		601-026-00-0	202-851-5	100-42-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
41		vinyl chloride; chloroethylene									
		602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
42		1,1-dichloroethylene; vinylidene chloride									
		602-025-00-8	200-864-0	75-35-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**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									
43		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
44	●	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
45	●	2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
46	●	bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
47		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
48		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
49		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
50		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
54	●	bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
55	●	trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
56		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
57		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
58	●	1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
59	●	dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
60		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
61		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
62		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
63	●	1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
64		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
65		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
66		pentachlorobenzene				<0.0013	mg/kg		<0.0013	mg/kg	<0.000000133 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
67	●	hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
68		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
69		2,6-dinitrotoluene				<0.7	mg/kg		<0.7	mg/kg	<0.00007 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		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							
70		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
71		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
72		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
73		bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
74		chloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
75		chloromethane; methyl chloride				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3							
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
77		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
78		BBP; benzyl butyl phthalate				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
79		diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2							
80		dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
81		di-n-octyl phthalate				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0							
82		aldrin (ISO)				<0.0026 mg/kg		<0.0026 mg/kg	<0.000000266 %		<LOD
		602-048-00-3	206-215-8	309-00-2							
83		dieldrin (ISO)				<0.0066 mg/kg		<0.0066 mg/kg	<0.000000664 %		<LOD
		602-049-00-9	200-484-5	60-57-1							
84		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0026 mg/kg		<0.0026 mg/kg	<0.000000266 %		<LOD
		613-068-00-7	217-617-8	1912-24-9							
85		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0026 mg/kg		<0.0026 mg/kg	<0.000000266 %		<LOD
		015-019-00-X	200-547-7	62-73-7							
86		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0146 mg/kg		0.0146 mg/kg	0.00000146 %		
		602-052-00-5	204-079-4	115-29-7							
87		hexachlorocyclohexanes, including lindane				0.0066 mg/kg		0.0066 mg/kg	0.000000665 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1							
88		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0013 mg/kg		<0.0013 mg/kg	<0.000000133 %		<LOD
		602-043-00-6	200-401-2	58-89-9							
89		1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
90		1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
91		1,2,3-trichlorobenzene				<0.0013 mg/kg		<0.0013 mg/kg	<0.000000133 %		<LOD
			201-757-1	87-61-6							
92		1,2,4-trichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
93		hexachlorobenzene				<0.0026 mg/kg		<0.0026 mg/kg	<0.000000266 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
94		hexachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1							
								Total:	0.0229 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

1,2,4-trimethylbenzene (conc.: 5.0e-07%)

Classification of sample: 3L6107DS[2]

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

Sample details

Sample name:
3L6107DS[2]
Sample Depth:
1 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.8	mg/kg	1.32	10.299	mg/kg	0.00103 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30.2	mg/kg	1.462	44.139	mg/kg	0.00441 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<LOD
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11.8	mg/kg	1.126	13.285	mg/kg	0.00133 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	11.4	mg/kg	1.56	17.782	mg/kg	0.00114 %		
8	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
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		14.9	mg/kg	2.976	44.346	mg/kg	0.00443 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		46	mg/kg	2.774	127.611	mg/kg	0.0128 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.6	mg/kg	1.884	<1.13	mg/kg	<0.000113 %		<LOD
13	pH			PH		7.1	pH		7.1	pH	7.1 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<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									
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
16		pentachlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
17		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		naphthalene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2									
36		coronene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1									
37		TPH (C6 to C40) petroleum group				71.8	mg/kg		71.8	mg/kg	0.00718 %		
				TPH									
38		1,2,4-trimethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
39		cumene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
40		styrene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
42		1,1-dichloroethylene; vinylidene chloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4									

#		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							
43		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
45		2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7							
46		bromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5							
47		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
48		1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
49		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
50		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
51		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
52		1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
53		dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
54		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4							
55		trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6							
56		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
57		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
58		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9							
59		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1							
60		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
61		chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
62		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
63		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6							
64		trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
65		tetrachloroethylene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
66		pentachlorobenzene				<0.0012 mg/kg		<0.0012 mg/kg	<0.000000125 %		<LOD
		602-074-00-5	210-172-0	608-93-5							
67		hexachlorobutadiene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			201-765-5	87-68-3							
68		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
69		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2							

#		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									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
72		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
73		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
74		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
75		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
77		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
78		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
79		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
80		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
81		di-n-octyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			204-214-7	117-84-0									
82		aldrin (ISO)				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
83		dieldrin (ISO)				<0.0062	mg/kg		<0.0062	mg/kg	<0.000000625 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
84		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
85		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
86		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0137	mg/kg		0.0137	mg/kg	0.00000137 %		
		602-052-00-5	204-079-4	115-29-7									
87		hexachlorocyclohexanes, including lindane				0.0062	mg/kg		0.0062	mg/kg	0.000000625 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
88		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000125 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
89		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
90		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
91		1,2,3-trichlorobenzene				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000125 %		<LOD
			201-757-1	87-61-6									
92		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
93		hexachlorobenzene				<0.0025	mg/kg		<0.0025	mg/kg	<0.00000025 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
94		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
										Total:	0.0332 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00718%)

Classification of sample: 3L6107DS[3]

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

Sample details

Sample name:
3L6107DS[3]
Sample Depth:
1.6 m
Moisture content:
18%
(no correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9 mg/kg	1.32	11.883 mg/kg	0.00119 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<**LOD**
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30.7 mg/kg	1.462	44.87 mg/kg	0.00449 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1 mg/kg	1.923	<0.192 mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14.8 mg/kg	1.126	16.663 mg/kg	0.00167 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.6 mg/kg	1.56	24.333 mg/kg	0.00156 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		29.7 mg/kg	2.976	88.395 mg/kg	0.00884 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		59.5 mg/kg	2.774	165.062 mg/kg	0.0165 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<**LOD**
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.6 mg/kg	1.884	<1.13 mg/kg	<0.000113 %		<**LOD**
13	pH			PH		9.2 pH		9.2 pH	9.2 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**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							
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
16		pentachlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		604-002-00-8	201-778-6	87-86-5							
17		benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19		ethylbenzene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		naphthalene				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
21		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-917-1	208-96-8							
22		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-469-6	83-32-9							
23		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-695-5	86-73-7							
24		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-581-5	85-01-8							
25		anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-371-1	120-12-7							
26		fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-912-4	206-44-0							
27		pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			204-927-3	129-00-0							
28		benzo[a]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
29		chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
30		benzo[b]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
31		benzo[k]fluoranthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
32		benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
33		indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35		benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-883-8	191-24-2							
36		coronene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			205-881-7	191-07-1							
37		TPH (C6 to C40) petroleum group				33.9 mg/kg		33.9 mg/kg	0.00339 %		
				TPH							
38		1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
39		cumene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-024-00-X	202-704-5	98-82-8							
40		styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		601-026-00-0	202-851-5	100-42-5							
41		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
42		1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-025-00-8	200-864-0	75-35-4							

#		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									
43		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
45		2,2-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			209-832-0	594-20-7									
46		bromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-826-3	74-97-5									
47		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
48		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
49		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
50		1,1-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
51		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
52		1,2-dichloropropane; propylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
53		dibromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
54		bromodichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			200-856-7	75-27-4									
55		trans-1,3-dichloropropene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			431-460-4	10061-02-6									
56		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
57		1,1,2-trichloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
58		1,3-dichloropropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			205-531-3	142-28-9									
59		dibromochloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			204-704-0	124-48-1									
60		1,2-dibromoethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
61		chlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
62		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
63		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
64		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
65		tetrachloroethylene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
66		pentachlorobenzene				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000122 %		<LOD
		602-074-00-5	210-172-0	608-93-5									
67		hexachlorobutadiene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			201-765-5	87-68-3									
68		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
69		2,6-dinitrotoluene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		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							
70		2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7							
71		biphenyl; diphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4							
72		bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
73		bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
74		chloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
75		chloromethane; methyl chloride				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-001-00-7	200-817-4	74-87-3							
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
77		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7							
78		BBP; benzyl butyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7							
79		diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2							
80		dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2							
81		di-n-octyl phthalate				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0							
82		aldrin (ISO)				<0.0024 mg/kg		<0.0024 mg/kg	<0.000000244 %		<LOD
		602-048-00-3	206-215-8	309-00-2							
83		dieldrin (ISO)				<0.0061 mg/kg		<0.0061 mg/kg	<0.00000061 %		<LOD
		602-049-00-9	200-484-5	60-57-1							
84		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0024 mg/kg		<0.0024 mg/kg	<0.000000244 %		<LOD
		613-068-00-7	217-617-8	1912-24-9							
85		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0024 mg/kg		<0.0024 mg/kg	<0.000000244 %		<LOD
		015-019-00-X	200-547-7	62-73-7							
86		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0134 mg/kg		0.0134 mg/kg	0.00000134 %		
		602-052-00-5	204-079-4	115-29-7							
87		hexachlorocyclohexanes, including lindane				0.0061 mg/kg		0.0061 mg/kg	0.00000061 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1							
88		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0012 mg/kg		<0.0012 mg/kg	<0.000000122 %		<LOD
		602-043-00-6	200-401-2	58-89-9							
89		1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
90		1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
91		1,2,3-trichlorobenzene				<0.0012 mg/kg		<0.0012 mg/kg	<0.000000122 %		<LOD
			201-757-1	87-61-6							
92		1,2,4-trichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
93		hexachlorobenzene				<0.0024 mg/kg		<0.0024 mg/kg	<0.000000244 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
94		hexachloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1							
								Total:	0.0385 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No liquid phase present. Insufficient concentration to produce a liquid phase. Substances contained in soil matrix includes a moisture content between 12.6% to 52.4%, reducing the risk of flammability.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00339%)

Classification of sample: 3L6107DS[4]

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

Sample details

Sample name:
3L6107DS[4]
Sample Depth:
5.6 m
Moisture content:
17.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17.6% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.9	mg/kg	1.32	15.712	mg/kg	0.00157 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34.8	mg/kg	1.462	50.862	mg/kg	0.00509 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.1	mg/kg	1.923	<0.192	mg/kg	<0.0000192 %		<**LOD**
5	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20.1	mg/kg	1.126	22.63	mg/kg	0.00226 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15.4	mg/kg	1.56	24.021	mg/kg	0.00154 %		
8	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**
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		40.6	mg/kg	2.976	120.836	mg/kg	0.0121 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		74.6	mg/kg	2.774	206.951	mg/kg	0.0207 %		
11	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.9	mg/kg	3.22	9.338	mg/kg	0.000934 %		
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.6	mg/kg	1.884	<1.13	mg/kg	<0.000113 %		<**LOD**
13	pH			PH		8.9	pH		8.9	pH	8.9 pH		
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**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							
15		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]									
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<**LOD**
16		pentachlorophenol									
		604-002-00-8	201-778-6	87-86-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
17		benzene									
		601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
18		toluene									
		601-021-00-3	203-625-9	108-88-3		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<**LOD**
19	●	ethylbenzene									
		601-023-00-4	202-849-4	100-41-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
20		naphthalene									
		601-052-00-2	202-049-5	91-20-3		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<**LOD**
21	●	acenaphthylene									
			205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
22	●	acenaphthene									
			201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
23	●	fluorene									
			201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
24	●	phenanthrene									
			201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
25	●	anthracene									
			204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
26	●	fluoranthene									
			205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
27	●	pyrene									
			204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
28		benzo[a]anthracene									
		601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
29		chrysene									
		601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
30		benzo[b]fluoranthene									
		601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
31		benzo[k]fluoranthene									
		601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
32		benzo[a]pyrene; benzo[def]chrysene									
		601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
33	●	indeno[123-cd]pyrene									
			205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
34		dibenz[a,h]anthracene									
		601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
35	●	benzo[ghi]perylene									
			205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
36	●	coronene									
			205-881-7	191-07-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
37	●	TPH (C6 to C40) petroleum group									
				TPH		<24.3 mg/kg		<24.3 mg/kg	<0.00243 %		<**LOD**
38		1,2,4-trimethylbenzene									
		601-043-00-3	202-436-9	95-63-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
39		cumene									
		601-024-00-X	202-704-5	98-82-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
40		styrene									
		601-026-00-0	202-851-5	100-42-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
41		vinyl chloride; chloroethylene									
		602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
42		1,1-dichloroethylene; vinylidene chloride									
		602-025-00-8	200-864-0	75-35-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**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							
43		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
44		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3							
45		2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			209-832-0	594-20-7							
46		bromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			200-826-3	74-97-5							
47		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-006-00-4	200-663-8	67-66-3							
48		1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-013-00-2	200-756-3	71-55-6							
49		carbon tetrachloride; tetrachloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-008-00-5	200-262-8	56-23-5							
50		1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-031-00-0	209-253-3	563-58-6							
51		1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-012-00-7	203-458-1	107-06-2							
52		1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-020-00-0	201-152-2	78-87-5							
53		dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-003-00-8	200-824-2	74-95-3							
54		bromodichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			200-856-7	75-27-4							
55		trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			431-460-4	10061-02-6							
56		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
57		1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-014-00-8	201-166-9	79-00-5							
58		1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			205-531-3	142-28-9							
59		dibromochloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			204-704-0	124-48-1							
60		1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-010-00-6	203-444-5	106-93-4							
61		chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7							
62		1,1,2,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-015-00-3	201-197-8	79-34-5							
63		1,1,1,2-tetrachloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
			211-135-1	630-20-6							
64		trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<**LOD**
		602-027-00-9	201-167-4	79-01-6							
65		tetrachloroethylene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<**LOD**
		602-028-00-4	204-825-9	127-18-4							
66		pentachlorobenzene				<0.0012 mg/kg		<0.0012 mg/kg	<0.000000121 %		<**LOD**
		602-074-00-5	210-172-0	608-93-5							
67		hexachlorobutadiene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<**LOD**
			201-765-5	87-68-3							
68		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
69		2,6-dinitrotoluene				<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2							

#		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									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		biphenyl; diphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-042-00-8	202-163-5	92-52-4									
72		bromobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
73		bromoform; tribromomethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
74		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
75		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
76		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
77		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
78		BBP; benzyl butyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
79		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
80		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
81		di-n-octyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			204-214-7	117-84-0									
82		aldrin (ISO)				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000243 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
83		dieldrin (ISO)				<0.006	mg/kg		<0.006	mg/kg	<0.000000607 %		<LOD
		602-049-00-9	200-484-5	60-57-1									
84		atrazine (ISO); 2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000243 %		<LOD
		613-068-00-7	217-617-8	1912-24-9									
85		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000243 %		<LOD
		015-019-00-X	200-547-7	62-73-7									
86		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				0.0133	mg/kg		0.0133	mg/kg	0.00000133 %		
		602-052-00-5	204-079-4	115-29-7									
87		hexachlorocyclohexanes, including lindane				0.006	mg/kg		0.006	mg/kg	0.000000607 %		
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
88		lindane (ISO); g-HCH or g-BHC; g-1,2,3,4,5,6-hexachlorocyclohexane				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000121 %		<LOD
		602-043-00-6	200-401-2	58-89-9									
89		1,2-dichlorobenzene; o-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
90		1,4-dichlorobenzene; p-dichlorobenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
91		1,2,3-trichlorobenzene				<0.0012	mg/kg		<0.0012	mg/kg	<0.000000121 %		<LOD
			201-757-1	87-61-6									
92		1,2,4-trichlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
93		hexachlorobenzene				<0.0024	mg/kg		<0.0024	mg/kg	<0.000000243 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
94		hexachloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			200-666-4	67-72-1									
										Total:	0.0473 %		

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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database
Data source: [redacted]
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

- **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

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

Description/Comments: Data from C&L Inventory Database
Data source: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
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: [redacted]
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

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

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

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

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

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

- **bromochloromethane** (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

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

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

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

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

di-n-octyl phthalate (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: [redacted]
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

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.

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. 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.

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

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

chromium in chromium(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.

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.

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. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight.

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight.

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight.

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)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight.

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

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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2024.331.6361.11659 (26 Nov 2024)
HazWasteOnline Database: 2024.331.6361.11659 (26 Nov 2024)

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

Appendix F: Gas Monitoring Results

Table F1: Ground Gas Monitoring Results Summary for 2L6002SA

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
20 April 2023	<0.1	0.1	21.3	<1	<1	0.1	<0.1
12 May 2023	<0.1	<0.1	20.8	<1	<1	<0.1	<0.1
24 May 2023	<0.1	<0.1	21.1	1	1	<0.1	-1.3
19 June 2023	<0.1	2.2	16.6	<1	1	0.3	<0.1
18 July 2023	<0.1	3.6	17.4	<1	1	0.3	<0.1
15 August 2023	<0.1	4.3	13.1	<1	<1	0.6	<0.1
13 September 2023	<0.1	4.2	16	<1	1	0.1	<0.1

Notes:
CH_4 - Methane, CO_2 – Carbon Dioxide, O_2 – Oxygen, CO – Carbon Monoxide, H_2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds.
ppmv - Part per Million Volume

Table F2: Ground Gas Monitoring Results Summary for 2L6003SA

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
20 April 2023	<0.1	<0.1	21.1	<1	1	<0.1	<0.1
12 May 2023	<0.1	<0.1	21	<1	<1	<0.1	<0.1
24 May 2023	<0.1	<0.1	21	1	<1	<0.1	-0.1
19 June 2023	<0.1	<0.1	20.7	2	<1	<0.1	<0.1
15 August 2023	<0.1	1.3	15.7	<1	1	0.8	<0.1
13 September 2023	<0.1	1.2	18.4	<1	<1	0.1	<0.1

Notes:
CH_4 - Methane, CO_2 – Carbon Dioxide, O_2 – Oxygen, CO – Carbon Monoxide, H_2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds.
ppmv - Part per Million Volume

Table F3: Ground Gas Monitoring Results Summary for 2L6005SA

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
20 April 2023	<0.1	<0.1	21.8	<1	<1	<0.1	<0.1
12 May 2023	<0.1	-	-	<1	<1	<0.1	<0.1
24 May 2023	<0.1	<0.1	21.7	1	<1	<0.1	<0.1
19 June 2023	<0.1	0.3	21.2	2	<1	0.1	<0.1
18 July 2023	<0.1	3.9	16.6	1	1	0.4	-20.4
15 August 2023	0.1	4.1	16	<1	<1	1.3	<0.1
13 September 2023	<0.1	5.9	13.4	<1	<1	0.4	<0.1

Notes:
CH4 - Methane, CO2 – Carbon Dioxide, O2 – Oxygen, CO – Carbon Monoxide, H2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds.
ppmv - Part per Million Volume. – Result missing.

Table F4: Ground Gas Monitoring Results Summary for 2L6008DR (Shallow)

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
10 May 2023	<0.1	<0.1	20.7	<1	<1	<0.1	<0.1
24 May 2023	<0.1	0.1	20.6	2	<1	0.4	<0.1
20 June 2023	<0.1	0.3	20.8	2	<1	1.2	0.2
20 July 2023	<0.1	0.2	19.7	2	1	1.2	0.4
16 August 2023	<0.1	0.1	21.4	1	<1	0.2	1.1
13 September 2023	<0.1	0.3	20.7	1	<1	0.5	-0.4
11 October 2023	0.1	0.2	20.6	<1	<1	0.3	-1.1
14 November 2023	0.1	2.3	17.6	<1	<1	<0.1	-8.4
09 January 2024	0.1	3.7	14.6	Not recorded	<1	0.4	-2.5

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
09 February	0.2	0.1	21.3	<1	<1	<0.1	0.6
07 March 2024	0.2	2.6	16.7	<1	<1	<0.1	-3.5
04 April 2024	<0.1	<0.1	<0.1	<1	<1	<0.1	12.4

Notes:
CH4 - Methane, CO2 – Carbon Dioxide, O2 – Oxygen, CO – Carbon Monoxide, H2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds.
ppmv - Part per Million Volume

Table F5: Ground Gas Monitoring Results Summary for 2L6009DR

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
18 April 2023	<0.1	0.1	20.4	<1	<1	<0.1	0.1
10 May 2023	<0.1	<0.1	20.6	1	1	<0.1	<0.1
24 May 2023	<0.1	0.4	21.1	5	<1	0.2	-1.1
20 June 2023	<0.1	0.6	21	7	<1	0.7	-1.8
20 July 2023	<0.1	0.4	20.6	2	<1	1.2	<0.1
16 August 2023	<0.1	0.1	20.4	2	1	1.3	<0.1
14 September 2023	<0.1	0.2	20.3	1	1	0.4	<0.1
11 October 2023	0.1	0.6	20.4	<1	1	<0.1	-0.6
14 November 2023	0.1	0.6	20.4	<1	<1	<0.1	-0.1

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
12 December 2023	0.1	0.4	21.6	<1	<1	<0.1	-0.9
09 January 2024	0.1	0.8	21.1	<1	<1	0.2	-1.7
09 February 2024	0.2	0.2	21.1	<1	<1	<0.1	-0.2
07 March 2024	0.2	0.7	20	<1	<1	<0.1	-0.1
04 April 2024	<0.1	<0.1	19.7	<0.1	<10	<0.1	0

Notes:
CH4 - Methane, CO2 – Carbon Dioxide, O2 – Oxygen, CO – Carbon Monoxide, H2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds. ppmv - Part per Million Volume

Table F6: Ground Gas Monitoring Results Summary for 2L6010DR (Shallow)

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
18 April 2023	<0.1	0.1	21.1	1	<1	0.2	<0.1
10 May 2023	<0.1	0.1	20.9	<1	<1	<0.1	<0.1
24 May 2023	<0.1	0.5	20.6	6	<1	<0.1	<0.1
20 June 2023	<0.1	0.2	21.6	1	<1	0.4	-3.7
20 July 2023	<0.1	0.1	19.8	1	1	0.6	0.1
16 August 2023	<0.1	0.2	20.9	1	<1	0.6	Not recorded
14 September 2023	<0.1	0.2	20.2	<1	1	0.2	<0.1
10 October 2023	<0.1	0.2	20.7	<1	<1	<0.1	<0.1
14 November 2023	0.1	0.5	20.6	<1	<1	<0.1	-2.7
12 December 2023	0.1	0.7	21.3	<1	<1	<0.1	<0.1

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
09 January 2024	0.1	1.2	21.1	<1	<1	0.2	-2.9
09 February 2024	0.2	0.8	19.8	<1	<1	<0.1	--5.9
07 March 2024	0.2	0.9	19.8	<1	<1	<0.1	-4.8
04 April 2024	<0.1	<0.1	19.7	<1	<10	<0.1	0

Notes:
CH4 - Methane, CO2 – Carbon Dioxide, O2 – Oxygen, CO – Carbon Monoxide, H2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds.
ppmv - Part per Million Volume

Table F7: Ground Gas Monitoring Results Summary for 2L6011SR (Shallow)

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
26 April 2023	0.1	0.1	21.1	<1	<1	-	-
25 May 2023	<0.1	1.6	5.7	2	<1	0.3	4.3
20 June 2023	<0.1	1.5	19	5	<1	0.6	-12.3
19 July 2023	<0.1	1.4	18.3	4	1	0.3	-6
16 August 2023	<0.1	1	18.5	26	1	0.7	-0.3
14 September 2023	0.1	0.8	18.7	3	<1	0.3	-4.2
12 October 2023	0.5	5.1	0.1	<1	<1	2.1	8
14 November 2023	0.2	5	0.4	1	<1	<0.1	0.1
12 December 2023	0.1	3.6	12.3	2	<1	2.9	-5.6

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
11 January 2024	0.1	2.1	19.8	3	<1	0.5	-0.2
09 February 2024	0.2	0.6	21	42	<1	<0.1	-7.3

Notes:CH4 - Methane, CO2 – Carbon Dioxide, O2 – Oxygen, CO – Carbon Monoxide, H2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds.
ppmv - Part per Million Volume, – Result Missing

Table F8.0: Ground Gas Monitoring Results Summary for 2L6012SR

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
21 April 2023	<0.1	0.2	17.6	1	<1	<0.1	0.2
25 May 2023	<0.1	<0.1	21.3	1	1	<0.1	<0.1
20 June 2023	<0.1	0.3	20.6	6	<1	<0.1	-7.2
18 July 2023	<0.1	0.4	19.9	3	<1	0.4	-4.2
16 August 2023	<0.1	1.5	18.1	<1	1	0.8	1.1
14 September 2023	<0.1	1.4	18.2	2	1	0.7	3.6
10 October 2023	<0.1	0.2	20.7	<1	<1	<0.1	<0.1
14 November 2023	Position Flooded						
09 February 2024	Position Flooded						

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
07 March 2024	Not recorded						<0.1

Notes:
CH4 - Methane, CO2 – Carbon Dioxide, O2 – Oxygen, CO – Carbon Monoxide, H2S – Hydrogen Sulphide, VOC – Volatile Organic Compounds.
ppmv - Part per Million Volume

Table F9.0: Ground Gas Monitoring Results Summary for 3L6106DS

Monitoring Date	Peak Gas Concentrations (minimum for Oxygen)						Max Gas Flow Rate (pk) l/hr
	CH_4 %vol	CO_2 %vol	O_2 %vol	CO ppm	H_2S ppm	VOC ppmv	
16 May 2024	<0.1	<0.1	20.5	0	<10	1	0
29 May 2024	<0.1	<0.1	21.1	0	<10	None recorded	0
19 June 2024	<0.1	0.1	20.6	0	<10	0	0
03 July 2024	<0.1	0.8	19.8	0	<10	None recorded	-0.1
16 July 2024	1.3	0.2	20.5	0	<10	0	0
29 July 2024	<0.1	1.4	18.9	0	<10	<0.1	0

Appendix G: Guidance for the assessment of Land Contamination

Selection of Soil Assessment Criteria Protective of Human Health

Generic Assessment Criteria (GAC)

To evaluate potential risks to human health receptors, including future Site users, the soil analytical results have been assessed against the following Generic Assessment Criteria (GAC):

- Suitable for Use Values (S4ULs) for commercial land use (Nathanail et al, 2015) adopting a 1% soil organic matter (SOM) value.
- Lead was compared against the Defra Category 4 Screening Level (C4SL) for commercial end use, (Defra, 2014) because a S4UL for lead has not been published, also adopting a 1% SOM value.
- Cyanide (free) was compared to the Society of Brownfield Risk Assessment (SoBRA) Acute Generic Risk Assessment criteria for assessing risks to human health from contaminants in soil (Society of Brownfield Risk Assessment (SoBRA), 2020) since there are currently no C4SLs or S4ULs for cyanide. The assessment criteria used evaluates potential for acute harm to a child by inhalation of free cyanide. This is a conservative assessment criterion used as generic assessment criteria as allows the criteria to be adjusted if the site-specific conditions are suitable.

The GAC for a Commercial/industrial end-use have been selected as these are considered to be the most appropriate for the protection of construction workers undertaking the development and the Applicant's workers who will be present at the Site during its operational phase. The GAC have been generated assuming short exposure periods over a long timescale.

The GAC have been generated using assumptions regarding soil characteristics. Where the published GAC are dependent upon Soil Organic Matter (SOM), a value of 1% has been used to provide a conservative assessment. Consideration of the default soil properties used to generate the soil GAC for protection of human health is important as these influence the fate, transport and behaviour of contaminants.

- Soil type – the model default is set as Sandy Loam and assumes a dry and relatively porous soil. The default is considered sufficiently similar to the cover/restoration soils which are variably clayey/ sandy. The waste mass is not a soil type and comparison to the GAC are provided for information.

- pH – pH influences the cation exchange capacity and the portioning behaviour of a chemical between soil and water. The default is pH 7. The cover soils at the Site have been found to have a pH of typically between 6.5 and 9, with only one sample of the cover soils recording a pH considerably outside of this range (9.4).

Selection of Water Assessment Criteria Protective of Aquatic Eco-Systems (Controlled Waters)

Generic Assessment Criteria

The Site is located over a superficial Secondary A Aquifer (Alluvium / River Terrace Deposits), Secondary Undifferentiated Aquifer (Head deposits) and a bedrock Unproductive Strata (London Clay and Lambeth Group). The Site is not located within groundwater SPZ or DWSZ. To evaluate potential risks to human health via ingestion of drinking water from the underlying aquifers, the leachate analysis results (2:1) and groundwater analysis results were assessed against the following GAC:

- Freshwater Environmental Quality Standards (EQS) annual average (AA) concentrations and maximum allowable concentrations (MAC) used where there is no AA.

- In the absence of a TPH threshold within the Water Supply [1](Water Quality) Regs 2021, the value of 10 µg/l as presented within the withdrawn Water Supply (Water Quality) Regs 1989 has been used for reference purposes. These thresholds are considered protective of human health.
- In the absence of a EQS for total ammonia the total ammonia as N (i.e., ammoniacal nitrogen as N) standard for rivers in the Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015 has been used; assuming a Good status.
- The Drinking Water Inspectorate (DWI) Guidance on the Water Supply (Water Quality) Regulations 2016 (as amended) for England and Water Supply (Water Quality) Regulations 2018 for Wales specific to PFAS (per-and poly-fluoroalkyl substances) in drinking water (August 2024) Tier 3 action threshold has been used for reference purposes. The threshold is that beyond which water companies should not be supplying water to customers.

When assessing ground condition data and the potential to harm Controlled Waters, the approach presented in Groundwater Protection Policy and Practice (GP3) (EA, 2017) has been used.

Bioavailable Environmental Quality Standards (EQS)

Bioavailable Environmental Quality Standards (EQS) have been developed for UK Specific Pollutants copper, zinc and manganese and the EU priority substances lead and nickel. An EQS is the concentration of a chemical in the environment below which there is not expected to be an adverse effect on the specific endpoint being considered, e.g., the protection of aquatic life.

The bioavailability of a metal depends on a number of physico-chemical factors which govern both metal behaviour and the interactions of the toxic forms of the metals with a biological receptor.

The EQS bioavailable corresponds to the bioavailable fraction (BioF) of dissolved metal in a sample, as determined by the physico-chemical characteristics of the water and can be calculated using a biotic ligand model (BLM) or other calculation method. To assess compliance, the bioavailable fraction of dissolved metal can be compared to the EQS bioavailable. However, bioavailable metal is not the same metric as dissolved metal as only a fraction of the dissolved metal will usually be bioavailable.

It is very difficult to measure the bioavailable concentration of a metal directly. Biotic Ligand Models (BLMs) are a predictive tool that can take account of water quality parameters such as pH, and calcium to determine the amount of bioavailable metal present. However, the complexity of the models, the runtime per sample, input data requirements and level of operator skill needed to interpret the model outputs mean that few regulatory organisations have adopted the full BLMs. The UK has developed simplified Metal Bioavailability Assessment Tool (M-BAT) for copper, zinc, nickel, and manganese.

Geo-environmental laboratory analyses required to generate site-specific Predicted No Effect Concentrations (PNEC) suitable for the protection of the identified receptors has not been undertaken. On this basis, to provide a conservative assessment the results have been compared against the EQS for copper, zinc, manganese, lead and nickel without a correction for bioavailability.

[1] DWI (2024) Guidance on The Water Supply (Water Quality) Regulations 2016 (as amended) for England and Water Supply (Water Quality) Regulations 2018 for Wales specific to PFAS (per-and polyfluoroalkyl substances) in drinking water DWI, August 2024.

Limit of Detection vs. Generic Assessment Criteria

Where the concentration of a determinand is below the limits of detection and the limits of detection are below the relevant threshold criterion, the concentrations recorded are not considered to present a hazard to human health or controlled waters.

Where the concentration of a determinand is below the limit of detection and the limit of detection is greater than the relevant threshold criterion, ultra-low analysis or further Detailed Quantitative Risk Assessment would be required to robustly conclude that these can be eliminated as hazards.

Appendix H: Risk Assessment Tables

Table H1: Contaminated Land Risk Assessment for Section L

PSCs 441 & 440	**Crowd Hill Landfill Holder Reference EAHLD20508; Site Reference FEA22, EAST 5 – Section L (2L6000TP, 2L6001TP, 2L6004TP, 2L6006TP, 2L6002SA, 2L6003SA and 2L6005SA)** It is noted that a BGS historical landfill point positions Crowd Hill Landfill in a different location to that provided by the EA. The EA Crowd Hill landfill boundary includes an area of ancient woodland in the east of the landfill and may be inaccurate. To date there is no additional information to confirm the second location, and a risk assessment table has not been included. The second location (PSC No. 472).					
Potential Source of Contamination	**Potential Contaminants of Concern**	**Potential Receptors**	**Potential Pathways**	**Potential Consequence of Pollutant Linkage**	**Probability of Pollutant Linkage**	**Risk (without mitigation measures)**
Historical landfill (PSC No. 441) recorded on the DoL accepted inert and industrial waste types. BGS identified Made Ground (PSC No. 440) coincides with the landfill and on land to the north and northwest. Borehole logs show Made Ground is present up to 0.70 m in thickness but not indicative of landfill materials. DoL crosses the mapped landfill and artificial ground.	Asbestos detected and identified as amosite and chrysotile insulation board from a bulk sample (0.05 – 0.3 m bgl, 1.2083%) and disturbed sample (0.05 – 1.00 m bgl, 0.501%). No exceedances of GAC in soil samples. No soil leachate testing carried out due to contractor error, therefore the leachability of contaminants from soils cannot be assessed. Groundwater sampling yielded the following concentration exceedances: ▪ TPH exceeded the 1989 withdrawn Water Quality Standards. ▪ DWS exceedances of chloride, ammonium (NH4), lead, manganese, and sulphate. ▪ EQS exceedances of cadmium, copper, lead, manganese, nickel, zinc, total ammonia (N) (WFD Standard). One exceedance of fluoranthene also noted. Landfill ground gas (methane, carbon dioxide, carbon monoxide, hydrogen sulphide).	**Construction, maintenance workers and future site users:** Construction workers during open cut excavations/construction, maintenance workers during operation.	Ingestion and inhalation of asbestos fibres.	Severe	Likely Asbestos fragments identified within a sample taken from 2L6005SA (0.05 to 1.00 m bgl). In addition to suspected Asbestos fragments noted within 2L6002SA borehole log. Open cut excavations through this area may disturb further asbestos.	High
			Direct dermal contact (soils and groundwater), ingestion of contaminated groundwater.	Medium	Likely Shallow groundwater encountered in boreholes may lead to contact with potentially contaminated groundwater during construction activities.	Moderate
			Inhalation of gases and vapours.	Medium	Likely	Moderate
		Adjacent land users: Farmland, closest residential property located approximately 50 m south of the proposed pipeline. Residential properties approximately 100 m west of the proposed route.	Ingestion and inhalation of asbestos fibres.	Medium	Likely	Moderate
			Direct dermal contact.	Medium	Low Likelihood	Moderate / Low
		On-Site existing and future property (buildings and buried services): No building structures as part of scheme. Open cut excavations taking place.	Gas migration / accumulation.	Medium	Unlikely Open cut excavations within the vicinity of these PSCs, therefore any concentrations of ground gas that might pose a risk to human health are unable to accumulate and/or get dissipated once disturbed in the excavation process.	Low Based on recorded concentrations
		Surface water bodies/watercourses: Bow Lake approximately 145 m north.	Surface water runoff from stockpiles and migration through groundwater and underground utilities.	Medium	Unlikely	Low
		Groundwater Superficial Head deposits present classified as a Secondary Undifferentiated Aquifer.	Leaching through unsaturated and saturated soil.	Medium	Likely Groundwater during spot monitoring confirmed to be shallow. Shallow groundwater also encountered during the advancement of boreholes within the GI.	Moderate
		Ecological receptors (flora and fauna): Ancient woodland shown approx. 30 m west of Crowd Hill Landfill. Hill Copse Ancient Woodland approximately 140m northwest.	Plant uptake, direct contact, ingestion and inhalation of dusts, gases and vapours by animals.	Medium	Low	Moderate / Low

Table H2: Contaminated Land Risk Assessment for Section L

Location	Trenchless Crossing Locations: 2L6007DR, 2L6008DR (Winchester Road)					
Potential Source of Contamination	**Potential Contaminants of Concern**	**Potential Receptors**	**Potential Pathways**	**Potential Consequence of Pollutant Linkage**	**Probability of Pollutant Linkage**	**Risk (without mitigation measures)**
Trenchless Crossing at Winchester Road (B3354) PSC 154 (Embankment) adjacent to Winchester Road	Leachate testing obtained from 2L6008DR had one exceedance of the WQS for TPH. Groundwater sampling from 2L6007DR and 2L6008DR yielded the following exceedances: ▪ TPH exceeded 1989 withdrawn Water Quality Standards. ▪ DWS exceedances of chloride, ammonium (NH4), sodium and sulphate. ▪ Exceedances of total ammonia (N) (WFD Standard). ▪ EQS exceedances of copper, lead, nickel and zinc.	**Construction, maintenance workers and future site users:** Construction workers during installation of trenchless crossings.	Direct dermal contact (soils and groundwater), ingestion.	Medium	Unlikely Shallow groundwater encountered in boreholes may lead to contact with potentially contaminated groundwater during construction activities.	Low
		Groundwater Superficial River Terrace Deposits and Alluvium classified as Secondary A Aquifers.	Leaching through unsaturated and saturated soil.	Medium	Likely Groundwater during spot monitoring confirmed to be shallow. Shallow groundwater also encountered during the advancement of boreholes within the GI.	Moderate
		Surface water bodies/watercourses: Bow Lake approximately 140 m northwest.	Surface water runoff from stockpiles and migration through groundwater and underground utilities.	Medium	Unlikely	Low
		Adjacent land users: Farmland, Residential properties approximately 100 m west of the proposed route.	Direct dermal contact	Medium	Unlikely	Low
		Ecological receptors (flora and fauna): Ancient woodland approx. 75m southwest and 215m southeast	Plant uptake, direct contact, ingestion and inhalation of dusts, gases and vapours by animals.	Mild	Low	Low
	Ground Gas – carbon dioxide recorded above STL's and LTLs and low oxygen levels (14.6 %v/v) recorded within 2L6008DR.	**Construction, maintenance workers, adjacent land users and future site users:** Construction workers during open cut excavations / construction, maintenance workers during operation.	Inhalation of gases and vapours.	Medium	Likely	Moderate
		On-Site existing and future property (buildings and buried services): Temporary reception pits.	Gas migration / accumulation.	Medium	Likely	Moderate Based on recorded concentrations

* The potential for the presence of gas and the associated risks during trenchless crossing techniques will need to be evaluated and assessed in accordance with BS 6164:2019 H&S in Tunnelling in the Construction Industry - Code of Practice.

Table H3: Contaminated Land Risk Assessment for Section L

Trenchless Crossing Locations: 2L6009DR, 2L6010DR (Bow Lake Watercourse), 2L6011SR, 2L6012SR (Unnamed Tributary of the Itchen). None of the aforementioned boreholes were advanced to target PSCs.						
Potential Source of Contamination TBC	**Potential Contaminants of Concern**	**Potential Receptors**	**Potential Pathways**	**Potential Consequence of Pollutant Linkage**	**Probability of Pollutant Linkage**	**Risk (without mitigation measures)**
N/A	Groundwater at Watercourse trenchless crossings sampling yielded the following exceedances: ▪ TPH (C_6 – C_{40}) exceeded 1989 withdrawn WQS. ▪ DWS exceedances of chloride, ammonium as NH_4, indeno(1,2,3-cd)pyrene, selenium, boron, sodium, and sulphate. ▪ EQS exceedances of cadmium, copper, fluoranthene, lead, manganese, nickel and zinc. ▪ total ammonia as N exceeded WFD Standard.	**Construction, maintenance workers and future site users:** Construction workers during installation of trenchless crossings.	Direct dermal contact (soils and groundwater), ingestion.	Medium	Likely Shallow groundwater encountered in boreholes may lead to contact with potentially contaminated groundwater during construction activities.	Moderate
		Adjacent land users: Farmland, closest residential property located approximately 50 m south of the proposed route. Residential properties approximately 100 m west of the proposed route.	Direct dermal contact.	Medium	Low likelihood	Moderate / Low
		Surface water bodies/watercourses: Bow Lake Watercourse (2L6009DR and 2L6010DR), Unnamed Tributary of the Itchen (2L6011SR and 2L6012SR)	Surface water runoff from stockpiles and migration through groundwater and underground utilities.	Medium	Likely	Moderate
		Groundwater Superficial River terrace deposits and alluvium classified as Secondary A Aquifers.	Leaching through unsaturated and saturated soil.	Medium	Likely. Groundwater during spot monitoring confirmed to be shallow. Shallow groundwater also encountered during the advancement of boreholes within the GI.	Moderate
		Ecological receptors (flora and fauna): Ecology associated with watercourses / drains overlying the trenchless crossing.	Plant uptake, direct contact, ingestion and inhalation of dusts, gases and vapours by animals.	Mild	Low	Low
	Ground Gas: High concentrations of carbon monoxide (42 ppm) and concentrations of carbon dioxide above STL's and LTLs, plus very low levels of oxygen (0.1 %) encountered in some locations	**Construction, maintenance workers, adjacent land users and future site users:** Construction workers during open cut excavations / construction, maintenance workers during operation.	Inhalation of gases and vapours.	Medium	Likely	Moderate
		Scheme on-Site existing and future property (buildings and buried services): Temporary reception pits.	Gas migration / accumulation.	Medium	Likely. Temporary reception pits may bring constructions workers into contact with potentially high levels of carbon monoxide and carbon dioxide.	Moderate Based on recorded concentrations

* The potential for the presence of gas and the associated risks during trenchless crossing techniques will need to be evaluated and assessed in accordance with BS 6164:2019 H&S in Tunnelling in the Construction Industry - Code of Practice.

Table H4: Contaminated Land Risk Assessment for Section L

PSC 472	Crowd Hill Landfill, second location – BGS Historical Landfill Point – Section L (3L6106DS and 3L6107DS)					
Potential Source of Contamination	**Potential Contaminants of Concern**	**Potential Receptors**	**Potential Pathways**	**Potential Consequence of Pollutant Linkage**	**Probability of Pollutant Linkage**	**Risk (without mitigation measures)**
British Geological Survey (BGS) identified historical landfill (PSC 472) . This is in a different location to the Environment Agency. Following GI at PSC 472, waste was not encountered. Exploratory hole locations advanced to target this PSC yielded a maximum of 0.35 m thickness of Made Ground. The point provided by the BGS identifying the landfill is within the DoL.	No exceedances of GAC in soil samples. Leachate testing yielded the following exceedances: ▪ TPH exceeded the 1989 withdrawn WQS. ▪ EQS exceedances of copper. ▪ DWS exceedances of iron. Groundwater sampling yielded the following exceedances: ▪ TPH exceeded the 1989 withdrawn WQS. ▪ DWS exceedances manganese, and sulphate. ▪ EQS exceedances of cadmium, manganese and zinc. ▪ One detect of PFOS at 0.085 ug/l, which is below the action threshold. Landfill ground gas (methane, carbon dioxide, carbon monoxide, hydrogen sulphide), carbon dioxide exceeded long term WELs. Methane was not detected above the limit of detection.	**Construction, maintenance workers and future site users:** Construction workers during open cut excavations/construction, maintenance workers during operation.	Direct dermal contact (soils and groundwater), ingestion of contaminated groundwater.	Medium	Likely Shallow groundwater encountered in boreholes may lead to contact with potentially contaminated groundwater during construction activities.	Moderate
			Inhalation of gases and vapours.	Medium	Likely	Moderate
		Adjacent land users: Farmland, closest residential property located approximately 176 m northwest.	Direct dermal contact, ingestion and inhalation of dusts, gases and vapours during excavation works and stockpiling.	Medium	Low Likelihood	Moderate / Low
		On-Site existing and future property (buildings and buried services): No building structures as part of scheme. Open cut excavations taking place.	Gas migration / accumulation.	Medium	Unlikely Open cut excavations within the vicinity of these PSCs, therefore any concentrations of ground gas that might pose a risk to human health are unable to accumulate and/or get dissipated once disturbed in the excavation process.	Low Based on recorded concentrations
		Surface water bodies/watercourses: Bow Lake Watercourse approximately 140 m east/northeast.	Surface water runoff from stockpiles and migration through groundwater and underground utilities.	Medium	Unlikely	Low
		Groundwater London Clay – Unproductive stratum.	Leaching through unsaturated and saturated soil.	Medium	Likely Groundwater during spot monitoring confirmed to be shallow. Shallow groundwater also encountered during the advancement of boreholes within the GI.	Moderate
		Ecological receptors (flora and fauna): Park Hills Ancient Woodland approximately 130 m south.	Plant uptake, direct contact, ingestion and inhalation of dusts, gases and vapours by animals.	Mild	Low	Low

Appendix I: Risk Assessment Methodology

Risk Assessment Methodology

Risk Classification Methodology

The method of risk evaluation adopted in this document is consistent with CIRIA C552 (2001). Hence, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with this contamination.

The classification system used to define contaminant probability, consequence and risk is described in the following tables.

Table A: Classification of probability

Classification	Definition
High Likelihood	There is a contaminant linkage and an event that appears either very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a contaminant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term, and likely over the long term.
Low Likelihood	There is a contaminant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is contaminant linkage but circumstances are such that it is improbable that an event would occur even in the long term.

Table B: Classification of consequence

Classification	Receptor	Definition	Examples
Severe	Humans	Short-term (acute) risk to human health likely to result in "significant harm" as defined in the Environmental Protection Act 1990, Part 2a.	High concentrations of cyanide on the surface of an informal recreation area
	Controlled waters	Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource	Major spillage of contaminants from site into controlled water
	Property	Catastrophic damage to buildings/property	Explosion, causing building collapse (can also equate to an acute human health risk if buildings are occupied)
	Ecology	A short-term risk to a particular ecosystem, or organism forming part of such eco-system	Potentially long term derogation of a designated site or protected species
Medium	Humans	Chronic damage to human health ("significant harm" as defined in the Environmental Protection Act 1990, Part 2a.)	Concentrations of a contaminant from a residential site exceed the site-specific assessment criteria
	Controlled waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution)	Leaching of contaminants from a site to a principal or secondary aquifer
	Property	Significant damage to crops, buildings, structures and services	Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
	Ecology	A significant change in a particular ecosystem	Death of a species within a designated nature reserve
Mild	Humans	Contamination present although unlikely to constitute a significant chronic health risk	Concentrations of a contaminant from a public access site moderately exceed the generic assessment criteria
	Controlled waters	Pollution of non-water resources	Pollution of non-classified groundwater
	Property	Damage to sensitive. buildings/structures/services	Aggressive ground conditions leading to potential for long term degradation of buried concrete
	Ecology	Damage to the environment	Localised damage to aquatic habitat causing temporary relocation of certain species
Minor	Humans	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.)	The presence of contaminants at such concentrations that protective equipment is required during site works.
	Controlled waters	Potential minor release of contamination to local water features	Short term or low volume release of potentially polluting material to a secondary surface water course of low existing quality
	Property	Easily reparable effects of damage to buildings, structures and services. Harm which may result in a financial loss, or expenditure to resolve.	The loss of plants in a landscaping scheme. Discolouration of concrete
	Ecology	Short term, localised damage may occur; consequences are spatially and temporally limited	Short term or localised disruption to in situ flora or fauna; no lasting effects

Table C: Risk classification (comparison of consequence and probability)

Probability (likelihood)		Consequence (severity)			
		Severe	***Medium***	***Mild***	***Minor***
	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk