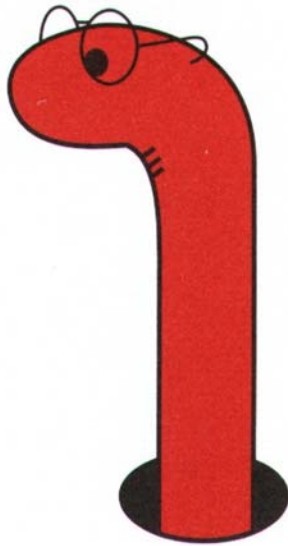


# **Electronic Report**



## **WORMS EYE**

Worms Eye Ltd  
PO Box115  
COLNE  
BB9 4HS

01282 414649

[info@wormseye.co.uk](mailto:info@wormseye.co.uk)

Our Ref: Paradise Street / BL0 9BS / 2022  
Date: 6 June 2022

Sam Warburton  
A Warburton Building Service Ltd  
10 Carnoustie Drive  
Ramsbottom  
BL0 9QL

Email: awarburtonbuildingservices@outlook.com

## **16 – 18 PARADISE STREET, RAMSBOTTOM, BL0 9BS**

### **REMEDIATION STRATEGY**

#### **INTRODUCTION**

A residential development is proposed. Following an Intrusive Report (6/6/22) instructions were to prepare a remediation strategy.

#### **SITE LOCATION**

The site is rectangular, 11 by 16m, located to the southeast of Paradise Street in Ramsbottom and at OS Grid Reference 379150, 417020. The site, on 23/2/22, comprised three commercial units (used to store timber, brick and roof tiles), mostly single storey but part two storey along the southeast, at the northeast end of a terrace. There are no obvious signs of contamination.

#### **PROPOSED DEVELOPMENT/UPDATED DESCRIPTION**

The previous building has been demolished and a block of three terraced properties are being built. The middle and southwest properties will have outdoor space to their rear (southeast), comprising 450mm of imported clean hardcore 30mm Indian stone flags laid on a 75mm bed of sand and cement.

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## **INTRUSIVE REPORT**

Worms Eye carried out an intrusive investigation (report dated 6/6/22), the salient points were:

### **Ground Conditions**

A series of three trial holes in the outdoor space to the rear (southeast) show similar conditions with a layer of made ground (gravel, soil, brick) to about 0.3m overlying sandy, clayey gravel to about 0.9m with sandy clay from 0.9m to their base at about 1.0m deep.

### **Contaminated Soils**

There are raised levels of lead, arsenic, BaP and DbA at 0.25m in THA and DbA in THB at 0.25m. The rear open spaces will have a flag surface over 75mm sand/cement and 450mm hardcore, preventing direct contact by householders, removing the risk. Comparing levels against SSAC shows they are all below threshold levels, confirming there is no risk where there is no direct contact.

Water Soluble Sulphate levels are low and sulphate resistant concrete is not required.

The findings suggest a negligible risk to householders and no further action is considered essential.

### **Excavated Soils**

Test results suggest excavated soil would not be classed as hazardous waste. Levels of TOC may pose difficulties for disposal off-site to landfill and the results should be issued to the receiving site.

### **Controlled Waters**

The findings suggest no risk to controlled waters and no further action is required.

### **Ground Gas/Vapours**

The findings suggest there are no risks from hydrocarbon vapours or ground gases.

### **Conceptual Model**

| Source                                           | Receptors       | Pathway                      | Pollutant Linkage |
|--------------------------------------------------|-----------------|------------------------------|-------------------|
| Asbestos (none seen)                             | End-users       | No direct contact            | No                |
|                                                  | Off-site        | Migration off-site           | No                |
| Inorganic contaminants (raised arsenic and lead) | Householders    | No direct contact            | No                |
|                                                  | Groundwater     | Leaching towards             | No                |
|                                                  | River/stream    | Leaching towards             | No                |
| Sulphate (low)                                   | Building fabric | Concrete directly in contact | No                |
| Hydrocarbons (raised BaP and DbA)                | Householders    | No direct contact            | No                |
|                                                  | Groundwater     | Leaching towards             | No                |
|                                                  | River/stream    | Leaching towards             | No                |
| Ground Gas/Hydrocarbon vapours (very low)        | Householders    | Inhalation of vapours/gases  | No                |

**End of Intrusive Report Re-Cap**

## **REMEDIATION STRATEGY**

### **Construction Workers**

Site workers should be made aware of the hazards of working with contaminated soils, and appropriate procedures and PPE adopted to ensure the health and safety of the site operative. All site personnel should be briefed on the discovery strategy in the watching brief and what actions they must take in the event that further evidence of contamination is identified or suspected.

Normal precautions for an urban renewal type project are required. These would include the use of gloves and the provision of washing facilities to avoid ingestion of contaminants.

### **Watching Brief**

A watching brief for unexpected contaminants should be maintained. If unexpected contaminants (e.g. asbestos, oily material, unusual smells) are seen, especially during excavations, work should cease and the consultant be notified and the site inspected.

We suggest taking regular photographs (daily or more frequent) of excavations to include in the validation report.

### **Garden/Landscaped Areas**

The rear open spaces are to be built up with hardcore, sand and stone flags and the findings suggest a negligible risk. As an added precaution it is suggested a geotextile is included as a barrier as follows (bottom up):

- Geotextile (or similar) warning barrier
- 450mm hardcore
- 75mm sand
- 30mm flag

### **Excavated Soils**

Test results suggest excavated soil would not be classed as hazardous waste.

Levels of TOC may pose difficulties for disposal off-site to landfill and the results should be issued to the receiving site for confirmation of its status.

### Imported Soils

All soils (e.g. topsoil, bulk fill hardcore) and similar materials imported on-site to be proved to be uncontaminated. Imported material will require testing as follows:

- Greenfield soils – minimum of 3 tests or 1 test per 100m<sup>3</sup> (whichever is greater). Testing to include arsenic, cadmium, chromium (total), chromium VI, copper, mercury, nickel, lead, selenium, zinc, PAH (16 USEPA speciation), asbestos, TPHs (speciated), boron, cyanide, thiocyanate, sulphide, sulphur, sulphate, pH, Som.
- Brownfield/screened/manufactured soils – minimum of 3 tests or 1 test per 50m<sup>3</sup> (whichever is greater). Testing to include arsenic, cadmium, chromium (total), chromium VI, copper, mercury, nickel, lead, selenium, zinc, PAH (16 USEPA speciation) asbestos, TPHs (speciated), boron, cyanide, thiocyanate, sulphide, sulphur, sulphate, pH, Som.

### Soil Screen Values

Tests carried out on the imported material, either by the supplier or the consultant, to be screened against residential values, based on 1% SOM. If these are exceeded, site specific value may be derived, subject to them being appropriate.

### Validation

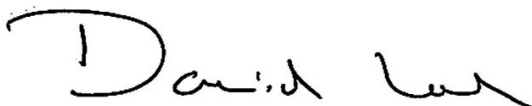
A validation report will be required on completion, this will require but not necessarily be limited to:

- Tickets from waste removal contractor and receiving landfill.
- Photographs of excavation to confirm depth.
- Contamination test results for tests on imported soils.
- Photographs to confirm thickness of imported soil types.
- Document (receipt, delivery notes) to show soil types and sources.

This report is usually a collaboration between the contractor, who will collect the above documentation and Worms Eye, who can assist in preparing the Validation Report

Yours faithfully

on behalf of Worms Eye Ltd



David Lord  
BSc (Hons)  
FGS, MIEEnvSc, AIEEMA

**16 – 18 PARADISE STREET, RAMSBOTTOM, BL0 9BS**

**List of Appendices – Remediation Strategy**

**List of Acronyms**

**Proposed site plan - showing trial hole locations**

**Trial Hole Logs**

**Contamination Test Results - Soil**

**Hazwaste Report**

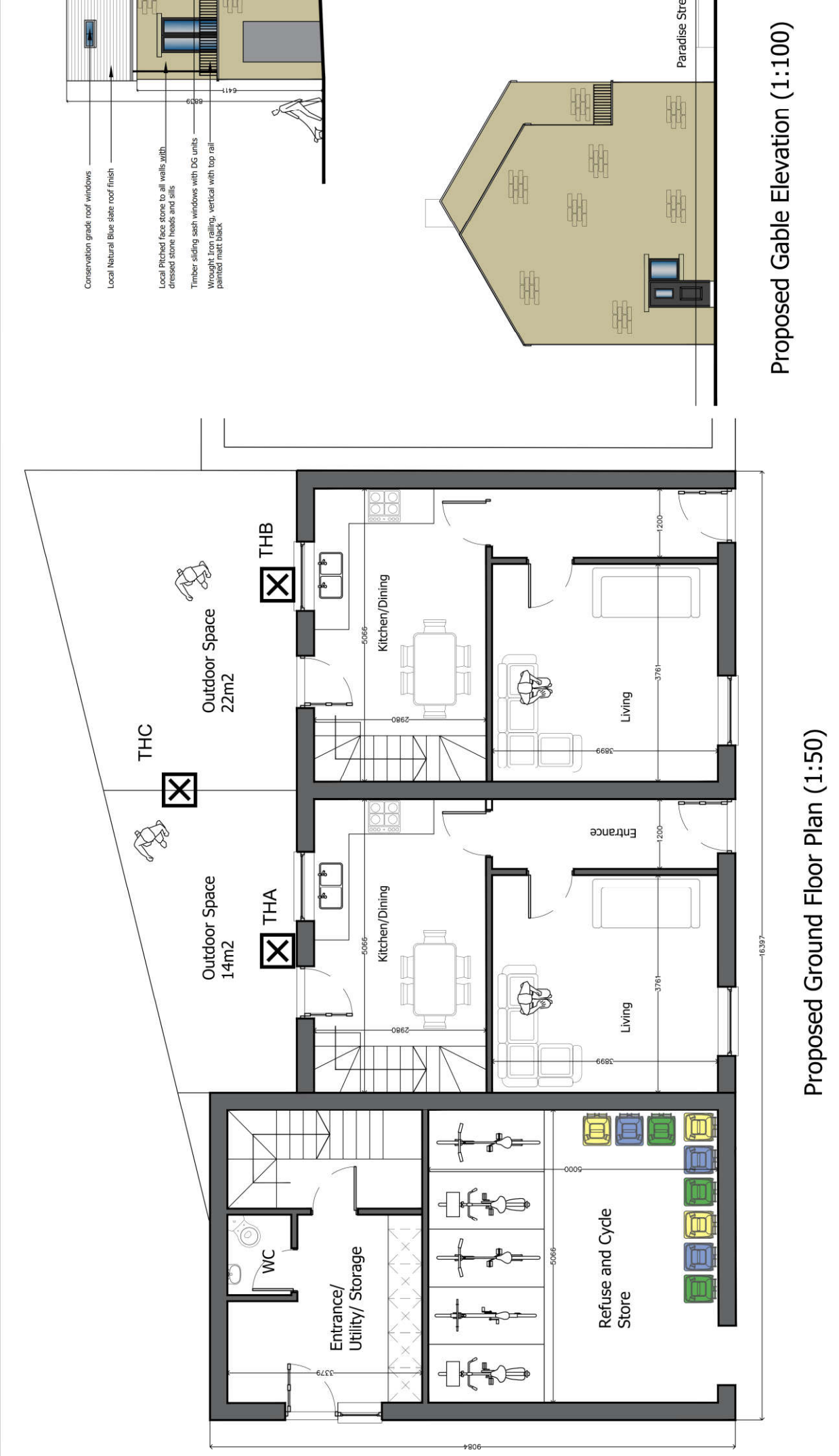
## **CONTAMINATION TEST UNITS**

| Conversion factor | Name               | Symbol | Numerical Value                               | Alternative description         | Commonly used for:                |
|-------------------|--------------------|--------|-----------------------------------------------|---------------------------------|-----------------------------------|
|                   | per cent           | %      | 1 in 100<br>(10 <sup>2</sup> )                |                                 | total sulphur,<br>hazardous waste |
| % x10             | parts per thousand | ‰      | 1 in 1000<br>(10 <sup>3</sup> )               | g/l (grams per litre)           | water soluble<br>sulphate test    |
| ‰ x 1,000         | parts per million  | ppm    | 1 in 1,000,000<br>(10 <sup>6</sup> )          | mg/kg (milligrams per kilogram) | most soil tests                   |
|                   |                    |        |                                               | mg/l (milligrams per litre)     | water tests                       |
| ppm x 1,000       | parts per billion  | ppb    | 1 in 1,000,000,000<br>(10 <sup>9</sup> )      | µg/kg (micrograms per kilogram) | PAH soil tests                    |
|                   |                    |        |                                               | µg/l (micrograms per litre)     | water/leachate tests              |
| ppb x 1,000       | parts per trillion | ppt    | 1 in 1,000,000,000,000<br>(10 <sup>12</sup> ) | ng/kg (nanograms per kilogram)  | PAH soil tests                    |
|                   |                    |        |                                               | ng/l (nanograms per litre)      | water/leachate tests              |

### **ABBREVIATIONS**

|                        |         |                                                                           |
|------------------------|---------|---------------------------------------------------------------------------|
| <b><u>Chemical</u></b> | BAP     | Benzo(a)pyrene                                                            |
|                        | BTEX    | Benzene, toluene, ethylbenzene, xylene                                    |
|                        | DAHA    | Dibenzo(ah)anthracene                                                     |
|                        | MTBE    | Methyl tertiaryt-butyl ether (additive to petrol)                         |
|                        | EPH     | Extractable petroleum hydrocarbons (formerly diesel range organics – DRO) |
|                        | NFD     | No fibres detected (asbestos test)                                        |
|                        | PAH     | Polycyclic aromatic hydrocarbons                                          |
|                        | PCB     | Polychlorinated biphenyls                                                 |
|                        | PCE     | Perchloroethylene or tetrachloroethylene                                  |
|                        | PID     | Photo ionisation detector (screen for VOC)                                |
|                        | PRO/GRO | Petrol range organics/gasoline range organics                             |
|                        | SVOC    | Semi-volatile organic compounds                                           |
|                        | TCE     | Trichloroethylene                                                         |
|                        | TPH     | Total petroleum hydrocarbons                                              |
|                        | VOC     | Volatile organic compounds                                                |
| <b><u>Other</u></b>    | AGS     | Association of Geotechnical Specialists                                   |
|                        | BGS     | British Geological Survey                                                 |
|                        | BRE     | Building Research Establishment                                           |
|                        | CBR     | California Bearing Ratio                                                  |
|                        | CIEH    | Chartered Institute of Environmental Health                               |
|                        | CIRIA   | Construction Industry Research and Information Association                |
|                        | CLEA    | Contaminated Land Exposure Assessment (Environment Agency/DEFRA)          |
|                        | CLR 8   | Contaminated Land Research Report 8 (Environment Agency/DEFRA)            |
|                        | DWQ     | Drinking water quality                                                    |
|                        | EA      | Environment Agency                                                        |
|                        | EQS     | Environmental quality standards (for rivers etc.)                         |
|                        | ICRCL   | Inter-departmental Commission for the Reclamation of Contaminated Land    |
|                        | LQM     | Land Quality Management Ltd (Land and Environmental Consultancy).         |
|                        | NHBC    | National House Builders Council                                           |
|                        | SGV     | Soil Guideline Values                                                     |
|                        | SPT     | Standard penetration test                                                 |

1. This report should be considered in relation to the objectives agreed between Worms Eye and the Client, outlined in the introduction.
2. For the work, reliance has been placed on publicly available data, obtained from the sources identified in the report. The information is not exhaustive and further information may be available from other sources. When using the information it has been assumed it is correct, and no attempt has been made to verify the information.
3. This report has been produced in accordance with current UK policy and guidelines, for land and groundwater contamination, enforced by the Local Authority and the Environment Agency.
4. During the site walkover, reasonable effort was made to obtain an overview of the site. However, no attempt was made to enter areas that are unsafe, a risk to health and safety, locked, barricaded, overgrown, or areas not made accessible.
5. Access, the presence of services and activities on the site, limited locations where sampling could be carried out and the techniques that could be used.
6. Assessments are based on available information at the time of writing and are ultimately for the decision of the regulatory authorities.
7. The conclusions and recommendations provide an overview and guidance only and should not be specifically relied upon without considering the context of the report in full.
8. Worms Eye cannot be held responsible for any use of the report or its contents for any purpose other than that for which it was prepared. The copyright of this report, and other plans or documents prepared by Worms Eye, is owned by them, and no such plans or documents may be reproduced, published or adapted without written consent. Complete copies may be made and distributed by the client, as expected, in dealing with matters related to its commission. Should the client pass copies of the report to other parties for information, the whole report should be copied, but no professional liability, or warranties, shall be extended to other parties by Worms Eye, without their written agreement.
9. New information, revised practices, or changes in legislation, may necessitate the re-interpretation of the report, in whole or in part.



Proposed Ground Floor Plan (1:50)

Proposed Gable Elevation (1:100)



|                                                                       |                           |                                                           |                          |                                        |                                                                |                                                                          |                                    |                                            |                                              |
|-----------------------------------------------------------------------|---------------------------|-----------------------------------------------------------|--------------------------|----------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------|--------------------------------------------|----------------------------------------------|
| <div>Worms Eye Limted</div> <div>PO Box 1157<br/>COLNE, BB9 4HS</div> |                           |                                                           |                          |                                        | <div>Site</div> <div>16 - 18 Paradise Street, Ramsbottom</div> |                                                                          |                                    | <div>Trial Pit Number</div> <div>THB</div> |                                              |
| <div>Excavation Method</div> <div>Trial Pit</div>                     |                           | <div>Dimensions</div>                                     |                          | <div>Ground Level (mOD)</div>          |                                                                | <div>Client</div> <div>A Warburton Building Service Ltd.</div>           |                                    | <div>Job Number</div> <div>BL0 9BS</div>   |                                              |
|                                                                       |                           | <div>Location</div> <div>Southeast, away from house</div> |                          | <div>Dates</div> <div>17/05/2022</div> |                                                                | <div>Project Contractor</div> <div>Worms Eye Ltd.</div>                  |                                    | <div>Sheet</div> <div>1/1</div>            |                                              |
| <div>Depth (m)</div>                                                  | <div>Sample / Tests</div> | <div>Water Depth (m)</div>                                | <div>Field Records</div> | <div>Level (mOD)</div>                 | <div>Depth (m) (Thickness)</div>                               | <div>Description</div>                                                   |                                    | <div>Legend</div>                          | <div>Water</div>                             |
|                                                                       |                           |                                                           |                          |                                        |                                                                | <div>MADE GROUND (dark slightly sandy soil with gravel and brick).</div> |                                    | <div></div>                                |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                | <div>Very sandy, possible riverbed, with gravel.</div>                   |                                    | <div></div>                                |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                | <div>Light brown sandy CLAY.</div>                                       |                                    | <div></div>                                |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                | <div>Complete at 1.00m</div>                                             |                                    |                                            |                                              |
| <div>Plan</div>                                                       |                           |                                                           |                          |                                        | <div>Remarks</div> <div>Trial hole dry.</div>                  |                                                                          |                                    |                                            |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                |                                                                          |                                    |                                            |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                |                                                                          |                                    |                                            |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                |                                                                          |                                    |                                            |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                |                                                                          |                                    |                                            |                                              |
|                                                                       |                           |                                                           |                          |                                        |                                                                |                                                                          |                                    |                                            |                                              |
|                                                                       |                           |                                                           |                          |                                        | <div>Scale (approx)</div> <div>1:25</div>                      |                                                                          | <div>Logged By</div> <div>EW</div> |                                            | <div>Figure No.</div> <div>BL0 9BS.THB</div> |





# Final Report

---

**Report No.:** 22-18629-1  
**Initial Date of Issue:** 24-May-2022  
**Client** Worms Eye Ltd  
**Client Address:** PO Box 1157  
Colne  
Lancashire  
BB9 4HS  
**Contact(s):** David Lord  
**Project** BL0 9BS 16-18 Paradise Street,  
Ramsbottom

|                             |             |                         |             |
|-----------------------------|-------------|-------------------------|-------------|
| <b>Quotation No.:</b>       |             | <b>Date Received:</b>   | 19-May-2022 |
| <b>Order No.:</b>           | 18/5/22     | <b>Date Instructed:</b> | 19-May-2022 |
| <b>No. of Samples:</b>      | 3           |                         |             |
| <b>Turnaround (Wkdays):</b> | 5           | <b>Results Due:</b>     | 25-May-2022 |
| <b>Date Approved:</b>       | 24-May-2022 |                         |             |

**Approved By:**

**Details:** Stuart Henderson, Technical  
Manager

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## Results - Soil

**Project: BL0 9BS 16-18 Paradise Street, Ramsbottom**

|                                     |                             |            |              |            |                      |                      |                      |
|-------------------------------------|-----------------------------|------------|--------------|------------|----------------------|----------------------|----------------------|
| <b>Client: Worms Eye Ltd</b>        | <b>Chemtest Job No.:</b>    |            |              |            | 22-18629             | 22-18629             | 22-18629             |
| Quotation No.:                      | <b>Chemtest Sample ID.:</b> |            |              |            | 1431786              | 1431787              | 1431788              |
|                                     | Sample Location:            |            |              |            | THA                  | THB                  | THC                  |
|                                     | Sample Type:                |            |              |            | SOIL                 | SOIL                 | SOIL                 |
|                                     | Top Depth (m):              |            |              |            | 0.25                 | 0.25                 | 0.25                 |
|                                     | Date Sampled:               |            |              |            | 17-May-2022          | 17-May-2022          | 17-May-2022          |
|                                     | Asbestos Lab:               |            |              |            | DURHAM               | DURHAM               | DURHAM               |
| <b>Determinand</b>                  | <b>Accred.</b>              | <b>SOP</b> | <b>Units</b> | <b>LOD</b> |                      |                      |                      |
| ACM Type                            | U                           | 2192       |              | N/A        | -                    | -                    | -                    |
| Asbestos Identification             | U                           | 2192       |              | N/A        | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| Moisture                            | N                           | 2030       | %            | 0.020      | 17                   | 12                   | 14                   |
| Soil Colour                         | N                           | 2040       |              | N/A        | Brown                | Brown                | Brown                |
| Other Material                      | N                           | 2040       |              | N/A        | Stones               | Stones               | Stones and Roots     |
| Soil Texture                        | N                           | 2040       |              | N/A        | Sand                 | Sand                 | Sand                 |
| pH                                  | M                           | 2010       |              | 4.0        | 8.3                  | 8.3                  | 8.3                  |
| Sulphate (2:1 Water Soluble) as SO4 | M                           | 2120       | g/l          | 0.010      | 0.27                 | 0.18                 | 0.040                |
| Sulphur (Elemental)                 | M                           | 2180       | mg/kg        | 1.0        | 60                   | 8.8                  | 4.2                  |
| Cyanide (Free)                      | M                           | 2300       | mg/kg        | 0.50       | < 0.50               | < 0.50               | < 0.50               |
| Cyanide (Total)                     | M                           | 2300       | mg/kg        | 0.50       | 1.9                  | < 0.50               | < 0.50               |
| Thiocyanate                         | M                           | 2300       | mg/kg        | 5.0        | < 5.0                | < 5.0                | < 5.0                |
| Sulphide (Easily Liberatable)       | N                           | 2325       | mg/kg        | 0.50       | 8.1                  | 7.9                  | 4.0                  |
| Sulphate (Total)                    | U                           | 2430       | mg/kg        | 100        | 3000                 | 880                  | 740                  |
| Arsenic                             | M                           | 2455       | mg/kg        | 0.5        | 110                  | 6.6                  | 16                   |
| Cadmium                             | M                           | 2455       | mg/kg        | 0.10       | 8.8                  | < 0.10               | 0.19                 |
| Chromium                            | M                           | 2455       | mg/kg        | 0.5        | 120                  | 8.2                  | 11                   |
| Copper                              | M                           | 2455       | mg/kg        | 0.50       | 77                   | 13                   | 29                   |
| Mercury                             | M                           | 2455       | mg/kg        | 0.05       | 0.61                 | < 0.05               | 0.15                 |
| Nickel                              | M                           | 2455       | mg/kg        | 0.50       | 27                   | 8.9                  | 13                   |
| Lead                                | M                           | 2455       | mg/kg        | 0.50       | 470                  | 21                   | 81                   |
| Selenium                            | M                           | 2455       | mg/kg        | 0.25       | 1.3                  | 0.41                 | 0.44                 |
| Zinc                                | M                           | 2455       | mg/kg        | 0.50       | 310                  | 34                   | 58                   |
| Chromium (Hexavalent)               | N                           | 2490       | mg/kg        | 0.50       | < 0.50               | < 0.50               | < 0.50               |
| Organic Matter                      | M                           | 2625       | %            | 0.40       | 33                   | 4.3                  | 11                   |
| Total Organic Carbon                | M                           | 2625       | %            | 0.20       | 19                   | 2.5                  | 6.3                  |
| Aliphatic TPH >C5-C6                | N                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | < 1.0                |
| Aliphatic TPH >C6-C8                | N                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | < 1.0                |
| Aliphatic TPH >C8-C10               | M                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | < 1.0                |
| Aliphatic TPH >C10-C12              | M                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | 19                   |
| Aliphatic TPH >C12-C16              | M                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | 22                   |
| Aliphatic TPH >C16-C21              | M                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | 29                   |
| Aliphatic TPH >C21-C35              | M                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | 140                  |
| Aliphatic TPH >C35-C44              | N                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | < 1.0                |
| Total Aliphatic Hydrocarbons        | N                           | 2680       | mg/kg        | 5.0        | < 5.0                | < 5.0                | 210                  |
| Aromatic TPH >C5-C7                 | N                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | < 1.0                |
| Aromatic TPH >C7-C8                 | N                           | 2680       | mg/kg        | 1.0        | < 1.0                | < 1.0                | < 1.0                |

## Results - Soil

**Project: BL0 9BS 16-18 Paradise Street, Ramsbottom**

|                              |                             |            |              |            |             |             |             |
|------------------------------|-----------------------------|------------|--------------|------------|-------------|-------------|-------------|
| <b>Client: Worms Eye Ltd</b> | <b>Chemtest Job No.:</b>    |            |              |            | 22-18629    | 22-18629    | 22-18629    |
| <b>Quotation No.:</b>        | <b>Chemtest Sample ID.:</b> |            |              |            | 1431786     | 1431787     | 1431788     |
|                              | Sample Location:            |            |              |            | THA         | THB         | THC         |
|                              | Sample Type:                |            |              |            | SOIL        | SOIL        | SOIL        |
|                              | Top Depth (m):              |            |              |            | 0.25        | 0.25        | 0.25        |
|                              | Date Sampled:               |            |              |            | 17-May-2022 | 17-May-2022 | 17-May-2022 |
|                              | Asbestos Lab:               |            |              |            | DURHAM      | DURHAM      | DURHAM      |
| <b>Determinand</b>           | <b>Accred.</b>              | <b>SOP</b> | <b>Units</b> | <b>LOD</b> |             |             |             |
| Aromatic TPH >C8-C10         | M                           | 2680       | mg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Aromatic TPH >C10-C12        | M                           | 2680       | mg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Aromatic TPH >C12-C16        | M                           | 2680       | mg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Aromatic TPH >C16-C21        | U                           | 2680       | mg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Aromatic TPH >C21-C35        | M                           | 2680       | mg/kg        | 1.0        | < 1.0       | < 1.0       | 230         |
| Aromatic TPH >C35-C44        | N                           | 2680       | mg/kg        | 1.0        | < 1.0       | < 1.0       | 8.0         |
| Total Aromatic Hydrocarbons  | N                           | 2680       | mg/kg        | 5.0        | < 5.0       | < 5.0       | 230         |
| Total Petroleum Hydrocarbons | N                           | 2680       | mg/kg        | 10.0       | < 10        | < 10        | 440         |
| Naphthalene                  | M                           | 2700       | mg/kg        | 0.10       | 2.1         | 0.60        | < 0.10      |
| Acenaphthylene               | M                           | 2700       | mg/kg        | 0.10       | 0.62        | 0.15        | < 0.10      |
| Acenaphthene                 | M                           | 2700       | mg/kg        | 0.10       | 0.51        | 0.11        | < 0.10      |
| Fluorene                     | M                           | 2700       | mg/kg        | 0.10       | 0.87        | 0.16        | < 0.10      |
| Phenanthrene                 | M                           | 2700       | mg/kg        | 0.10       | 2.5         | 0.34        | < 0.10      |
| Anthracene                   | M                           | 2700       | mg/kg        | 0.10       | 0.61        | 0.14        | < 0.10      |
| Fluoranthene                 | M                           | 2700       | mg/kg        | 0.10       | 2.7         | 0.43        | 0.47        |
| Pyrene                       | M                           | 2700       | mg/kg        | 0.10       | 3.2         | 0.63        | 0.73        |
| Benzo[a]anthracene           | M                           | 2700       | mg/kg        | 0.10       | 1.8         | 0.11        | < 0.10      |
| Chrysene                     | M                           | 2700       | mg/kg        | 0.10       | 3.5         | 0.90        | < 0.10      |
| Benzo[b]fluoranthene         | M                           | 2700       | mg/kg        | 0.10       | 3.1         | 0.35        | < 0.10      |
| Benzo[k]fluoranthene         | M                           | 2700       | mg/kg        | 0.10       | 2.4         | 0.82        | < 0.10      |
| Benzo[a]pyrene               | M                           | 2700       | mg/kg        | 0.10       | 2.7         | 0.31        | < 0.10      |
| Indeno(1,2,3-c,d)Pyrene      | M                           | 2700       | mg/kg        | 0.10       | 1.8         | 0.19        | < 0.10      |
| Dibenz(a,h)Anthracene        | M                           | 2700       | mg/kg        | 0.10       | 0.89        | 0.37        | < 0.10      |
| Benzo[g,h,i]perylene         | M                           | 2700       | mg/kg        | 0.10       | 1.9         | 0.29        | < 0.10      |
| Total Of 16 PAH's            | M                           | 2700       | mg/kg        | 2.0        | 31          | 5.9         | < 2.0       |
| Benzene                      | M                           | 2760       | µg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Toluene                      | M                           | 2760       | µg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Ethylbenzene                 | M                           | 2760       | µg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| m & p-Xylene                 | M                           | 2760       | µg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| o-Xylene                     | M                           | 2760       | µg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Methyl Tert-Butyl Ether      | M                           | 2760       | µg/kg        | 1.0        | < 1.0       | < 1.0       | < 1.0       |
| Total PCBs (7 congeners)     | N                           | 2815       | mg/kg        | 0.0010     | < 0.0010    | < 0.0010    |             |
| Total Phenols                | M                           | 2920       | mg/kg        | 0.10       | < 0.10      | < 0.10      | < 0.10      |

## Test Methods

| SOP  | Title                                                               | Parameters included                                                                                                                                                                                                                                           | Method summary                                                                                                                                                                         |
|------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2010 | pH Value of Soils                                                   | pH                                                                                                                                                                                                                                                            | pH Meter                                                                                                                                                                               |
| 2030 | Moisture and Stone Content of Soils(Requirement of MCERTS)          | Moisture content                                                                                                                                                                                                                                              | Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.                                                                                   |
| 2040 | Soil Description(Requirement of MCERTS)                             | Soil description                                                                                                                                                                                                                                              | As received soil is described based upon BS5930                                                                                                                                        |
| 2120 | Water Soluble Boron, Sulphate, Magnesium & Chromium                 | Boron; Sulphate; Magnesium; Chromium                                                                                                                                                                                                                          | Aqueous extraction / ICP-OES                                                                                                                                                           |
| 2180 | Sulphur (Elemental) in Soils by HPLC                                | Sulphur                                                                                                                                                                                                                                                       | Dichloromethane extraction / HPLC with UV detection                                                                                                                                    |
| 2192 | Asbestos                                                            | Asbestos                                                                                                                                                                                                                                                      | Polarised light microscopy / Gravimetry                                                                                                                                                |
| 2300 | Cyanides & Thiocyanate in Soils                                     | Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate                                                                                                                                                                               | Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.                                                                                    |
| 2325 | Sulphide in Soils                                                   | Sulphide                                                                                                                                                                                                                                                      | Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.                                                           |
| 2430 | Total Sulphate in soils                                             | Total Sulphate                                                                                                                                                                                                                                                | Acid digestion followed by determination of sulphate in extract by ICP-OES.                                                                                                            |
| 2490 | Hexavalent Chromium in Soils                                        | Chromium [VI]                                                                                                                                                                                                                                                 | Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine. |
| 2625 | Total Organic Carbon in Soils                                       | Total organic Carbon (TOC)                                                                                                                                                                                                                                    | Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.                                                                                             |
| 2680 | TPH A/A Split                                                       | Aliphatics: >C5-C6, >C6-C8,>C8-C10, >C10-C12, >C12-C16, >C16-C21, >C21-C35, >C35- C44Aromatics: >C5-C7, >C7-C8, >C8- C10, >C10-C12, >C12-C16, >C16- C21, >C21- C35, >C35- C44                                                                                 | Dichloromethane extraction / GCxGC FID detection                                                                                                                                       |
| 2700 | Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID | Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene | Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)                                                   |
| 2760 | Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS       | Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule                                                                                                                          | Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.                             |
| 2815 | Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS    | ICES7 PCB congeners                                                                                                                                                                                                                                           | Acetone/Hexane extraction / GC-MS                                                                                                                                                      |
| 2920 | Phenols in Soils by HPLC                                            | Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.                                                                                                             | 60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.                                                                               |

## **Report Information**

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### **Key**

|     |                                                                                                               |
|-----|---------------------------------------------------------------------------------------------------------------|
| U   | UKAS accredited                                                                                               |
| M   | MCERTS and UKAS accredited                                                                                    |
| N   | Unaccredited                                                                                                  |
| S   | This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis     |
| SN  | This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis |
| T   | This analysis has been subcontracted to an unaccredited laboratory                                            |
| I/S | Insufficient Sample                                                                                           |
| U/S | Unsuitable Sample                                                                                             |
| N/E | not evaluated                                                                                                 |
| <   | "less than"                                                                                                   |
| >   | "greater than"                                                                                                |
| SOP | Standard operating procedure                                                                                  |
| LOD | Limit of detection                                                                                            |

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

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### **Sample Deviation Codes**

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

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### **Sample Retention and Disposal**

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

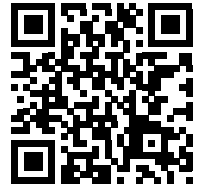
If you require extended retention of samples, please email your requirements to:

[customerservices@chemtest.com](mailto:customerservices@chemtest.com)

## Waste Classification Report

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

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



DV3EH-VSSOV-0SS45

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

### Job name

16-18 Paradise Street, Ramsbottom, BL0 9BS

### Description/Comments

### Project

16-18 Paradise Street, Ramsbottom, BL0 9BS

### Site

16-18 Paradise Street, Ramsbottom, BL0 9BS

### Classified by

Name: **Emma Whitaker**  
 Date: **27 May 2022 08:05 GMT**  
 Telephone: **01282 414649**  
 Company: **Worms Eye Ltd**  
**1st Floor Block C, The Wharf**  
**Manchester Road**  
**Burnley**  
**BB11 1JG**

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

### HazWasteOnline™ Certification:

Course: **Hazardous Waste Classification**

Date

### Job summary

| # | Sample name | Depth [m] | Classification Result | Hazard properties | Page |
|---|-------------|-----------|-----------------------|-------------------|------|
| 1 | THA         | 0.25      | Non Hazardous         |                   | 2    |
| 2 | THB         | 0.25      | Non Hazardous         |                   | 5    |
| 3 | THC         | 0.25      | Non Hazardous         |                   | 8    |

### Related documents

| # | Name         | Description                                   |
|---|--------------|-----------------------------------------------|
| 1 | Worms Eye v3 | waste stream template used to create this Job |

### Report

Created by: Emma Whitaker

Created date: 27 May 2022 08:05 GMT

| Appendices                                                 | Page |
|------------------------------------------------------------|------|
| Appendix A: Classifier defined and non GB MCL determinands | 11   |
| Appendix B: Rationale for selection of metal species       | 12   |
| Appendix C: Version                                        | 12   |

### Classification of sample: THA

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

### Sample details

|                   |                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------|
| Sample name:      | LoW Code:                                                                                          |
| <b>THA</b>        | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Sample Depth:     | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>0.25 m</b>     |                                                                                                    |
| Moisture content: |                                                                                                    |
| <b>17%</b>        |                                                                                                    |
| (no correction)   |                                                                                                    |

### Hazard properties

None identified

### Determinands

Moisture content: 17% No Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                                                            |                                |                                  | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                                                    | EC Number                      | CAS Number                       |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                                                           |                                |                                  |          | 110 mg/kg         | 1.32         | 145.236 mg/kg  | 0.0145 %     |                      |            |                |
|    | 033-003-00-0                                                                                                                                                                           | 215-481-4                      | 1327-53-3                        |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium sulfide }                                                                                                                                                            |                                |                                  | 1        | 8.8 mg/kg         | 1.285        | 11.31 mg/kg    | 0.00088 %    |                      |            |                |
|    | 048-010-00-4                                                                                                                                                                           | 215-147-8                      | 1306-23-6                        |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                                               |                                |                                  |          | 120 mg/kg         | 1.462        | 175.387 mg/kg  | 0.0175 %     |                      |            |                |
|    |                                                                                                                                                                                        | 215-160-9                      | 1308-38-9                        |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) oxide }                                                                                                                              |                                |                                  |          | <0.5 mg/kg        | 1.923        | <0.962 mg/kg   | <0.0000962 % |                      |            | <LOD           |
|    | 024-001-00-0                                                                                                                                                                           | 215-607-8                      | 1333-82-0                        |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                                                            |                                |                                  |          | 77 mg/kg          | 1.126        | 86.693 mg/kg   | 0.00867 %    |                      |            |                |
|    | 029-002-00-X                                                                                                                                                                           | 215-270-7                      | 1317-39-1                        |          |                   |              |                |              |                      |            |                |
| 6  | 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 } |                                |                                  |          | 1.9 mg/kg         | 1.884        | 3.58 mg/kg     | 0.000358 %   |                      |            |                |
|    | 006-007-00-5                                                                                                                                                                           |                                |                                  |          |                   |              |                |              |                      |            |                |
| 7  | lead { lead chromate }                                                                                                                                                                 |                                |                                  | 1        | 470 mg/kg         | 1.56         | 733.113 mg/kg  | 0.047 %      |                      |            |                |
|    | 082-004-00-2                                                                                                                                                                           | 231-846-0                      | 7758-97-6                        |          |                   |              |                |              |                      |            |                |
| 8  | mercury { mercury dichloride }                                                                                                                                                         |                                |                                  |          | 0.61 mg/kg        | 1.353        | 0.826 mg/kg    | 0.0000826 %  |                      |            |                |
|    | 080-010-00-X                                                                                                                                                                           | 231-299-8                      | 7487-94-7                        |          |                   |              |                |              |                      |            |                |
| 9  | nickel { nickel dihydroxide }                                                                                                                                                          |                                |                                  |          | 27 mg/kg          | 1.579        | 42.646 mg/kg   | 0.00426 %    |                      |            |                |
|    | 028-008-00-X                                                                                                                                                                           | 235-008-5 [1]<br>234-348-1 [2] | 12054-48-7 [1]<br>11113-74-9 [2] |          |                   |              |                |              |                      |            |                |
| 10 | pH                                                                                                                                                                                     |                                |                                  |          | 8.3 pH            |              | 8.3 pH         | 8.3 pH       |                      |            |                |
|    |                                                                                                                                                                                        |                                |                                  |          |                   |              |                |              |                      |            |                |
| 11 | phenol                                                                                                                                                                                 |                                |                                  |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %   |                      |            | <LOD           |
|    | 604-001-00-2                                                                                                                                                                           | 203-632-7                      | 108-95-2                         |          |                   |              |                |              |                      |            |                |
| 12 | selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }                                                               |                                |                                  |          | 1.3 mg/kg         | 1.405        | 1.827 mg/kg    | 0.000183 %   |                      |            |                |
|    | 034-002-00-8                                                                                                                                                                           |                                |                                  |          |                   |              |                |              |                      |            |                |
| 13 | zinc { zinc oxide }                                                                                                                                                                    |                                |                                  |          | 310 mg/kg         | 1.245        | 385.861 mg/kg  | 0.0386 %     |                      |            |                |
|    | 030-013-00-7                                                                                                                                                                           | 215-222-5                      | 1314-13-2                        |          |                   |              |                |              |                      |            |                |
| 14 | benzene                                                                                                                                                                                |                                |                                  |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                                                           | 200-753-7                      | 71-43-2                          |          |                   |              |                |              |                      |            |                |

# WORMS EYE

## LIMITED

| #      | Determinand                        |                                                                  |                                                                                                 | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                | EC Number                                                        | CAS Number                                                                                      |          |                   |              |                |                      |            |                |
| 15     | toluene                            |                                                                  |                                                                                                 |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
|        | 601-021-00-3                       | 203-625-9                                                        | 108-88-3                                                                                        |          |                   |              |                |                      |            |                |
| 16     | ethylbenzene                       |                                                                  |                                                                                                 |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
|        | 601-023-00-4                       | 202-849-4                                                        | 100-41-4                                                                                        |          |                   |              |                |                      |            |                |
| 17     | xylene                             |                                                                  |                                                                                                 |          | <0.002 mg/kg      |              | <0.002 mg/kg   | <0.0000002 %         |            | <LOD           |
|        | 601-022-00-9                       | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4]                                    |          |                   |              |                |                      |            |                |
| 18     | TPH (C6 to C40) petroleum group    |                                                                  |                                                                                                 |          | <10 mg/kg         |              | <10 mg/kg      | <0.001 %             |            | <LOD           |
|        |                                    |                                                                  | TPH                                                                                             |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                       |                                                                  |                                                                                                 |          | 0.51 mg/kg        |              | 0.51 mg/kg     | 0.000051 %           |            |                |
|        |                                    | 201-469-6                                                        | 83-32-9                                                                                         |          |                   |              |                |                      |            |                |
| 20     | acenaphthylene                     |                                                                  |                                                                                                 |          | 0.62 mg/kg        |              | 0.62 mg/kg     | 0.000062 %           |            |                |
|        |                                    | 205-917-1                                                        | 208-96-8                                                                                        |          |                   |              |                |                      |            |                |
| 21     | anthracene                         |                                                                  |                                                                                                 |          | 0.61 mg/kg        |              | 0.61 mg/kg     | 0.000061 %           |            |                |
|        |                                    | 204-371-1                                                        | 120-12-7                                                                                        |          |                   |              |                |                      |            |                |
| 22     | benzo[a]anthracene                 |                                                                  |                                                                                                 |          | 1.8 mg/kg         |              | 1.8 mg/kg      | 0.00018 %            |            |                |
|        | 601-033-00-9                       | 200-280-6                                                        | 56-55-3                                                                                         |          |                   |              |                |                      |            |                |
| 23     | benzo[a]pyrene; benzo[def]chrysene |                                                                  |                                                                                                 |          | 2.7 mg/kg         |              | 2.7 mg/kg      | 0.00027 %            |            |                |
|        | 601-032-00-3                       | 200-028-5                                                        | 50-32-8                                                                                         |          |                   |              |                |                      |            |                |
| 24     | benzo[b]fluoranthene               |                                                                  |                                                                                                 |          | 3.1 mg/kg         |              | 3.1 mg/kg      | 0.00031 %            |            |                |
|        | 601-034-00-4                       | 205-911-9                                                        | 205-99-2                                                                                        |          |                   |              |                |                      |            |                |
| 25     | benzo[k]fluoranthene               |                                                                  |                                                                                                 |          | 2.4 mg/kg         |              | 2.4 mg/kg      | 0.00024 %            |            |                |
|        | 601-036-00-5                       | 205-916-6                                                        | 207-08-9                                                                                        |          |                   |              |                |                      |            |                |
| 26     | benzo[ghi]perylene                 |                                                                  |                                                                                                 |          | 1.9 mg/kg         |              | 1.9 mg/kg      | 0.00019 %            |            |                |
|        |                                    | 205-883-8                                                        | 191-24-2                                                                                        |          |                   |              |                |                      |            |                |
| 27     | chrysene                           |                                                                  |                                                                                                 |          | 3.5 mg/kg         |              | 3.5 mg/kg      | 0.00035 %            |            |                |
|        | 601-048-00-0                       | 205-923-4                                                        | 218-01-9                                                                                        |          |                   |              |                |                      |            |                |
| 28     | dibenz[a,h]anthracene              |                                                                  |                                                                                                 |          | 0.89 mg/kg        |              | 0.89 mg/kg     | 0.000089 %           |            |                |
|        | 601-041-00-2                       | 200-181-8                                                        | 53-70-3                                                                                         |          |                   |              |                |                      |            |                |
| 29     | fluoranthene                       |                                                                  |                                                                                                 |          | 2.7 mg/kg         |              | 2.7 mg/kg      | 0.00027 %            |            |                |
|        |                                    | 205-912-4                                                        | 206-44-0                                                                                        |          |                   |              |                |                      |            |                |
| 30     | fluorene                           |                                                                  |                                                                                                 |          | 0.87 mg/kg        |              | 0.87 mg/kg     | 0.000087 %           |            |                |
|        |                                    | 201-695-5                                                        | 86-73-7                                                                                         |          |                   |              |                |                      |            |                |
| 31     | indeno[123-cd]pyrene               |                                                                  |                                                                                                 |          | 1.8 mg/kg         |              | 1.8 mg/kg      | 0.00018 %            |            |                |
|        |                                    | 205-893-2                                                        | 193-39-5                                                                                        |          |                   |              |                |                      |            |                |
| 32     | naphthalene                        |                                                                  |                                                                                                 |          | 2.1 mg/kg         |              | 2.1 mg/kg      | 0.00021 %            |            |                |
|        | 601-052-00-2                       | 202-049-5                                                        | 91-20-3                                                                                         |          |                   |              |                |                      |            |                |
| 33     | phenanthrene                       |                                                                  |                                                                                                 |          | 2.5 mg/kg         |              | 2.5 mg/kg      | 0.00025 %            |            |                |
|        |                                    | 201-581-5                                                        | 85-01-8                                                                                         |          |                   |              |                |                      |            |                |
| 34     | pyrene                             |                                                                  |                                                                                                 |          | 3.2 mg/kg         |              | 3.2 mg/kg      | 0.00032 %            |            |                |
|        |                                    | 204-927-3                                                        | 129-00-0                                                                                        |          |                   |              |                |                      |            |                |
| 35     | asbestos                           |                                                                  |                                                                                                 |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
|        | 650-013-00-6                       | -----                                                            | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 |          |                   |              |                |                      |            |                |
| Total: |                                    |                                                                  |                                                                                                 |          |                   |              |                | 0.136 %              |            |                |

Key

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

### Classification of sample: THB

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

### Sample details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Sample name:      | LoW Code:                                                                                 |
| <b>THB</b>        | Chapter:                                                                                  |
| Sample Depth:     | 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| <b>0.25 m</b>     | Entry:                                                                                    |
| Moisture content: | 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                         |
| <b>12%</b>        |                                                                                           |
| (no correction)   |                                                                                           |

### Hazard properties

None identified

### Determinands

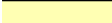
Moisture content: 12% No Moisture Correction applied (MC)

| #  | Determinand                                                                                                                                                                            |                                |                                  | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                                                    | EC Number                      | CAS Number                       |          |                   |              |                |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                                                           |                                |                                  |          | 6.6 mg/kg         | 1.32         | 8.714 mg/kg    | 0.000871 %           |            |                |
|    | 033-003-00-0                                                                                                                                                                           | 215-481-4                      | 1327-53-3                        |          |                   |              |                |                      |            |                |
| 2  | cadmium { cadmium sulfide }                                                                                                                                                            |                                |                                  | 1        | <0.1 mg/kg        | 1.285        | <0.129 mg/kg   | <0.00001 %           |            | <LOD           |
|    | 048-010-00-4                                                                                                                                                                           | 215-147-8                      | 1306-23-6                        |          |                   |              |                |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                                               |                                |                                  |          | 8.2 mg/kg         | 1.462        | 11.985 mg/kg   | 0.0012 %             |            |                |
|    |                                                                                                                                                                                        | 215-160-9                      | 1308-38-9                        |          |                   |              |                |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) oxide }                                                                                                                              |                                |                                  |          | <0.5 mg/kg        | 1.923        | <0.962 mg/kg   | <0.0000962 %         |            | <LOD           |
|    | 024-001-00-0                                                                                                                                                                           | 215-607-8                      | 1333-82-0                        |          |                   |              |                |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                                                            |                                |                                  |          | 13 mg/kg          | 1.126        | 14.637 mg/kg   | 0.00146 %            |            |                |
|    | 029-002-00-X                                                                                                                                                                           | 215-270-7                      | 1317-39-1                        |          |                   |              |                |                      |            |                |
| 6  | 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 } |                                |                                  |          | <0.5 mg/kg        | 1.884        | <0.942 mg/kg   | <0.0000942 %         |            | <LOD           |
|    | 006-007-00-5                                                                                                                                                                           |                                |                                  |          |                   |              |                |                      |            |                |
| 7  | lead { lead chromate }                                                                                                                                                                 |                                |                                  | 1        | 21 mg/kg          | 1.56         | 32.756 mg/kg   | 0.0021 %             |            |                |
|    | 082-004-00-2                                                                                                                                                                           | 231-846-0                      | 7758-97-6                        |          |                   |              |                |                      |            |                |
| 8  | mercury { mercury dichloride }                                                                                                                                                         |                                |                                  |          | <0.05 mg/kg       | 1.353        | <0.0677 mg/kg  | <0.00000677 %        |            | <LOD           |
|    | 080-010-00-X                                                                                                                                                                           | 231-299-8                      | 7487-94-7                        |          |                   |              |                |                      |            |                |
| 9  | nickel { nickel dihydroxide }                                                                                                                                                          |                                |                                  |          | 8.9 mg/kg         | 1.579        | 14.058 mg/kg   | 0.00141 %            |            |                |
|    | 028-008-00-X                                                                                                                                                                           | 235-008-5 [1]<br>234-348-1 [2] | 12054-48-7 [1]<br>11113-74-9 [2] |          |                   |              |                |                      |            |                |
| 10 | pH                                                                                                                                                                                     |                                | PH                               |          | 8.3 pH            |              | 8.3 pH         | 8.3 pH               |            |                |
| 11 | phenol                                                                                                                                                                                 |                                |                                  |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|    | 604-001-00-2                                                                                                                                                                           | 203-632-7                      | 108-95-2                         |          |                   |              |                |                      |            |                |
| 12 | selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }                                                               |                                |                                  |          | 0.41 mg/kg        | 1.405        | 0.576 mg/kg    | 0.0000576 %          |            |                |
|    | 034-002-00-8                                                                                                                                                                           |                                |                                  |          |                   |              |                |                      |            |                |
| 13 | zinc { zinc oxide }                                                                                                                                                                    |                                |                                  |          | 34 mg/kg          | 1.245        | 42.32 mg/kg    | 0.00423 %            |            |                |
|    | 030-013-00-7                                                                                                                                                                           | 215-222-5                      | 1314-13-2                        |          |                   |              |                |                      |            |                |
| 14 | benzene                                                                                                                                                                                |                                |                                  |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
|    | 601-020-00-8                                                                                                                                                                           | 200-753-7                      | 71-43-2                          |          |                   |              |                |                      |            |                |

| #      | Determinand                                        |                                                                  |                                                                                                 | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|----------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                                | EC Number                                                        | CAS Number                                                                                      |          |                   |              |                |                      |            |                |
| 15     | toluene<br>601-021-00-3                            | 203-625-9                                                        | 108-88-3                                                                                        |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
| 16     | ethylbenzene<br>601-023-00-4                       | 202-849-4                                                        | 100-41-4                                                                                        |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
| 17     | xylene<br>601-022-00-9                             | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4]                                    |          | <0.002 mg/kg      |              | <0.002 mg/kg   | <0.0000002 %         |            | <LOD           |
| 18     | TPH (C6 to C40) petroleum group<br>TPH             |                                                                  |                                                                                                 |          | <10 mg/kg         |              | <10 mg/kg      | <0.001 %             |            | <LOD           |
| 19     | acenaphthene<br>201-469-6                          | 83-32-9                                                          |                                                                                                 |          | 0.11 mg/kg        |              | 0.11 mg/kg     | 0.000011 %           |            |                |
| 20     | acenaphthylene<br>205-917-1                        | 208-96-8                                                         |                                                                                                 |          | 0.15 mg/kg        |              | 0.15 mg/kg     | 0.000015 %           |            |                |
| 21     | anthracene<br>204-371-1                            | 120-12-7                                                         |                                                                                                 |          | 0.14 mg/kg        |              | 0.14 mg/kg     | 0.000014 %           |            |                |
| 22     | benzo[a]anthracene<br>601-033-00-9                 | 200-280-6                                                        | 56-55-3                                                                                         |          | 0.11 mg/kg        |              | 0.11 mg/kg     | 0.000011 %           |            |                |
| 23     | benzo[a]pyrene; benzo[def]chrysene<br>601-032-00-3 | 200-028-5                                                        | 50-32-8                                                                                         |          | 0.31 mg/kg        |              | 0.31 mg/kg     | 0.000031 %           |            |                |
| 24     | benzo[b]fluoranthene<br>601-034-00-4               | 205-911-9                                                        | 205-99-2                                                                                        |          | 0.35 mg/kg        |              | 0.35 mg/kg     | 0.000035 %           |            |                |
| 25     | benzo[k]fluoranthene<br>601-036-00-5               | 205-916-6                                                        | 207-08-9                                                                                        |          | 0.82 mg/kg        |              | 0.82 mg/kg     | 0.000082 %           |            |                |
| 26     | benzo[ghi]perylene<br>205-883-8                    | 191-24-2                                                         |                                                                                                 |          | 0.29 mg/kg        |              | 0.29 mg/kg     | 0.000029 %           |            |                |
| 27     | chrysene<br>601-048-00-0                           | 205-923-4                                                        | 218-01-9                                                                                        |          | 0.9 mg/kg         |              | 0.9 mg/kg      | 0.00009 %            |            |                |
| 28     | dibenz[a,h]anthracene<br>601-041-00-2              | 200-181-8                                                        | 53-70-3                                                                                         |          | 0.37 mg/kg        |              | 0.37 mg/kg     | 0.000037 %           |            |                |
| 29     | fluoranthene<br>205-912-4                          | 206-44-0                                                         |                                                                                                 |          | 0.43 mg/kg        |              | 0.43 mg/kg     | 0.000043 %           |            |                |
| 30     | fluorene<br>201-695-5                              | 86-73-7                                                          |                                                                                                 |          | 0.16 mg/kg        |              | 0.16 mg/kg     | 0.000016 %           |            |                |
| 31     | indeno[123-cd]pyrene<br>205-893-2                  | 193-39-5                                                         |                                                                                                 |          | 0.19 mg/kg        |              | 0.19 mg/kg     | 0.000019 %           |            |                |
| 32     | naphthalene<br>601-052-00-2                        | 202-049-5                                                        | 91-20-3                                                                                         |          | 0.6 mg/kg         |              | 0.6 mg/kg      | 0.00006 %            |            |                |
| 33     | phenanthrene<br>201-581-5                          | 85-01-8                                                          |                                                                                                 |          | 0.34 mg/kg        |              | 0.34 mg/kg     | 0.000034 %           |            |                |
| 34     | pyrene<br>204-927-3                                | 129-00-0                                                         |                                                                                                 |          | 0.63 mg/kg        |              | 0.63 mg/kg     | 0.000063 %           |            |                |
| 35     | asbestos<br>650-013-00-6                           | -----                                                            | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
| Total: |                                                    |                                                                  |                                                                                                 |          |                   |              |                | 0.0131 %             |            |                |

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Key

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

### Classification of sample: THC

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

### Sample details

|                   |                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------|
| Sample name:      | LoW Code:                                                                                          |
| <b>THC</b>        | Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites) |
| Sample Depth:     | Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)                           |
| <b>0.25 m</b>     |                                                                                                    |
| Moisture content: |                                                                                                    |
| <b>14%</b>        |                                                                                                    |
| (no correction)   |                                                                                                    |

### Hazard properties

None identified

### Determinands

Moisture content: **14% No Moisture Correction applied (MC)**

| #  | Determinand                                                                                                                                                                            |                                |                                  | CLP Note | User entered data | Conv. Factor | Compound conc. |              | Classification value | MC Applied | Conc. Not Used |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------|----------|-------------------|--------------|----------------|--------------|----------------------|------------|----------------|
|    | EU CLP index number                                                                                                                                                                    | EC Number                      | CAS Number                       |          |                   |              |                |              |                      |            |                |
| 1  | arsenic { arsenic trioxide }                                                                                                                                                           |                                |                                  |          | 16 mg/kg          | 1.32         | 21.125 mg/kg   | 0.00211 %    |                      |            |                |
|    | 033-003-00-0                                                                                                                                                                           | 215-481-4                      | 1327-53-3                        |          |                   |              |                |              |                      |            |                |
| 2  | cadmium { cadmium sulfide }                                                                                                                                                            |                                |                                  | 1        | 0.19 mg/kg        | 1.285        | 0.244 mg/kg    | 0.000019 %   |                      |            |                |
|    | 048-010-00-4                                                                                                                                                                           | 215-147-8                      | 1306-23-6                        |          |                   |              |                |              |                      |            |                |
| 3  | chromium in chromium(III) compounds { chromium(III) oxide (worst case) }                                                                                                               |                                |                                  |          | 11 mg/kg          | 1.462        | 16.077 mg/kg   | 0.00161 %    |                      |            |                |
|    |                                                                                                                                                                                        | 215-160-9                      | 1308-38-9                        |          |                   |              |                |              |                      |            |                |
| 4  | chromium in chromium(VI) compounds { chromium(VI) oxide }                                                                                                                              |                                |                                  |          | <0.5 mg/kg        | 1.923        | <0.962 mg/kg   | <0.0000962 % |                      |            | <LOD           |
|    | 024-001-00-0                                                                                                                                                                           | 215-607-8                      | 1333-82-0                        |          |                   |              |                |              |                      |            |                |
| 5  | copper { dicopper oxide; copper (I) oxide }                                                                                                                                            |                                |                                  |          | 29 mg/kg          | 1.126        | 32.651 mg/kg   | 0.00327 %    |                      |            |                |
|    | 029-002-00-X                                                                                                                                                                           | 215-270-7                      | 1317-39-1                        |          |                   |              |                |              |                      |            |                |
| 6  | 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 } |                                |                                  |          | <0.5 mg/kg        | 1.884        | <0.942 mg/kg   | <0.0000942 % |                      |            | <LOD           |
|    | 006-007-00-5                                                                                                                                                                           |                                |                                  |          |                   |              |                |              |                      |            |                |
| 7  | lead { lead chromate }                                                                                                                                                                 |                                |                                  | 1        | 81 mg/kg          | 1.56         | 126.345 mg/kg  | 0.0081 %     |                      |            |                |
|    | 082-004-00-2                                                                                                                                                                           | 231-846-0                      | 7758-97-6                        |          |                   |              |                |              |                      |            |                |
| 8  | mercury { mercury dichloride }                                                                                                                                                         |                                |                                  |          | 0.15 mg/kg        | 1.353        | 0.203 mg/kg    | 0.0000203 %  |                      |            |                |
|    | 080-010-00-X                                                                                                                                                                           | 231-299-8                      | 7487-94-7                        |          |                   |              |                |              |                      |            |                |
| 9  | nickel { nickel dihydroxide }                                                                                                                                                          |                                |                                  |          | 13 mg/kg          | 1.579        | 20.533 mg/kg   | 0.00205 %    |                      |            |                |
|    | 028-008-00-X                                                                                                                                                                           | 235-008-5 [1]<br>234-348-1 [2] | 12054-48-7 [1]<br>11113-74-9 [2] |          |                   |              |                |              |                      |            |                |
| 10 | pH                                                                                                                                                                                     |                                |                                  |          | 8.3 pH            |              | 8.3 pH         | 8.3 pH       |                      |            |                |
|    |                                                                                                                                                                                        |                                |                                  |          |                   |              |                |              |                      |            |                |
| 11 | phenol                                                                                                                                                                                 |                                |                                  |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %   |                      |            | <LOD           |
|    | 604-001-00-2                                                                                                                                                                           | 203-632-7                      | 108-95-2                         |          |                   |              |                |              |                      |            |                |
| 12 | selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }                                                               |                                |                                  |          | 0.44 mg/kg        | 1.405        | 0.618 mg/kg    | 0.0000618 %  |                      |            |                |
|    | 034-002-00-8                                                                                                                                                                           |                                |                                  |          |                   |              |                |              |                      |            |                |
| 13 | zinc { zinc oxide }                                                                                                                                                                    |                                |                                  |          | 58 mg/kg          | 1.245        | 72.193 mg/kg   | 0.00722 %    |                      |            |                |
|    | 030-013-00-7                                                                                                                                                                           | 215-222-5                      | 1314-13-2                        |          |                   |              |                |              |                      |            |                |
| 14 | benzene                                                                                                                                                                                |                                |                                  |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 % |                      |            | <LOD           |
|    | 601-020-00-8                                                                                                                                                                           | 200-753-7                      | 71-43-2                          |          |                   |              |                |              |                      |            |                |

# WORMS EYE

## LIMITED

| #      | Determinand                        |                                                                  |                                                                                                 | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|--------|------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------|-------------------|--------------|----------------|----------------------|------------|----------------|
|        | EU CLP index number                | EC Number                                                        | CAS Number                                                                                      |          |                   |              |                |                      |            |                |
| 15     | toluene                            |                                                                  |                                                                                                 |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
|        | 601-021-00-3                       | 203-625-9                                                        | 108-88-3                                                                                        |          |                   |              |                |                      |            |                |
| 16     | ethylbenzene                       |                                                                  |                                                                                                 |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
|        | 601-023-00-4                       | 202-849-4                                                        | 100-41-4                                                                                        |          |                   |              |                |                      |            |                |
| 17     | xylene                             |                                                                  |                                                                                                 |          | <0.002 mg/kg      |              | <0.002 mg/kg   | <0.0000002 %         |            | <LOD           |
|        | 601-022-00-9                       | 202-422-2 [1]<br>203-396-5 [2]<br>203-576-3 [3]<br>215-535-7 [4] | 95-47-6 [1]<br>106-42-3 [2]<br>108-38-3 [3]<br>1330-20-7 [4]                                    |          |                   |              |                |                      |            |                |
| 18     | TPH (C6 to C40) petroleum group    |                                                                  |                                                                                                 |          | 440 mg/kg         |              | 440 mg/kg      | 0.044 %              |            |                |
|        |                                    |                                                                  | TPH                                                                                             |          |                   |              |                |                      |            |                |
| 19     | acenaphthene                       |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        |                                    | 201-469-6                                                        | 83-32-9                                                                                         |          |                   |              |                |                      |            |                |
| 20     | acenaphthylene                     |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        |                                    | 205-917-1                                                        | 208-96-8                                                                                        |          |                   |              |                |                      |            |                |
| 21     | anthracene                         |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        |                                    | 204-371-1                                                        | 120-12-7                                                                                        |          |                   |              |                |                      |            |                |
| 22     | benzo[a]anthracene                 |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        | 601-033-00-9                       | 200-280-6                                                        | 56-55-3                                                                                         |          |                   |              |                |                      |            |                |
| 23     | benzo[a]pyrene; benzo[def]chrysene |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        | 601-032-00-3                       | 200-028-5                                                        | 50-32-8                                                                                         |          |                   |              |                |                      |            |                |
| 24     | benzo[b]fluoranthene               |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        | 601-034-00-4                       | 205-911-9                                                        | 205-99-2                                                                                        |          |                   |              |                |                      |            |                |
| 25     | benzo[k]fluoranthene               |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        | 601-036-00-5                       | 205-916-6                                                        | 207-08-9                                                                                        |          |                   |              |                |                      |            |                |
| 26     | benzo[ghi]perylene                 |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        |                                    | 205-883-8                                                        | 191-24-2                                                                                        |          |                   |              |                |                      |            |                |
| 27     | chrysene                           |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        | 601-048-00-0                       | 205-923-4                                                        | 218-01-9                                                                                        |          |                   |              |                |                      |            |                |
| 28     | dibenz[a,h]anthracene              |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        | 601-041-00-2                       | 200-181-8                                                        | 53-70-3                                                                                         |          |                   |              |                |                      |            |                |
| 29     | fluoranthene                       |                                                                  |                                                                                                 |          | 0.47 mg/kg        |              | 0.47 mg/kg     | 0.000047 %           |            |                |
|        |                                    | 205-912-4                                                        | 206-44-0                                                                                        |          |                   |              |                |                      |            |                |
| 30     | fluorene                           |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        |                                    | 201-695-5                                                        | 86-73-7                                                                                         |          |                   |              |                |                      |            |                |
| 31     | indeno[123-cd]pyrene               |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        |                                    | 205-893-2                                                        | 193-39-5                                                                                        |          |                   |              |                |                      |            |                |
| 32     | naphthalene                        |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        | 601-052-00-2                       | 202-049-5                                                        | 91-20-3                                                                                         |          |                   |              |                |                      |            |                |
| 33     | phenanthrene                       |                                                                  |                                                                                                 |          | <0.1 mg/kg        |              | <0.1 mg/kg     | <0.00001 %           |            | <LOD           |
|        |                                    | 201-581-5                                                        | 85-01-8                                                                                         |          |                   |              |                |                      |            |                |
| 34     | pyrene                             |                                                                  |                                                                                                 |          | 0.73 mg/kg        |              | 0.73 mg/kg     | 0.000073 %           |            |                |
|        |                                    | 204-927-3                                                        | 129-00-0                                                                                        |          |                   |              |                |                      |            |                |
| 35     | asbestos                           |                                                                  |                                                                                                 |          | <0.001 mg/kg      |              | <0.001 mg/kg   | <0.0000001 %         |            | <LOD           |
|        | 650-013-00-6                       | -----                                                            | 12001-28-4<br>132207-32-0<br>12172-73-5<br>77536-66-4<br>77536-68-6<br>77536-67-5<br>12001-29-5 |          |                   |              |                |                      |            |                |
| Total: |                                    |                                                                  |                                                                                                 |          |                   |              |                | 0.0689 %             |            |                |

### Key

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.044%)

## Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

### ■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

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

Description/Comments:

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

Reason for additional Hazards Statement(s):

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

### ■ **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

### ■ **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

### ■ **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

### ■ **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

### ■ **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

### ■ **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

• **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

• **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

• **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

• **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

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic trioxide}

Worst case species based on hazard statements

### cadmium {cadmium sulfide}

Worst case species based on hazard statements

### 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}

Most likely common species

**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

### lead {lead chromate}

Worst case species based on hazard statements

### mercury {mercury dichloride}

Worst case species based on hazard statements

### nickel {nickel dihydroxide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

### zinc {zinc oxide}

Suspected

## Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**  
HazWasteOnline Classification Engine Version: 2022.146.5158.9719 (26 May 2022)  
HazWasteOnline Database: 2022.146.5158.9719 (26 May 2022)

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This classification utilises the following guidance and legislation:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2020 No. 1540 of 16th December 2020

**GB MCL List** - version 1.1 of 09 June 2021