Waste Acceptance Procedures

Meridian Water SIW Permit Application

March 2024

Waterman Infrastructure & Environment Limited
Pickfords Wharf, Clink Street, London, SE1 9DG
www.watermangroup.com

Client Name:	Taylor Woodrow Construction
Document Reference:	WIE16279-300-R-33-4-1-WAP
Project Number:	WIE16279
Project Document No:	SIW-WAT-XX-XX-RP-W-000008

Quality Assurance – Approval Status

This document has been prepared and checked in accordance with
Waterman Group's IMS (BS EN ISO 9001: 2015, BS EN ISO 14001: 2015 and BS EN ISO 45001:2018)

Issue	Date	Prepared by	Checked by	Approved by
4	March 2024	Robbie Moore Senior Land Quality Consultant	Sarah Owen Senior Associate	Sarah Owen Senior Associate

Comments

Disclaimer

This report has been prepared by Waterman Infrastructure & Environment Limited, with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporation of our General Terms and Condition of Business and taking account of the resources devoted to us by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at its own risk.

Contents

Figures

Tables

Appendices

Glossary

- The permitted site – this refers to the proposed permitted area as defined in Plan D-ESSD1C.
- Meridian Water Strategic Infrastructure Works (SIW) – the enabling works required in advance of the construction of Phase 2 of the Meridian Water Development. The works will occur across two adjacent areas termed Phase 1 SIW and Phase 2 SIW – collectively 'the SIW site' for the purposes of the EP application documents.
- Development Zones (DZ) – specific areas in Phase 2 Meridian Water Development referred to in planning documents. As shown on Plan D-ESSD1D.
- Edmonton Marshes flood relief storage basins – to be excavated at the eastern end of the site as part of the SIW in DZLV1. The waste the subject of this EP application will arise from excavation into the former Lee Valley Trading Estate landfill to create part of the flood relief storage basins.

1. Introduction

1.1 The Brief

Waterman Infrastructure & Environment Limited ("Waterman") is instructed by Taylor Woodrow Construction, the civil engineering arm of Vinci Construction UK Limited ("the applicant" and "the operator") to prepare an application for an Environmental Permit (EP). The EP application is to authorise the permanent deposit of waste on land as a recovery activity. The waste recovery is for previously deposited (waste) soil and stones to be used in the Strategic Infrastructure Works (SIW) at Meridian Water, Enfield, London.

This Environmental Setting and Site Design report is required to support the waste recovery EP application.

1.2 Context

The Meridian Water scheme is a regeneration project led by the London Borough of Enfield (LBE). The permitted site is one small part of the wider Meridian Water scheme. The permitted site is centred at approximate National Grid Reference 535601 191831.

Overall, the Meridian Water scheme will deliver:

- 10,000 new homes;
- 6,000 high quality jobs, a further 10,000 construction jobs;
- new train station;
- schools, healthcare provisions and other local services; and
- naturalisation of the Pymmes Brook and improved waterside public green spaces.

The first phase of the scheme ("Meridian One") was granted full planning permission and is underway. The new Meridian Water station opened in 2019, the first new school in 2017 and the first 950 homes are scheduled for completion in 2026 at Willoughby Lane.

LBE is now bringing forward Phase 2 of the Meridian Water scheme. Phase 2 is a residential led mixed use scheme including up to 2,300 new homes, various non- residential uses including workspace and a new school. To enable Phase 2, the SIW are required to prepare the development area including the implementation of flood mitigation measures.

Earthworks material will be excavated from various locations across the SIW site where the level needs to be lowered to provide flood storage basins or to create a suitable development platform level. Some material will be suitable for reuse in earthworks without treatment, other material will require remediation (regulated by separate mobile treatment plant permit). Material confirmed to be suitable for reuse will be moved to various locations in the SIW site where levels need to be raised. The cut and fill locations are shown on plan D-ESSD4.

Most of the material to be excavated and / or treated will be reused in accordance with the Definition of Waste: Development Industry Code of Practice (DoWCoP). However, some excavation will be necessary in an area that is considered by the Environment Agency (EA) to be an historic landfill site (Lee Valley Trading Estate Landfill located at the eastern end of the SIW site and shown on plan D-ESSD2E).

The waste recovery green line boundary is shown on plan D-ESSD1C, with the SIW site boundary on plan D-ESSD1A. The actual locations where waste will be deposited will depend on the detailed sequencing of the works (so dependent on factors including progress of remediation works) and the time taken by the EA to determine the EP application. The balance of fill placed in the waste recovery areas will be placed in accordance with the DoWCoP.

Treatment of waste will be limited to sorting at the point of excavation to separately remove any gross contamination or large lumps of hard materials. Waste suitable for recovery will be stored in stockpiles, until required for use in earthworks in the permitted site. Waste may also be treated with lime or cement for moisture control and / or creation of capping material. Both applications will be for geotechnical improvement so should not require waste regulatory controls. However, should the EA disagree, the treatment will be carried out under mobile treatment plant permit and the relevant List of Waste codes included for in the waste recovery EP application.

1.3 Report Structure and Scope

The EP application requires WAP to be provided. This has been developed using relevant EA guidance[1] ("WAP guidance").

Technical information prepared for the Meridian Water Development Area has been utilised where appropriate. Including but not limited to that prepared for:

- the planning applications for the scheme;
- documents required to fulfil planning conditions (e.g. Construction Environmental Management Plan (CEMP);
- data and analysis from ground investigation;
- waste classification analysis of samples collected from the former landfill area;
- specification for materials suitable for use in the earthworks; and
- detailed design (highways, drainage, landscaping).

Taylor Woodrow's general and environmental management policies and procedures are in place for the wider construction site and will be applied as appropriate to the permitted activities. Taylor Woodrow's documents referred to are included elsewhere in the application bundle.

The WAP will form part of the environmental management system (EMS) to be operated by the applicant for the lifetime of the EP. Once appointed, the relevant specialist subcontractor will take the principles set out in this document and develop the detailed sampling, testing and material tracking procedures that will be implemented during the earthworks. Information provided in the Waste Recovery Plan (WRP) is also reproduced herein or referred to. A copy of the WAP and EMS will be kept in Taylor Woodrow's site office.

Plans and drawings have been prepared and are presented separately in the EP application bundle ("ESSD drawings and information bundle").

1.4 Limitations and Constraints

Waterman has endeavoured to assess all information provided to them during the preparation of this document. But makes no guarantees or warranties as to the accuracy or completeness of this information.

The conclusions resulting from this report are not necessarily indicative of future conditions or operating practices at or adjacent to the site.

[1] https://www.gov.uk/guidance/waste-acceptance-procedures-for-waste-recovery-on-land (accessed 06/07/2022).

2. Purpose and Scope of Waste Acceptance Procedures

2.1 Purpose

The WAP guidance confirms waste producers must classify their waste as hazardous and non-hazardous waste and accurately describe it. This is to enable waste producers to determine where their waste can go and waste receivers to determine if they can accept it.

WAP should be in place to ensure waste is only accepted that is:

- suitable for the permitted activity;
- allowed for by the EP; and
- considered by the risk assessment underpinning the EP.

WAP should also assist in:

- making sure the waste does not cause pollution;
- deciding which wastes will be accepted and from where; and
- preventing waste arriving that is not allowed for by the EP.

2.2 Scope

The WAP guidance states that the WAP must set out the:

- evidence required from producers to confirm the waste matches its description;
- measures to be taken to ensure the waste is free from contamination;
- criteria to be used in deciding whether or not to accept the waste, for example the results of waste testing;
- other criteria to be applied to ensure only suitable waste is accepted; and
- information waste producers will be required to provide including:
  - original source of the waste
  - previous use of any site generating excavation or demolition waste
  - details of any treatment used to remove unsuitable waste
  - results of any waste tests carried out

3. Relevant Background

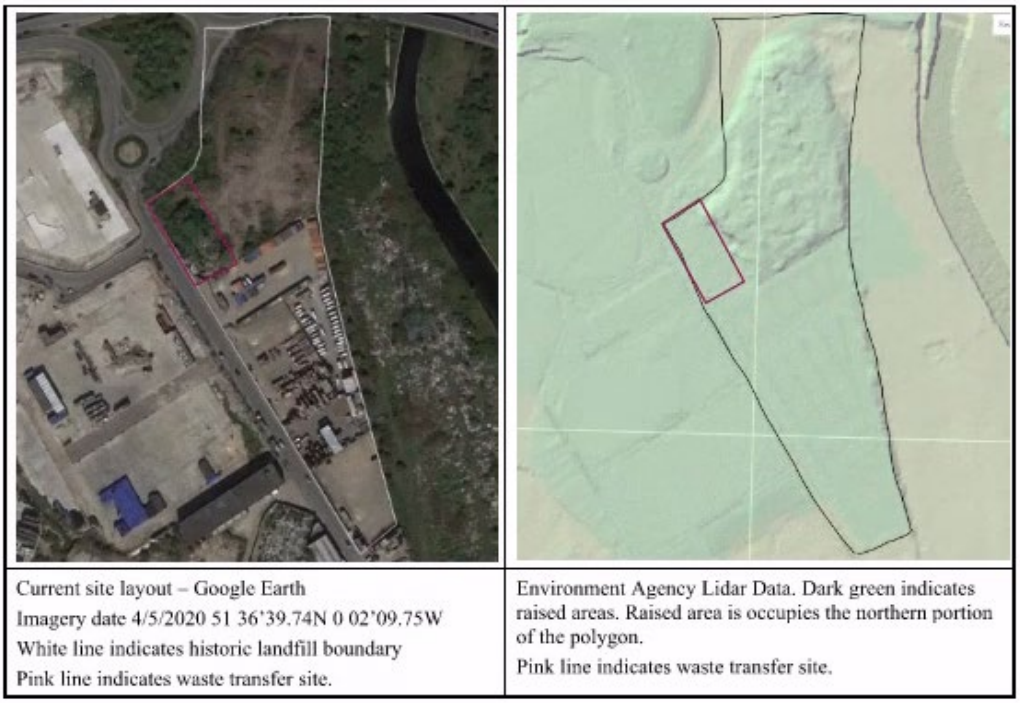
The applicant, Taylor Woodrow, will be in control of the various works necessary to complete the SIW. Taylor Woodrow will employ several specialist subcontractors including to manage and undertake the earthworks. The earthworks contractor will be in control of the waste at all stages from initial excavation through to permanent placement in earthworks. It will produce the waste, confirm it is suitable for the intended use, store the waste and use the waste in construction. It will develop detailed sampling, testing, and materials management procedures in line with the principles set out in this document.

The waste will arise from excavation of part of the Edmonton Marshes flood relief storage basins at the eastern end of the SIW site. The land having been designated as an historic landfill.

3.1 Lee Valley Trading Estate Landfill

Part of the eastern end of the site is recorded as an historic landfill. The EA's landfill record is presented as a polygon with no information available as to the waste volumes, types or dates of filling for example. Arup (on behalf of LBE) undertook an extensive review of documentary evidence and ground investigation findings as part of the detailed liaison with the EA as set out in section 2.3 below. The conclusion of that work was that the much of the eastern end of the site to the former banks of the River Lea has been subject to land raising and reprofiling at different times during the twentieth century. The material originally deposited considered mostly likely to have arisen from the construction of the William Girling Reservoir close by the north of the site as well as potentially arising from the excavation of the River Lea diversion channel to the immediate east of the site. Subsequent development on and adjacent to this part of the site may have led to reworking or removal from site of some of the imported material. The landfill record boundary is shown on the figure below.

Figure 1: Landfill record boundary reproduced from Arup technical note dated 08/04/2021[2]

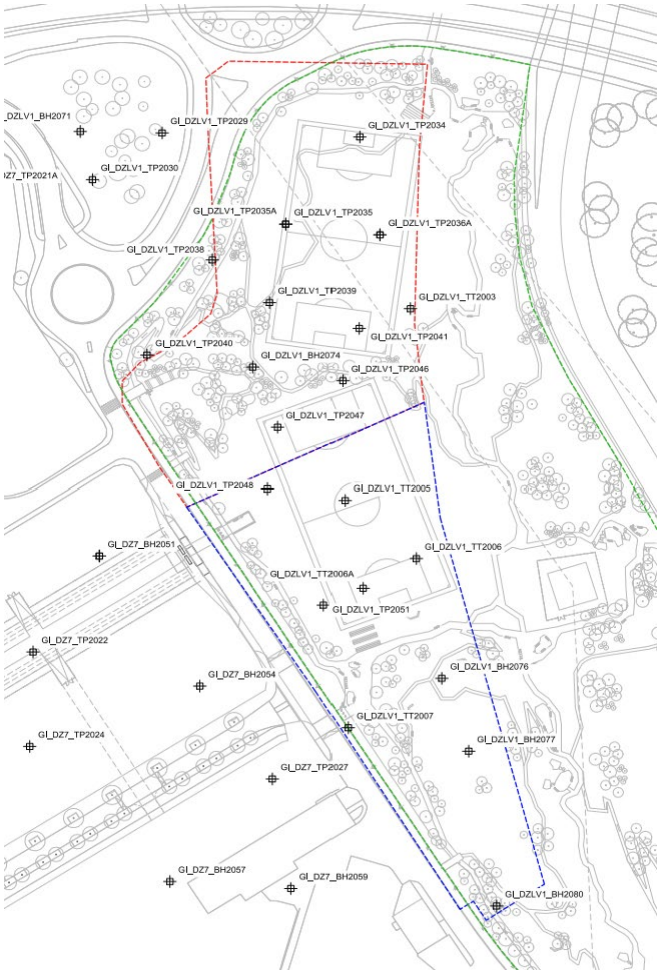


Current site layout – Google Earth Imagery date 4/5/2020 51 36'39.74N 0 02'09.75W White line indicates historic landfill boundary Pink line indicates waste transfer site.	Environment Agency Lidar Data. Dark green indicates raised areas. Raised area is occupies the northern portion of the polygon. Pink line indicates waste transfer site.

[2] Lee Valley Trading Estate Landfill, Technical Note prepared by Arup 08/04/2021 (included as an appendix to the waste recovery plan included in the EP application)

Notwithstanding the above, Arup proceeded to consider if ground investigation data for the area of land within the polygon record (above) could be further interrogated to refine the lateral and vertical extent of any landfill. Arup considered the polygon could be split into northern (red dotted line) and southern (blue dotted line) areas as shown on the figure below):

Figure 2 Arup division of the polygon



The project remediation contractor has further considered the available information and considers visual and geochemical assessment of the material beneath the concrete slab across the polygon area show no clear differentiation between the upper and lower ground strata which may suggest all the material is undisturbed natural ground rather than having been re-worked or discarded and disposed of. Disturbance of ground immediately beneath the existing slab may have occurred during installation of the slab. The northern part of the polygon area is however raised indicating material has been discarded/landfilled in this location. The project remediation contractor intends to progress discussions with the local EA area team to agree the reduction of the extent of the Lee Valley Trading Estate Landfill on this basis.

Arup prepared the Remediation Strategies for Phases 1 and 2 SIW. These documents set out the soils from the landfill area (that will be used to increase levels elsewhere) comprise:

- in-situ natural soils including alluvium, sands and gravels but excluding highly compressible and degradable soils such as peat;
- previously placed reworked natural soils comprising principally natural soils and stones; and
- soils described as Made Ground but comprising principally natural soils.

All of these soils, when arising from the landfill area, are waste the subject of this EP application.

3.2 Remediation Strategy

As redevelopment is to occur, the planning process requires that the site be suitable for use. Arup, on behalf of LBE, has been responsible for assessing the site in accordance with relevant guidance (currently Land contamination Risk Management, 2020[3]). The Meridian Water Phase 2 site has a history of contaminative uses. The findings of intrusive ground investigation and risk assessment were that the site requires remediation to render it suitable for redevelopment. Two Remediation Strategies (RS) have been prepared by Arup for SIW Phase 1[4] and Phase 2[5]. The EP boundary includes land covered in both of these strategies. The SIW works Phase 1 and Phase 2 boundaries are shown on plan D-ESSD1D. The EA has been consulted throughout the preparation of the two RS and its feedback taken into account. The full documents are included for reference as part of the EP application and should be referred to for summary details of the various intrusive investigations that have been carried out in recent years at the SIW site, as well as the remediation strategies and verification plans.

The RS include requirements of relevance to the WAP. In particular, for both strategies, see section 8 "Earthworks and materials strategy", and section 13 and 12 "Verification plan" of the RS for Phase 1 and Phase 2 respectively. The reuse criteria are the chemical specification of the waste to be recovered. The criteria for cover soils are identical across the two RS and the criteria for general fill in the SIW Phase 1 RS is divided into Zone A and Zone B. The SIW Phase 2 RS adopts the same reuse criteria as for Zone B. Appendix A contains a plan showing Zone A and B . Table 13 of the Phase 1 RS ("*Reuse criteria for general fill and cover soil*") is reproduced as Appendix B.

3.3 Earthworks Specification

The specification controlling the earthworks is the 'Specification for Highway Works', published by the Stationery Office (formerly HMSO) as Volume 1 of the Manual of Contract Documents for Highway Works. The Earthworks Specification[6] (ES) is included as Appendix C.

The ES includes requirements of relevance to the WAP.

Site-won Alluvium, including that with a waste label, is likely to require the addition of up to 2% lime to reduce moisture content to enable compliance with the specification for site won "Class 2 fill" and enable the required compaction to be achieved. Therefore, references to the sampling, testing and acceptability criteria for Class 2 fill are relevant. In addition, some of the waste will meet the terms of Class 7I material which can be treated either with higher concentrations of lime, or cement, to meet the specification for Class 9E capping. The full document should be referred to for details of the physical specification the waste should meet.

The Earthworks Specification sets out acceptable material classes with reference to the Specification for Highways Works, the acceptability testing required and material compaction and formation requirements.

3.4 Landscape Specification

Waste soils to be used to create a soil plant growth medium in Brooks Park will be required to meet the Landscape Specification, Q28. Which sets out criteria in addition to the chemical criteria (the re-use criteria set out by the Remediation Strategy). The Landscape Specification is included in Appendix C.

[3] Land Contamination Risk Management Land contamination risk management (LCRM) - GOV.UK (www.gov.uk)
[4] London Borough of Enfield Strategic Infrastructure Works, Meridian Water Remediation Strategy and Verification Plan for SIW Phase 1, reference: REP/260637/CL/003, issue 3, dated 7 February 2023.
[5] London Borough of Enfield Strategic Infrastructure Works, Meridian Water Remediation Strategy and Verification Plan for SIW Phase 2, reference: REP/260637/CL/001, issue 1, dated 28 April 2023.
[6] Meridian Water Strategic Infrastructure Works, Enfield Earthworks Specification, Waterman, December 2022 (WIE16279-300-SP-1-4-3 EWS)

4. Waste Classification

4.1 Waste classification process applied to waste arising from exaction into former landfill

Technical guidance on waste classification WM3[7] sets out the seven-step approach for waste classification. It is summarised below for the waste to arise from excavation into the former landfill.

Step 1 - the waste to arise from excavation into the former landfill is the waste that needs to be classified.

Step 2 - two EWC codes may apply to the waste, namely 17 05 03* and 17 05 04.

Step 3 - the identified EWC codes are "mirror entries" and therefore a hazardous properties assessment is required (steps 4 - 7).

Step 4 - determining the chemical composition of the waste. The waste arises from a brownfield site the EA records as an historic landfill. Its composition originally had to be determined to satisfy contaminated land controls on redevelopment. This assessment was carried out in a step wise fashion as prescribed by CLR11 which was current at the time the assessment was carried out.

Initially a desk-based review of available information was carried out to understand the history of the site and the surrounding area, the site's current uses and the site's geology and hydrogeology. This information was used to prepare a Conceptual Site Model (CSM) which sets out the types of contaminants potentially present in the soil and groundwater on and around the site and how these contaminants may impact identified environmental and human receptors in the context of the proposed development.

To test and further refine the CSM several phases of ground investigation (GI) were carried out. The objectives of the GI were to assess the presence of potential contaminants and their potential pathways to identified receptors. After each phase of GI the CSM was refined to focus on plausible potential contaminants and pathways, while further investigation of now implausible contaminants and pathways were no longer considered.

The findings of the GI in the former landfill area are set out in sections 4.2 and 4.3 below.

This resulted in a targeted testing suite that focuses on contaminants relevant to the CSM (present in the waste). The targeted testing suite ("reduced suite" in section 4.5.1 below) is therefore the relevant testing suite for the purposes of waste classification. It is the suite to be used to determine the chemical composition of the waste. The targeted testing suite includes asbestos as this contaminant has been detected in the waste (and is not uncommon on brownfield sites in general). It does not include Persistent Organic Pollutants (POPs).

The contaminated land assessment process is considered to be the reasonable effort required in order to establish the composition of this waste.

Step 5 - identify if the substances in the waste are "hazardous substances" or POPs. Based on step 4 above, the waste to be used in the SIW will not contain hazardous substances.

Step 6 - assess the hazardous properties of the waste. The laboratory data are assessed in accordance with the requirements of the relevant appendices to WM3. A commercially available software package has been used to date for assessment of the waste (HazWasteOnLine – see section 4.3) and may be used in the future.

Whilst one sample of the waste in situ has been found to display hazardous properties, the intention is to not accept hazardous waste into the permitted site.

Therefore, step 7 – the 17 05 04 EWC code is relevant for the waste as it arises on excavation.

[7] Guidance on the classification and assessment of waste: technical guidance WM3. UK Environment Agencies (v1.2GB)

4.2 Ground Investigation Findings

Arup undertook ground investigation across the wider Meridian Water site in 2018. The proposed works included boreholes, window sample holes and trial pits within the DZLV1 area. Of the total exploratory hole locations completed at DZLV1, those identified within the former landfill polygon area (Figure 1 above) are listed in Table 1.

Table 1: Details of locations within landfill area

Feature	Ground Level (m OD)	Depth Excavated (m)
Boreholes		
DZLV1-BH2073	10.69	6.25
DZLV1-BH2074	15.91	49.45
DZLV1-BH2076	11.8	9.4
DZLV1-BH2077	11.9	35.27
DZLV1-BH2080	10.57	31.82
Trial Pits		
DZLV1-TP2034	14.49	4
DZLV1-TP2035	14.57	3
DZLV1-TP2036	14.45	3
DZLV1_TP038	12.19	4.9
DZLV1-TP2039	14.6	5.6
DZLV1-TP2040	11.36	3
DZLV1-TP2041	14.7	5.6
DZLV1-TP2046	14.55	5.6
DZLV1-TP2047	14.56	4.2
DZLV1-TP2048	11.72	3
DZLV1-TP2051	11.84	3
Trial Trenches		
DZLV1-TT2001	10.76	3
DZLV1-TT2002	10.61	1.7
DZLV1-TT2003	11.2	5.2
DZLV1-TT2004	12.51	5.3
DZLV1-TT2005	11.78	3.2
DZLV1-TT2005A		
DZLV1-TT2006	11.84	3.3
DZLV1-TT2007	11.9	3

During the ground investigation works at area DZLV1, soils generally consistent with more typical landfilled waste (e.g. household waste or demolition waste for example) were not visually identified. Discarded household waste was present dumped at surface level across the eastern half of the former landfill area; however, this has arisen recently and is not representative of the historically landfilled waste.

Boreholes undertaken across the DZLV1 area identified the geology as Made Ground / waste at surface, generally less than 2m thickness but up to 6.7m locally at the mound area in the north. The uppermost 1m of Made Ground and mound in the north of DZLV1 comprised mixed natural material and construction waste. Deeper Made Ground is predominantly clayey soils with occasional gravel, cobbles and fragments of concrete or brick.

Underlying natural soils comprise 0.4 to 3.3m of Alluvium, then 1.3 to 5m Kempton Park Gravel Member and 8.5 to 12.3m London Clay Formation which thins from east to west. Deep geology comprises Lambeth Group, Thanet Formation and Chalk Group bedrock.

For most of the locations, no visual or olfactory evidence for contamination was identified during the intrusive works. However at location DZLV1-TT2006 a strong hydrocarbon odour was noted within the Made Ground at 0.25 - 0.35m bgl.

4.3 Waste Classification Findings

34No. samples of Made Ground and waste were recovered and subject to laboratory analysis for a range of contaminants. The results have been assessed in accordance with Environment Agencies guidance on waste classification – WM3 using the software package HazWasteOnLine. The outputs of this assessment for all samples of waste are included in Appendix D.

Chemical Results – Made Ground

Metals testing within the Made Ground and waste recorded elevated concentrations including lead up to 3,070mg/kg, and zinc up to 1,600mg/kg. Leachate testing results for metals are not available.

Total Petroleum Hydrocarbons (TPH) results identified some areas of elevated hydrocarbon concentrations around location LV_TP2047 at the mound in the north of the DZLV1 area. A value of 749mg/kg for TPH was recorded at 0.1m bgl, decreasing to 201mg/kg at 2.1m bgl and falling below the limit of detection at 3.1m bgl. Across the remainder of the DZLV1 area minorly elevated hydrocarbons up to 278mg/kg were detected, however none were above the inert waste limit of 500mg/kg.

Elevated Polycyclic Aromatic Hydrocarbon (PAH) concentrations were detected in areas across DZLV1 up to 152mg/kg. A sample of the Made Ground collected at 0.3m bgl from location TT2006 where hydrocarbon odour was reported during drilling works did not identify any elevated concentrations of hydrocarbons. Total TPH, total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) and total PAHs were all below laboratory limits of detection for this sample.

Total organic carbon results for the Made Ground / waste recorded maximums of 3.81% and 3.91% in two samples, with all other samples at or below the 3% threshold for inert waste.

Chrysotile asbestos as free fibres was detected in four samples across the DZLV1 area, at depths between 0.2m bgl and 1.5m bgl. Of these, one also contained amosite asbestos fibre bundles. Quantification of asbestos where found did not record it to comprise more than a maximum of 0.0015% of any sample collected, three of the four samples quantified at <0.001%.

Chemical Results – Shallow Natural Soils

Within the completed investigation works at the DZLV1 area, 14No. samples were collected from the natural strata underlying the Made Ground / waste comprising reworked and undisturbed Alluvium.

Evidence for significant hydrocarbon contamination within natural soils was not identified during the Arup ground investigation works. Of the chemical samples collected from this material, measured concentrations of total TPH were found to be below the limit of detection at 10mg/kg in all but two samples. Two samples of Alluvium recorded TPH concentrations of 13.4mg/kg and 26.8mg/kg, however these are both below the inert waste maximum acceptable concentration of 500mg/kg.

BTEX concentrations recorded across all samples did not exceed the limit of detection of 0.04mg/kg, compared to an inert waste maximum of 6mg/kg.

Most samples recorded total PAHs below the laboratory limit of detection at 0.118mg/kg. Four samples contained concentrations up to a maximum of 1.36mg/kg, far below the inert waste limit of 100mg/kg.

The assessment found that only a single sample of the potential body of waste for re-use waste met the criteria for classification as hazardous, principally due to the HP2, HP7, HP10 and HP14 hazardous properties. However, as this impacted material was limited to a single sample, it is anticipated that an exercise to separate and delineate out the impacted soils around could be undertaken ahead of re-use activities. This would ensure identified contaminated soils are not re-used.

4.4 Description of the Waste

The EWC code for the waste is set out in Table 2 below.

Table 2: Proposed list of site-derived wastes

EWC code	EWC description	Limitations
17 05 04	soil and stones other than those mentioned in 17 05 03	Limited to site-derived material meeting the chemical and physical specifications for the works
19 03 05	stabilised wastes other than those mentioned in 19 03 04	Limited to site-derived material meeting the chemical specifications for the works and requiring treatment for moisture content control to meet the physical specification for the works.
19 03 07	solidified wastes other than those mentioned in 19 03 06	Limited to site-derived material meeting the chemical specifications for the works and requiring treatment for moisture content control to meet the physical specification for the works.
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01	Limited to site-derived material meeting the chemical specifications for the works and requiring treatment for moisture content control to meet the physical specification for the works.

The visual descriptions for the waste 17 05 04 are as follows:

Made Ground

Brown slightly gravelly sandy CLAY with low cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint red brick, ceramic, concrete and macadam. Cobbles are subrounded to subangular flint, brick and concrete.

Shallow Natural Alluvium

Firm grey slightly sandy slightly gravelly CLAY with a very few very fine roots and rare semi decayed plant debris. Sand is fine to coarse. Gravel is subangular to subrounded fine and medium flint

Figure 3 Shows typical landfilled waste encountered by Arup during ground investigations of the historic landfill area8.

Left: Natural alluvium at the base of the trial pit. Right: layers of Made Ground within the mound including yellow brown sandy gravel and brown sand with grey sandy clay.

The treatment of waste for geotechnical improvement should not be an activity that requires regulation by EP. However, if the EA should take the alternative view, the treatment would be carried out under mobile permit controls, and the resulting products of treatment would be accepted for recovery under the most applicable Chapter 19 code from Table 2 above.

4.5 Sampling and Testing during the Works including for Waste Classification Purposes

4.5.1 Remediation Strategy Requirements for Sampling, Testing and Data Assessment

The waste will arise from works to excavate the flood storage basin into the historic Lee Valley Trading Estate landfill. With reference to section 8.10.1 of the Phase 1 RS and section 8.9.1 of the Phase 2 RS ("Categories of material") the waste will be used for:

- Cover soil: material suitable for use within the cover layer in Brooks Park, Edmonton Marshes and within the flood diversion channel. It also includes material used in the top layer of material (0.5m) placed to achieve the required level in future development plots within the permitted site
- General fill: material placed beneath cover soil in soft landscaped areas and future development plots and beneath hardcover areas such as roads within the permitted site

With reference to section 8.10.3 of the Phase 1 RS and section 8.9.3 of the Phase 2 RS ("Site won material verification requirements") the waste will be:

[8] Arup (2021), Meridian Water SIW, Lee Valley Trading Estate Landfill - Technical Note (001).

- untreated natural material from DZLV1 - sampled at a rate of 1 sample per 2,000m^3 for contaminated land verification requirements;
- Made Ground material excavated from DZLV1 not subject to ex situ physical, biological or chemical treatment – sampled at a rate of 1 sample per 500m^3 for contaminated land verification requirements.

With reference to section 8.10.10 of the Phase 1 RS and section 8.9.8 of the Phase 2 RS ("Verification sampling methodology")

- the waste will be sampled by collecting spatial composite samples in accordance with British Standard "BS ISO 18400-104:208 Soil quality – Sampling" with sample management and reporting also in accordance with that standard.
- chemical laboratory testing will be carried out in accordance with BS EN ISO/IEC 17025 XXXX and EA MCERTS[9] where applicable
- asbestos analysis method will be accredited by UKAS[10] and will comply with UKAS LAB 30[11] and HSE HSG 248[12]

With reference to Table 14 of the both the Phase 1 and 2 RS ("Verification testing suite") and section 8.10.3 of the Phase 1 RS and section 8.9.3 of the Phase 2 RS ("Site won material verification requirements"), the suite of testing for the waste will be:

- "Reduced suite": metals [arsenic, beryllium, cadmium, chromium (trivalent and hexavalent), copper, lead, mercury (inorganic), nickel, selenium, vanadium, zinc][13], pH, TPHCWG, PAH (EPA 16), complex and free cyanide, ammoniacal nitrogen, asbestos;

unless the presence of hydrocarbons is suspected at the time of sampling (e.g. visual or olfactory evidence of contamination) in which case the standard suite will be used:

- "Standard suite": as for reduced suite plus phenols, BTEX and volatile hydrocarbons.

With reference to Table 13 of the Phase 1 RS ("*Reuse criteria for general fill and cover soil*") (included as Appendix B):

- the waste will comply with the criteria for general fill (both Zone A and Zone B coincide with the permitted area – see drawing 9 of Phase 1 RS to be found appended to the WRP) and cover soil for the specific contaminants in the reduced suite only. The Phase 2 RS adopts the Zone B reuse criteria for general fill.

4.5.2 Additional Requirements for Waste Classification Purposes

Considering the requirements of WM3 Appendix D (waste sampling) and "dispose of waste to landfill" guidance[14] (sampling frequency) the following additional measures are proposed, taken in the same order as in section 4.5.1 above:

Rate of sampling

The pre-existing data discussed in section 4.3 above provides a relatively high degree of confidence in the chemical quality of the waste. It is therefore considered reasonable to consider the waste to be accepted for use in earthworks to not be a new waste. The reworked natural soils are considered to be a homogenous waste stream whilst the Made Ground suitable for use without treatment is considered to be a heterogenous waste stream.

The volume of fill required to achieve the formation level within the waste recovery area is up to 71,500m^3. Based on a conversion factor of 2.2 tonnes per m^3 for the waste, the maximum quantity of waste is given as 157,300 tonnes.

[9] Monitoring Certification Scheme
[10] UK Accreditation Service
[11] Application of ISO/IEC 17025 for asbestos sampling and testing
[12] Asbestos: the analysts guide for sampling, analysis and clearance procedures
[13] List of metals taken from RS Table 12 reuse criteria
[14] Dispose of waste to landfill - GOV.UK (www.gov.uk) (accessed 31/05/2022)

EA guidance on sampling rates for waste to landfill has been used to guide the sampling frequency proposed. Table 3 adapts the rate of sampling expressed as numbers of samples for tonnage ranges for homogenous and heterogenous wastes to provide guidance based on volume as volume is a more appropriate means of monitoring earthworks.

Table 3: Sampling frequency adapted from EA guidance on disposal of waste to landfill

Amount of waste (tonnes)	Amount of waste (m^3) (tonnes / 2.2)	Homogenous waste (number of samples)	Heterogenous waste (number of samples)
Less than 100	Less than 45	2	5
100 – 500	45 - 227	3	8
500 – 1,000	227 – 455	5	14
1,000 – 10,000	455 – 4,545	11	22
Plus (per additional 10,000)	4,545	+5 (prorata)	+10 (prorata)

For the homogenous reworked natural soils it is proposed to sample the waste at a rate of 1 sample per 500m^3 for first 5,000m^3 to provide increased confidence in the chemical quality of the waste and then reduce to 1 per 2,000m^3.

The Made Ground suitable for use without treatment will be sampled at the rate of 1 per 500m^3 throughout the works which is considered sufficient for both RS verification purposes and waste classification.

Analysis suite

The testing suite set out above includes the plausible contaminants in the waste. The TPH-CWG will be scheduled to specifically include C5 – C44 and laboratory interpretation for samples returning more than 1,000mg/kg TPH to guide assessment of the “oily waste” in accordance with WM3. TOC analysis will also be undertaken to determine geotechnical suitability (as set out in the ES), and as a measure of soil gas generation potential.

Assessment criteria

The data for the combined suite (reduced suite for RS requirements plus additional information for waste classification assessment) will be assessed in accordance with WM3. This may be by use of commercial software such as HazWasteOnLine or similar, or in-house tools. Only waste found to be non-hazardous in accordance with WM3 will be accepted for use in the works the subject of this EP application.

The method of sample collection, handling and analysis etc. as set out in the two RS and summarised in section 4.5.1 above are considered sufficient.

4.5.3 Other Testing

The waste is to be used as Class 2 general fill. The sampling and testing required is set out in table under headings “Appendix 1/5…” and “Appendix 6/1…” in the ES. The differentiation in both the RS between general fill and cover soil is with respect to contaminant concentrations only. Class 2 fill can be used in the cover soil scenario. It may be subject to lime improvement in order to reduce moisture content to enable the compaction performance to be achieved.

The waste may also be used as Class 7I material treated with lime or cement to produce a Class 9E capping material for use under roads. Therefore, the ES tables referred to above should be referred to for details of the sampling and testing required.

The waste may also be used as a soil plant growth medium and require sampling and testing as set out at Q28 of the Landscape Specification.

5. Waste Acceptance Procedures

The scope of WAP is set out in section 2.2 above. The sections that follow respond to each of the points setting out how the proposed methods of working will meet the requirements.

5.1 Confirming the Waste Matches its Description

The waste classification sampling and testing described in section 4.5 above will be used to confirm the waste matches the description previously established (sections 4.2 to 4.14 above). The waste may be sampled in situ – before excavation or following placement into stockpiles in materials management hubs. The data will be received before the waste is moved to use locations and hence only waste suitable for use will be retained / accepted into the permitted area.

Robust materials tracking procedures will be in place to ensure that waste in situ, in stockpiles and after permanent placement into the earthworks can be linked back to the analytical data. The software, SoilFLO[15] will be used to track all earthmoving activities, including for real time management of waste movement and temporary or permanent destinations. In this way the applicant can be confident of being able to confirm at any point where a specific stockpile arose from, the laboratory analysis data relevant to it and in due course where a stockpile was placed into earthworks. As well as providing the evidence that the waste matched the original description.

5.2 Measures to Ensure the Waste is Free from Contamination

As set out in section 13.3 of the Phase 1 RS and section 12.3 of the Phase 2 RS, a watching brief by a competent geo-environmental specialist will be in place during excavation. Including to identify visual and olfactory indicators of gross or unexpected contamination such as:

- presence of suspected asbestos containing materials;
- material saturated with free product – such as significant visible oil in soils; or
- significant odour emanating from soils.

If heavily contaminated materials are encountered, they will be segregated and despatched for disposal elsewhere. Such wastes do not meet the suitable for use in earthworks criteria and will not be retained for use in earthworks.

The earthworks areas and materials management hubs will be managed such that the waste does not become contaminated during storage or handing by for example diesel used to power mobile plant.

5.3 Chemical and Physical Specification – Suitable for Use - Site Specific Waste Acceptance Criteria

The criteria to be used are set out below and comprise both chemical and physical specifications. There are no “other criteria”.

5.3.1 Chemical specification

The chemical specification for the waste comprises:

- the reuse criteria set out in Table 13 of the Phase 1 RS for the specific determinants in the reduced scope of testing: and
- the waste must be classified as non-hazardous in accordance with WM3.

[15] SoilFLO - Soil Management Software

It is noted that the reuse criteria are higher than the ground investigation findings for the waste for many of the determinants. The reuse criteria are also at concentrations in some instances that would render waste as hazardous. There are no discrepancies in either the data gathered to date, the reuse criteria nor the specification that the waste to be used shall be non-hazardous.

The re-use criteria have been derived using:

- the Contaminated Land Exposure Assessment (CLEA) tool to derive reuse criteria for soil that are protective of human health; and
- the ConSim model to derive reuse criteria for soil that are protective of controlled waters.

Full details of methodology used to derive the criteria is set out in Appendix C of the Phase 1 RS. Where reuse criteria for a given contaminant have been derived for both human health and controlled waters, the lower of the criteria has been taken forward into Table 13 of the Phase 1 RS. It should be noted the use of waste is also dependant on the absence of gross contamination such as oil free product, staining and odours. Visible fragments of ACM should also be removed.

Table 13 of the Phase 1 RS is included as Appendix B.

5.3.2 Physical specification

The ES and the Landscape Specification are included as Appendix C and should be referred to for the detail of the physical specification.

See section 3.3 and 2.4 for information on the earthworks specification and Landscape Specification respectively.

5.4 Information from the Waste Producer

The applicant is the waste producer, and a single source of waste is to be used in the waste recovery activity. The guidance requirements regarding information waste producers will be required to provide are already known (original source of waste, previous use of the land to be excavated), or records will be made during the excavation works (treatment to remove unsuitable waste limited to segregation at the point of excavation) or before or after the waste is excavated (sampling and testing programme findings).

5.5 Record Keeping and Reporting

The sampling, testing and materials tracking information will be available on site throughout the works.

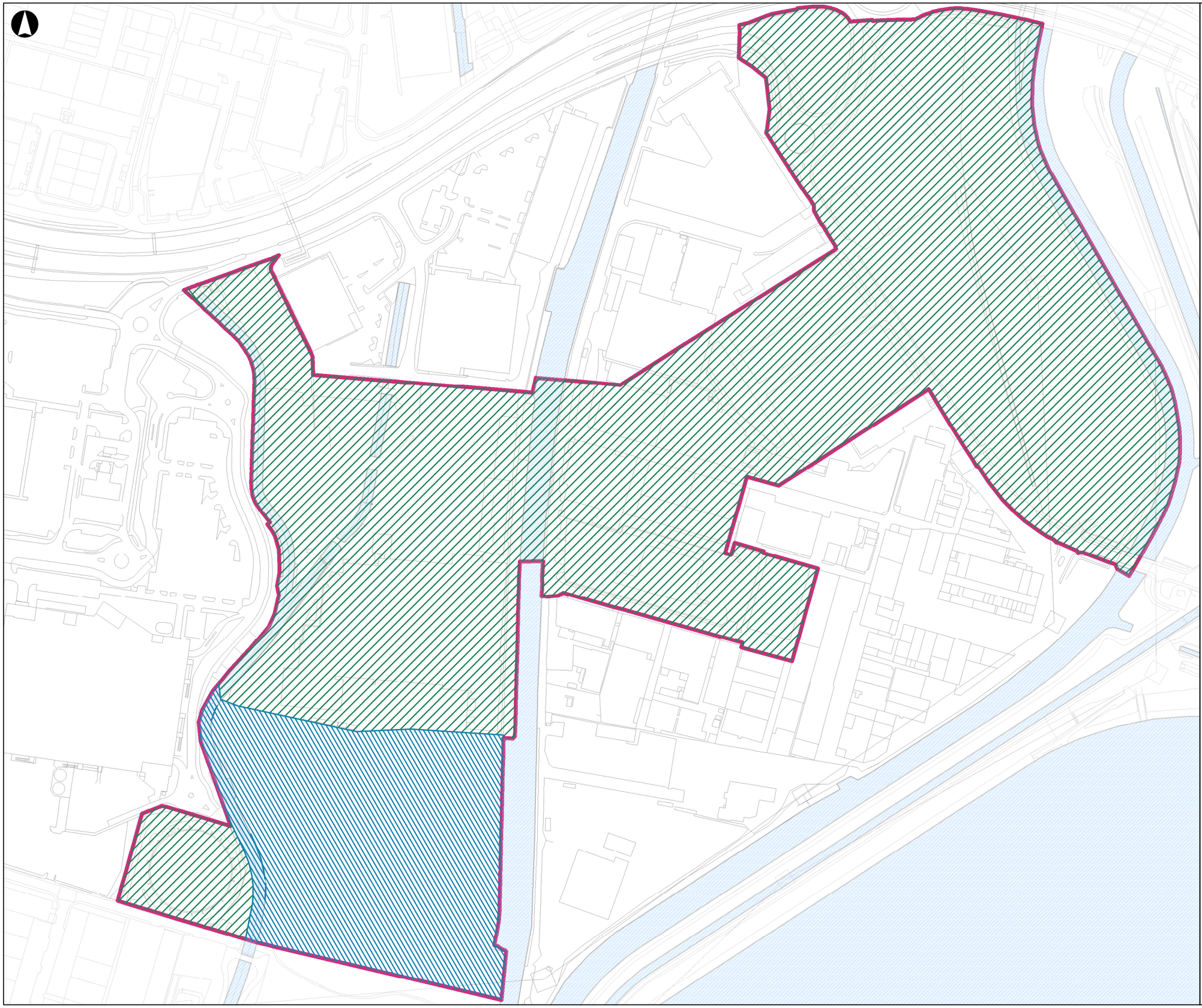
The information gathered over the duration of the earthworks will be documented in the verification report to be prepared as a requirement of the planning permission for the scheme.

APPENDICES

A. Remediation Strategy Drawings

Zones for general fill criteria drawing, Arup SIW Phase 1 Remediation Strategy, 2023

A3



Legend

- Zone A
- Zone B
- SIW - Phase 1 boundary

13/01/2022 06:52:58

Metres

0 37.5 75 150

Coordinate System: British National Grid

Rev	Date	By	Chkd	Appd
F2	2022-08-23	RH	JL	NB

ARUP

13 Fitzroy Street
London W1T 4BQ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client

London Borough of Enfield

Project Title

Meridian Water Remediation Strategy and Verification Plan

Drawing Title

Zones for general fill criteria

Scale at A3

1:3,000

Role

Suitability

For Issue

Arup Job No

260637

Rev

F2

Name

Drawing 9

B. Chemical specification

All waste to be used must be non-hazardous

Table 13 of Phase 1 RS – "*Reuse Criteria for general fill and cover soil*"

Contaminant	Reuse Criteria (mg/kg)		
	General Fill		Cover Soils
	Zone A	Zone B	
Arsenic	5,000 [B]	5,000 [B]	79 [B]
Beryllium	No criteria	No criteria	2.2 [A]
Cadmium	5,000 [B]	5,000 [B]	106 [A]
Chromium (trivalent)	No criteria	No criteria	1,539 [A]
Chromium (hexavalent)	No criteria	No criteria	21 [A]
Copper	1,500 [B]	1,500 [B]	270 [C]
Lead	No criteria	No criteria	630 [A]
Mercury (inorganic)	No criteria	No criteria	124 [A]
Nickel	5,000 [B]	5,000 [B]	150 [C]
Selenium	No criteria	No criteria	1,140 [A]
Vanadium	No criteria	No criteria	1,100 [A]
Zinc	2,000 [B]	2,000 [B]	400 [C]
Anthracene	10 [B]	10 [B]	10 [B]
Benzo(a)anthracene	102 [A]	No criteria	29 [A]
Benzo(a)pyrene	378 [A]	No criteria	5.7 [A]
Benzo(b)fluoranthene	338 [A]	No criteria	7.2 [A]
Benzo(k)fluoranthene	No criteria	No criteria	191 [A]
Benzo(g,h,i)perylene	No criteria	No criteria	637 [A]
Chrysene	926 [A]	No criteria	57 [A]
Dibenzo(a,h)anthracene	19.6 [A]	No criteria	0.57 [A]
Fluoranthene	100 [B]	100 [B]	100 [B]
Indeno(1,2,3-c,d)pyrene	No criteria	No criteria	82 [A]
Naphthalene	8.7 [A]	No criteria	8.7 [A]
Sum USEPA 16 PAHs	1,000[D]	1,000[D]	500 [D]
Benzene	1.1 [A]	30 [B]	1.1 [A]
Ethylbenzene	300 [A]	No criteria	300 [A]
Toluene	3,080 [A]	No criteria	3,080 [A]
O-Xylene	323 [A]	No criteria	323 [A]
M-Xylene	302 [A]	No criteria	302 [A]
P-Xylene	289 [A]	No criteria	289 [A]
Aliphatic TPH EC5 to EC6	118 [A]	No criteria	118 [A]
Aliphatic TPH >EC6 to EC8	349 [A]	No criteria	349 [A]

Contaminant	Reuse Criteria (mg/kg)		
	General Fill		Cover Soils
	Zone A	Zone B	
Aliphatic TPH >EC8 to EC10	98.9 [A]	No criteria	98.9 [A]
Aliphatic TPH >EC10 to EC12	499 [A]	No criteria	499 [A]
Aromatic TPH >EC5 to EC7	1,080 [A]	No criteria	1,080 [A]
Aromatic TPH >EC7 to EC8	3,030 [A]	No criteria	3,030 [A]
Aromatic TPH >EC8 to EC10	175 [A]	No criteria	175 [A]
Aromatic TPH >EC10 to EC12	964 [A]	No criteria	964 [A]
Sum aliphatic and aromatic TPH EC5 to 35	5,000 [D]	5,000 [D]	1,000 [D]
Hydrocarbon impacted soils	No grossly impacted soils or visible free phase	No grossly impacted soils or visible free phase	No visual or olfactory evidence
Ammoniacal nitrogen	1,000 [B]	1,000 [B]	1,000 [B]
Vinyl chloride	No criteria	No criteria	3.5 [A]
Total phenol	1,000 [D]	1,000 [D]	500 [D]
Total cyanide	1,000 [B]	1,000 [B]	24 [A]
Visible asbestos material	No visible material		
Non-visible material	<0.1%	0.1%	No detectable fibres
A – risk-based criteria for human health			
B – risk-based criteria for controlled waters			
C – Value is twice the criteria proposed for phytotoxic metals from BS 3882. This reflects the requirement to place topsoil above cover soils reducing root contact and potential for plant uptake			
D – Non-risk-based target criteria for total PAH and phenol set at 1,000mg/kg for general fill and 500mg/kg for landscaped soils. Non -risk based target criteria for sum of speciated TPH set at 5,000mg/kg for general fill and 1,000mg/kg for cover soil.			
In some cases, risk-based criteria for cover soil exceed general fill criteria (reflecting the inclusion of inhalation indoors in the risk model for the general criteria). In these cases, cover soil values have been capped at the value derived for general fill as these soils should be to a higher specification.			
Chemical criteria within this table apply specifically to reuse of site won material. Imported materials should also achieve these criteria but, more critically, they must achieve additional and more stringent requirements identified in Section 8.10.4 (i.e. be uncontaminated and excluding anthropogenic materials).			

C. Physical specification

Provided under separate cover due to file size.

Meridian Water Strategic Infrastructure Works, Enfield Earthworks Specification, Waterman, December 2022 (SIW-WAT-XX-XX-SP-C-820001-P02)

Construction Pack 2 – Meridian Water: Edmonton Marshes & Brooks Park Landscape Specification. Waterman July 2022 (SIW-WAT-A3-XX-SP-L-740003)

D. Chemical analysis data and waste classification assessments for waste to be used

HWOL output sheets for Made Ground

HWOL output sheets for Alluvium

HWOL output sheets for Natural Soils

Waste Classification Report

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

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

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

G062S-OEGMS-LCGMR

Job name

WIE16279 Meridian Water Made Ground

Description/Comments

Project

WIE16279

Site

Meridian Water

Classified by

Name:
Robbie Moore
Date:
20 Oct 2021 13:34 GMT
Telephone:
03300604367

Company:
Waterman Infrastructure and Environment Ltd

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	06 Jun 2019
Most recent 3 year Refresher	20 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	DZLV1_BH2074	1.5	Non Hazardous		3
2	DZLV1_BH2074[2]	2.5	Non Hazardous		6
3	DZLV1_TP2034	0.5	Non Hazardous		8
4	DZLV1_TP2034[2]	2.2	Non Hazardous		11
5	DZLV1_TP2034[3]	3.4	Non Hazardous		14
6	DZLV1_TP2035	0.4	Non Hazardous		17
7	DZLV1_TP2035[2]	2.4	Non Hazardous		20
8	DZLV1_TP2035A	3.5	Non Hazardous		22
9	DZLV1_TP2035A[2]	5.5	Non Hazardous		25
10	DZLV1_TP2036	0.5	Non Hazardous		28
11	DZLV1_TP2036[2]	1.2	Non Hazardous		31
12	DZLV1_TP2036A	3.5	Non Hazardous		34
13	DZLV1_TP2036A[2]	4.5	Non Hazardous		37
14	DZLV1_TP2038	0.3	Non Hazardous		40
15	DZLV1_TP2038[2]	1	Non Hazardous		43
16	DZLV1_TP2038[3]	1.6	Non Hazardous		45
17	DZLV1_TP2038[4]	2.6	Non Hazardous		48
18	DZLV1_TP2039	0.5	Non Hazardous		50
19	DZLV1_TP2039[2]	1.5	Non Hazardous		53
20	DZLV1_TP2039[3]	3.5	Non Hazardous		56
21	DZLV1_TP2039[4]	5.5	Non Hazardous		59
22	DZLV1_TP2041	1.5	Non Hazardous		62
23	DZLV1_TP2041[2]	3.2	Non Hazardous		65
24	DZLV1_TP2046	1.5	Non Hazardous		67
25	DZLV1_TP2046[2]	3.5	Non Hazardous		70
26	DZLV1_TP2046[3]	1	Hazardous	HP 2, HP 7, HP 10, HP 14	73
27	DZLV1_TP2046[4]	2	Non Hazardous		76
28	DZLV1_TP2047	0.1	Non Hazardous		79

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
29	DZLV1_TP2047[2]	2.1	Non Hazardous		82
30	DZLV1_TP2047[3]	3.1	Non Hazardous		85
31	DZLV1_TT2003	0.4	Non Hazardous		88
32	DZLV1_TT2003[2]	1.4	Non Hazardous		91
33	DZLV1_TT2003[3]	2.2	Non Hazardous		94
34	DZLV1_TT2003[4]	3	Non Hazardous		97

Related documents

#	Name	Description
1	Soil - Hazwaste Template 03.20 (WM3 1st ed v1.1.GB)	waste stream template used to create this Job

Report

Created by: Robbie Moore

Created date: 20 Oct 2021 13:34 GMT

Classification of sample: DZLV1_BH2074

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

Sample details

Sample name:
DZLV1_BH2074
Sample Depth:
1.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.44 mg/kg	1.32	7.183 mg/kg	0.000718 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.38 mg/kg	2.775	1.055 mg/kg	0.000105 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0945 mg/kg	1.142	0.108 mg/kg	0.0000108 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10 mg/kg	1.462	14.616 mg/kg	0.00146 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.17 mg/kg	1.126	8.073 mg/kg	0.000807 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	26.3 mg/kg		26.3 mg/kg	0.00263 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		9.2 mg/kg	1.273	11.708 mg/kg	0.00117 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		17.8 mg/kg	1.785	31.776 mg/kg	0.00318 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		37.1 mg/kg	1.245	46.179 mg/kg	0.00462 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }									
		006-007-00-5									
16	●	TPH (C6 to C40) petroleum group				43.3 mg/kg		43.3 mg/kg	0.00433 %	✓	
				TPH							
17		benzene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<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				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22	●	acenaphthylene				0.0258 mg/kg		0.0258 mg/kg	0.00000258 %	✓	
			205-917-1	208-96-8							
23	●	acenaphthene				0.0165 mg/kg		0.0165 mg/kg	0.00000165 %	✓	
			201-469-6	83-32-9							
24	●	fluorene				0.0202 mg/kg		0.0202 mg/kg	0.00000202 %	✓	
			201-695-5	86-73-7							
25	●	phenanthrene				0.37 mg/kg		0.37 mg/kg	0.000037 %	✓	
			201-581-5	85-01-8							
26	●	anthracene				0.0525 mg/kg		0.0525 mg/kg	0.00000525 %	✓	
			204-371-1	120-12-7							
27	●	fluoranthene				0.56 mg/kg		0.56 mg/kg	0.000056 %	✓	
			205-912-4	206-44-0							
28	●	pyrene				0.438 mg/kg		0.438 mg/kg	0.0000438 %	✓	
			204-927-3	129-00-0							
29		benzo[a]anthracene				0.198 mg/kg		0.198 mg/kg	0.0000198 %	✓	
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				0.201 mg/kg		0.201 mg/kg	0.0000201 %	✓	
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				0.275 mg/kg		0.275 mg/kg	0.0000275 %	✓	
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				0.0905 mg/kg		0.0905 mg/kg	0.00000905 %	✓	
		601-036-00-5	205-916-6	207-08-9							
33	●	indeno[123-cd]pyrene				0.142 mg/kg		0.142 mg/kg	0.0000142 %	✓	
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35	●	benzo[ghi]perylene				0.133 mg/kg		0.133 mg/kg	0.0000133 %	✓	
			205-883-8	191-24-2							
36		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0201 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00433%)

Classification of sample: DZLV1_BH2074[2]

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

Sample details

Sample name:
DZLV1_BH2074[2]
Sample Depth:
2.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.24 mg/kg	1.197	1.484 mg/kg	0.000148 %	✓	
2	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 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.703 mg/kg	2.775	1.951 mg/kg	0.000195 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.42 mg/kg	3.22	4.572 mg/kg	0.000457 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.193 mg/kg	1.142	0.22 mg/kg	0.000022 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19.7 mg/kg	1.462	28.793 mg/kg	0.00288 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.9 mg/kg	1.126	19.028 mg/kg	0.0019 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	41.2 mg/kg		41.2 mg/kg	0.00412 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<LOD
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		19.7 mg/kg	1.273	25.07 mg/kg	0.00251 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		33 mg/kg	1.785	58.911 mg/kg	0.00589 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		72.8 mg/kg	1.245	90.615 mg/kg	0.00906 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16	●	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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				0.02	mg/kg		0.02	mg/kg	0.000002 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22	●	acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
23	●	acenaphthene				0.0157	mg/kg		0.0157	mg/kg	0.00000157 %	✓	
			201-469-6	83-32-9									
24	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
25	●	phenanthrene				0.134	mg/kg		0.134	mg/kg	0.0000134 %	✓	
			201-581-5	85-01-8									
26	●	anthracene				0.0291	mg/kg		0.0291	mg/kg	0.00000291 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.224	mg/kg		0.224	mg/kg	0.0000224 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.193	mg/kg		0.193	mg/kg	0.0000193 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.0932	mg/kg		0.0932	mg/kg	0.00000932 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.0972	mg/kg		0.0972	mg/kg	0.00000972 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.148	mg/kg		0.148	mg/kg	0.0000148 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.048	mg/kg		0.048	mg/kg	0.0000048 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33	●	indeno[123-cd]pyrene				0.085	mg/kg		0.085	mg/kg	0.0000085 %	✓	
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35	●	benzo[ghi]perylene				0.078	mg/kg		0.078	mg/kg	0.0000078 %	✓	
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.03 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2034

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

Sample details

Sample name:
DZLV1_TP2034
Sample Depth:
0.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6	mg/kg	1.197	<0.718	mg/kg	<0.0000718 %		<LOD
2		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.38	mg/kg	1.32	12.385	mg/kg	0.00124 %	✓	
3		barium { barium oxide }		215-127-9	1304-28-5		0.145	mg/kg	1.117	0.162	mg/kg	0.0000162 %	✓	
4		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.981	mg/kg	2.775	2.723	mg/kg	0.000272 %	✓	
5		boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
6		cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.131	mg/kg	1.142	0.15	mg/kg	0.000015 %	✓	
7		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23	mg/kg	1.462	33.616	mg/kg	0.00336 %	✓	
8		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
9		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16.9	mg/kg	1.126	19.028	mg/kg	0.0019 %	✓	
10		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	24.4	mg/kg		24.4	mg/kg	0.00244 %	✓	
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001	mg/kg	1.353	<0.0001	mg/kg	<0.000000013 %		<LOD
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03	mg/kg	1.5	<0.045	mg/kg	<0.0000045 %		<LOD
13		nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		25.3	mg/kg	1.273	32.197	mg/kg	0.00322 %	✓	
14		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
15		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		46.2	mg/kg	1.785	82.476	mg/kg	0.00825 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				64.6	mg/kg	1.245	80.409	mg/kg	0.00804 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.06	mg/kg		0.06	mg/kg	0.000006 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.0527	mg/kg		0.0527	mg/kg	0.00000527 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0368	mg/kg		0.0368	mg/kg	0.00000368 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0302	mg/kg		0.0302	mg/kg	0.00000302 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.0559	mg/kg		0.0559	mg/kg	0.00000559 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0238	mg/kg		0.0238	mg/kg	0.00000238 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0335	mg/kg		0.0335	mg/kg	0.00000335 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2034[2]

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

Sample details

Sample name:
DZLV1_TP2034[2]
Sample Depth:
2.2 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.16 mg/kg	1.197	2.586 mg/kg	0.000259 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.9 mg/kg	1.32	17.032 mg/kg	0.0017 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.226 mg/kg	1.117	0.252 mg/kg	0.0000252 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.06 mg/kg	2.775	2.942 mg/kg	0.000294 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.03 mg/kg	3.22	3.316 mg/kg	0.000332 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.147 mg/kg	1.142	0.168 mg/kg	0.0000168 %	✓	
7	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 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		40 mg/kg	1.126	45.036 mg/kg	0.0045 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	74.5 mg/kg		74.5 mg/kg	0.00745 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		**<LOD**
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		**<LOD**
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		35.1 mg/kg	1.273	44.668 mg/kg	0.00447 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				2.19 mg/kg	1.405	3.077 mg/kg	0.000308 %	✓	
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		45.9 mg/kg	1.785	81.94 mg/kg	0.00819 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				107	mg/kg	1.245	133.184	mg/kg	0.0133 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				16.4	mg/kg		16.4	mg/kg	0.00164 %	✓	
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.0207	mg/kg		0.0207	mg/kg	0.00000207 %	✓	
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.128	mg/kg		0.128	mg/kg	0.0000128 %	✓	
			201-581-5	85-01-8									
28		anthracene				0.0341	mg/kg		0.0341	mg/kg	0.00000341 %	✓	
			204-371-1	120-12-7									
29		fluoranthene				0.388	mg/kg		0.388	mg/kg	0.0000388 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.345	mg/kg		0.345	mg/kg	0.0000345 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.199	mg/kg		0.199	mg/kg	0.0000199 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.183	mg/kg		0.183	mg/kg	0.0000183 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.295	mg/kg		0.295	mg/kg	0.0000295 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0981	mg/kg		0.0981	mg/kg	0.00000981 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.222	mg/kg		0.222	mg/kg	0.0000222 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0433	mg/kg		0.0433	mg/kg	0.00000433 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.19	mg/kg		0.19	mg/kg	0.000019 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0456 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00164%)

Classification of sample: DZLV1_TP2034[3]

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

Sample details

Sample name:
DZLV1_TP2034[3]
Sample Depth:
3.4 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		7.83 mg/kg	1.197	9.373 mg/kg	0.000937 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		17.9 mg/kg	1.32	23.634 mg/kg	0.00236 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.308 mg/kg	1.117	0.344 mg/kg	0.0000344 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.46 mg/kg	2.775	4.052 mg/kg	0.000405 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.58 mg/kg	3.22	5.087 mg/kg	0.000509 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.527 mg/kg	1.142	0.602 mg/kg	0.0000602 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38.4 mg/kg	1.462	56.124 mg/kg	0.00561 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		160 mg/kg	1.126	180.142 mg/kg	0.018 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	269 mg/kg		269 mg/kg	0.0269 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.0931 mg/kg	1.5	0.14 mg/kg	0.000014 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		47.3 mg/kg	1.273	60.194 mg/kg	0.00602 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.1 mg/kg	1.405	1.546 mg/kg	0.000155 %	✓	
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		65.2 mg/kg	1.785	116.394 mg/kg	0.0116 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				357	mg/kg	1.245	444.363	mg/kg	0.0444 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.0461	mg/kg		0.0461	mg/kg	0.00000461 %	✓	
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.131	mg/kg		0.131	mg/kg	0.0000131 %	✓	
			201-581-5	85-01-8									
28		anthracene				0.0432	mg/kg		0.0432	mg/kg	0.00000432 %	✓	
			204-371-1	120-12-7									
29		fluoranthene				0.513	mg/kg		0.513	mg/kg	0.0000513 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.457	mg/kg		0.457	mg/kg	0.0000457 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.271	mg/kg		0.271	mg/kg	0.0000271 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.267	mg/kg		0.267	mg/kg	0.0000267 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.451	mg/kg		0.451	mg/kg	0.0000451 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.166	mg/kg		0.166	mg/kg	0.0000166 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.209	mg/kg		0.209	mg/kg	0.0000209 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0463	mg/kg		0.0463	mg/kg	0.00000463 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.318	mg/kg		0.318	mg/kg	0.0000318 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.119 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2035

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

Sample details

Sample name:
DZLV1_TP2035
Sample Depth:
0.4 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	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 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.418 mg/kg	1.117	0.467 mg/kg	0.0000467 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.16 mg/kg	2.775	3.219 mg/kg	0.000322 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.57 mg/kg	3.22	5.055 mg/kg	0.000506 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.02 mg/kg	1.142	<0.0228 mg/kg	<0.00000228 %		<LOD
7	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 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	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 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	33.4 mg/kg		33.4 mg/kg	0.00334 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		28.5 mg/kg	1.273	36.269 mg/kg	0.00363 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		58.4 mg/kg	1.785	104.255 mg/kg	0.0104 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				82.7	mg/kg	1.245	102.938	mg/kg	0.0103 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.0418	mg/kg		0.0418	mg/kg	0.00000418 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.159	mg/kg		0.159	mg/kg	0.0000159 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.14	mg/kg		0.14	mg/kg	0.000014 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0845	mg/kg		0.0845	mg/kg	0.00000845 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0866	mg/kg		0.0866	mg/kg	0.00000866 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.129	mg/kg		0.129	mg/kg	0.0000129 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0449	mg/kg		0.0449	mg/kg	0.00000449 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0551	mg/kg		0.0551	mg/kg	0.00000551 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0628	mg/kg		0.0628	mg/kg	0.00000628 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2035[2]

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

Sample details

Sample name:
DZLV1_TP2035[2]
Sample Depth:
2.4 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.58 mg/kg	1.32	12.649 mg/kg	0.00126 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.11 mg/kg	2.775	3.081 mg/kg	0.000308 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.28 mg/kg	3.22	4.121 mg/kg	0.000412 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.199 mg/kg	1.142	0.227 mg/kg	0.0000227 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27.7 mg/kg	1.462	40.485 mg/kg	0.00405 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	23.644 mg/kg	0.00236 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	24.4 mg/kg		24.4 mg/kg	0.00244 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<LOD
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		28 mg/kg	1.273	35.633 mg/kg	0.00356 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		52.1 mg/kg	1.785	93.008 mg/kg	0.0093 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		71.3 mg/kg	1.245	88.748 mg/kg	0.00887 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.0287	mg/kg		0.0287	mg/kg	0.00000287 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.0739	mg/kg		0.0739	mg/kg	0.00000739 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.0655	mg/kg		0.0655	mg/kg	0.00000655 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.0346	mg/kg		0.0346	mg/kg	0.00000346 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.0281	mg/kg		0.0281	mg/kg	0.00000281 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.0491	mg/kg		0.0491	mg/kg	0.00000491 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0342 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2035A

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

Sample details

Sample name:
DZLV1_TP2035A
Sample Depth:
3.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.61 mg/kg	1.32	12.688 mg/kg	0.00127 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.216 mg/kg	1.117	0.241 mg/kg	0.0000241 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.28 mg/kg	2.775	3.552 mg/kg	0.000355 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.42 mg/kg	3.22	4.572 mg/kg	0.000457 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.236 mg/kg	1.142	0.27 mg/kg	0.000027 %	✓	
7	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 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	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 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22.5 mg/kg		22.5 mg/kg	0.00225 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.0366 mg/kg	1.5	0.0549 mg/kg	0.00000549 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		34.4 mg/kg	1.273	43.777 mg/kg	0.00438 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.26 mg/kg	1.405	1.77 mg/kg	0.000177 %	✓	
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		66 mg/kg	1.785	117.822 mg/kg	0.0118 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				95.3	mg/kg	1.245	118.621	mg/kg	0.0119 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.0691	mg/kg		0.0691	mg/kg	0.00000691 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.0616	mg/kg		0.0616	mg/kg	0.00000616 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0456	mg/kg		0.0456	mg/kg	0.00000456 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0429	mg/kg		0.0429	mg/kg	0.00000429 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.0564	mg/kg		0.0564	mg/kg	0.00000564 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0223	mg/kg		0.0223	mg/kg	0.00000223 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0265	mg/kg		0.0265	mg/kg	0.00000265 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0365	mg/kg		0.0365	mg/kg	0.00000365 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0427 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2035A[2]

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

Sample details

Sample name:	LoW Code:	
DZLV1_TP2035A[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
5.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.14 mg/kg	1.32	9.427 mg/kg	0.000943 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.525 mg/kg	1.117	0.586 mg/kg	0.0000586 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.706 mg/kg	2.775	1.959 mg/kg	0.000196 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.165 mg/kg	1.142	0.188 mg/kg	0.0000188 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18.6 mg/kg	1.462	27.185 mg/kg	0.00272 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
9	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 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.51 mg/kg		8.51 mg/kg	0.000851 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.0001 mg/kg	1.353	0.0001 mg/kg	0.000000019 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.183 mg/kg	1.5	0.275 mg/kg	0.0000275 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		20.3 mg/kg	1.273	25.834 mg/kg	0.00258 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		35 mg/kg	1.785	62.481 mg/kg	0.00625 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				49.9	mg/kg	1.245	62.111	mg/kg	0.00621 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				13	mg/kg		13	mg/kg	0.0013 %	✓	
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
			205-912-4	206-44-0									
30		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0233 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

Classification of sample: DZLV1_TP2036

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

Sample details

Sample name:
DZLV1_TP2036
Sample Depth:
0.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	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 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.119 mg/kg	1.117	0.133 mg/kg	0.0000133 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.944 mg/kg	2.775	2.62 mg/kg	0.000262 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0251 mg/kg	1.142	0.0287 mg/kg	0.00000287 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21.5 mg/kg	1.462	31.423 mg/kg	0.00314 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		15.5 mg/kg	1.126	17.451 mg/kg	0.00175 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	21.3 mg/kg		21.3 mg/kg	0.00213 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		25.7 mg/kg	1.273	32.706 mg/kg	0.00327 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		47 mg/kg	1.785	83.904 mg/kg	0.00839 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				64.2	mg/kg	1.245	79.911	mg/kg	0.00799 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				19.9	mg/kg		19.9	mg/kg	0.00199 %	✓	
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.0372	mg/kg		0.0372	mg/kg	0.00000372 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.108	mg/kg		0.108	mg/kg	0.0000108 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.0963	mg/kg		0.0963	mg/kg	0.00000963 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0523	mg/kg		0.0523	mg/kg	0.00000523 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0522	mg/kg		0.0522	mg/kg	0.00000522 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.0517	mg/kg		0.0517	mg/kg	0.00000517 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0288	mg/kg		0.0288	mg/kg	0.00000288 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0352	mg/kg		0.0352	mg/kg	0.00000352 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0485	mg/kg		0.0485	mg/kg	0.00000485 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0313 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00199%)

Classification of sample: DZLV1_TP2036[2]

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

Sample details

Sample name:
DZLV1_TP2036[2]
Sample Depth:
1.2 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<6 mg/kg	1.197	<7.183 mg/kg	<0.000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16.4 mg/kg	1.32	21.653 mg/kg	0.00217 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.243 mg/kg	1.117	0.271 mg/kg	0.0000271 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.15 mg/kg	2.775	3.192 mg/kg	0.000319 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.59 mg/kg	3.22	5.12 mg/kg	0.000512 %	✓	
6	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
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35 mg/kg	1.462	51.154 mg/kg	0.00512 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17.3 mg/kg	1.126	19.478 mg/kg	0.00195 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	25.8 mg/kg		25.8 mg/kg	0.00258 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.105 mg/kg	1.5	0.158 mg/kg	0.0000158 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		33.5 mg/kg	1.273	42.632 mg/kg	0.00426 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<10 mg/kg	1.405	<14.05 mg/kg	<0.00141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		67.2 mg/kg	1.785	119.964 mg/kg	0.012 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				80.2	mg/kg	1.245	99.826	mg/kg	0.00998 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.0453	mg/kg		0.0453	mg/kg	0.00000453 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.0959	mg/kg		0.0959	mg/kg	0.00000959 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.0824	mg/kg		0.0824	mg/kg	0.00000824 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0472	mg/kg		0.0472	mg/kg	0.00000472 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0469	mg/kg		0.0469	mg/kg	0.00000469 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.0575	mg/kg		0.0575	mg/kg	0.00000575 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0248	mg/kg		0.0248	mg/kg	0.00000248 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0382	mg/kg		0.0382	mg/kg	0.00000382 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0411	mg/kg		0.0411	mg/kg	0.00000411 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0424 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2036A

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

Sample details

Sample name:
DZLV1_TP2036A
Sample Depth:
3.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		0.636 mg/kg	1.197	0.761 mg/kg	0.0000761 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.64 mg/kg	1.32	11.408 mg/kg	0.00114 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.702 mg/kg	2.775	1.948 mg/kg	0.000195 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.21 mg/kg	1.142	0.24 mg/kg	0.000024 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17.2 mg/kg	1.462	25.139 mg/kg	0.00251 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11.1 mg/kg	1.126	12.497 mg/kg	0.00125 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16.5 mg/kg		16.5 mg/kg	0.00165 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		19.3 mg/kg	1.273	24.561 mg/kg	0.00246 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		32.9 mg/kg	1.785	58.733 mg/kg	0.00587 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		52.1 mg/kg	1.245	64.85 mg/kg	0.00648 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				25.9	mg/kg		25.9	mg/kg	0.00259 %	✓	
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0251 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

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: DZLV1_TP2036A[2]

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

Sample details

Sample name:
DZLV1_TP2036A[2]
Sample Depth:
4.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.06 mg/kg	1.32	9.321 mg/kg	0.000932 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.311 mg/kg	1.117	0.347 mg/kg	0.0000347 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.72 mg/kg	2.775	1.998 mg/kg	0.0002 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.167 mg/kg	1.142	0.191 mg/kg	0.0000191 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19 mg/kg	1.462	27.77 mg/kg	0.00278 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10.3 mg/kg	1.126	11.597 mg/kg	0.00116 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.12 mg/kg		8.12 mg/kg	0.000812 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.0469 mg/kg	1.5	0.0704 mg/kg	0.00000704 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		18.9 mg/kg	1.273	24.052 mg/kg	0.00241 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		34 mg/kg	1.785	60.696 mg/kg	0.00607 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				44.8	mg/kg	1.245	55.763	mg/kg	0.00558 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				16.9	mg/kg		16.9	mg/kg	0.00169 %	✓	
				TPH									
19		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
			205-912-4	206-44-0									
30		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00169%)

Classification of sample: DZLV1_TP2038

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

Sample details

Sample name:
DZLV1_TP2038
Sample Depth:
0.3 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		0.652 mg/kg	1.197	0.781 mg/kg	0.0000781 %	✓	
2	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 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.21 mg/kg	2.775	3.358 mg/kg	0.000336 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.17 mg/kg	3.22	3.767 mg/kg	0.000377 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.409 mg/kg	1.142	0.467 mg/kg	0.0000467 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.1 mg/kg	1.462	36.685 mg/kg	0.00367 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
8	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 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	28.3 mg/kg		28.3 mg/kg	0.00283 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<LOD
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		33.6 mg/kg	1.273	42.759 mg/kg	0.00428 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		59.7 mg/kg	1.785	106.576 mg/kg	0.0107 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		84.5 mg/kg	1.245	105.178 mg/kg	0.0105 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				98.8	mg/kg		98.8	mg/kg	0.00988 %	✓	
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.0372	mg/kg		0.0372	mg/kg	0.00000372 %	✓	
			201-581-5	85-01-8									
26		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.111	mg/kg		0.111	mg/kg	0.0000111 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.101	mg/kg		0.101	mg/kg	0.0000101 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.0669	mg/kg		0.0669	mg/kg	0.00000669 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.0763	mg/kg		0.0763	mg/kg	0.00000763 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.119	mg/kg		0.119	mg/kg	0.0000119 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.0397	mg/kg		0.0397	mg/kg	0.00000397 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				0.0655	mg/kg		0.0655	mg/kg	0.00000655 %	✓	
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				0.0711	mg/kg		0.0711	mg/kg	0.00000711 %	✓	
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00988%)

Classification of sample: DZLV1_TP2038[2]

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

Sample details

Sample name:
DZLV1_TP2038[2]
Sample Depth:
1 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		28.9 mg/kg	1.32	38.157 mg/kg	0.00382 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.18 mg/kg	2.775	3.275 mg/kg	0.000327 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.276 mg/kg	1.142	0.315 mg/kg	0.0000315 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13.1 mg/kg	1.462	19.146 mg/kg	0.00191 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10.3 mg/kg	1.126	11.597 mg/kg	0.00116 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	18.8 mg/kg		18.8 mg/kg	0.00188 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		29 mg/kg	1.273	36.905 mg/kg	0.00369 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		48.4 mg/kg	1.785	86.403 mg/kg	0.00864 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		83.3 mg/kg	1.245	103.685 mg/kg	0.0104 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }									
		006-007-00-5									
16	●	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
				TPH							
17		benzene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<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				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22	●	acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
23	●	acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
24	●	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
25	●	phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
26	●	anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
27	●	fluoranthene				0.0285 mg/kg		0.0285 mg/kg	0.00000285 %	✓	
			205-912-4	206-44-0							
28	●	pyrene				0.0261 mg/kg		0.0261 mg/kg	0.00000261 %	✓	
			204-927-3	129-00-0							
29		benzo[a]anthracene				0.0193 mg/kg		0.0193 mg/kg	0.00000193 %	✓	
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				0.02 mg/kg		0.02 mg/kg	0.000002 %	✓	
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				0.0333 mg/kg		0.0333 mg/kg	0.00000333 %	✓	
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33	●	indeno[123-cd]pyrene				0.0203 mg/kg		0.0203 mg/kg	0.00000203 %	✓	
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35	●	benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
36		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2038[3]

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

Sample details

Sample name:
DZLV1_TP2038[3]
Sample Depth:
1.6 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		0.925 mg/kg	1.197	1.107 mg/kg	0.000111 %	✓	
2	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 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.51 mg/kg	2.775	4.191 mg/kg	0.000419 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.59 mg/kg	3.22	5.12 mg/kg	0.000512 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.413 mg/kg	1.142	0.472 mg/kg	0.0000472 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35.2 mg/kg	1.462	51.447 mg/kg	0.00514 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25.7 mg/kg	1.126	28.935 mg/kg	0.00289 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	55.7 mg/kg		55.7 mg/kg	0.00557 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		32.9 mg/kg	1.273	41.868 mg/kg	0.00419 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		74.2 mg/kg	1.785	132.461 mg/kg	0.0132 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		101 mg/kg	1.245	125.716 mg/kg	0.0126 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }									
		006-007-00-5									
16	●	TPH (C6 to C40) petroleum group				27.9 mg/kg		27.9 mg/kg	0.00279 %	✓	
				TPH							
17		benzene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<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				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22	●	acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
23	●	acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
24	●	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
25	●	phenanthrene				0.0253 mg/kg		0.0253 mg/kg	0.00000253 %	✓	
			201-581-5	85-01-8							
26	●	anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
27	●	fluoranthene				0.0974 mg/kg		0.0974 mg/kg	0.00000974 %	✓	
			205-912-4	206-44-0							
28	●	pyrene				0.0884 mg/kg		0.0884 mg/kg	0.00000884 %	✓	
			204-927-3	129-00-0							
29		benzo[a]anthracene				0.0581 mg/kg		0.0581 mg/kg	0.00000581 %	✓	
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				0.068 mg/kg		0.068 mg/kg	0.0000068 %	✓	
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				0.103 mg/kg		0.103 mg/kg	0.0000103 %	✓	
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				0.0346 mg/kg		0.0346 mg/kg	0.00000346 %	✓	
		601-036-00-5	205-916-6	207-08-9							
33	●	indeno[123-cd]pyrene				0.0593 mg/kg		0.0593 mg/kg	0.00000593 %	✓	
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35	●	benzo[ghi]perylene				0.0616 mg/kg		0.0616 mg/kg	0.00000616 %	✓	
			205-883-8	191-24-2							
36		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0495 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00279%)

Classification of sample: DZLV1_TP2038[4]

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

Sample details

Sample name:
DZLV1_TP2038[4]
Sample Depth:
2.6 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15.6 mg/kg	1.32	20.597 mg/kg	0.00206 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.38 mg/kg	2.775	3.83 mg/kg	0.000383 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.314 mg/kg	1.142	0.359 mg/kg	0.0000359 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33.2 mg/kg	1.462	48.524 mg/kg	0.00485 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19.5 mg/kg	1.126	21.955 mg/kg	0.0022 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16.5 mg/kg		16.5 mg/kg	0.00165 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<LOD
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		36.8 mg/kg	1.273	46.831 mg/kg	0.00468 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		76.1 mg/kg	1.785	135.853 mg/kg	0.0136 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		92.8 mg/kg	1.245	115.509 mg/kg	0.0116 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0429 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2039

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

Sample details

Sample name:
DZLV1_TP2039
Sample Depth:
0.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.03 mg/kg	1.197	1.233 mg/kg	0.000123 %	✓	
2	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 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.255 mg/kg	1.117	0.285 mg/kg	0.0000285 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.903 mg/kg	2.775	2.506 mg/kg	0.000251 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.15 mg/kg	3.22	6.923 mg/kg	0.000692 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.09 mg/kg	1.142	1.245 mg/kg	0.000125 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22.8 mg/kg	1.462	33.323 mg/kg	0.00333 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26.8 mg/kg	1.126	30.174 mg/kg	0.00302 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	52.1 mg/kg		52.1 mg/kg	0.00521 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.582 mg/kg	1.5	0.873 mg/kg	0.0000873 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		26.5 mg/kg	1.273	33.724 mg/kg	0.00337 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49.2 mg/kg	1.785	87.831 mg/kg	0.00878 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				120	mg/kg	1.245	149.366	mg/kg	0.0149 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.0156	mg/kg		0.0156	mg/kg	0.00000156 %	✓	
			205-917-1	208-96-8									
25		acenaphthene				0.0494	mg/kg		0.0494	mg/kg	0.00000494 %	✓	
			201-469-6	83-32-9									
26		fluorene				0.0427	mg/kg		0.0427	mg/kg	0.00000427 %	✓	
			201-695-5	86-73-7									
27		phenanthrene				0.558	mg/kg		0.558	mg/kg	0.0000558 %	✓	
			201-581-5	85-01-8									
28		anthracene				0.192	mg/kg		0.192	mg/kg	0.0000192 %	✓	
			204-371-1	120-12-7									
29		fluoranthene				0.994	mg/kg		0.994	mg/kg	0.0000994 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.84	mg/kg		0.84	mg/kg	0.000084 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.439	mg/kg		0.439	mg/kg	0.0000439 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.368	mg/kg		0.368	mg/kg	0.0000368 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.573	mg/kg		0.573	mg/kg	0.0000573 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.21	mg/kg		0.21	mg/kg	0.000021 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.231	mg/kg		0.231	mg/kg	0.0000231 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0556	mg/kg		0.0556	mg/kg	0.00000556 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.286	mg/kg		0.286	mg/kg	0.0000286 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0434 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2039[2]

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

Sample details

Sample name:
DZLV1_TP2039[2]
Sample Depth:
1.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		0.645 mg/kg	1.197	0.772 mg/kg	0.0000772 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.31 mg/kg	1.32	9.652 mg/kg	0.000965 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.36 mg/kg	1.117	0.402 mg/kg	0.0000402 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.517 mg/kg	2.775	1.435 mg/kg	0.000143 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.176 mg/kg	1.142	0.201 mg/kg	0.0000201 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		10.9 mg/kg	1.462	15.931 mg/kg	0.00159 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10.1 mg/kg	1.126	11.371 mg/kg	0.00114 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19 mg/kg		19 mg/kg	0.0019 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		15.1 mg/kg	1.273	19.216 mg/kg	0.00192 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24.1 mg/kg	1.785	43.023 mg/kg	0.0043 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				36.9	mg/kg	1.245	45.93	mg/kg	0.00459 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				13.6	mg/kg		13.6	mg/kg	0.00136 %	✓	
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.0625	mg/kg		0.0625	mg/kg	0.00000625 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.118	mg/kg		0.118	mg/kg	0.0000118 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.098	mg/kg		0.098	mg/kg	0.0000098 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0503	mg/kg		0.0503	mg/kg	0.00000503 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0454	mg/kg		0.0454	mg/kg	0.00000454 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.079	mg/kg		0.079	mg/kg	0.0000079 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0257	mg/kg		0.0257	mg/kg	0.00000257 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0398	mg/kg		0.0398	mg/kg	0.00000398 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0453	mg/kg		0.0453	mg/kg	0.00000453 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0189 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00136%)

Classification of sample: DZLV1_TP2039[3]

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

Sample details

Sample name:
DZLV1_TP2039[3]
Sample Depth:
3.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.3 mg/kg	1.197	1.556 mg/kg	0.000156 %	✓	
2	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 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.225 mg/kg	1.117	0.251 mg/kg	0.0000251 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.67 mg/kg	2.775	4.635 mg/kg	0.000463 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.14 mg/kg	3.22	3.671 mg/kg	0.000367 %	✓	
6	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 %	✓	
7	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 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25 mg/kg	1.126	28.147 mg/kg	0.00281 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	41.2 mg/kg		41.2 mg/kg	0.00412 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		39.8 mg/kg	1.273	50.649 mg/kg	0.00506 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		94.6 mg/kg	1.785	168.878 mg/kg	0.0169 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				111	mg/kg	1.245	138.163	mg/kg	0.0138 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
29		fluoranthene				0.035	mg/kg		0.035	mg/kg	0.0000035 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.0296	mg/kg		0.0296	mg/kg	0.00000296 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0532 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2039[4]

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

Sample details

Sample name:	LoW Code:
DZLV1_TP2039[4]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
5.5 m	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.07 mg/kg	1.197	2.478 mg/kg	0.000248 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11.8 mg/kg	1.32	15.58 mg/kg	0.00156 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.387 mg/kg	1.117	0.432 mg/kg	0.0000432 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.08 mg/kg	2.775	2.997 mg/kg	0.0003 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.33 mg/kg	3.22	4.282 mg/kg	0.000428 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.442 mg/kg	1.142	0.505 mg/kg	0.0000505 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23.8 mg/kg	1.462	34.785 mg/kg	0.00348 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		183 mg/kg	1.126	206.038 mg/kg	0.0206 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	235 mg/kg		235 mg/kg	0.0235 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		**<LOD**
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.0434 mg/kg	1.5	0.0651 mg/kg	0.00000651 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		31 mg/kg	1.273	39.45 mg/kg	0.00395 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		43.2 mg/kg	1.785	77.12 mg/kg	0.00771 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				157	mg/kg	1.245	195.42	mg/kg	0.0195 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				1.74	mg/kg	1.884	3.278	mg/kg	0.000328 %	✓	
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				13.4	mg/kg		13.4	mg/kg	0.00134 %	✓	
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
29		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
30		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0834 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00134%)

Classification of sample: DZLV1_TP2041

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

Sample details

Sample name:
DZLV1_TP2041
Sample Depth:
1.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.92 mg/kg	1.197	3.496 mg/kg	0.00035 %	✓	
2	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 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.12 mg/kg	2.775	3.108 mg/kg	0.000311 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.94 mg/kg	3.22	6.247 mg/kg	0.000625 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.331 mg/kg	1.142	0.378 mg/kg	0.0000378 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23.3 mg/kg	1.462	34.054 mg/kg	0.00341 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		48.6 mg/kg	1.126	54.718 mg/kg	0.00547 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	142 mg/kg		142 mg/kg	0.0142 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<LOD
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		29.5 mg/kg	1.273	37.541 mg/kg	0.00375 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49.3 mg/kg	1.785	88.01 mg/kg	0.0088 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		136 mg/kg	1.245	169.281 mg/kg	0.0169 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				157	mg/kg		157	mg/kg	0.0157 %	✓	
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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				0.028	mg/kg		0.028	mg/kg	0.0000028 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.0331	mg/kg		0.0331	mg/kg	0.00000331 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				0.182	mg/kg		0.182	mg/kg	0.0000182 %	✓	
			201-469-6	83-32-9									
24		fluorene				0.135	mg/kg		0.135	mg/kg	0.0000135 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				2.67	mg/kg		2.67	mg/kg	0.000267 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.537	mg/kg		0.537	mg/kg	0.0000537 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				4.57	mg/kg		4.57	mg/kg	0.000457 %	✓	
			205-912-4	206-44-0									
28		pyrene				3.9	mg/kg		3.9	mg/kg	0.00039 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				2.4	mg/kg		2.4	mg/kg	0.00024 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.99	mg/kg		1.99	mg/kg	0.000199 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				2.12	mg/kg		2.12	mg/kg	0.000212 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.965	mg/kg		0.965	mg/kg	0.0000965 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				1.25	mg/kg		1.25	mg/kg	0.000125 %	✓	
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.39	mg/kg		0.39	mg/kg	0.000039 %	✓	
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				1.46	mg/kg		1.46	mg/kg	0.000146 %	✓	
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0739 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0157%)

Classification of sample: DZLV1_TP2041[2]

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

Sample details

Sample name:
DZLV1_TP2041[2]
Sample Depth:
3.2 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.76 mg/kg	1.197	5.698 mg/kg	0.00057 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.6 mg/kg	1.32	13.995 mg/kg	0.0014 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.886 mg/kg	2.775	2.459 mg/kg	0.000246 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.29 mg/kg	3.22	4.154 mg/kg	0.000415 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.379 mg/kg	1.142	0.433 mg/kg	0.0000433 %	✓	
6	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 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		78.7 mg/kg	1.126	88.607 mg/kg	0.00886 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	51.5 mg/kg		51.5 mg/kg	0.00515 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		28.6 mg/kg	1.273	36.396 mg/kg	0.00364 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37.6 mg/kg	1.785	67.123 mg/kg	0.00671 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		137 mg/kg	1.245	170.526 mg/kg	0.0171 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }									
		006-007-00-5									
16	●	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
				TPH							
17		benzene				<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
18		toluene				<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
19	●	ethylbenzene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<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				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22	●	acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
23	●	acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
24	●	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
25	●	phenanthrene				0.0487 mg/kg		0.0487 mg/kg	0.00000487 %	✓	
			201-581-5	85-01-8							
26	●	anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
27	●	fluoranthene				0.127 mg/kg		0.127 mg/kg	0.0000127 %	✓	
			205-912-4	206-44-0							
28	●	pyrene				0.102 mg/kg		0.102 mg/kg	0.0000102 %	✓	
			204-927-3	129-00-0							
29		benzo[a]anthracene				0.062 mg/kg		0.062 mg/kg	0.0000062 %	✓	
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				0.0554 mg/kg		0.0554 mg/kg	0.00000554 %	✓	
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				0.078 mg/kg		0.078 mg/kg	0.0000078 %	✓	
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				0.0321 mg/kg		0.0321 mg/kg	0.00000321 %	✓	
		601-036-00-5	205-916-6	207-08-9							
33	●	indeno[123-cd]pyrene				0.0431 mg/kg		0.0431 mg/kg	0.00000431 %	✓	
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35	●	benzo[ghi]perylene				0.0511 mg/kg		0.0511 mg/kg	0.00000511 %	✓	
			205-883-8	191-24-2							
36		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0484 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2046

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

Sample details

Sample name:	LoW Code:	
DZLV1_TP2046	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		9.66 mg/kg	1.197	11.564 mg/kg	0.00116 %	✓	
2	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 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.376 mg/kg	1.117	0.42 mg/kg	0.000042 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.873 mg/kg	2.775	2.423 mg/kg	0.000242 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.54 mg/kg	3.22	4.959 mg/kg	0.000496 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.251 mg/kg	1.142	0.287 mg/kg	0.0000287 %	✓	
7	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 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		72 mg/kg	1.126	81.064 mg/kg	0.00811 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	222 mg/kg		222 mg/kg	0.0222 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<**LOD**
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.0614 mg/kg	1.5	0.0921 mg/kg	0.00000921 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		23.2 mg/kg	1.273	29.524 mg/kg	0.00295 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		43.6 mg/kg	1.785	77.834 mg/kg	0.00778 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				198	mg/kg	1.245	246.453	mg/kg	0.0246 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				29.9	mg/kg		29.9	mg/kg	0.00299 %	✓	
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.0247	mg/kg		0.0247	mg/kg	0.00000247 %	✓	
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.195	mg/kg		0.195	mg/kg	0.0000195 %	✓	
			201-581-5	85-01-8									
28		anthracene				0.0318	mg/kg		0.0318	mg/kg	0.00000318 %	✓	
			204-371-1	120-12-7									
29		fluoranthene				0.832	mg/kg		0.832	mg/kg	0.0000832 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.744	mg/kg		0.744	mg/kg	0.0000744 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.386	mg/kg		0.386	mg/kg	0.0000386 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.363	mg/kg		0.363	mg/kg	0.0000363 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.6	mg/kg		0.6	mg/kg	0.00006 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.213	mg/kg		0.213	mg/kg	0.0000213 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.208	mg/kg		0.208	mg/kg	0.0000208 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.0594	mg/kg		0.0594	mg/kg	0.00000594 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.271	mg/kg		0.271	mg/kg	0.0000271 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.077 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00299%)

Classification of sample: DZLV1_TP2046[2]

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

Sample details

Sample name:
DZLV1_TP2046[2]
Sample Depth:
3.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.43 mg/kg	1.197	1.712 mg/kg	0.000171 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.7 mg/kg	1.32	18.088 mg/kg	0.00181 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.402 mg/kg	1.117	0.449 mg/kg	0.0000449 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.09 mg/kg	2.775	3.025 mg/kg	0.000303 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.41 mg/kg	3.22	4.54 mg/kg	0.000454 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.338 mg/kg	1.142	0.386 mg/kg	0.0000386 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		27.3 mg/kg	1.462	39.9 mg/kg	0.00399 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	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 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	51.2 mg/kg		51.2 mg/kg	0.00512 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.032 mg/kg	1.5	0.048 mg/kg	0.0000048 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		27.4 mg/kg	1.273	34.869 mg/kg	0.00349 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		55.3 mg/kg	1.785	98.721 mg/kg	0.00987 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				89.9	mg/kg	1.245	111.9	mg/kg	0.0112 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				26.3	mg/kg		26.3	mg/kg	0.00263 %	✓	
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.0243	mg/kg		0.0243	mg/kg	0.00000243 %	✓	
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.0833	mg/kg		0.0833	mg/kg	0.00000833 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.297	mg/kg		0.297	mg/kg	0.0000297 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.257	mg/kg		0.257	mg/kg	0.0000257 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.135	mg/kg		0.135	mg/kg	0.0000135 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.132	mg/kg		0.132	mg/kg	0.0000132 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.194	mg/kg		0.194	mg/kg	0.0000194 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0629	mg/kg		0.0629	mg/kg	0.00000629 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0851	mg/kg		0.0851	mg/kg	0.00000851 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.101	mg/kg		0.101	mg/kg	0.0000101 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00263%)

Classification of sample: DZLV1_TP2046[3]

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

Sample details

Sample name:	LoW Code:	
DZLV1_TP2046[3]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to hazardous because Sample is hazardous due to elevated concentrations for other determinants.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00087%)

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:

lead compounds with the exception of those specified elsewhere in this Annex (worst case): (Note 1 conc.: 0.307%)

HP 10: Toxic for reproduction "waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring"

Hazard Statements hit:

Repr. 1A; H360Df "May damage the unborn child. Suspected of damaging fertility."

Because of determinand:

lead compounds with the exception of those specified elsewhere in this Annex (worst case): (Note 1 conc.: 0.307%)

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

Hazard Statements hit:

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

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (worst case): (Note 1 conc.: 0.307%)
zinc oxide: (compound conc.: 0.199%)

Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		40.6 mg/kg	1.197	48.602 mg/kg	0.00486 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13.9 mg/kg	1.32	18.353 mg/kg	0.00184 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.554 mg/kg	1.117	0.619 mg/kg	0.0000619 %	✓	

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.836 mg/kg	2.775	2.32 mg/kg	0.000232 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.56 mg/kg	3.22	5.023 mg/kg	0.000502 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.933 mg/kg	1.142	1.066 mg/kg	0.000107 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		64.4 mg/kg	1.462	94.124 mg/kg	0.00941 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		4.53 mg/kg	1.923	8.712 mg/kg	0.000871 %	✓	
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		63.3 mg/kg	1.126	71.269 mg/kg	0.00713 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	3070 mg/kg		3070 mg/kg	0.307 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.0002 mg/kg	1.353	0.0003 mg/kg	0.000000036 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		37.1 mg/kg	1.273	47.213 mg/kg	0.00472 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37.4 mg/kg	1.785	66.766 mg/kg	0.00668 %	✓	
16	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		1600 mg/kg	1.245	1991.542 mg/kg	0.199 %	✓	
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	TPH (C6 to C40) petroleum group			TPH		160 mg/kg		160 mg/kg	0.016 %	✓	
19	benzene	601-020-00-8	200-753-7	71-43-2		<0.09 mg/kg		<0.09 mg/kg	<0.000009 %		<LOD
20	toluene	601-021-00-3	203-625-9	108-88-3		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
21	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
22	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0266 mg/kg		0.0266 mg/kg	0.00000266 %	✓	
24	acenaphthylene		205-917-1	208-96-8		0.125 mg/kg		0.125 mg/kg	0.0000125 %	✓	
25	acenaphthene		201-469-6	83-32-9		0.0438 mg/kg		0.0438 mg/kg	0.00000438 %	✓	
26	fluorene		201-695-5	86-73-7		0.0453 mg/kg		0.0453 mg/kg	0.00000453 %	✓	
27	phenanthrene		201-581-5	85-01-8		0.694 mg/kg		0.694 mg/kg	0.0000694 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
28		anthracene				0.19	mg/kg		0.19	mg/kg	0.000019 %	✓	
			204-371-1	120-12-7									
29		fluoranthene				2.01	mg/kg		2.01	mg/kg	0.000201 %	✓	
			205-912-4	206-44-0									
30		pyrene				1.92	mg/kg		1.92	mg/kg	0.000192 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				1.28	mg/kg		1.28	mg/kg	0.000128 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.998	mg/kg		0.998	mg/kg	0.0000998 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				1.65	mg/kg		1.65	mg/kg	0.000165 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.68	mg/kg		0.68	mg/kg	0.000068 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.849	mg/kg		0.849	mg/kg	0.0000849 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.24	mg/kg		0.24	mg/kg	0.000024 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				1.01	mg/kg		1.01	mg/kg	0.000101 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
											Total: 0.56 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: DZLV1_TP2046[4]

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

Sample details

Sample name:
DZLV1_TP2046[4]
Sample Depth:
2 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		12.6 mg/kg	1.197	15.083 mg/kg	0.00151 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		16.8 mg/kg	1.32	22.181 mg/kg	0.00222 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.273 mg/kg	1.117	0.305 mg/kg	0.0000305 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.06 mg/kg	2.775	2.942 mg/kg	0.000294 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.61 mg/kg	3.22	5.184 mg/kg	0.000518 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.297 mg/kg	1.142	0.339 mg/kg	0.0000339 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23.5 mg/kg	1.462	34.347 mg/kg	0.00343 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		103 mg/kg	1.126	115.966 mg/kg	0.0116 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	565 mg/kg		565 mg/kg	0.0565 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.0469 mg/kg	1.5	0.0704 mg/kg	0.00000704 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		27.1 mg/kg	1.273	34.487 mg/kg	0.00345 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		43.3 mg/kg	1.785	77.299 mg/kg	0.00773 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				267	mg/kg	1.245	332.339	mg/kg	0.0332 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				221	mg/kg		221	mg/kg	0.0221 %	✓	
				TPH									
19		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**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]									
23		naphthalene				<0.45	mg/kg		<0.45	mg/kg	<0.000045 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.4	mg/kg		<0.4	mg/kg	<0.00004 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				1.07	mg/kg		1.07	mg/kg	0.000107 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.8	mg/kg		<0.8	mg/kg	<0.00008 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				3.24	mg/kg		3.24	mg/kg	0.000324 %	✓	
			205-912-4	206-44-0									
30		pyrene				3.78	mg/kg		3.78	mg/kg	0.000378 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				2.06	mg/kg		2.06	mg/kg	0.000206 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				1.84	mg/kg		1.84	mg/kg	0.000184 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				3.87	mg/kg		3.87	mg/kg	0.000387 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				1.26	mg/kg		1.26	mg/kg	0.000126 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				2.69	mg/kg		2.69	mg/kg	0.000269 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<1.15	mg/kg		<1.15	mg/kg	<0.000115 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				2.61	mg/kg		2.61	mg/kg	0.000261 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.146 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0221%)

Classification of sample: DZLV1_TP2047

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

Sample details

Sample name:	LoW Code:	
DZLV1_TP2047	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% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		5.36 mg/kg	1.197	6.416 mg/kg	0.000642 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		20.5 mg/kg	1.32	27.067 mg/kg	0.00271 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.254 mg/kg	1.117	0.284 mg/kg	0.0000284 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.04 mg/kg	2.775	2.886 mg/kg	0.000289 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.47 mg/kg	3.22	4.733 mg/kg	0.000473 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.494 mg/kg	1.142	0.564 mg/kg	0.0000564 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20.5 mg/kg	1.462	29.962 mg/kg	0.003 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		**<LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		94.1 mg/kg	1.126	105.946 mg/kg	0.0106 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	687 mg/kg		687 mg/kg	0.0687 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		**<LOD**
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		**<LOD**
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		54 mg/kg	1.273	68.72 mg/kg	0.00687 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		43.9 mg/kg	1.785	78.37 mg/kg	0.00784 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				365	mg/kg	1.245	454.321	mg/kg	0.0454 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				1.51	mg/kg	1.884	2.845	mg/kg	0.000284 %	✓	
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				749	mg/kg		749	mg/kg	0.0749 %	✓	
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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]									
23		naphthalene				0.0468	mg/kg		0.0468	mg/kg	0.00000468 %	✓	
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.213	mg/kg		0.213	mg/kg	0.0000213 %	✓	
			205-917-1	208-96-8									
25		acenaphthene				0.0954	mg/kg		0.0954	mg/kg	0.00000954 %	✓	
			201-469-6	83-32-9									
26		fluorene				0.0687	mg/kg		0.0687	mg/kg	0.00000687 %	✓	
			201-695-5	86-73-7									
27		phenanthrene				1.06	mg/kg		1.06	mg/kg	0.000106 %	✓	
			201-581-5	85-01-8									
28		anthracene				0.299	mg/kg		0.299	mg/kg	0.0000299 %	✓	
			204-371-1	120-12-7									
29		fluoranthene				2.65	mg/kg		2.65	mg/kg	0.000265 %	✓	
			205-912-4	206-44-0									
30		pyrene				2.47	mg/kg		2.47	mg/kg	0.000247 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				1.42	mg/kg		1.42	mg/kg	0.000142 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				1.24	mg/kg		1.24	mg/kg	0.000124 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				1.79	mg/kg		1.79	mg/kg	0.000179 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.695	mg/kg		0.695	mg/kg	0.0000695 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				1.39	mg/kg		1.39	mg/kg	0.000139 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.283	mg/kg		0.283	mg/kg	0.0000283 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				1.42	mg/kg		1.42	mg/kg	0.000142 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.224 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore, carbon banding of the TPH indicates the majority of samples contain short chain carbon fraction concentrations below the limit of detection, with the remainder containing negligible concentrations of short chain carbon fractions.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0749%)

Classification of sample: DZLV1_TP2047[2]

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

Sample details

Sample name:
DZLV1_TP2047[2]
Sample Depth:
2.1 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		4.47 mg/kg	1.197	5.351 mg/kg	0.000535 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18.9 mg/kg	1.32	24.954 mg/kg	0.0025 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.286 mg/kg	1.117	0.319 mg/kg	0.0000319 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.16 mg/kg	2.775	3.219 mg/kg	0.000322 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.58 mg/kg	3.22	5.087 mg/kg	0.000509 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.457 mg/kg	1.142	0.522 mg/kg	0.0000522 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20.7 mg/kg	1.462	30.254 mg/kg	0.00303 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		91.3 mg/kg	1.126	102.794 mg/kg	0.0103 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	775 mg/kg		775 mg/kg	0.0775 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.0003 mg/kg	1.353	0.0005 mg/kg	0.000000052 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.0659 mg/kg	1.5	0.0989 mg/kg	0.00000989 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		39.4 mg/kg	1.273	50.14 mg/kg	0.00501 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		43.5 mg/kg	1.785	77.656 mg/kg	0.00777 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				374	mg/kg	1.245	465.523	mg/kg	0.0466 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		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 }				12	mg/kg	1.884	22.608	mg/kg	0.00226 %	✓	
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				201	mg/kg		201	mg/kg	0.0201 %	✓	
				TPH									
19		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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]									
23		naphthalene				0.0301	mg/kg		0.0301	mg/kg	0.00000301 %	✓	
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.103	mg/kg		0.103	mg/kg	0.0000103 %	✓	
			205-917-1	208-96-8									
25		acenaphthene				0.0337	mg/kg		0.0337	mg/kg	0.00000337 %	✓	
			201-469-6	83-32-9									
26		fluorene				0.0307	mg/kg		0.0307	mg/kg	0.00000307 %	✓	
			201-695-5	86-73-7									
27		phenanthrene				0.759	mg/kg		0.759	mg/kg	0.0000759 %	✓	
			201-581-5	85-01-8									
28		anthracene				0.162	mg/kg		0.162	mg/kg	0.0000162 %	✓	
			204-371-1	120-12-7									
29		fluoranthene				2.11	mg/kg		2.11	mg/kg	0.000211 %	✓	
			205-912-4	206-44-0									
30		pyrene				1.89	mg/kg		1.89	mg/kg	0.000189 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				1.22	mg/kg		1.22	mg/kg	0.000122 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				1.04	mg/kg		1.04	mg/kg	0.000104 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				1.38	mg/kg		1.38	mg/kg	0.000138 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.554	mg/kg		0.554	mg/kg	0.0000554 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.87	mg/kg		0.87	mg/kg	0.000087 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				0.202	mg/kg		0.202	mg/kg	0.0000202 %	✓	
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				1.01	mg/kg		1.01	mg/kg	0.000101 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.178 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0201%)

Classification of sample: DZLV1_TP2047[3]

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

Sample details

Sample name:
DZLV1_TP2047[3]
Sample Depth:
3.1 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		0.686 mg/kg	1.197	0.821 mg/kg	0.0000821 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.2 mg/kg	1.32	16.108 mg/kg	0.00161 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.199 mg/kg	1.117	0.222 mg/kg	0.0000222 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.15 mg/kg	2.775	3.192 mg/kg	0.000319 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2 mg/kg	3.22	6.44 mg/kg	0.000644 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.212 mg/kg	1.142	0.242 mg/kg	0.0000242 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17.7 mg/kg	1.126	19.928 mg/kg	0.00199 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19.7 mg/kg		19.7 mg/kg	0.00197 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		28.1 mg/kg	1.273	35.76 mg/kg	0.00358 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		55.5 mg/kg	1.785	99.078 mg/kg	0.00991 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				70.7	mg/kg	1.245	88.001	mg/kg	0.0088 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
			205-912-4	206-44-0									
30		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0348 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TT2003

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

Sample details

Sample name:
DZLV1_TT2003
Sample Depth:
0.4 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		13.7 mg/kg	1.197	16.4 mg/kg	0.00164 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		26.2 mg/kg	1.32	34.593 mg/kg	0.00346 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.05 mg/kg	2.775	2.914 mg/kg	0.000291 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<**LOD**
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.24 mg/kg	1.142	1.416 mg/kg	0.000142 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30.1 mg/kg	1.462	43.993 mg/kg	0.0044 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		87.2 mg/kg	1.126	98.177 mg/kg	0.00982 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	442 mg/kg		442 mg/kg	0.0442 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		30.7 mg/kg	1.273	39.069 mg/kg	0.00391 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		42.6 mg/kg	1.785	76.049 mg/kg	0.0076 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		586 mg/kg	1.245	729.402 mg/kg	0.0729 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					3.77 mg/kg	1.884	7.103 mg/kg	0.00071 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				278	mg/kg		278	mg/kg	0.0278 %	✓	
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19		ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.33	mg/kg		0.33	mg/kg	0.000033 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				2	mg/kg		2	mg/kg	0.0002 %	✓	
			201-469-6	83-32-9									
24		fluorene				1.27	mg/kg		1.27	mg/kg	0.000127 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				16.7	mg/kg		16.7	mg/kg	0.00167 %	✓	
			201-581-5	85-01-8									
26		anthracene				4.82	mg/kg		4.82	mg/kg	0.000482 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				32.1	mg/kg		32.1	mg/kg	0.00321 %	✓	
			205-912-4	206-44-0									
28		pyrene				26.1	mg/kg		26.1	mg/kg	0.00261 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				13.2	mg/kg		13.2	mg/kg	0.00132 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				11.2	mg/kg		11.2	mg/kg	0.00112 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				10.1	mg/kg		10.1	mg/kg	0.00101 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				4.82	mg/kg		4.82	mg/kg	0.000482 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				8.9	mg/kg		8.9	mg/kg	0.00089 %	✓	
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				1.71	mg/kg		1.71	mg/kg	0.000171 %	✓	
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				8.62	mg/kg		8.62	mg/kg	0.000862 %	✓	
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.192 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0278%)

Classification of sample: DZLV1_TT2003[2]

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

Sample details

Sample name:	LoW Code:
DZLV1_TT2003[2]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
1.4 m	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number / EC Number / CAS Number							
1	antimony { antimony trioxide }		5.89 mg/kg	1.197	7.051 mg/kg	0.000705 %	✓	
	051-005-00-X / 215-175-0 / 1309-64-4							
2	arsenic { arsenic trioxide }		27.1 mg/kg	1.32	35.781 mg/kg	0.00358 %	✓	
	033-003-00-0 / 215-481-4 / 1327-53-3							
3	beryllium { beryllium oxide }		0.72 mg/kg	2.775	1.998 mg/kg	0.0002 %	✓	
	004-003-00-8 / 215-133-1 / 1304-56-9							
4	boron { diboron trioxide; boric oxide }		1.24 mg/kg	3.22	3.993 mg/kg	0.000399 %	✓	
	005-008-00-8 / 215-125-8 / 1303-86-2							
5	cadmium { cadmium oxide }		0.719 mg/kg	1.142	0.821 mg/kg	0.0000821 %	✓	
	048-002-00-0 / 215-146-2 / 1306-19-0							
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		14.3 mg/kg	1.462	20.9 mg/kg	0.00209 %	✓	
	/ 215-160-9 / 1308-38-9							
7	chromium in chromium(VI) compounds { chromium(VI) oxide }		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
	024-001-00-0 / 215-607-8 / 1333-82-0							
8	copper { dicopper oxide; copper (I) oxide }		66.3 mg/kg	1.126	74.646 mg/kg	0.00746 %	✓	
	029-002-00-X / 215-270-7 / 1317-39-1							
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	1	278 mg/kg		278 mg/kg	0.0278 %	✓	
	082-001-00-6 / /							
10	mercury { mercury dichloride }		0.18 mg/kg	1.353	0.244 mg/kg	0.0000244 %	✓	
	080-010-00-X / 231-299-8 / 7487-94-7							
11	nickel { nickel(II) oxide (nickel monoxide) }		20 mg/kg	1.273	25.452 mg/kg	0.00255 %	✓	
	028-003-00-2 / 215-215-7 [1] 234-323-5 [2] - [3] / 1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]							
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }		<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
	034-002-00-8 / /							
13	vanadium { divanadium pentaoxide; vanadium pentoxide }		33.4 mg/kg	1.785	59.625 mg/kg	0.00596 %	✓	
	023-001-00-8 / 215-239-8 / 1314-62-1							
14	zinc { zinc oxide }		295 mg/kg	1.245	367.191 mg/kg	0.0367 %	✓	
	030-013-00-7 / 215-222-5 / 1314-13-2							
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,		8.65 mg/kg	1.884	16.297 mg/kg	0.00163 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16	●	TPH (C6 to C40) petroleum group				154	mg/kg		154	mg/kg	0.0154 %	✓	
				TPH									
17		benzene				<0.18	mg/kg		<0.18	mg/kg	<0.000018 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
18		toluene				<0.14	mg/kg		<0.14	mg/kg	<0.000014 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<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				0.279	mg/kg		0.279	mg/kg	0.0000279 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22	●	acenaphthylene				0.374	mg/kg		0.374	mg/kg	0.0000374 %	✓	
			205-917-1	208-96-8									
23	●	acenaphthene				2	mg/kg		2	mg/kg	0.0002 %	✓	
			201-469-6	83-32-9									
24	●	fluorene				1.88	mg/kg		1.88	mg/kg	0.000188 %	✓	
			201-695-5	86-73-7									
25	●	phenanthrene				18	mg/kg		18	mg/kg	0.0018 %	✓	
			201-581-5	85-01-8									
26	●	anthracene				4.74	mg/kg		4.74	mg/kg	0.000474 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				26.7	mg/kg		26.7	mg/kg	0.00267 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				21.1	mg/kg		21.1	mg/kg	0.00211 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				10.5	mg/kg		10.5	mg/kg	0.00105 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				8.24	mg/kg		8.24	mg/kg	0.000824 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				10.1	mg/kg		10.1	mg/kg	0.00101 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				4.2	mg/kg		4.2	mg/kg	0.00042 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33	●	indeno[123-cd]pyrene				4.61	mg/kg		4.61	mg/kg	0.000461 %	✓	
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				1.17	mg/kg		1.17	mg/kg	0.000117 %	✓	
		601-041-00-2	200-181-8	53-70-3									
35	●	benzo[ghi]perylene				5.48	mg/kg		5.48	mg/kg	0.000548 %	✓	
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.117 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

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: DZLV1_TT2003[3]

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

Sample details

Sample name:
DZLV1_TT2003[3]
Sample Depth:
2.2 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.23 mg/kg	1.197	1.472 mg/kg	0.000147 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.5 mg/kg	1.32	16.504 mg/kg	0.00165 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.01 mg/kg	2.775	2.803 mg/kg	0.00028 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.08 mg/kg	3.22	6.697 mg/kg	0.00067 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.511 mg/kg	1.142	0.584 mg/kg	0.0000584 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25.6 mg/kg	1.462	37.416 mg/kg	0.00374 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23.4 mg/kg	1.126	26.346 mg/kg	0.00263 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	47.8 mg/kg		47.8 mg/kg	0.00478 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		24.7 mg/kg	1.273	31.433 mg/kg	0.00314 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		46.4 mg/kg	1.785	82.833 mg/kg	0.00828 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		119 mg/kg	1.245	148.121 mg/kg	0.0148 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				43.8	mg/kg		43.8	mg/kg	0.00438 %	✓	
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.035	mg/kg		0.035	mg/kg	0.0000035 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				0.0155	mg/kg		0.0155	mg/kg	0.00000155 %	✓	
			201-469-6	83-32-9									
24		fluorene				0.0146	mg/kg		0.0146	mg/kg	0.00000146 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				0.219	mg/kg		0.219	mg/kg	0.0000219 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.0678	mg/kg		0.0678	mg/kg	0.00000678 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				0.618	mg/kg		0.618	mg/kg	0.0000618 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.572	mg/kg		0.572	mg/kg	0.0000572 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.316	mg/kg		0.316	mg/kg	0.0000316 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.317	mg/kg		0.317	mg/kg	0.0000317 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.472	mg/kg		0.472	mg/kg	0.0000472 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.166	mg/kg		0.166	mg/kg	0.0000166 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				0.247	mg/kg		0.247	mg/kg	0.0000247 %	✓	
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.0468	mg/kg		0.0468	mg/kg	0.00000468 %	✓	
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				0.267	mg/kg		0.267	mg/kg	0.0000267 %	✓	
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0454 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00438%)

Classification of sample: DZLV1_TT2003[4]

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

Sample details

Sample name:
DZLV1_TT2003[4]
Sample Depth:
3 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	17.164 mg/kg	0.00172 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.41 mg/kg	2.775	3.913 mg/kg	0.000391 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.04 mg/kg	3.22	6.569 mg/kg	0.000657 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.32 mg/kg	1.142	0.366 mg/kg	0.0000366 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28.6 mg/kg	1.462	41.8 mg/kg	0.00418 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	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 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	17.9 mg/kg		17.9 mg/kg	0.00179 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		35.4 mg/kg	1.273	45.05 mg/kg	0.0045 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		62.1 mg/kg	1.785	110.86 mg/kg	0.0111 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		79.3 mg/kg	1.245	98.706 mg/kg	0.00987 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }									
		006-007-00-5									
16	●	TPH (C6 to C40) petroleum group				132 mg/kg		132 mg/kg	0.0132 %	✓	
				TPH							
17		benzene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<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				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22	●	acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
23	●	acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
24	●	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
25	●	phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
26	●	anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
27	●	fluoranthene				0.029 mg/kg		0.029 mg/kg	0.0000029 %	✓	
			205-912-4	206-44-0							
28	●	pyrene				0.0253 mg/kg		0.0253 mg/kg	0.00000253 %	✓	
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				0.0161 mg/kg		0.0161 mg/kg	0.00000161 %	✓	
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				0.025 mg/kg		0.025 mg/kg	0.0000025 %	✓	
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33	●	indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35	●	benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
36		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0502 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0132%)

Appendix A: Classifier defined and non CLP determinands

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

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

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

CLP index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

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

CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

- **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

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

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - 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: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Description/Comments: Data from ECHA's C&L Inventory Database, Sigma Aldrich SDS dated 6/2/20
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/88825
Data source date: 02 Apr 2020
Hazard Statements: Acute Tox. 3 H301 , Skin Corr. 1B H314 , Eye Dam. 1 H318 , Acute Tox. 1 H332

Appendix B: Rationale for selection of metal species

antimony {antimony trioxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Worst case species of antimony selected.

arsenic {arsenic trioxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment/ Oxides considered to be the most likely metal species in the natural soils.

beryllium {beryllium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

boron {diboron trioxide; boric oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

cadmium {cadmium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Conservative species of copper oxide selected.

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

Conservative (worst case) species selection. Chromate not applicable as Cr VI below the laboratory limit of detection / present at negligible concentrations

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel(II) oxide (nickel monoxide)}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations. Conservative species of nickel oxide selected.

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

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements

zinc {zinc oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations.

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}

Worst case species

barium {barium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations.

molybdenum {molybdenum(VI) oxide}

Worst case species based on hazard statements

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.246.4869.9247 (05 Sep 2021)
HazWasteOnline Database: 2021.246.4869.9247 (05 Sep 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
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 2019 - UK: 2019 No. 720 of 27th March 2019
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
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

Waste Classification Report

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

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

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

Q8QN4-I5ZB4-IJ4GY

Job name

WIE16279 Meridian Water Alluvium

Description/Comments

Project

WIE16279

Site

Meridian Water

Classified by

Name:
Robbie Moore
Date:
20 Oct 2021 13:38 GMT
Telephone:
03300604367

Company:
Waterman Infrastructure and Environment Ltd

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	06 Jun 2019
Most recent 3 year Refresher	20 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	DZLV1_TP2036	2.4	Non Hazardous		2
2	DZLV1_TP2038	3.2	Non Hazardous		5
3	DZLV1_TP2046	5.5	Non Hazardous		7
4	DZLV1_TP2047	4.1	Non Hazardous		10
5	DZLV1_TT2003	4.3	Non Hazardous		13

Related documents

#	Name	Description
1	Soil - Hazwaste Template 03.20 (WM3 1st ed v1.1.GB)	waste stream template used to create this Job

Report

Created by: Robbie Moore

Created date: 20 Oct 2021 13:38 GMT

Classification of sample: DZLV1_TP2036

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

Sample details

Sample name:
DZLV1_TP2036
Sample Depth:
2.4 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		0.644 mg/kg	1.197	0.771 mg/kg	0.0000771 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.4 mg/kg	1.32	11.091 mg/kg	0.00111 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.11 mg/kg	1.117	0.123 mg/kg	0.0000123 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.807 mg/kg	2.775	2.24 mg/kg	0.000224 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.18 mg/kg	3.22	3.799 mg/kg	0.00038 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.0553 mg/kg	1.142	0.0632 mg/kg	0.00000632 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18.5 mg/kg	1.462	27.039 mg/kg	0.0027 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.7 mg/kg	1.126	15.425 mg/kg	0.00154 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	20.5 mg/kg		20.5 mg/kg	0.00205 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		21.4 mg/kg	1.273	27.233 mg/kg	0.00272 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37.9 mg/kg	1.785	67.659 mg/kg	0.00677 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				59	mg/kg	1.245	73.438	mg/kg	0.00734 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.0612	mg/kg		0.0612	mg/kg	0.00000612 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.111	mg/kg		0.111	mg/kg	0.0000111 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.093	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0498	mg/kg		0.0498	mg/kg	0.00000498 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0488	mg/kg		0.0488	mg/kg	0.00000488 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.0829	mg/kg		0.0829	mg/kg	0.00000829 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0247	mg/kg		0.0247	mg/kg	0.00000247 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0397	mg/kg		0.0397	mg/kg	0.00000397 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0448	mg/kg		0.0448	mg/kg	0.00000448 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0265 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2038

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

Sample details

Sample name:
DZLV1_TP2038
Sample Depth:
3.2 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	19.805 mg/kg	0.00198 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.73 mg/kg	2.775	4.801 mg/kg	0.00048 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.95 mg/kg	3.22	6.279 mg/kg	0.000628 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.238 mg/kg	1.142	0.272 mg/kg	0.0000272 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		39.7 mg/kg	1.462	58.024 mg/kg	0.0058 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.4 mg/kg	1.126	20.716 mg/kg	0.00207 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	21.5 mg/kg		21.5 mg/kg	0.00215 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		34.4 mg/kg	1.273	43.777 mg/kg	0.00438 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		92.1 mg/kg	1.785	164.416 mg/kg	0.0164 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		103 mg/kg	1.245	128.206 mg/kg	0.0128 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }									
		006-007-00-5									
16	●	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
				TPH							
17		benzene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<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				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22	●	acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
23	●	acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
24	●	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
25	●	phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
26	●	anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
27	●	fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
28	●	pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33	●	indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35	●	benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
36		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0483 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2046

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

Sample details

Sample name:	LoW Code:	
DZLV1_TP2046	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
5.5 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.13 mg/kg	1.197	1.353 mg/kg	0.000135 %	✓	
2	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 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.503 mg/kg	1.117	0.562 mg/kg	0.0000562 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.07 mg/kg	2.775	2.97 mg/kg	0.000297 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		2.2 mg/kg	3.22	7.084 mg/kg	0.000708 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.344 mg/kg	1.142	0.393 mg/kg	0.0000393 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21.9 mg/kg	1.126	24.657 mg/kg	0.00247 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	57.1 mg/kg		57.1 mg/kg	0.00571 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<**LOD**
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.056 mg/kg	1.5	0.084 mg/kg	0.0000084 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		29.6 mg/kg	1.273	37.669 mg/kg	0.00377 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		53.7 mg/kg	1.785	95.864 mg/kg	0.00959 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				99.6	mg/kg	1.245	123.974	mg/kg	0.0124 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				26.8	mg/kg		26.8	mg/kg	0.00268 %	✓	
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				0.0379	mg/kg		0.0379	mg/kg	0.00000379 %	✓	
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				0.114	mg/kg		0.114	mg/kg	0.0000114 %	✓	
			205-912-4	206-44-0									
30		pyrene				0.0998	mg/kg		0.0998	mg/kg	0.00000998 %	✓	
			204-927-3	129-00-0									
31		benzo[a]anthracene				0.0577	mg/kg		0.0577	mg/kg	0.00000577 %	✓	
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				0.0691	mg/kg		0.0691	mg/kg	0.00000691 %	✓	
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				0.0956	mg/kg		0.0956	mg/kg	0.00000956 %	✓	
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				0.0277	mg/kg		0.0277	mg/kg	0.00000277 %	✓	
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				0.0352	mg/kg		0.0352	mg/kg	0.00000352 %	✓	
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				0.0411	mg/kg		0.0411	mg/kg	0.00000411 %	✓	
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0443 %		

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
ND	Not detected
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 Non hazardous by HP 3(i). Appendix C of WM3 v1.1. Figure C3.1. The Waste is not a liquid and does not have a free draining liquid phase. Furthermore at the concentrations reported the waste would pass the inert WAC mineral oil criteria and therefore cannot display the flammable hazardous property.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00268%)

Classification of sample: DZLV1_TP2047

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

Sample details

Sample name:
DZLV1_TP2047
Sample Depth:
4.1 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.76 mg/kg	1.32	8.925 mg/kg	0.000893 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.152 mg/kg	1.117	0.17 mg/kg	0.000017 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.46 mg/kg	2.775	4.052 mg/kg	0.000405 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.18 mg/kg	3.22	3.799 mg/kg	0.00038 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.287 mg/kg	1.142	0.328 mg/kg	0.0000328 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		33.3 mg/kg	1.462	48.67 mg/kg	0.00487 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	20.266 mg/kg	0.00203 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13.3 mg/kg		13.3 mg/kg	0.00133 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<LOD
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		<0.03 mg/kg	1.5	<0.045 mg/kg	<0.0000045 %		<LOD
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		34.3 mg/kg	1.273	43.65 mg/kg	0.00436 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		59.3 mg/kg	1.785	105.861 mg/kg	0.0106 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				86.4	mg/kg	1.245	107.543	mg/kg	0.0108 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
			205-912-4	206-44-0									
30		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0372 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TT2003

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

Sample details

Sample name:	LoW Code:
DZLV1_TT2003	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
4.3 m	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<**LOD**
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12.6 mg/kg	1.32	16.636 mg/kg	0.00166 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		2.23 mg/kg	2.775	6.189 mg/kg	0.000619 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %	✓	
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.367 mg/kg	1.142	0.419 mg/kg	0.0000419 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		48.9 mg/kg	1.462	71.47 mg/kg	0.00715 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23.9 mg/kg	1.126	26.909 mg/kg	0.00269 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	24.8 mg/kg		24.8 mg/kg	0.00248 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<**LOD**
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		38.7 mg/kg	1.273	49.249 mg/kg	0.00492 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		97.4 mg/kg	1.785	173.877 mg/kg	0.0174 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		122 mg/kg	1.245	151.855 mg/kg	0.0152 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }									
		006-007-00-5									
16	●	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
				TPH							
17		benzene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<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				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
20		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
22	●	acenaphthylene				<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8							
23	●	acenaphthene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9							
24	●	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7							
25	●	phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8							
26	●	anthracene				<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7							
27	●	fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0							
28	●	pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0							
29		benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
30		chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
31		benzo[b]fluoranthene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
32		benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
33	●	indeno[123-cd]pyrene				<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5							
34		dibenz[a,h]anthracene				<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
35	●	benzo[ghi]perylene				<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2							
36		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0541 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non CLP determinands

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

Description/Comments: Data from ECHA's C&L Inventory Database, Sigma Aldrich SDS dated 6/2/20
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/88825
Data source date: 02 Apr 2020
Hazard Statements: Acute Tox. 3 H301 , Skin Corr. 1B H314 , Eye Dam. 1 H318 , Acute Tox. 1 H332

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

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

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

CLP index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

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

CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - 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: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix B: Rationale for selection of metal species

antimony {antimony trioxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Worst case species of antimony selected.

arsenic {arsenic trioxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment/ Oxides considered to be the most likely metal species in the natural soils.

barium {barium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations.

beryllium {beryllium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

boron {diboron trioxide; boric oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

cadmium {cadmium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Conservative species of copper oxide selected.

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

Conservative (worst case) species selection. Chromate not applicable as Cr VI below the laboratory limit of detection / present at negligible concentrations

mercury {mercury dichloride}

Worst case species based on hazard statements

molybdenum {molybdenum(VI) oxide}

Worst case species based on hazard statements

nickel {nickel(II) oxide (nickel monoxide)}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations. Conservative species of nickel oxide selected.

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

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements

zinc {zinc oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations.

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}

Worst case species

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.246.4869.9247 (05 Sep 2021)
HazWasteOnline Database: 2021.246.4869.9247 (05 Sep 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
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 2019 - UK: 2019 No. 720 of 27th March 2019
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
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

Waste Classification Report

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

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

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

VA757-DJRHR-P5NJQ

Job name

WIE16279 Meridian Water Natural

Description/Comments

Project

WIE16279

Site

Meridian Water

Classified by

Name:
Robbie Moore
Date:
20 Oct 2021 13:39 GMT
Telephone:
03300604367

Company:
Waterman Infrastructure and Environment Ltd

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	06 Jun 2019
Most recent 3 year Refresher	20 Apr 2021

Next 3 year Refresher due by Apr 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	DZLV1_TP2038	4.6	Non Hazardous		2
2	DZLV1_TP2038[2]	4.9	Non Hazardous		4
3	DZLV1_BH2074	12.5	Non Hazardous		6

Related documents

#	Name	Description
1	Soil - Hazwaste Template 03.20 (WM3 1st ed v1.1.GB)	waste stream template used to create this Job

Report

Created by: Robbie Moore

Created date: 20 Oct 2021 13:39 GMT

Classification of sample: DZLV1_TP2038

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

Sample details

Sample name:
DZLV1_TP2038
Sample Depth:
4.6 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.81 mg/kg	1.32	8.991 mg/kg	0.000899 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.237 mg/kg	2.775	0.658 mg/kg	0.0000658 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.127 mg/kg	1.142	0.145 mg/kg	0.0000145 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		3.53 mg/kg	1.462	5.159 mg/kg	0.000516 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.53 mg/kg	1.126	3.974 mg/kg	0.000397 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1.82 mg/kg		1.82 mg/kg	0.000182 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<LOD
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		10.8 mg/kg	1.273	13.744 mg/kg	0.00137 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		7.75 mg/kg	1.785	13.835 mg/kg	0.00138 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		14.9 mg/kg	1.245	18.546 mg/kg	0.00185 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.00857 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_TP2038[2]

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

Sample details

Sample name:
DZLV1_TP2038[2]
Sample Depth:
4.9 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<0.6 mg/kg	1.197	<0.718 mg/kg	<0.0000718 %		<LOD
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.79 mg/kg	1.32	12.926 mg/kg	0.00129 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.217 mg/kg	2.775	0.602 mg/kg	0.0000602 %	✓	
4	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
5	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.097 mg/kg	1.142	0.111 mg/kg	0.0000111 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		4.7 mg/kg	1.462	6.869 mg/kg	0.000687 %	✓	
7	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		2.94 mg/kg	1.126	3.31 mg/kg	0.000331 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	5.85 mg/kg		5.85 mg/kg	0.000585 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.14 mg/kg	1.353	<0.189 mg/kg	<0.0000189 %		<LOD
11	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		8.59 mg/kg	1.273	10.932 mg/kg	0.00109 %	✓	
12	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		11.4 mg/kg	1.785	20.351 mg/kg	0.00204 %	✓	
14	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		9.59 mg/kg	1.245	11.937 mg/kg	0.00119 %	✓	
15	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides,					<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
		ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }											
		006-007-00-5											
16		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
17		benzene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
20		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
36		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.00917 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DZLV1_BH2074

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

Sample details

Sample name:
DZLV1_BH2074
Sample Depth:
12.5 m

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: 0% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1.02 mg/kg	1.197	1.221 mg/kg	0.000122 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.69 mg/kg	1.32	12.794 mg/kg	0.00128 %	✓	
3	barium { barium oxide }		215-127-9	1304-28-5		0.0686 mg/kg	1.117	0.0766 mg/kg	0.00000766 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.15 mg/kg	2.775	3.192 mg/kg	0.000319 %	✓	
5	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		1.79 mg/kg	3.22	5.764 mg/kg	0.000576 %	✓	
6	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.293 mg/kg	1.142	0.335 mg/kg	0.0000335 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30.1 mg/kg	1.462	43.993 mg/kg	0.0044 %	✓	
8	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26.1 mg/kg	1.126	29.386 mg/kg	0.00294 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13.6 mg/kg		13.6 mg/kg	0.00136 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.0001 mg/kg	1.353	<0.0001 mg/kg	<0.000000013 %		<**LOD**
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.139 mg/kg	1.5	0.209 mg/kg	0.0000209 %	✓	
13	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		32.7 mg/kg	1.273	41.614 mg/kg	0.00416 %	✓	
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.05 mg/kg	1.405	1.475 mg/kg	0.000148 %	✓	
15	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		44.9 mg/kg	1.785	80.155 mg/kg	0.00802 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		zinc { zinc oxide }				73.1	mg/kg	1.245	90.989	mg/kg	0.0091 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
17		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
18		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
19		benzene				<0.09	mg/kg		<0.09	mg/kg	<0.000009 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
20		toluene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
21		ethylbenzene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
22		xylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**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]									
23		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			205-917-1	208-96-8									
25		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
			201-469-6	83-32-9									
26		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-695-5	86-73-7									
27		phenanthrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			201-581-5	85-01-8									
28		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<**LOD**
			204-371-1	120-12-7									
29		fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<**LOD**
			205-912-4	206-44-0									
30		pyrene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
			204-927-3	129-00-0									
31		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
32		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
33		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
34		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
35		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<**LOD**
			205-893-2	193-39-5									
36		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
37		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<**LOD**
			205-883-8	191-24-2									
38		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non CLP determinands

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

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

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

CLP index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

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

CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - 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: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Description/Comments: Data from ECHA's C&L Inventory Database, Sigma Aldrich SDS dated 6/2/20
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/88825
Data source date: 02 Apr 2020
Hazard Statements: Acute Tox. 3 H301 , Skin Corr. 1B H314 , Eye Dam. 1 H318 , Acute Tox. 1 H332

Appendix B: Rationale for selection of metal species

antimony {antimony trioxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Worst case species of antimony selected.

arsenic {arsenic trioxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment/ Oxides considered to be the most likely metal species in the natural soils.

beryllium {beryllium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

boron {diboron trioxide; boric oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

cadmium {cadmium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils.

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Conservative species of copper oxide selected.

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

Conservative (worst case) species selection. Chromate not applicable as Cr VI below the laboratory limit of detection / present at negligible concentrations

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel(II) oxide (nickel monoxide)}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations. Conservative species of nickel oxide selected.

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

Worst case species based on hazard statements

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on hazard statements

zinc {zinc oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations.

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}

Worst case species

barium {barium oxide}

Oxides considered to be the most likely metal species in Made Ground. Historically, shallow soils will have undergone disturbance and exposure to the atmosphere during site redevelopment / Oxides considered to be the most likely metal species in the natural soils. Chromate not applicable as Cr VI below the limit of detection / present at negligible concentrations.

molybdenum {molybdenum(VI) oxide}

Worst case species based on hazard statements

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.246.4869.9247 (05 Sep 2021)
HazWasteOnline Database: 2021.246.4869.9247 (05 Sep 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
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 2019 - UK: 2019 No. 720 of 27th March 2019
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
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

We are Waterman, where every project matters

We deliver progressive, sustainability-driven environmental and engineering consultancy services across every sector. We think differently, and we're harnessing our collective expertise to deliver greener, healthier and well-connected communities, networks and built environments.

Based in strategic locations throughout the UK and Ireland, our team of specialists is at the forefront of tackling the climate emergency and forging a path to a Net Zero built environment.

UK & Ireland Office Locations