Site:	Fairfield Road, Droylsden
Date:	28 th November 2023
LKC Ref.:	LKC 20 1761-D1



COVER SYSTEM EXCAVATION VALIDATION REPORT

1 INTRODUCTION

LK Consult Ltd (LKC) has been commissioned by J Greenwood (Builders) Ltd to provide a Validation Report for the excavation of cover systems at the Fairfield Road, Droylsden residential development site. The site location, boundary and proposed development are shown on Figures 1, 2 and 3 respectively.

The following reports have been undertaken for the site:

- Final Phase 2 Geo-Environmental Investigation, Risk Assessment and Remediation Strategy, undertaken by LKC (Ref: LKC 19 1024-02 R3, dated March 2022).
- Additional Phase 2 Geo-Environmental Investigation, Risk Assessment and Remediation Strategy, undertaken by LKC (Ref: LKC 20 1761-01 R1, dated March 2022).
- Additional Risk Assessment and Updated Remediation Strategy Report, undertaken by LKC (Ref. LKC 20 1761-B1, dated 24th August 2023).

As recommended in the Phase 2 Site Investigation reports, an environmental cover system comprising 600mm clean inert fill over geotextile membrane in rear gardens and 300mm clean inert fill over geotextile membrane in front gardens and areas of soft landscaping was installed at the site.

LKC was informed by the previous contractors at the site that first generation quarried material was laid beneath the topsoil in Plots 45-48 and the rear gardens of Plots 49-60. LKC did not receive any source information for the material used and testing was therefore undertaken, which is detailed in Section 2.

The subsoil laid in Plots 45-48, the rear gardens of Plots 49-60, front gardens of Plots 51-53 and the area of shared soft landscaping adjacent to the rear garden of Plot 48 were found to contain elevated contaminants and LKC requested that the material is removed. The purpose of this Validation Report is to provide photographic evidence that the material has been excavated from the gardens and to provide Waste Transfer Notes to prove that the material was removed from site.

2 TESTING OF MATERIAL USED IN COVER SYSTEMS

LKC attended site on 5th August 2022 to collect samples of the subsoil in Plots 45-48. LKC attended site on 7th July 2023 and 21st July 2023 to collect samples of the subsoil in Plots 49-60. LKC attended site on 27th September 2023 to collect samples of the subsoil in the area of shared soft landscaping adjacent to the rear garden of Plot 48.

Soil samples of approximately 500g were recovered in amber jars and plastic tubs. All the samples were labelled and stored in cool boxes prior to being collected by courier at the end of the day for delivery to the DETS laboratory in Maidstone for chemical testing. If collection was not possible the same day then samples were stored in the sample storage fridge at the

LK Group offices below 4°C. Samples were tracked using appropriate Chain of Custody forms provided by DETS.

All of the contamination tests are MCERTS accredited and further details are given in the Certificate of Analysis presented in Appendix A. The testing undertaken is summarised in Table 2-1 below. The plot locations are shown on Figure 3.

Contaminants	No. Samples	Location	Justification
Metals / metalloids, pH,	14	Plot 51 Front SS	Basic suite undertaken on subsoil in a
water soluble sulphate,		Plot 52 Front SS	selection of front gardens of Plots 49-
speciated PAHs, SOM		Plot 53 Front SS	60 and the rear gardens of Plots 45-48.
and asbestos screen.		Plot 60 Front SS	Plots 54-60 front gardens comprised
		Plot 55 Front TS	predominantly topsoil therefore basic
		Plot 56 Front TS	suite tested on Plots 55-59 topsoil.
		Plot 57 Front TS	Basic suite also undertaken on 2no.
		Plot 59 Front TS	samples from the area of shared soft
		Plot 45 SS1	landscaping adjacent to the rear garden
		Plot 46 SS2	of Plot 48 (SS201-SS202).
		Plot 47 SS2	
		Plot 48 SS1	
		SS201	
		SS202	
Metals / metalloids, pH,	13	SS101 (P49 rear)	Detailed suite undertaken on subsoil in
sulphate, cyanide suite,		SS102 (P50 front)	Plots 45-48 rear gardens and on
TPHCWG, BTEX, MTBE, speciated		SS103 (P51 rear)	subsoil in a selection of rear / front
PAHs, phenol, and		SS105 (P55 rear)	gardens in Plots 49-60.
hardness.		SS106 (P56 rear)	
		SS107 (P58 rear)	
		SS108 (P54 front)	
		SS109 (P58 front)	
		SS115 (P60 rear)	
		Plot 45 SS2	
		Plot 46 SS1	
		Plot 47 SS1	
Table 2.4. Summary of asi		Plot 48 SS2	

Table 2-1. Summary of soil sample testing undertaken.

Notes: If asbestos present during screen identification and quantification will be undertaken.

Metal/metalloids=arsenic, cadmium, chromium, (total and hexavalent), copper, lead, mercury, nickel, selenium, vanadium, zinc, and boron; TPHCWG=carbon banded and aromatic/aliphatic split petroleum hydrocarbons; PAH=polycyclic aromatic hydrocarbons, BTEX=benzene, toluene, ethylbenzene, and xylenes; MTBE=Methyl tert-butyl ether, SOM=Soil Organic Matter.

It should be noted that the rear gardens of Plots 52, 53 and 54 are flagged and no tested was undertaken in these plots.

When compared to residential with plant uptake criteria, elevated contaminants were identified in the subsoil tested from Plots 45-48, the subsoil in the rear gardens of Plots 49-60 (excluding Plots 52, 53 and 54 which are flagged), the front gardens of Plots 51-53 and the area of shared soft landscaping adjacent to the rear garden of Plot 48. LKC advised that the material (subsoil and topsoil) was excavated out and removed from site. The front gardens of Plots 49-50 and 54-60 comprised predominantly topsoil and did not contain any elevated contaminants, LKC advised that the material in these plots can remain in place. The certificates of analysis are presented on Appendix A and relevant assessment criteria is included in Appendix B.

3 EXCAVATION OF COVER SYSTEMS

The cover system soils in Plots 45-48 front and rear gardens, Plots 49-60 rear gardens (excluding Plot 52, 53 and 54) and Plots 51-53 front gardens were excavated between August 2023 and October 2023. The cover system soils in the area of shared soft landscaping adjacent to the rear garden of Plot 48 were excavated in November 2023. LKC attended site on several occasions to supervise the excavation of cover system soils and to ensure the material was stockpiled on Visqueen away from any other areas of soft landscaping. The soils were excavated down to the geotextile membrane, stockpiled on Visqueen in an area of hardstanding in the east of the site and removed from site. Photographs of the excavations are provided in Appendix C, and Waste Transfer Notes are provided in Appendix D.

4 SUMMARY CONCLUSIONS

The cover system soils in Plots 45-48 front and rear gardens, Plots 49-60 rear gardens (excluding Plot 52, 53 and 54), Plots 51-53 front gardens the area of shared soft landscaping adjacent to the rear garden of Plot 48 which contained elevated contaminants were excavated and stockpiled on site. LKC attended site on several occasions to supervise the excavation of cover system soils and to ensure the material was stockpiled on Visqueen away from any other areas of soft landscaping. LKC did not observe any other unexpected contamination during the excavation of the cover system soils.

Report prepared by:

Report checked by:

Ella Mcleod Geo-Environmental Consultant Catherine Baranek Associate Director

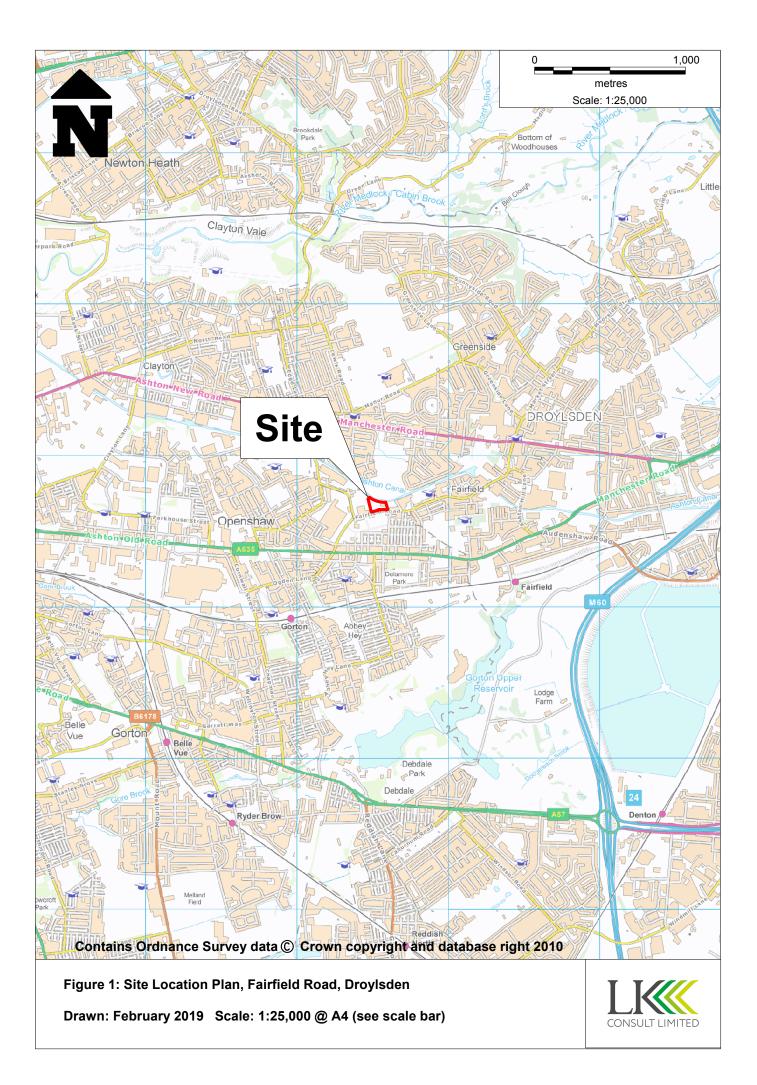
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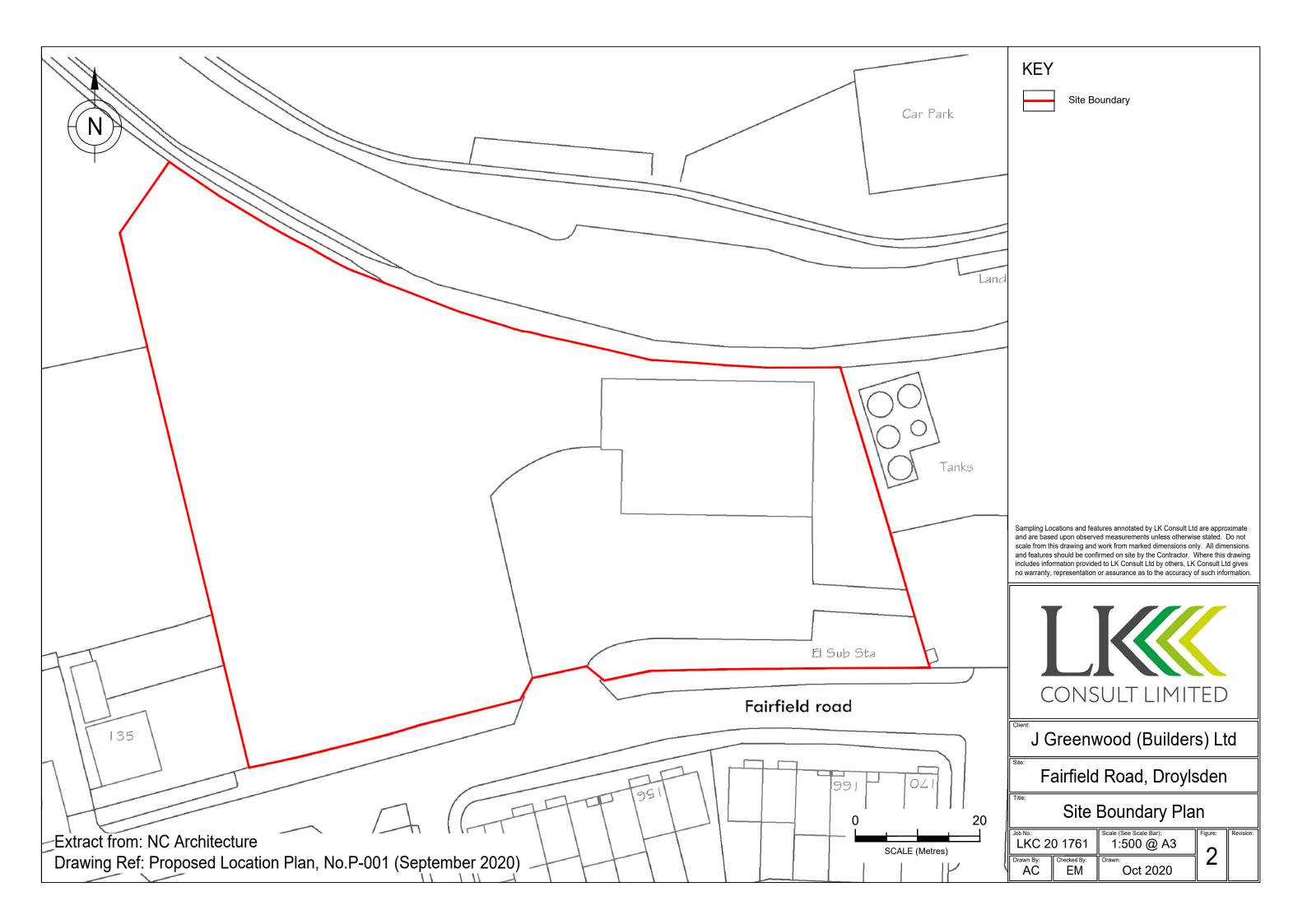
Figures Appendix A: Certificates of Analysis Appendix B: Generic Assessment Criteria Appendix C: Photographs of Excavations Appendix D: Waste Transfer Notes

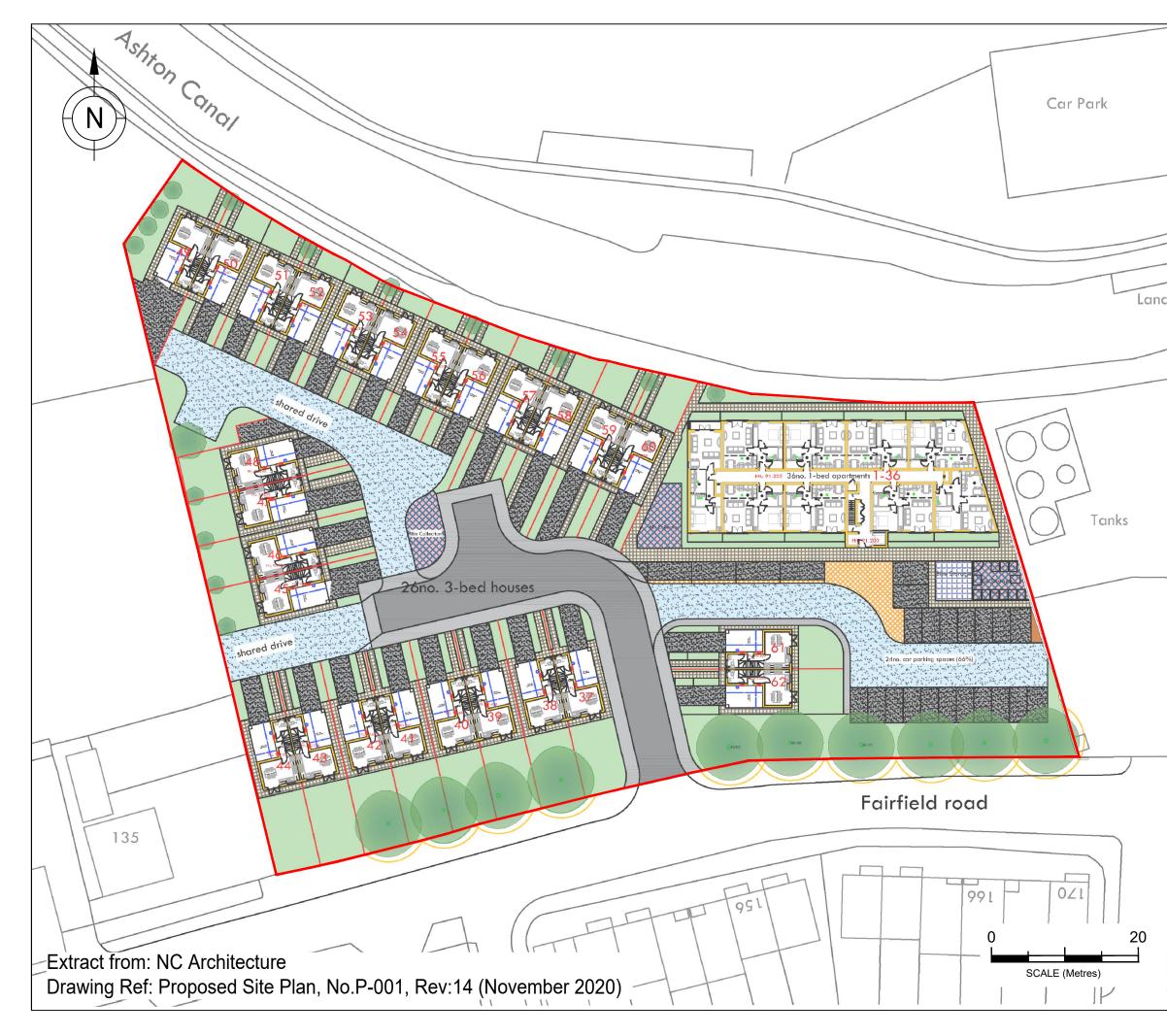
Disclaimer

This report has been prepared by LKC who have exercised such professional skill, care and diligence as may reasonably be expected of a properly qualified and competent consultant experienced in preparing reports of a similar scope. However, to the extent that the report is based on or relies upon information contained in records, reports or other materials provided to LKC which have not been independently produced or verified, LKC gives no warranty, representation or assurance as to the accuracy or completeness of such information. This report is issued on the condition that LKC will not be held liable for any loss arising from ground conditions between sampling points (i.e. boreholes/trial pits/hand augers/surface samples) which have not been shown by the sampling points or related testing carried out during the investigation, nor for any loss arising from conditions below the maximum depth of the investigation, or for any works done to the garden areas following the date of inspection. Opinions on such conditions, where given, are for general guidance only. This report is prepared solely for the benefit of J Greenwood (Builders) Ltd. It may not be relied upon by, or submitted to a third party for their reliance for the purposes of valuation, mortgage, insurance and regulatory approval, until all invoices have been settled in full. Those using this information in subsequent assessments or evaluations do so at their own risk.

Figures







KEY

Site Boundary

Accommodation Schedule

1-bed, 2-person apartments over 4 storey: 36no. apartments @ 50sqm

3-bed, 5/6-person houses over 3 storeys: 26no. semi-detached houses @ 105sqm (excluding undercroft hardstanding)

<u>Total Units: 62no</u>

Sampling Locations and features annotated by LK Consult Ltd are approximate and are based upon observed measurements unless otherwise stated. Do not scale from this drawing and work from marked dimensions only. All dimensions and features should be confirmed on site by the Contractor. Where this drawing includes information provided to LK Consult Ltd by others, LK Consult Ltd gives no warrantly, representation or assurance as to the accuracy of such information.



J Greenwood (Builders) Ltd

Fairfield Road, Droylsden

Proposed Development Plan

Job No.: LKC 2	0 1761	Scale (See Scale Bar): 1:500 @ A3
Drawn By: AC	Checked By: EM	Jul 2023

gure: Revision:

Appendix A – Certificates of Analysis



Ella Mcleod LK Consult Limited Unit 29 Eton Business Park Eton Hill Road Manchester M26 2ZS



Derwentside Environmental Testing Services Ltd Unit 1 Rose Lane Industrial Estate Rose Lane Lenham Heath Kent ME17 2JN t: 01622 850410

DETS Report No: 23-12195

Site Reference:	Fairfield Road, Drovlsden
Project / Job Ref:	LKC 20 1761
Order No:	LKC201761-EM
Sample Receipt Date:	29/09/2023
Sample Scheduled Date:	29/09/2023
Report Issue Number:	1
Reporting Date:	06/10/2023

Authorised by:

Dave Ashworth Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.





Soil Analysis Certificate					
DETS Report No: 23-12195	Date Sampled	27/09/23	27/09/23		
LK Consult Limited	Time Sampled	None Supplied	None Supplied		
Site Reference: Fairfield Road, Droylsden	TP / BH No	SS201	SS202		
Project / Job Ref: LKC 20 1761	Additional Refs	None Supplied	None Supplied		
Order No: LKC201761-EM	Depth (m)	None Supplied	None Supplied		
Reporting Date: 06/10/2023	DETS Sample No	677579	677580		

Determinand	Unit	RL	Accreditation		(n)		
				Detected			
Asbestos Screen (S)	N/a	N/a	ISO17025	Detected	Not Detected		
				Chrysotile			
Sample Matrix ^(S)	Material Type	N/a	NONE	present as			
Sample Hadrix	r laceriar rype	14/0		bundles			
Asbestos Type ^(S)	PLM Result	N/a	ISO17025	Chrysotile			
Asbestos Quantification (S)	%	< 0.001	IS017025	< 0.001			
pH	pH Units	N/a	MCERTS	7.7	7.9		
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	21	94		
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.02	0.09		
Organic Matter (SOM)	%	< 0.1	MCERTS	3.2	2.6		
Arsenic (As)	mg/kg	< 2	MCERTS	8	23		
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	2.4		
Chromium (Cr)	mg/kg	< 2	MCERTS	24	17		
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2		
Copper (Cu)	mg/kg	< 4	MCERTS	22	609		
Lead (Pb)	mg/kg	< 3	MCERTS	50	849		
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1		
Nickel (Ni)	mg/kg	< 3	MCERTS	22	20		
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2		
Vanadium (V)	mg/kg	< 1	MCERTS	26	16		
Zinc (Zn)	mg/kg	< 3	MCERTS	62	790		

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion Subcontracted analysis (S)

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation





Soil Analysis Certificate	- Speciated PAHs					
DETS Report No: 23-1219	95		Date Sampled	27/09/23	27/09/23	
LK Consult Limited			Time Sampled	None Supplied	None Supplied	
Site Reference: Fairfield	Road, Droylsden		TP / BH No	SS201	SS202	
Project / Job Ref: LKC 20	1761		Additional Refs			
Order No: LKC201761-EM		,	Depth (m)	None Supplied	None Supplied	
Reporting Date: 06/10/2		DI	ETS Sample No	None Supplied 677579	None Supplied 677580	
Reporting Date: 06/10/2	023	D	IS Sample No	677579	677580	
Determinand	Unit	DI	Accreditation		(-)	
				. 0.1	(n)	
Naphthalene	5, 5	< 0.1		< 0.1	< 0.1	
Acenaphthylene			MCERTS	< 0.1	< 0.1	
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Phenanthrene	5, 5	< 0.1	MCERTS	< 0.1	0.55	
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.12	
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.85	
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.89	
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	0.44	
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	0.43	
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.46	
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.13	
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.41	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.19	
Dibenz(a,h)anthracene		< 0.1	MCERTS	< 0.1	< 0.1	
Benzo(ghi)perylene		< 0.1	MCERTS	< 0.1	0.21	
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	4.7	

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation





Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 23-12195	
LK Consult Limited	
Site Reference: Fairfield Road, Droylsden	
Project / Job Ref: LKC 20 1761	
Order No: LKC201761-EM	
Reporting Date: 06/10/2023	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
677579	SS201	None Supplied	None Supplied	21.5	Brown sandy clay with stones
677580	SS202	None Supplied	None Supplied	9.4	Brown sandy gravel with stones and brick

Moisture content is part of procedure E003 & is not an accredited test Insufficient Sample $^{\rm VS}$ Unsuitable Sample $^{\rm VS}$

Page 4 of 6





oil Analysis Certificate - Methodology & Miscellaneous Information	
ETS Report No: 23-12195	
(Consult Limited	
te Reference: Fairfield Road, Droylsden	
roject / Job Ref: LKC 20 1761	
rder No: LKC201761-EM	
eporting Date: 06/10/2023	

Sol D Boron - Ward Soluble Determination of Yatter soluble toorn in sol tw 21 that water control followed by ICP-OES E031 Sol D Chinotie - Water Soluble Determination of Text by handpace Co-OS E031 Sol D Chinotie - Water Soluble Determination of Text by autor racial disaction filewed by ICP-OES E032 Sol AR Chinomum - Revealent 1, 15 disher/neutration for the control water by autor racial disaction for the control water by autor racial water by autor racial disaction for the control water by autor racial water by autor racial disaction for the control water by autor racial wateracial water by autor racial waterawaterawater by a	Matrix	Analysed	Determinand	Brief Method Description	Method
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SoilDSulphate (as SO4) - TotalDetermination of total sulphate by extraction with 10% HCI followed by ICP-OESE013SoilDSulphate (as SO4) - Water Soluble (2:1)Determination of sulphate by extraction with water & analysed by ion chromatographyE009SoilARSulphate (as SO4) - Water Soluble (2:1)Determination of water soluble sulphate by extraction with water & analysed by ion chromatographyE003SoilARSulphate (as SO4) - Water Soluble (2:1)Determination of water soluble sulphate by extraction with water & analysed by ion chromatographyE004SoilARSulphate (as SO4) - Water Soluble (2:1)Determination of sulphide by distillation followed by colorimetryE013SoilDSulphate (as SO4) - Water Soluble (2:1)Determination of sulphide organic compounds by extraction in acetone and hexane followed byE004SoilARThiocyanate (as SO4)Determination of funcyanate by extraction in caustic soda followed by acidification followed byE017SoilDToluene Extractable Matter (TEM)Gravimetrically determined through extraction with tolueneE011SoilDTotal Organic Carbon (TOC)Determination of organic matter by oxidising with potassium dichromate followed by titration with ion (11) sulphateE010SoilDTPH CWG (ali: C5 - C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C33, C3 + C4 & C3 + C3 + C3 + C4 & C3 + C3 + C4 & C3 + C3 + C4 & C3 +	Soil	D			E009
SoilDSulphate (as SO4) - Water Soluble (2:1)Determination of water soluble sulphate by extraction with water followed by ICP-OESE014SoilARSulphur - TotalDetermination of sulphide by distillation followed by colorimetryE013SoilARChock - SolubConstant - SolubE004SoilARChock - SolubDetermination of sulphide by distillation followed by colorimetryE006SoilARChock - SolubDetermination of semi-volatile organic compounds by extraction in acetone and hexane followed by addition of ferric nitrate followed by colorimetryE017SoilDTotal organic Carbon (TOC)Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphateE010SoilDTotal Organic Carbon (TOC)Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, C12-C16, C16-C21, C21-C35,Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35,E004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C12-C16, C16-C21, C21-C36, C3-C5-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C3-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C3-C44, C12-C16, C1	Soil	D			E013
SoilARMRSulphideDetermination of sulphide by distillation followed by colorimetryE018SoilDSulphur - TotalDetermination of total sulphur by extraction with aqua-regia followed by ICP-OESE024SoilARCOCOSDetermination of semi-volatile organic compounds by extraction in acetone and hexane followed by addition of ferri- nitrate followed by colorimetryE006SoilARThiocyanate (as SCN)Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferri- nitrate followed by colorimetryE017SoilDToluene Extractable Matter (TEM)Gravimetrically determined through extraction with tolueneE011SoilDTotal Organic Carbon (TCO)Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphateE010SoilARTPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro	Soil	D			E009
SoilDSulphur - TotalDetermination of total sulphur by extraction with aqua-regia followed by ICP-OESE024SoilARSVOCDetermination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MSE006SoilARThiocyanate (as SCN)Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetryE017SoilDToluene Extractable Matter (TEM)Gravimetrically determination of organic matter by oxidising with potassium dichromate followed by titration with to n (II) sulphateE011SoilDTotal Organic Carbon (TOC)Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE arridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44,Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARVPH LQM (ali: C5-C6, C6-C8, C8-C10, C12-C16, C16-C21, C21-C35, C35-C44, cartridge for C8 to C44. C5 to C8	Soil				
SoilARSWCDetermination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MSE006SoilARThiocyanate (as SCN)Determination of thiccyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetryE017SoilDToluene Extractable Matter (TEM)Gravimetrically determined through extraction with tolueneE011SoilDTotal Organic Carbon (TOC)Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphateE010SoilARTPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, SoilDetermination of volatile organic compounds by headspace GC-MSE001SoilARVPH (C6-C8 & C8-C10) VPH (C6-C8 & C8-C10)Determination of hydrocarbons C6-C8 by headspace GC-MSE001					
SoilARSVOCGC-MSE000SoilARThiocyanate (as SCN)Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetryE017SoilDToluene Extractable Matter (TEM) Total Organic Carbon (TOC)Determination of thiocyanate by extraction with tolueneE011SoilDTotal Organic Carbon (TOC) C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE arridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44,Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE arridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C12-C16, C16-C21, C21-C35, C35-C44, arridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARVPH (C6-C8 & C8-C10) VPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FIDE001	Soil	D	Sulphur - Total		E024
SoilARThioCyanate (as SCN) addition of ferric nitrate followed by colorimetry addition of ferric nitrate followed by colorimetryED17SoilDToluene Extractable Matter (TEM) Gravimetrically determined through extraction with tolueneE011SoilDTotal Organic Carbon (TOC) C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, cartridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, cartridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C12-C16, C16-C21, C21-C35, C12-C16, C16-C21, C21-C35,Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, cartridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARVPH (C6-C8 & C8-C10) VCH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FIDE001	Soil	AR	SVOC	GC-MS	E006
SoilDTotal Organic Carbon (TCC)Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphateE010SoilARTPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, arridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C10-C12, cartridge for C8 to C44. C5 to C8 by headspace GC-MSE001SoilARVPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MSE001			, , ,	addition of ferric nitrate followed by colorimetry	
SoilDTotal Organic Carbon (TOC) iron (II) sulphateED10SoilARTPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, betermination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MSE004SoilARVPH (C6-C8 & C8-C10) VOCsDetermination of hydrocarbons C6-C8 by headspace GC-MSE001	Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
SoilARC10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE artridge for C8 to C35. C5 to C8 by headspace GC-MSE004SoilARTPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, C12-C16, C16-C21, C21-C35, C35-C44, Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44, Determination of hydrocarbons by headspace GC-MSE004SoilARVVPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FIDE001	Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with	E010
Soil AR C10-C12, C12-C16, C16-C35, C35-C44, Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE arrow critical cartridge for C8 to C44. C5 to C8 by headspace GC-MS E004 Soil AR VOCs Determination of volatile organic compounds by headspace GC-MS E001 Soil AR VPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID E001	Soil	AR	C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12,	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	E004
Soil AR VPH (C6-C8 & C8-C10) Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID E001			C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	cartridge for C8 to C44. C5 to C8 by headspace GC-MS	
			VOCs	Determination of volatile organic compounds by headspace GC-MS	
D Dried			VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried AR As Received





List of HWOL Acronyms and Operators
DETS Report No: 23-12195
LK Consult Limited
Site Reference: Fairfield Road, Droylsden
Project / Job Ref: LKC 20 1761
Order No: LKC201761-EM
Reporting Date: 06/10/2023

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym



Ella Mcleod LK Consult Limited Unit 29 Eton Business Park Eton Hill Road Manchester M26 2ZS



Derwentside Environmental Testing Services Ltd Unit 1 Rose Lane Industrial Estate Rose Lane Lenham Heath Kent

ME17 2JN **t:** 01622 850410

DETS Report No: 23-09647

Site Reference:	Fairfield Road, Drovlsden
Project / Job Ref:	LKC 20 1761
Order No:	LKC201761-D1
Sample Receipt Date:	25/07/2023
Sample Scheduled Date:	25/07/2023
Report Issue Number:	2
Reporting Date:	09/08/2023

Authorised by:

Dave Ashworth Technical Manager

Dates of laboratory activities for each tested analyte are available upon request. This report supersedes 23-09647, issue no.1.

Reason for Re-Issue:

Sample Id' amended

Opinions and interpretations are outside the laboratory's scope or 15O 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.





Soil Analysis Certificate								
DETS Report No: 23-09647			Date Sampled	21/07/23	21/07/23	21/07/23	21/07/23	
LK Consult Limited			Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	
Site Reference: Fairfield Road, Dro	ylsden		TP / BH No	Plot 55 Front TS	Plot 56 Front TS	Plot 57 Front TS	Plot 59 Front TS	
Project / Job Ref: LKC 20 1761		4	Additional Refs	None Supplied				
Order No: LKC201761-D1			Depth (m)	None Supplied			None Supplied	
Reporting Date: 09/08/2023		D	ETS Sample No	665896	665897	665898	665899	
Determinand			Accreditation					
Asbestos Screen (S)	N/a			Not Detected			Not Detected	
pH	pH Units	1 -		8.4	8.3	8.2	8.1	
W/S Sulphate as SO_4 (2:1)		< 10		34	35	18	44	
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.03	0.04	0.02	0.04	
Organic Matter (SOM)	%	< 0.1	MCERTS	4.1	3.9	4.7	4.4	
Arsenic (As)	mg/kg	< 2	MCERTS	8	9	9	7	
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2	0.2	< 0.2	
Chromium (Cr)	mg/kg	< 2	MCERTS	19	19	21	23	
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	
Copper (Cu)	mg/kg	< 4	MCERTS	53	23	26	18	
Lead (Pb)	mg/kg	< 3	MCERTS	109	84	69	45	
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	
Nickel (Ni)	mg/kg	< 3	MCERTS	14		15	18	
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
Vanadium (V)	mg/kg	< 1	MCERTS	24	27	27	27	
Zinc (Zn)	ma/ka	< 3	MCERTS	75	63	88	66	

 Zinc (Zn)
 mg/kg
 < 3</th>
 MCERTS
 75
 63
 88
 66

 Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion Subcontracted analysis (S)
 75
 63
 88
 66





Soil Analysis Certificate - Speciated PAHs									
DETS Report No: 23-0964	47		Date Sampled	21/07/23	21/07/23	21/07/23	21/07/23		
LK Consult Limited	LK Consult Limited		Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied		
Site Reference: Fairfield	Road, Droylsden		TP / BH No	Plot 55 Front TS	Plot 56 Front TS	Plot 57 Front TS	Plot 59 Front TS		
Project / Job Ref: LKC 20			Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied		
Order No: LKC201761-D1			Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied		
Reporting Date: 09/08/2	023	D	ETS Sample No	665896	665897	665898	665899		
Determiner d	11-14		A						
Determinand		RL		. 0.1	. 0.1	. 0.1	. 0.1		
Naphthalene	3, 3	< 0.1	MCERTS MCERTS	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1 < 0.1	< 0.1 < 0.1		
Acenaphthylene				-	-		-		
Acenaphthene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Fluorene			MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Phenanthrene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	0.24		
Anthracene			MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Fluoranthene	mg/kg	< 0.1	MCERTS	0.26	0.27	0.26	0.24		
Pyrene	3, 3		MCERTS	0.22	0.25	0.25	0.20		
Benzo(a)anthracene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Chrysene		< 0.1	MCERTS	0.14	0.15	0.15	< 0.1		
Benzo(b)fluoranthene			MCERTS	0.14	0.14	0.14	< 0.1		
Benzo(k)fluoranthene			MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Benzo(a)pyrene			MCERTS	< 0.1	0.12	< 0.1	< 0.1		
Indeno(1,2,3-cd)pyrene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Dibenz(a,h)anthracene			MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Benzo(ghi)perylene			MCERTS	< 0.1	< 0.1	< 0.1	< 0.1		
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	< 1.6		





Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 23-09647	
LK Consult Limited	
Site Reference: Fairfield Road, Droylsden	
Project / Job Ref: LKC 20 1761	
Order No: LKC201761-D1	
Reporting Date: 09/08/2023	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
665896	Plot 55 Front TS	None Supplied	None Supplied	14.9	Brown sandy clay with stones and vegetation
665897	Plot 56 Front TS	None Supplied	None Supplied	15.4	Brown sandy clay with stones and vegetation
665898	Plot 57 Front TS	None Supplied	None Supplied	19.6	Brown sandy clay with stones and vegetation
665899	Plot 59 Front TS	None Supplied	None Supplied	20.8	Brown sandy clay with stones and vegetation

Moisture content is part of procedure E003 & is not an accredited test Insufficient Sample $^{\rm VS}$ Unsuitable Sample $^{\rm U/S}$

Page 4 of 6





Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-09647
LK Consult Limited
Site Reference: Fairfield Road, Droylsden
Project / Job Ref: LKC 20 1761
Order No: LKC201761-D1
Reporting Date: 09/08/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR		Determination of BTEX by headspace GC-MS	E001
Soil	D		Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of	E016
			1,5 diphenylcarbazide followed by colorimetry	
Soil	AR		Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR		Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR		Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D		Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by	E022
			electrometric measurement	
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D		Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
	AR			E020 E004
Soil Soil	AR		Determination of acetone/hexane extractable hydrocarbons by GC-FID Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004 E004
3011	AK		Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by	E004
Soil	AR	C12-C16, C16-C21, C21-C40)		E004
Soil	D	Eluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (EOC)	Determination of TOC by combustion analyser.	E003
Soil	D		Determination of TOC by combustion analyser.	E027 E027
Soil	D		Determination of TOC by combustion analyser.	E027 E027
Soil	AR		Determination of ammonium by discrete analyser.	E027 E029
3011		Exchangeable Ammonium	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by	E029
Soil	D	FOC (Fraction Organic Carbon)		E010
			titration with iron (II) sulphate Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle	┫────┤
Soil	D	Loss on Ignition @ 450oC		E019
Soil	D	Magnosium - Water Soluble	furnace Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
	D		Determination of metals by aqua-regia digestion followed by ICP-OES	E025 E002
Soil	D		Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	EUUZ
Soil	AR	Mineral Oil (C10 - C40)	cartridge	E004
Soil	AR	Moisture Content		E003
Soil	D		Determination of nitrate by extraction with water & analysed by ion chromatography	E003
			Determination of organic matter by oxidising with potassium dichromate followed by titration with	
Soil	D	Organic Matter	iron (II) sulphate	E010
			Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the	
Soil	AR	PAH - Speciated (EPA 16)	use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D		Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR		Determination of pH by addition of water followed by electrometric measurement	E011
Soil	AR		Determination of phenols by distillation followed by colorimetry	E021
Soil	D		Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D		Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D		Determination of sulphate by extraction with water & analysed by ion chromatography	E015
Soil	D		Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR		Determination of sulphide by distillation followed by colorimetry	E011
Soil	D		Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E010
			Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by	
Soil	AR	SVOC	GC-MS	E006
<u> </u>	45		Determination of thiocyanate by extraction in caustic soda followed by acidification followed by	5015
Soil	AR	Thiocyanate (as SCN)	addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TFM)	Gravimetrically determined through extraction with toluene	E011
			Determination of organic matter by oxidising with potassium dichromate followed by titration with	
Soil	D	Total Organic Carbon (TOC)	iron (II) sulphate	E010
		TPH CWG (ali: C5- C6, C6-C8, C8-C10,		1
			Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	
Soil	AR	aro: C5-C7, C7-C8, C8-C10, C10-C12,		E004
		C12-C16, C16-C21, C21-C35)		1
	t i			1
		TPH LQM (ali: C5-C6, C6-C8, C8-C10,		
Soil	AR		Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	E004
001	7.0.5	aro: C5-C7, C7-C8, C8-C10, C10-C12,	cartridge for C8 to C44. C5 to C8 by headspace GC-MS	2001
		C12-C16, C16-C21, C21-C35, C35-C44)		
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
			Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001
Soil	AR			

D Dried AR As Received





List of HWOL Acronyms and Operators DETS Report No: 23-09647 LK Consult Limited Site Reference: Fairfield Road, Droylsden Project / Job Ref: LKC 20 1761 Order No: LKC201761-D1 Reporting Date: 09/08/2023

Acronym	Description
ĤS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym



Ella Mcleod LK Consult Limited Unit 29 Eton Business Park Eton Hill Road Manchester M26 2ZS



Derwentside Environmental Testing Services Ltd Unit 1 Rose Lane Industrial Estate Rose Lane Lenham Heath Kent

ME17 2JN **t:** 01622 850410

DETS Report No: 23-09604

Site Reference:	Fairfield Road, Drovlsden
Project / Job Ref:	LKC 20 1761
Order No:	LKC201761-EM
Sample Receipt Date:	24/07/2023
Sample Scheduled Date:	24/07/2023
Report Issue Number:	2
Reporting Date:	09/08/2023

Authorised by:

Dave Ashworth Technical Manager

Dates of laboratory activities for each tested analyte are available upon request. This report supersedes 23-09604, issue no.1.

Reason for Re-Issue:

Sample Id' amended

Opinions and interpretations are outside the laboratory's scope of 15O 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.





Soil Analysis Certificate						
DETS Report No: 23-09604	Date Sampled	21/07/23	21/07/23	21/07/23	21/07/23	
LK Consult Limited	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	
Site Reference: Fairfield Road, Droylsden	TP / BH No	Plot 51 Front SS	Plot 52 Front SS	Plot 53 Front SS	Plot 60 Front SS	
Project / Job Ref: LKC 20 1761	Additional Refs	ES	ES	ES	ES	
Order No: LKC201761-EM	Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	
Reporting Date: 09/08/2023	DETS Sample No	665636	665637	665638	665639	

Determinand	Unit	DI	Accreditation					
Asbestos Screen (S)	N/a	N/a	IS017025	Detected	Detected	Not Detected	Not Detected	
C (S)	Matavial Truca	N1/-	NONE	Bundles of	Bundles of			
Sample Matrix ^(S)	Material Type	N/a	NONE	Chrvsotile fibres	Chrvsotile fibres			
Asbestos Type ^(S)	PLM Result	N/a	ISO17025	Chrysotile	Chrysotile			
Asbestos Quantification (S)	%	< 0.001	ISO17025	0.002	0.001			
pH	pH Units	N/a	MCERTS	7.9	7.9	7.8	7.3	
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	69	24	51	194	
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.07	0.02	0.05	0.19	
Organic Matter (SOM)	%	< 0.1	MCERTS	2.3	3.8	3.5	4.8	
Arsenic (As)	mg/kg	< 2	MCERTS	12	14	9	10	
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	1.6	1.9	0.9	0.2	
Chromium (Cr)	mg/kg	< 2	MCERTS	12	24	17	19	
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	
Copper (Cu)	mg/kg	< 4	MCERTS	295	354	118	31	
Lead (Pb)	mg/kg	< 3	MCERTS	670	637	386	65	
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	
Nickel (Ni)	mg/kg	< 3	MCERTS	14	21	15	13	
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	
Vanadium (V)	mg/kg	< 1	MCERTS	12	20	20	24	
Zinc (Zn)	mg/kg	< 3	MCERTS	543	637	216	67	

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion Subcontracted analysis (S)





Soil Analysis Certificate - Speciated PAHs											
DETS Report No: 23-0960	04		Date Sampled	21/07/23	21/07/23	21/07/23	21/07/23				
LK Consult Limited			Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied				
Site Reference: Fairfield	Road, Droylsden		TP / BH No	Plot 51 Front SS	Plot 52 Front SS	Plot 53 Front SS	Plot 60 Front SS				
Project / Job Ref: LKC 20			Additional Refs	ES	ES	ES	ES				
Order No: LKC201761-EM			Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied				
Reporting Date: 09/08/2	023	D	ETS Sample No	665636	665637	665638	665639				
Determinand	Unit	RL	Accreditation								
Naphthalene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1				
Acenaphthylene	5 15	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1				
		< 0.1	MCERTS	0.11	< 0.1	< 0.1	< 0.1				
Acenaphthene Fluorene	5, 5	< 0.1	MCERTS	< 0.11	< 0.1	< 0.1	< 0.1				
Phenanthrene		< 0.1	MCERTS	0.92	< 0.1	< 0.1	< 0.1				
Anthracene		< 0.1	MCERTS	0.92	< 0.1	< 0.1	< 0.1				
Fluoranthene		< 0.1	MCERTS	1.53	0.20	< 0.1	0.23				
Pvrene	5 15	-	MCERTS	1.33	0.20	< 0.1	0.23				
Benzo(a)anthracene	5 15	< 0.1	MCERTS	0.65	< 0.1	< 0.1	< 0.1				
Chrysene	5, 5	< 0.1	MCERTS	0.03	0.14	< 0.1	< 0.1				
Benzo(b)fluoranthene	5, 5	< 0.1	MCERTS	0.72	0.14	< 0.1	0.16				
Benzo(k)fluoranthene		< 0.1	MCERTS	0.22	< 0.1	< 0.1	< 0.1				
Benzo(a)pyrene		< 0.1	MCERTS	0.71	0.15	< 0.1	< 0.1				
Indeno(1,2,3-cd)pyrene		< 0.1	MCERTS	0.38	< 0.1	< 0.1	< 0.1				
Dibenz(a,h)anthracene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1				
Benzo(ghi)perylene			MCERTS	0.35	< 0.1	< 0.1	< 0.1				
Total EPA-16 PAHs				8	< 1.6	< 1.6	< 1.6				





Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 23-09604	
LK Consult Limited	
Site Reference: Fairfield Road, Droylsden	
Project / Job Ref: LKC 20 1761	
Order No: LKC201761-EM	
Reporting Date: 09/08/2023	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
665636	Plot 51 Front SS	ES	None Supplied	6.5	Brown sandy clay with stones and vegetation
665637	Plot 52 Front SS	ES	None Supplied	12.2	Brown sandy clay with stones and brick
665638	Plot 53 Front SS	ES	None Supplied	11.9	Brown sandy clay with stones and brick
665639	Plot 60 Front SS	ES	None Supplied	17.2	Brown sandy clay with stones

Moisture content is part of procedure E003 & is not an accredited test Insufficient Sample $^{\rm VS}$ Unsuitable Sample $^{\rm U/S}$

Page 4 of 6





Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-09604
LK Consult Limited
Site Reference: Fairfield Road, Droylsden
Project / Job Ref: LKC 20 1761
Order No: LKC201761-EM
Reporting Date: 09/08/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR		Determination of BTEX by headspace GC-MS	E001
Soil	D		Determination of cations in soil by agua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1.5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR		Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR		Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D		Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR		Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR		Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D		Determination of TOC by combustion analyser.	E027
Soil	D		Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D		Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR		Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D		Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR		Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR		Determination of phenols by distillation followed by colorimetry	E021
Soil	D		Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D		Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil Soil	D D		Determination of sulphate by extraction with water & analysed by ion chromatography Determination of water soluble sulphate by extraction with water followed by ICP-OES	E009 E014
Soil	AR		Determination of water soluble suphate by extraction with water followed by ICP-OES	E014 E018
Soil	D		Determination of total sulphur by extraction with agua-regia followed by ICP-OES	E018
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E021
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by	E017
Soil	D	Toluene Extractable Matter (TEM)	addition of ferric nitrate followed by colorimetry Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with	E011
		TPH CWG (ali: C5- C6, C6-C8, C8-C10,	iron (II) sulphate	
Soil	AR	C10-C12, C12-C16, C16-C21, C21-C34,	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	E004
		aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	cartridge for C8 to C35. C5 to C8 by headspace GC-MS	
		TPH LQM (ali: C5-C6, C6-C8, C8-C10,		
C-11	45		Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	E004
Soil	AR	aro: C5-C7, C7-C8, C8-C10, C10-C12,		E004
		C12-C16, C16-C21, C21-C35, C35-C44)	5 ···· · ··· · · · · · · · · · · · · ·	
Soil	AR		Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR		Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001
	Dried			

D Dried AR As Received





List of HWOL Acronyms and Operators DETS Report No: 23-09604 LK Consult Limited Site Reference: Fairfield Road, Droylsden Project / Job Ref: LKC 20 1761 Order No: LKC201761-EM Reporting Date: 09/08/2023

Acronym	Description
ĤS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total

Det - Acronym



Ella Mcleod LK Consult Limited Unit 29 Eton Business Park Eton Hill Road Manchester M26 2ZS



Derwentside Environmental Testing Services Ltd Unit 1 Rose Lane Industrial Estate Rose Lane Lenham Heath Kent

ME17 2JN **t:** 01622 850410

DETS Report No: 23-08982

Site Reference:	Fairfield Road, Drovlsden
Project / Job Ref:	LKC 20 1761
Order No:	LKC201761-D1
Sample Receipt Date:	11/07/2023
Sample Scheduled Date:	11/07/2023
Report Issue Number:	2
Reporting Date:	09/08/2023

Authorised by:

Dave Ashworth Technical Manager

Dates of laboratory activities for each tested analyte are available upon request. This report supersedes 23-08982, issue no.1.

Reason for Re-Issue:

Sample Id' amended

Opinions and interpretations are outside the laboratory's scope or 15O 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.





Soil Analysis Certificate												
DETS Report No: 23-08982			Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23				
LK Consult Limited		Time Sampled		None Supplied								
Site Reference: Fairfield Road, Drov	ylsden		TP / BH No	Plot 49 Rear	Plot 50 Front	Plot 51 Rear	Plot 55 Rear	Plot 56 Rear				
,				SS101	SS102	SS103	SS105	SS106				
			Additional Refs									
Project / Job Ref: LKC 20 1761 Order No: LKC201761-D1		P	Depth (m)	None Supplied								
Reporting Date: 09/08/2023		D	ETS Sample No	None Supplied 663050	None Supplied 663051	None Supplied 663052	None Supplied 663053	None Supplied 663054				
Reporting Date. 09/08/2025			LIS Sample No	003030	003031	003032	003033	003034				
Determinand	Unit	RL	Accreditation	(n)		(n)	(n)	(n)				
Asbestos Screen (S)	N/a	N/a	IS017025	Not Detected								
Sample Matrix ^(S)	Material Type	N/a	NONE									
Asbestos Type (S)	PLM Result	N/a	ISO17025									
Asbestos Quantification (S)	%	< 0.001	ISO17025									
pH	pH Units	N/a	MCERTS	7.9	7.9	7.7	8.1	8.8				
Total Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1				
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1				
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	107	17	58	50	194				
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.11	0.02	0.06	0.05	0.19				
Organic Matter (SOM)	%	< 0.1	MCERTS	4.3	4.2	5.8	8.5	3.6				
Arsenic (As)	mg/kg	< 2	MCERTS	7	8	8	3	10				
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1				
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.8	0.3	1	1.2	1.3				
Chromium (Cr)	mg/kg	< 2	MCERTS	9	23	8	6	12				
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2 95	< 2 27	< 2 297	< 2	< 2 140				
Copper (Cu)	mg/kg	< 4	MCERTS	95 163	61	297	26 67	382				
Lead (Pb)	mg/kg	< 3	MCERTS	163 < 1	61 < 1	-						
Mercury (Hg) Nickel (Ni)	mg/kg	< 1	MCERTS MCERTS	< 1	< 1 19	< 1 10	< 1	< 1 11				
Selenium (Se)	mg/kg	< 2	MCERTS	9 < 2	< 2	< 2	9 < 2	< 2				
	mg/kg mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2 13				
Vanadium (V) Zinc (Zn)	mg/kg mg/kg	< 1	MCERTS	11	73	274	77	272				
Total Phenols (monohydric)	mg/kg mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2				
rotal Frienois (monoriyuric)	шу/ку	< 2	NONE	< 2	< 2	< 2	< 2	< 2				

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion Subcontracted analysis (S)

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation





Soil Analysis Certificate												
DETS Report No: 23-08982			Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23				
LK Consult Limited			Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Site Reference: Fairfield Road, Drov	ylsden		TP / BH No	Plot 58 Rear	Plot 54 Front	Plot 58 Front	Plot 60 Rear	MG104				
,				SS107	SS108	SS109	SS115					
Project / Job Ref: LKC 20 1761 Order No: LKC201761-D1		F	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied				
Reporting Date: 09/08/2023			Depth (m) ETS Sample No	None Supplied 663055	None Supplied 663056	None Supplied 663057	None Supplied 663058	None Supplied				
Reporting Date: 09/08/2023			LIS Sample No	000000	003030	003057	003020	663059				
Determinand	Unit	RL	Accreditation	(n)			(n)	(n)				
Asbestos Screen ^(S)	N/a	N/a	IS017025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
Abbestos Sereen		, .										
Sample Matrix ^(S)	Material Type	N/a	NONE									
Asbestos Type ^(S)	PLM Result	N/a	ISO17025									
Asbestos Quantification (S)	%	< 0.001	ISO17025									
pH	pH Units	N/a	MCERTS	7.9	7.8	7.7	7.9	7.9				
Total Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1				
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1				
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	585	33	17	95	56				
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.58	0.03	0.02	0.09	0.06				
Organic Matter (SOM)	%	< 0.1	MCERTS	4.7	2.8	4.6	3.3	2.4				
Arsenic (As)	mg/kg	< 2	MCERTS	16	8	9	9	5				
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1				
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	2.4	0.4	0.3	2	0.7				
Chromium (Cr)	mg/kg	< 2	MCERTS	16	25	19	10	10				
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2				
Copper (Cu)	mg/kg	< 4	MCERTS	170	70	30	234	264				
Lead (Pb)	mg/kg	< 3	MCERTS	799	72	79	448	152				
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1				
Nickel (Ni)	mg/kg	< 3	MCERTS	16	24	14	11	11				
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2				
Vanadium (V)	mg/kg	< 1	MCERTS	25	29	24	11	11				
Zinc (Zn)	mg/kg	< 3	MCERTS	338	116	72	454	277				
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2				

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion Subcontracted analysis (S)





Soil Analysis Certificate													
DETS Report No: 23-08982			Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23					
LK Consult Limited			Time Sampled	None Supplied									
Site Reference: Fairfield Road, Dro	visden		TP / BH No	MG110	MG111	MG112	MG113	MG114					
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Project / Job Ref: LKC 20 1761		4	Additional Refs	None Supplied									
Order No: LKC201761-D1			Depth (m)	None Supplied									
Reporting Date: 09/08/2023		D	ETS Sample No	663060	663061	663062	663063	663064					
Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)					
Asbestos Screen (S)	N/a	N/a	ISO17025	Not Detected	Detected	Not Detected	Not Detected	Not Detected					
					Chrysotile								
Sample Matrix ^(S)	Material Type	N/a	NONE		present in								
					bundles								
Asbestos Type ^(S)	PLM Result	N/a	ISO17025		Chrysotile								
Asbestos Quantification (S)	%	< 0.001	ISO17025		< 0.001								
pH	pH Units	N/a	MCERTS	8.9	7.9	8.9	8.3	8.3					
Total Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1					
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1					
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	347	81	487	108	94					
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.35	0.08	0.49	0.11	0.09					
Organic Matter (SOM)	%	< 0.1	MCERTS	3.7	4.9	5.2	2.6	1.7					
Arsenic (As)	mg/kg	< 2	MCERTS	28	15	26	4	2					
W/S Boron	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1					
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	5.1	2.4	5.3	0.4	0.3					
Chromium (Cr)	mg/kg	< 2	MCERTS	23	15	23	9	6					
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2					
Copper (Cu)	mg/kg	< 4	MCERTS	1190	255	1950	29	16					
Lead (Pb)	mg/kg	< 3	MCERTS	3270	810	1830	64	34					
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1					
Nickel (Ni)	mg/kg	< 3	MCERTS	21	15	27	11	6					
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2					
Vanadium (V)	mg/kg	< 1	MCERTS	19	14	23	11	7					
Zinc (Zn)	mg/kg	< 3	MCERTS	980	553	2440	84	55					
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2					

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion Subcontracted analysis (S)





Soil Analysis Certificate - Speciated PAHs													
DETS Report No: 23-0898	82		Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23					
LK Consult Limited			Time Sampled	None Supplied									
Site Reference: Fairfield	Road, Droylsden		TP / BH No	Plot 49 Rear	Plot 50 Front	Plot 51 Rear	Plot 55 Rear	Plot 56 Rear					
				SS101	SS102	SS103	SS105	SS106					
Project / Job Ref: LKC 20	1761		Additional Refs	None Supplied									
Order No: LKC201761-D1			Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied						
Reporting Date: 09/08/2	.023	D	ETS Sample No	663050	663051	663052	663053	663054					
Determinand	Unit	RL	Accreditation	(n)		(n)	(n)						
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Acenaphthylene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Acenaphthene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Phenanthrene	mg/kg	< 0.1	MCERTS	0.24	< 0.1	0.13	< 0.1	0.48					
Anthracene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	0.12					
Fluoranthene	mg/kg	< 0.1	MCERTS	0.38	0.15	0.19	< 0.1	0.59					
Pyrene		< 0.1	MCERTS	0.37	0.12	0.18		0.63					
Benzo(a)anthracene		< 0.1	MCERTS	0.20	< 0.1	< 0.1	< 0.1	0.32					
Chrysene		< 0.1	MCERTS	0.21	< 0.1	< 0.1	< 0.1	0.33					
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.21	< 0.1	< 0.1	< 0.1	0.37					
Benzo(k)fluoranthene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Benzo(a)pyrene		< 0.1	MCERTS	0.18	< 0.1	< 0.1	< 0.1	0.36					
Indeno(1,2,3-cd)pyrene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	0.13					
Dibenz(a,h)anthracene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Benzo(ghi)perylene		< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	1.8	< 1.6	< 1.6	< 1.6	3.3					

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation





Soil Analysis Certificate	Soil Analysis Certificate - Speciated PAHs													
DETS Report No: 23-0898	32		Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23						
LK Consult Limited			Time Sampled	None Supplied										
Site Reference: Fairfield	Road, Droylsden		TP / BH No	Plot 58 Rear	Plot 54 Front	Plot 58 Front	Plot 60 Rear	MG104						
				SS107	SS108	SS109	SS115							
Project / Job Ref: LKC 20	1761		Additional Refs	None Supplied										
Order No: LKC201761-D1			Depth (m)	None Supplied										
Reporting Date: 09/08/2	023	D	ETS Sample No	663055	663056	663057	663058	663059						
Determinand	Unit	RL		(n)			(n)	(n)						
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1						
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1						
Acenaphthene	mg/kg	< 0.1	MCERTS	0.19	< 0.1	< 0.1	< 0.1	< 0.1						
Fluorene	mg/kg	< 0.1	MCERTS	0.11	< 0.1	< 0.1	< 0.1	< 0.1						
Phenanthrene	mg/kg	< 0.1	MCERTS	1.10	< 0.1	< 0.1	0.22	0.11						
Anthracene	mg/kg	< 0.1	MCERTS	0.28	< 0.1	< 0.1	< 0.1	< 0.1						
Fluoranthene	mg/kg	< 0.1	MCERTS	1.79	< 0.1	0.19	0.28	0.18						
Pyrene	mg/kg	< 0.1	MCERTS	1.73	< 0.1	0.19	0.29	0.18						
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.86	< 0.1	< 0.1	0.16	< 0.1						
Chrysene	mg/kg	< 0.1	MCERTS	0.81	< 0.1	< 0.1	0.14	< 0.1						
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.96	< 0.1	< 0.1	0.18	0.13						
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.34	< 0.1	< 0.1	< 0.1	< 0.1						
Benzo(a)pyrene		< 0.1	MCERTS	0.94	< 0.1	0.12	0.17	0.12						
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.34	< 0.1	< 0.1	< 0.1	< 0.1						
Dibenz(a,h)anthracene			MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1						
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.33	< 0.1	< 0.1	< 0.1	< 0.1						
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	9.8	< 1.6	< 1.6	< 1.6	< 1.6						





Soil Analysis Certificate	- Speciated PAHs							
DETS Report No: 23-0898	32		Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23
LK Consult Limited		Time Sampled		None Supplied				
Site Reference: Fairfield Road, Droylsden		TP / BH No		MG110	MG111	MG112	MG113	MG114
Project / Job Ref: LKC 20 1761		Additional Refs		None Supplied				
Order No: LKC201761-D1			Depth (m)	None Supplied				
Reporting Date: 09/08/2	023	D	ETS Sample No	663060	663061	663062	663063	663064
Determinand	Unit		Accreditation	(n)	(n)	(n)	(n)	(n)
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	0.14	< 0.1	0.19	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.15	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	1.03	0.38	1.39	< 0.1	0.13
Anthracene	mg/kg	< 0.1	MCERTS	0.25	< 0.1	0.35	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	1.74	0.65	2.70	< 0.1	0.25
Pyrene	mg/kg	< 0.1	MCERTS	1.72	0.65	2.67	< 0.1	0.25
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	1.05	0.37	1.39	< 0.1	0.14
Chrysene	mg/kg	< 0.1	MCERTS	0.94	0.38	1.31	< 0.1	0.16
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	1.16	0.46	1.57	< 0.1	0.18
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.43	0.16	0.38	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	1.17	0.48	1.40	< 0.1	0.17
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.52	0.19	0.62	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.12	< 0.1	0.15	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.50	0.18	0.63	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	10.8	3.9	14.9	< 1.6	< 1.6





DETS Report No: 23-08982			Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23
LK Consult Limited Site Reference: Fairfield Road, Droylsden Project / Job Ref: LKC 20 1761		Time Sampled TP / BH No Additional Refs		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
				Plot 49 Rear SS101	Plot 50 Front SS102		Plot 55 Rear SS105	Plot 56 Rear SS106
				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: LKC201761-D1		Depth (m)		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Reporting Date: 09/08/2023		DETS Sample No		663050	663051	663052	663053	663054
			A			(-)		(-)
Determinand Aliphatic >C5 - C6 :	Unit mg/kg	RL < 0.01	Accreditation NONE	(n) < 0.01	< 0.01	(n) < 0.01	(n) < 0.01	(n) < 0.01
HS 1D MS AL Aliphatic >C6 - C8 :	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
HS 1D MS AL Aliphatic >C8 - C10 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34 : EH CU 1D AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C34 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS 1D MS+EH CU 1D AL	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Aromatic >C5 - C7 : HS 1D MS AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS 1D MS AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH CU 1D AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH_CU_1D_AR	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aromatic >C21 - C35 : EH CU 1D AR	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aromatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Tot	mg/kg	< 42	NONE	< 42	< 42	< 42	< 42	< 42

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation





Soil Analysis Certificate - TPH CWG Bander DETS Report No: 23-08982		Date Sampled		07/07/23	07/07/23	07/07/23	07/07/23	07/07/23
LK Consult Limited Site Reference: Fairfield Road, Droylsden		Time Sampled TP / BH No		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
				Plot 58 Rear SS107	Plot 54 Front SS108	Plot 58 Front SS109	Plot 60 Rear SS115	MG104
Project / Job Ref: LKC 20 1761		Additional Refs		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: LKC201761-D1		Depth (m)		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Reporting Date: 09/08/2023			TS Sample No	663055	663056	663057	663058	663059
Determinand	Unit	RL	Accreditation	(n)			(n)	(n)
Aliphatic >C5 - C6 : HS 1D MS AL	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS 1D MS AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34 : EH_CU_1D_AL	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C34 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS 1D MS+EH CU 1D AL	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Aromatic >C5 - C7 : HS 1D MS AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS 1D MS AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH CU 1D AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH CU 1D AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH CU 1D AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH CU 1D AR	mg/kg	< 3	MCERTS	9	< 3	< 3	< 3	< 3
Aromatic >C21 - C35 : EH CU 1D AR	mg/kg	< 10	MCERTS	11	< 10	< 10	< 10	< 10
Aromatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Tot	mg/kg	< 42	NONE	< 42	< 42	< 42	< 42	< 42





Soil Analysis Certificate - TPH CWG Bander DETS Report No: 23-08982		Date Sampled		07/07/23	07/07/23	07/07/23	07/07/23	07/07/23
LK Consult Limited Site Reference: Fairfield Road, Droylsden Project / Job Ref: LKC 20 1761		Time Sampled TP / BH No Additional Refs		None Supplied MG110	None Supplied MG111	None Supplied MG112	None Supplied MG113	None Supplied MG114
				Order No: LKC201761-D1		Depth (m) DETS Sample No		None Supplied
Reporting Date: 09/08/2023		663060	663061	663062	663063			663064
Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Aliphatic >C5 - C6 : HS 1D MS AL	mg/kg		NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8 : HS 1D MS AL	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12 : EH CU 1D AL	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	6	< 3	< 3
Aliphatic >C16 - C21 : EH CU 1D AL	mg/kg	< 3	MCERTS	< 3	< 3	17	< 3	< 3
Aliphatic >C21 - C34 : EH CU 1D AL	mg/kg	< 10	MCERTS	< 10	< 10	81	< 10	< 10
Aliphatic >C34 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44) : HS 1D MS+EH CU 1D AL	mg/kg	< 21	NONE	< 21	< 21	103	< 21	< 21
Aromatic >C5 - C7 : HS 1D MS AR	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8 : HS 1D MS AR	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10 : EH CU 1D AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16 : EH_CU_1D_AR	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21 : EH CU 1D AR	mg/kg	< 3	MCERTS	3	3	5	< 3	< 3
Aromatic >C21 - C35 : EH CU 1D AR	mg/kg	< 10	MCERTS	13	< 10	23	< 10	< 10
Aromatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (C5 - C44) : HS_1D_MS+EH_CU_1D_AR	mg/kg	< 21	NONE	< 21	< 21	28	< 21	< 21
Total >C5 - C44 : HS_1D_MS+EH_CU_1D_Tot	mg/kg	< 42	NONE	< 42	< 42	131	< 42	< 42





Soil Analysis Certificate	- BTEX / MTBE							
DETS Report No: 23-0898	32		Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23
LK Consult Limited			Time Sampled	None Supplied				
Site Reference: Fairfield F	Road, Droylsden		TP / BH No	Plot 49 Rear	Plot 50 Front	Plot 51 Rear	Plot 55 Rear	Plot 56 Rear
				SS101	SS102	SS103	SS105	SS106
Busiast (Jak Bafa 1 KG 20	17(1							
Project / Job Ref: LKC 20			Additional Refs	None Supplied				None Supplied
Order No: LKC201761-D1	Order No: LKC201761-D1		Depth (m)	None Supplied				
Reporting Date: 09/08/2	Reporting Date: 09/08/2023		ETS Sample No	663050	663051	663052	663053	663054
Determinand	Unit	RL	Accreditation	(n)		(n)	(n)	(n)
Benzene : HS 1D MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS 1D MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation





Soil Analysis Certificate	- BTEX / MTBE							
DETS Report No: 23-08982			Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23
LK Consult Limited			Time Sampled	None Supplied				
Site Reference: Fairfield F	Road, Droylsden		TP / BH No	Plot 58 Rear	Plot 54 Front	Plot 58 Front	Plot 60 Rear	MG104
				SS107	SS108	SS109	SS115	
Project / Job Ref: LKC 20	1761	1	Additional Refs	None Supplied				
Order No: LKC201761-D1			Depth (m)	None Supplied				
Reporting Date: 09/08/2	023	D	ETS Sample No	663055	663056	663057	663058	663059
Determinand			Accreditation	(n)			(n)	(n)
Benzene : HS 1D MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS 1D MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5





Soil Analysis Certificate	- BTEX / MTBE							
DETS Report No: 23-08982			Date Sampled	07/07/23	07/07/23	07/07/23	07/07/23	07/07/23
LK Consult Limited			Time Sampled	None Supplied				
Site Reference: Fairfield F	Road, Droylsden		TP / BH No	MG110	MG111	MG112	MG113	MG114
Project / Job Ref: LKC 20		1	Additional Refs	None Supplied				
Order No: LKC201761-D1			Depth (m)	None Supplied				
Reporting Date: 09/08/2	023	D	ETS Sample No	663060	663061	663062	663063	663064
Determinand	Unit	RL	Accreditation	(n)	(n)	(n)	(n)	(n)
Benzene : HS 1D MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene : HS_1D_MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene : HS_1D_MS	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE : HS 1D MS	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5





Soil Analysis Certificate - Sample Descriptions DETS Report No: 23-08982 LK Consult Limited Site Reference: Fairfield Road, Droylsden Project / Job Ref: LKC 20 1761 Order No: LKC201761-D1 Reporting Date: 09/08/2023

DETS Sample No	DETS Sample No TP / BH No Additional Refs		Depth (m)	Content (%)	Sample Matrix Description
663050	Plot 49 Rear SS101	None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663051	Plot 50 Front SS102	None Supplied	Brown sandy clay with stones and vegetation		
663052	Plot 51 Rear SS103	None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663053	Plot 55 Rear SS105	None Supplied	None Supplied		Brown sandy gravel with stones
663054	Plot 56 Rear SS106	None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663055	Plot 58 Rear SS107	None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663056	Plot 54 Front SS108	None Supplied	None Supplied		Brown sandy clay with stones and vegetation
663057	Plot 58 Front SS109	None Supplied	None Supplied		Brown sandy clay with stones and vegetation
663058	Plot 60 Rear SS115	None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663059	MG104	None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663060	MG110	None Supplied	None Supplied		Brown sandy gravel with stones and brick
663061	MG111	None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663062		None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663063		None Supplied	None Supplied		Brown sandy gravel with stones and concrete
663064	MG114	None Supplied	None Supplied	4.1	Brown sandy gravel with stones and concrete

Moisture content is part of procedure E003 & is not an accredited test Insufficient Sample ^{I/S} Unsuitable Sample ^{U/S}





Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 23-08982
LK Consult Limited
Site Reference: Fairfield Road, Droylsden
Project / Job Ref: LKC 20 1761
Order No: LKC201761-D1
Reporting Date: 09/08/2023

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR		Determination of BTEX by headspace GC-MS	E001
Soil	D		Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of	E016
			1,5 diphenylcarbazide followed by colorimetry	
Soil	AR		Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR		Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR		Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D		Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by	E022
			electrometric measurement	
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D		Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
	AR			E020 E004
Soil Soil	AR		Determination of acetone/hexane extractable hydrocarbons by GC-FID Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004 E004
3011	AK		Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by	E004
Soil	AR	C12-C16, C16-C21, C21-C40)		E004
Soil	D	Eluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (EOC)	Determination of TOC by combustion analyser.	E003
Soil	D		Determination of TOC by combustion analyser.	E027 E027
Soil	D		Determination of TOC by combustion analyser.	E027 E027
Soil	AR		Determination of ammonium by discrete analyser.	E027 E029
3011		Exchangeable Ammonium	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by	E029
Soil	D	FOC (Fraction Organic Carbon)		E010
			titration with iron (II) sulphate Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle	┫────┤
Soil	D	Loss on Ignition @ 450oC		E019
Soil	D	Magnosium - Water Soluble	furnace Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
	D		Determination of metals by aqua-regia digestion followed by ICP-OES	E025 E002
Soil	D		Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	EUUZ
Soil	AR	Mineral Oil (C10 - C40)	cartridge	E004
Soil	AR	Moisture Content		E003
Soil	D		Determination of nitrate by extraction with water & analysed by ion chromatography	E003
			Determination of organic matter by oxidising with potassium dichromate followed by titration with	
Soil	D	Organic Matter	iron (II) sulphate	E010
			Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the	
Soil	AR	PAH - Speciated (EPA 16)	use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D		Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR		Determination of pH by addition of water followed by electrometric measurement	E011
Soil	AR		Determination of phenols by distillation followed by colorimetry	E021
Soil	D		Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D		Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D		Determination of sulphate by extraction with water & analysed by ion chromatography	E015
Soil	D		Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR		Determination of sulphide by distillation followed by colorimetry	E011
Soil	D		Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E010
			Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by	
Soil	AR	SVOC	GC-MS	E006
<u> </u>	45		Determination of thiocyanate by extraction in caustic soda followed by acidification followed by	5015
Soil	AR	Thiocyanate (as SCN)	addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TFM)	Gravimetrically determined through extraction with toluene	E011
			Determination of organic matter by oxidising with potassium dichromate followed by titration with	
Soil	D	Total Organic Carbon (TOC)	iron (II) sulphate	E010
		TPH CWG (ali: C5- C6, C6-C8, C8-C10,		1
			Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	
Soil	AR	aro: C5-C7, C7-C8, C8-C10, C10-C12,		E004
		C12-C16, C16-C21, C21-C35)		1
	t i			1
		TPH LQM (ali: C5-C6, C6-C8, C8-C10,		
Soil	AR		Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE	E004
001	7.0.5	aro: C5-C7, C7-C8, C8-C10, C10-C12,	cartridge for C8 to C44. C5 to C8 by headspace GC-MS	2001
		C12-C16, C16-C21, C21-C35, C35-C44)		
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
			Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001
Soil	AR			

D Dried AR As Received





List of HWOL Acronyms and Operators
DETS Report No: 23-08982
LK Consult Limited
Site Reference: Fairfield Road, Droylsden
Project / Job Ref: LKC 20 1761
Order No: LKC201761-D1
Reporting Date: 09/08/2023

Acronym	Description
HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
2D	GC-GC - Double coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total
	Det - Acronym
	Benzene - HS_1D_MS

Det - Actonym
Benzene - HS_1D_MS
Ethylbenzene - HS_1D_MS
MTBE - HS_1D_MS
TPH CWG - Aliphatic >C10 - C12 - EH_CU_1D_AL
TPH CWG - Aliphatic >C12 - C16 - EH_CU_1D_AL
TPH CWG - Aliphatic >C16 - C21 - EH_CU_1D_AL
TPH CWG - Aliphatic >C21 - C34 - EH_CU_1D_AL
TPH CWG - Aliphatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AL
TPH CWG - Aliphatic >C5 - C6 - HS_1D_MS_AL
TPH CWG - Aliphatic >C6 - C8 - HS_1D_MS_AL
TPH CWG - Aliphatic >C8 - C10 - EH_CU_1D_AL
TPH CWG - Aromatic >C10 - C12 - EH_CU_1D_AR
TPH CWG - Aromatic >C12 - C16 - EH_CU_1D_AR
TPH CWG - Aromatic >C16 - C21 - EH_CU_1D_AR
TPH CWG - Aromatic >C21 - C35 - EH_CU_1D_AR
TPH CWG - Aromatic >C5 - C44 - HS_1D_MS+EH_CU_1D_AR
TPH CWG - Aromatic >C5 - C7 - HS_1D_MS_AR
TPH CWG - Aromatic >C7 - C8 - HS_1D_MS_AR
TPH CWG - Aromatic >C8 - C10 - EH_CU_1D_AR
TPH CWG - Total >C5 - C44 - HS_1D_MS+EH_CU_1D_Total
Toluene - HS_1D_MS
m & p-xylene - HS_1D_MS
o-Xylene - HS_1D_MS

Appendix B – Generic Assessment Criteria

CATEGORY 4 SCREENING LEVELS

Substance	Residential (with home- grown produce)	Residential (without home- grown produce)	Allotments	Commercial	Public Open Space 1	Public Open Space 2
Arsenic	37 mg/kg	40 mg/kg	49 mg/kg	640 mg/kg	79 mg/kg	170 mg/kg
Benzene	0.87 mg/kg	3.3 mg/kg	0.18 mg/kg	98 mg/kg	140 mg/kg	230 mg/kg
Benzo(a)pyrene	5.0 mg/kg	5.3 mg/kg	5.7 mg/kg	77 mg/kg	10 mg/kg	21 mg/kg
Cadmium	22 mg/kg	150 mg/kg	3.9 mg/kg	410 mg/kg	220 mg/kg	880 mg/kg
Chromium VI	21 mg/kg	21 mg/kg	170 mg/kg	49 mg/kg	21 mg/kg	250 mg/kg
Lead	200 mg/kg	310 mg/kg	80 mg/kg	2300 mg/kg	630 mg/kg	1300 mg/kg

Tetrachlorethene	0.31	0.32	2.0	24	3,200	1,400
(PCE) – 1% SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tetrachlorethene	0.70	0.71	4.8	55	3,300	1,900
(PCE) – 2.5% SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Tetrachlorethene	1.6 mg/kg	1.6	11	130	3,400	2,500
(PCE) – 6% SOM		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Trichlorethene	0.0093	0.0097	0.032	0.73	76	41
(TCE) – 1% SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Trichlorethene	0.020	0.020	0.072	1.5	78	54
(TCE) – 2.5% SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Trichlorethene	0.043	0.045	0.16	3.4	79	69
(TCE) – 6% SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Vinyl Chloride	0.0064	0.015	0.0017	1.1	7.8	18
(VC) – 1%SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Vinyl Chloride	0.010	0.019	0.0031	1.4	7.8	19
(VC) – 2.5%SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Vinyl Chloride	0.017	0.029	0.0058	2.2	7.8	19
(VC) – 6%SOM	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Summary Table for the Generic Assessment Criteria for Human Health Risk Assessment Land Quality Management (LQM) S4ULs.

	GAC are based on sandy m soils with a pH 7.		LQM Generic Assessment Criteria (mg/kg) Dry weight soil						
	Contaminant	SOM	Res +	Res -	Allot.	Comm.	POSresi	POSpark	
	Inorganic Arsenic	6%	37	40	43	640	79	170	
	Beryllium	6%	1.7	1.7	35	12	2.2	63	
	Boron	6%	290	11,000	45	240,000	21,000	46,000	
	Cadmium	6%	11	85	1.9	190	120	532	
	Chromium (III)	6%	910	910	18,000	8,600	1,500	33,000	
	Chromium (VI)	6%	6.0	6.0	1.8	33	7.7	220	
als	Copper	6%	2,400	7,100	520	68,000	12,000	44,000	
Metals	Elemental Mercury	6%	1.2	1.2	21	58 (25.8) ^{vap}	16	30 (25.8) ^{vap}	
Σ	Inorganic Mercury	6%	40	56	19	1,100	120	240	
	Methylmercury	6%	11	15	6.0	320	40	68	
	Nickel	6%	180	180	230	980	230	3,400	
	Selenium	6%	250	430	88	12,000	1,100	1,800	
	Vanadium	6%	410	1,200	91	9,000	2,000	5,000	
	Zinc	6%	3,700	40,000	620	730,000	81,000	170,000	
	Benzene	1%	0.087	0.38	0.017	27	72	90	
		2.5%	0.17	0.70	0.034	47	72	100	
		6%	0.37	1.4	0.075	90	73	110	
		1%	130	880 (869) ^{vap}	22	56,000 (869) ^{vap}	56,000	87,000 (869) ^{vap}	
	Toluene	2.5%	290	1,900	51	110,000 (1,920) ^{vap}	56,000	95,000 (1,920) ^{va}	
s		6%	660	3,900	120	180,000 (4,360) ^{vap}	56,000	100,000 (4,360)	
ë		1%	47	83	16	5,700 (518) ^{vap}	24,000	17,000 (518) ^{vap}	
no	Ethylbenzene	2.5%	110	190	39	13,000 (1,220) ^{vap}	24,000	22,000 (1,220) ^{va}	
ð		6%	260	440	91	27,000 (2,840) ^{vap}	25,000	27,000 (2,840) ^{va}	
<u>o</u> –		1%	60	88	28	6,600 (478) ^{sol}	41,000	17,000 (478) ^{sol}	
×	o-xylene	2.5%	140	210	67	15,000 (1,120) ^{sol}	42,000	24,000 (1,120) sc	
BTEX Compounds	° Aylerie	6%	330	480	160	33,000 (2,620) ^{sol}	43,000	33,000 (2,620) ^{sc}	
<u>n</u> –		1%	59	82	31	6,200 (625) ^{vap}	41,000	17,000 (625) ^{vap}	
	m-xylene	2.5%	140	190	74	14,000 (1,470) ^{vap}	42,000	24,000 (1,470) ^{va}	
		6%	320	450	170	31,000 (3,460) ^{vap}	43,000	32,000 (3,460) ^{va}	
		1%	56	79	29	5,900 (576) ^{sol}	41,000	17,000 (576) ^{sol}	
	o-xylene	2.5%	130	180	69	14,000 (1,350) ^{sol}	42,000	23,000 (1,350) ^{sc}	
	ρ-xylene	6%	310	430	160	30,000 (3,170) ^{sol}	43,000	31,000 (3,170) ^{sc}	

NOTES Sol/vap = solubility / vapour limit (potentially use if free product identified, although highly conservative). f = oral, dermal and inhalation exposures compared to oral HCV.

oan	n soils with a pH 7.		LQM Generic Assessment Criteria (mg/kg) Dry weight soil							
	Contaminant	SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POS _{park}		
Т		1%	210	3,000 (57.1) ^{sol}	34	84,000 (57.0) ^{sol}	15,000	29,000		
	Acenaphthene	2.5%	510	4,700 (141) sol	85	97,000 (141) sol	15,000	30,000		
		6%	1,100	6,000 (336) ^{sol}	200	100,000	15,000	30,000		
		1%	170	2,900 (86.1) ^{sol}	28	83,000 (86.1) ^{sol}	15,000	29,000		
	Acenaphthylene	2.5%	420	4,600 (212) ^{sol}	69	97,000 (212) ^{sol}	15,000	30,000		
		6%	920	6,000 (506) ^{sol}	160	100,000	15,000	30,000		
		1%	2,400	31,000 (1.17) ^{vap}	380	520,000	74,000	150,000		
	Anthracene	2.5%	5,400	35,000	950	540,000	74,000	150,000		
		6%	11,000	37,000	2,200	540,000	74,000	150,000		
		1%	7.2	11	2.9	170	29	49		
	Benz(a)anthracene	2.5%	11	14	6.5	170	29	56		
		6%	13	15	13	180	29	62		
		1%	2.2	3.2	0.97	35	5.7	11		
	Benzo(a)pyrene (only)	2.5%	2.7	3.2	2.0	35	5.7	12		
		6%	3.0	3.2	3.5	36	5.7	13		
		1%	2.6	3.9	0.99	44	7.1	13		
	Benzo(b)fluoranthene	2.5%	3.3	4.0	2.1	44	7.2	15		
	201120(0)110010111110110	6%	3.7	4.0	3.9	45	7.2	16		
• -		1%	320	360	290	3,900	640	1,400		
	Benzo(ghi)perylene	2.5%	340	360	470	4,000	640	1,500		
	Benzo(gm)perylene	6%	350	360	640	4,000	640	1,600		
		1%	77	110	37	1,200	190	370		
	Benzo(k)fluoranthene	2.5%	93	110	75	1,200	190	410		
	Denzo(k)ndoranthene	6%	100	110	130	1,200	190	440		
		1%	15	30	4.1	350	57	93		
	Chrysene	2.5%	22	31	9.4	350	57	110		
		6%	27	32	19	350	57	120		
		1%	0.24	0.31	0.14	3.5	0.57	1.1		
	Dibenzo(ah)anthracene	2.5%	0.28	0.32	0.27	3.6	0.58	1.3		
		6%	0.3	0.32	0.43	3.6	0.58	1.4		
		1%	280	1,500	52	23,000	3,100	6,300		
	Fluoranthene	2.5%	560	1,600	130	23,000	3,100	6,300		
1		6%	890	1,600	290	23,000	3,100	6,400		
		1%	170	2,800 (36.0) sol	27	63,000 (30.9) ^{sol}	9,900	20,000		
	Fluorene	2.5%	400	3,800 (76.5) ^{sol}	67	68,000	9,900	20,000		
		6%	860	4,500 (183) ^{sol}	160	71,000	9,900	20,000		
		1%	27	45	9.5	500	82	150		
	Indeno(123-cd)pyrene	2.5%	36	46	21	510	82	170		
		6%	41	46	39	510	82	180		
		1%	2.3 ^f	2.3 ^f	4.1 ^f	190 ^f (76.4) ^{sol}	4,900 ^f	1,200 ^f (76.4) ^s		
	Naphthalene	2.5%	5.6 ^f	5.6 ^f	10 ^f	460 ^f (183) ^{sol}	4,900 ^f	1,900 ^f (183) ^s		
1	-1	6%	13 '	13 '	24 ^f	1,100 ^{<i>f</i>} (432) ^{sol}	4,900 ^f	3,000		
F		1%	95	1,300 (36.0) ^{sol}	15	22,000	3,100	6,200		
	Phenanthrene	2.5%	220	1,500	38	22,000	3,100	6,200		
		6%	440	1,500	90	22,000	3,100	6,300		
F		1%	620	3,700	110	54,000	7,400	15,000		
1	Pyrene	2.5%	1,200	3,800	270	54,000	7,400	15,000		
	i yiono	6%	2,000	3,800	620	54,000	7,400	15,000		
╞	0.1-	1%	0.79	1.2	0.32	15	2.2	4.4		
	Coal Tar									
	(B(a)P as surrogate marker)	2.5%	0.98	1.2	0.67	15	2.2	4.7		
	marker)	6%	1.1	1.2	1.2	15	2.2	4.8		

NOTES Sol / vap = solubility / vapour limit (potentially use if free product identified, although highly conservative). f = naphthalene is based on comparison of inhalation exposure with TDI_{inhal} for localised effect.

All GAC are based on sandy loam soils

LQM Generic Assessment Criteria (mg/kg) Dry weight soil

	sandy loam soils h a pH 7.						-	
	Contaminant	SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POS _{park}
	Aliphatic					·		
	EC 5-6	1%	42	42	730	3,200 (304) ^{sol}	570,000(304) ^{sol}	95,000 (304) ^{sol}
	EC>6-8	1%	100	100	2,300	7,800 (144) ^{sol}	600,000	150,000 (144) ^{sol}
	EC>8-10	1%	27	27	320	2,000 (78) ^{sol}	13,000	14,000 (78) ^{vap}
	EC>10-12	1%	130 (48) ^{vap}	130 (48) ^{vap}	2,200	9,700 (48) ^{sol}	13,000	21,000 (48) ^{vap}
	EC>12-16	1%	1,100 (24) sol	1,100 (24) ^{sol}	11,000	59,000 (24) ^{sol}	13,000	25,000 (24) ^{sol}
	EC>16-35	1%	65,000 (8.48) ^{f,sol}	65,000 (8.48) ^{f,sol}	260,000 ^f	160,000 ^f	250,000 ^f	450,000 ^f
	EC>35-44	1%	65,000 (8.48) ^{f,sol}	65,000 (8.48) ^{f,sol}	260,000 ^f	160,000 ^f	250,000 ^f	450,000 [†]
	Aliphatic							
	EC 5-6	2.5%	78	78	1,700	5,900 (558) ^{sol}	590,000	130,000 (558) ^{sol}
	EC>6-8	2.5%	230	230	5,600	17,000 (322) ^{sol}	610,000	220,000 (322) ^{sol}
	EC>8-10	2.5%	65	65	770	4,800 (190) vap	13,000	18,000 (190) ^{vap}
	EC>10-12	2.5%	330 (118) ^{vap}	330 (118) ^{vap}	4,400	23,000 (118) ^{vap}	13,000	23,000 (118) vap
	EC>12-16	2.5%	2,400 (59) sol	2,400 (59) ^{sol}	13,000	82,000 (59) sol	13,000	25,000 (59) sol
	EC>16-35	2.5%	92,000 (21) ^{f,sol}	92,000 (21) ^{f,sol}	270,000 ^f	1,700,000 ^f	250,000 ^f	480,000 ^f
	EC>35-44	2.5%	92,000 (21) ^{f,sol}	92,000 (21) ^{f,sol}	270,000 ^f	1,700,000 ^f	250,000 ^f	480,000 ^f
	Aliphatic							
	EC 5-6	6%	160	160	3,900	12,000 (1,150) ^{sol}	600,000	180,000 (1,150) ^{sol}
	EC>6-8	6%	530	530	13,000	40,000 (736) sol	620,000	320,000 (736) sol
	EC>8-10	6%	150	150	1,700	11,000 (451) ^{vap}	13,000	21,000 (451) vap
	EC>10-12	6%	760 (283) ^{vap}	760 (283) ^{vap}	7,300	47,000 (283) vap	13,000	24,000 (283) vap
	EC>12-16	6%	4,300 (142) sol	4,400 (142) sol	13,000	90,000 (142) ^{sol}	13,000	26,000 (142) ^{sol}
	EC>16-35	6%	110,000 ^f	110,000 ^f	270,000 ^f	1,800,000 ^f	250,000 ^f	490,000 ^f
	EC>35-44	6%	110,000 ^f	110,000 ^f	270,000 ^f	1,800,000 ^f	250,000 ^f	490,000 ^f
	Aromatic							
S	EC5-7(benzene	1%	70	370	13	26,000 (1,220 ^{) sol}	56,000	76,000 (1,220) ^{sol}
LO LO	as non-threshold)			370			50,000	
ark	EC>7-8(toluene)	1%	130	860	22	56,000 (869) ^{vap}	56,000	87,000 (869) ^{vap}
ö	EC>8-10	1%	34	47	8.6	3,500 (613) vap	5,000	7,200 (613) vap
dr	EC>10-12	1%	74	250	13	16,000 (364) ^{sol}	5,000	9,200 (364) ^{sol}
Нy	EC>12-16	1%	140	1,800	23	36,000 (169 [°]) ^{sol}	5,100	10,000
m	EC>16-21	1%	260 ^f	1,900 ^f	46 ^f	28,000 ^f	3,800 ^f	7,600 ^f
let	EC>21-35	1%	1,100 ^f	1,900 ^f	370 ^f	28,000 [†]	3,800 '	7,800 ^f
Petroleum Hydrocarbons	EC>35-44	1%	1,100 ^f	1,900 ^f	370 ^f	28,000 '	3,800 ^f	7,800 ^f
Pe	Aromatic							
	EC5-7(benzene as non-threshold)	2.5%	140	690	27	46,000 (2,260) ^{sol}	56,000	84,000 (2,260) ^{sol}
1	EC>7-8(toluene)	2.5%	290	1,800	51	110,000 (1,920) ^{sol}	56,000	95,000 (1,920) ^{sol}
	EC>8-10	2.5%	83	110	21	8,100 (1,500) ^{vap}	5,000	8,500 (1,500) ^{vap}
	EC>10-12	2.5%	180	590	31	28,000 (899) ^{sol}	5,000	9,700 (899) ^{sol}
	EC>12-16	2.5%	330	2,300 (419) ^{sol}	57	37,000	5,100	10,000
	EC>16-21	2.5%	540 ^f	1,900	110 ^f	28,000 ^f	3,800 ^f	7,700 ^f
	EC>21-35	2.5%	1,500 ^f	1,900 ^f	820 ^f	28,000 ^f	3,800 ^f	7,800 ^f
	EC>35-44	2.5%	1,500 ^f	1,900 ^f	820 ^f	28,000 ^f	3,800 ^f	7,800 ^f
	Aromatic		· ·			· ·		
	EC5-7(benzene	6%	300	1,400	57	86,000 (4,710) ^{sol}	56,000	92,000 (4,710) ^{sol}
	as non-threshold) EC>7-8(toluene)	6%	660	3,900	120	180,000 (4,360)	56,000	100,000 (4,360) ^{vap}
	. ,							
	EC>8-10 EC>10-12	6% 6%	190 380	270 1,200	51 74	17,000 (3,580) ^{vap} 34,000(2,150) ^{sol}	5,000 5,000	9,300 (3,580) ^{vap} 10,000
	EC>10-12 EC>12-16	6% 6%	660	2,500	130	34,000(2,150) 38,000	5,000	10,000
	EC>12-16 EC>16-21	6%	930 ^r	1,900 ^t	260 ^f	28,000 ^f	3,800 ^f	7,800
	EC>16-21 EC>21-35	6%	1,700 ^f	1,900 ^f	1,600 ^f	28,000 ^f	3,800 ^f	7,800 ^f
	EC>21-35 EC>35-44	6%	1,700 ^f	1,900 ^f	1,600 ^f	28,000 ^f	3,800 ^f	7,900 ^f
			1,600	1,900	1,800	28,000	3,800 ^t	7,800
	Aliphatic +Aromatic	1% 2.5%	1,800 ^f	1,900 ^f	2,100 ^f	28,000 ^f	3,800 3,800 ^f	7,800 ^f
	>EC44		1,800 ^f	1,900 ^f	2,100 3,000 ^f	28,000 ^f	3,800 ^f	7,800 ^f
NOT		6%	1,900	1,900	3,000	20,000	3,000	7,900

NOTES Sol⁷vap = solubility / vapour limit (potentially use if free product identified, although highly conservative). f = oral, dermal and inhalation exposures compared to oral HCV.

	GAC are based on sandy loam ils with a pH 7.		LQM Generic Assessment Criteria (mg/kg) Dry weight soil							
	Contaminant	SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POS _{park}		
	1.2 Dichloroothana	1%	7.1E-03	9.2E-03	4.6E-03	0.67	29	21		
	1,2 Dichloroethane (DCA)	2.5%	1.1E-02	1.3E-02	8.3E-03	0.97	29	24		
	(BEA)	6%	1.9E-02	2.3E-02	1.6E-02	1.7	29	28		
ĺ	1 1 1 Trichlereethene	1%	8.8	9.0	48	660	140,000	57,000 (1,425) ^{vap}		
	1,1,1 Trichloroethane (TCA)	2.5%	18	18	110	1,300	140,000	76,000 (2,915) vap		
	(10A)	6%	39	40	240	3,000	140,000	100,000 (6,392) ^{vap}		
ĺ		1%	1.6	3.9	0.41	270	1,400	1,800		
	1,1,2,2-Tetrachloroethanes (PCA)	2.5%	3.4	8.0	0.89	550	1,400	2,100		
		6%	7.5	17	2.0	1,100	1,400	2,300		
ĺ		1%	1.2	1.5	0.79	110	1,400	1,500		
	1,1,1,2-Tetrachloroethanes (PCA)	2.5%	2.8	3.5	1.9	250	1,400	1,800		
é	(FCA)	6%	6.4	8.2	4.4	560	1,400	2,100		
canicolidad		1%	0.18	0.18	0.65	19	1,400	810 (424) ^{sol}		
bid	Tetrachloroethene (PCE)	2.5%	0.39	0.40	1.5	42	1,400	1,100 (951) sol		
Ч		6%	0.90	0.92	3.6	95	1,400	1,500		
ð		1%	2.6E-02	2.6E-02	0.45	2.9	890	190		
ŝ	Tetrachloromethane (carbon	2.5%	5.6E-02	5.6E-02	1.0	6.3	920	270		
i i	tetrachloride)	6%	0.13	0.13	2.4	14	950	400		
AIRENES		1%	1.6E-02	1.7E-02	4.1E-02	1.2	120	70		
Ĩ	Trichloroethene (TCE)	2.5%	3.4E-02	3.6E-02	9.1E-02	2.6	120	91		
and		6%	7.5E-02	8.0E-02	0.21	5.7	120	120		
2	Trichloromethane (chloroform)	1%	0.91	1.2	0.42	99	2,500	2,600		
		2.5%	1.7	2.1	0.83	170	2,500	2,800		
CIIIOalkanes		6%	3.4	4.2	1.7	350	2,500	3,100		
ŏ		1%	6.4E-04	7.7E-04	5.5E-04	5.9E-02	3.5	4.8		
5	Chloroethene (vinyl chloride)	2.5%	8.7E-04	1.0E-03	1.0E-03	7.7E-02	3.5	5.0		
-		6%	1.4E-03	1.5E-03	1.8E-03	0.12	3.5	5.4		
		1%	1.6	65	0.24	1,000	130	260		
	2,4,6-Trinitritoluene (TNT)	2.5%	3.7	66	0.58	1,000	130	270		
	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6%	8.1	66	1.4	1,000	130	270		
		1%	120	13,000	17	210,000	26,000	49,000 (18.7) ^{sol}		
	RDX	2.5%	250	13,000	38	210,000	26,000	51,000		
		6%	540	13,000	85	210,000	27,000	53,000		
		1%	5.7	6,700	0.86	110,000	13,000	23,000 (0.35) ^{vap}		
	НМХ	2.5%	13	6,700	1.9	110,000	13,000	23,000 (0.39) ^{vap}		
		6%	26	6,700	3.9	110,000	13,000	24,000 (0.48) ^{vap}		
-		1%	5.7	7.3	3.2	170	18	30		
	Aldrin	2.5%	6.6	7.4	6.1	170	18	31		
	Adm	6%	7.1	7.5	9.8	170	18	31		
		1%	0.97	7.0	0.17	170	18	30		
	Dieldrin	2.5%	2.0	7.0	0.17	170	18	30		
	Dieidiiii	6%	3.5	7.4	0.96	170	18	31		
		1%	3.3	610	0.5	9,300		2,300		
2	Atrozino	2.5%		620	1.2	9,300	1,200			
ae	Atrazine	6%	7.8 17.4	620	2.7	9,400	1,200	2,400 2,400		
5							-			
resticides	Dichlonyco	1%	3.2E-02	6.4	4.9E-03 1.0E-02	140 140	16	26		
Ĺ	Dichlorvos	2.5%	6.6E-02	6.5			16	26		
		6%	0.14	6.6	2.2E-02	140	16	27		
		1%	7.4	160 (3.0E-03) vap	1.2	5,600 (3.0E-03) ^{vap}	1,200	2,300		
	Endosulfanns (2 isomers)	2.5%	18	280 (7.0E-03) vap	2.9	7,400 (7.0E-03) ^{vap}	1,200	2,400		
		6%	41	410 (1.6E-02) vap	6.8	8,400 (1.6E-02) vap	1,200	2,500		
	Hexachlorocyclohexane (3	1%	8.5E-02	3.7	1.3E-02	65	8.1	15		
	isomers), inc Lindane	2.5%	0.2	3.8	3.2E-02	65	8.1	15		
	isomers), inc cinuane	6%	0.46	3.8	7.7E-02	65	8.1	16		

NOTES Sol/vap = solubility / vapour limit (potentially use if free product identified, although highly conservative).

All GAC are based on
sandy loam soils with a pH

LQM Generic Assessment Criteria (mg/kg) Dry weight soil

7.	andy ioani sons with a pri										
	Contaminant	SOM	Res +	Res -	Allot.	Comm.	POS _{resi}	POSpark			
		1%	0.46	0.46	5.9	56	11,000	1,300 (675) ^{sol}			
	Chlorobenzene	2.5%	1.0	1.0	14	130	13,000	2,000 (1,520) ^{sol}			
		6%	2.4	2.4	32	290	14,000	2,900			
- [D 's Handler	1%	23	24	94	2,000 (571) ^{sol}	90,000	24,000 (571) ^{sol}			
	Dichlorobenzenes (3 isomers)	2.5%	55	57	230	4,800 (1,370) ^{sol}	95,000	36,000 (1,370) sol			
	(Sisoners)	6%	130	130	540	11,000 (3,240) ^{sol}	98,000	51,000 (3,270) ^{so}			
es	Trickleach an an an	1%	2.6	2.6	55	220	15,000	1,700 (318) ^{vap}			
ē	Trichlorobenzenes (3 isomers)	2.5%	6.4	6.4	140	530	17,000	2,600 (786) vap			
Chlorobenzenes	(3 Isomers)	6%	15	15	320	1,300	19,000	4,000 (1,880) ^{vap}			
ğ	Tetreshienshiensen	1%	0.66	0.75	0.38	49 (39.4) ^{vap}	78	110 (39) ^{vap}			
2	Tetrachlorobenzenes	2.5%	1.6	1.9	0.90	120 (98.1) ^{vap}	79	120			
हे	(3 isomers)	6%	3.7	4.3	2.2	240 (235) ^{vap}	79	130			
	Pentachlorobenzene	1%	5.8	19	1.2	640 (43.0) ^{sol}	100	190			
		2.5%	12	30	3.1	770 (107) ^{sol}	100	190			
		6%	22	38	7.0	830	100	190			
		1%	1.8 (0.20) vap	4.1 (0.20) vap	0.47	110 (0.20) ^{vap}	16	30			
	Hexachlorobenzene	2.5%	3.3 (0.50) vap	5.7 (0.50) ^{vap}	1.1	120	16	30			
		6%	4.9	6.7 (1.2) vap	2.5	120	16	30			
_		1%	0.87 ^g	94	0.13 ^g	3,500	620	1,100			
	Chlorophenols	2.5%	2.0	150	0.30	4,000	620	1,100			
Chlorophenol	(4 congeners)	6%	4.5	210	0.70	4,300	620	1,100			
ğ		1%	0.22	27 (16.4) ^{vap}	3.0E-02	400	60	110			
Ē	Pentachlorophenol	2.5%	0.52	29	8.0E-02	400	60	120			
د		6%	1.2	31	0.19	400	60	120			
		1%	0.14	0.14	4.8	11	11,000	1,300			
	Carbon Disulphide	2.5%	0.29	0.29	10	22	11,000	1,900			
		6%	0.62	0.62	23	47	11,000	2,700			
ñ		1%	0.29	0.32	0.25	31	25	48			
Others	Hexachlorobutadiene	2.5%	0.7	0.78	0.61	66	25	50			
5		6%	1.6	1.8	1.4	120	25	51			
		1%	280	750	66	760 ^{dir} (31,000)	760 ^{dir} (11,000)	760 ^{dir} (8,600)			
	Phenol	2.5%	550	1,300	140	1,500 ^{dir} (35,000)	1,500 ^{dir} (11,000)	1,500 ^{dir} (9,700)			
		6%	1,100	2,300	280	3,200 ^{dir} (37,000)	3,200 ^{dir} (11,000)	3,200 ^{dir} (11,000)			

NOTES Sol⁷vap = solubility / vapour limit (potentially use if free product identified, although highly conservative). dir = S4uls based on threshold protective of direct skin contact with phenol (brackets long term exposure for illustration purposes). ⁹ = derived based on 2,3,4,6-tetrachlorophenol.

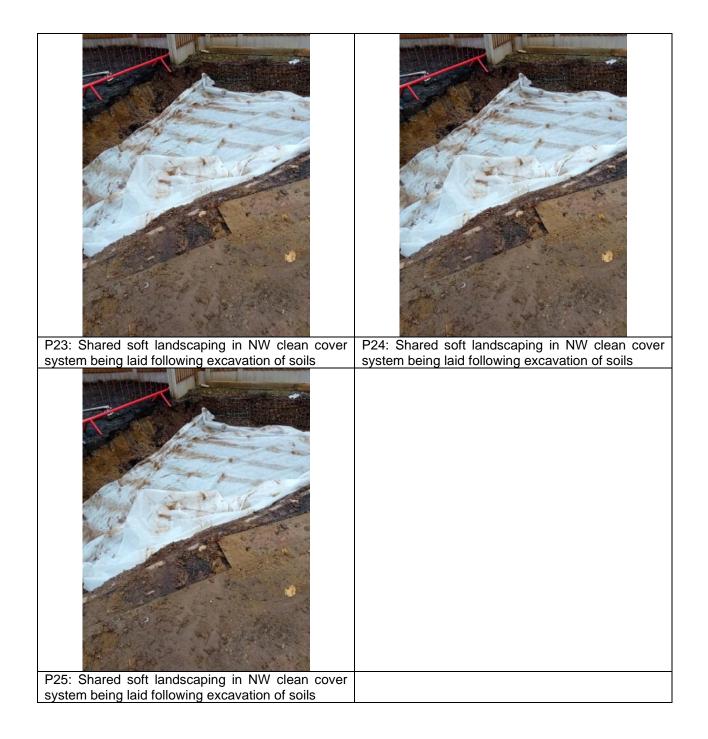
Appendix C – Photographs of Excavations







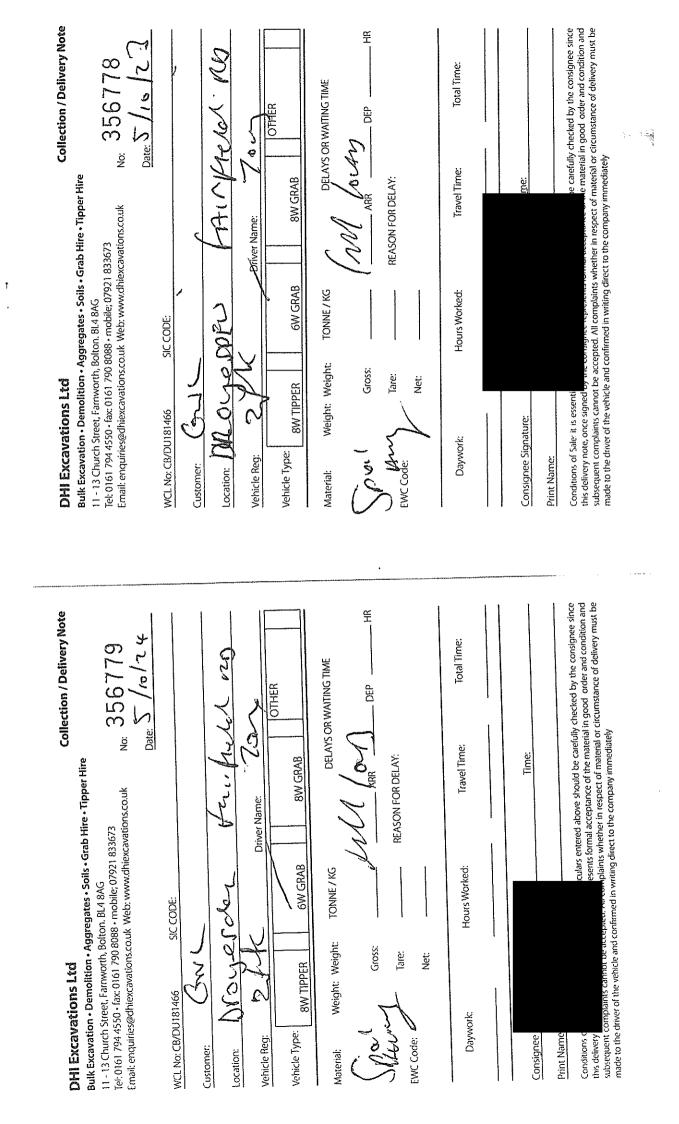




Appendix D – Waste Transfer Notes

Consignee Signature:	Time:	ork: Hours Worked: Travel Time: Total Time: Total Time: Total Time: Total Time: Total Time: Total Time:	DRoyerder Muther Mr. Marcher Muther M. D. 254 Driver Name: Tory	SIC CODE:	356772	Collection / Delivery N Rer Hire No: 356771 No: 356771 Date: 2, 2, 2, 2, 2, 2, 3, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,
Print Name:	Print Name:	Time: Print Name:	Wehicle Type: Wehicle Type: WWTIPER Weight: Met Tare: Tare: <td>Matrix Location Matrix Location <thlocation< th=""> <thlocation< th=""> <thlocation< th=""></thlocation<></thlocation<></thlocation<></td> <td>MCL Nor CERDUTISHAG SCCOE Nor SCCOE Nor Dever Name Nor Nor Nor Nor Nor Nor Nor Dever Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor <</td> <td>Print Name:</td>	Matrix Location Location <thlocation< th=""> <thlocation< th=""> <thlocation< th=""></thlocation<></thlocation<></thlocation<>	MCL Nor CERDUTISHAG SCCOE Nor SCCOE Nor Dever Name Nor Nor Nor Nor Nor Nor Nor Dever Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor <	Print Name:
Hours Worked: Travel Time: Total Time: Total Time: Daywork: Travel Time: Travel Time:	Hours Worked: Travel Time: Total Time: Daywork: Travel Time: Travel Time:		Wehicle Type: Wehicle Type: Wehicle Type: Wehicle Type: Wehicle Type: Weight: TONNE / KG	Material Location: Material: Material: Material: Material: Weight: Material: Weight: Weight: Material: Weight: Weight: Material: Weight: Weight: Material: Material: Weight: Material: Weight: Material: Weight: Material: Weight: Material: Weight: Material: M	SIC CODE: SIC CODE: SIC CODE: MCL No. CB/DU181466 SIC CODE: Customer: Cu	Provide Gross: How Control Dep Dep Inc. Reason FOR DELAY:
Model Model	Model Model	Motion Motion Motion Motion Motion Inc: Inc: Inc: Inc: Inc: Inc: Motion Inc: Inc: Inc: Inc: Inc:		Marchen	SIC CODE: WCL No: CB/DU181466 SIC CODE: WCL No: CB/DU181466 SIC CODE: UNIT Customer: WCL No: CB/DU181466 SIC CODE: VCL NO: CB/DU18	Weight: Weight: TONNE/KG

			teres
Collection / Delivery Note Hire	Date: 25/9/6	ARR DEP HR DEP HR DELAY: Travel Time: Total Time:	Consignee Signature Print Name: Conditions of Sale: it is Conditions of Sale: it is Conditions of Sale: it is Conditions of Sale: it is Condition and acceptance of the material in good order and condition and this delivery note, once signed by the consignee represents round acceptance of the material in good order and condition and this delivery note, once signed by the consignee represents round acceptance of the material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately
Hire • Tipper 573 ations.co.uk	Priver Name: Control Della	REASON FOR DELAY: Travel Tim	d above should lacceptance of her in respect of o the company is
 DHI Excavations Ltd Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire 11 - 13 Church Street, Farnworth, Bolton. BL4 8AG Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile: 07921 833673 Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile: 07921 833673 	SIC CODE:	Gross: Gross: RE Tare: RE Net: Hours Worked:	Consignee Signature Print Name: Conditions of Sale: it is Conditions of Sale: it is Conditions of Sale: it is conditions of Sale: it is subsequent complaints whether in respect of material or subsequent complaints cannot be accepted. All complaints whether in respect of material or made to the driver of the vehicle and confirmed in writing direct to the company immediately
DHI Excavations Ltd Bulk Excavation • Demolition • Aggregates • Sc at 1 - 13 Church Street, Famworth, Bolton, BL4 8AG 11 - 13 Church Street, Famworth, Bolton, BL4 8AG Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile: 0 Email: enquiries@dhiexcavations.co.uk Web: www	WCL No: CB/DU181466 Customer: GW C Location: DD DU P Vehicle Reg: ZU P Vehicle Type: 8W TIPPER Material: Weight: Weight:	Digi / Ewc code: Daywork:	Consignee Signature Print Name: Conditions of Sale: it Is this delivery note, once signe subsequent complaints cann made to the driver of the veh
	»»		
			CONVEYANCE NOTE
HURD CHES	IS PERKINS TRADING CO. LTD. DSFIELD ROAD, MACCLESFIELD, DHIRE SK10 1LT PHONE: 01625 413044 01625 611851 EMAIL: maccstonecent	567 re@travisperkins.co.uk	FORM B (WEIGHT) WHITE COPY : CUSTOMER YELLOW COPY : TRAVIS PERKINS BLUE COPY : TRAVIS PERKINS PINK COPY : DRIVER
Travis Perkins			LOADED AT BACIOUT
CONSIGNEE	GAIRFIELD RE		SITUATION OF NEAREST AVAILABLE WEIGHING INSTRUMENT TO PLACE WHERE VEHICLE WAS LOADED
ADDRESS OF PLACE OF DELIVERY	DROYLSDE		DATE WAITING TIME
ACCOUNT No. SITE	ORDER NUMBER		9-10-23 ON SITE :
		1206807	OFF SITE
	UARRY TICKET NO. TROULER	E AND TIME OF LOADING	SIGNATURE
GROSS WEIGHT OF VEHICLE AT WEIGHBRIDGE	31 86 DAT		A. 191-
TARE WEIGHT	12, 08 WEIGHT (IN WORDS) AN	E.G. LIN	
OF VEHICLE	10 -11	19 MC	TONS/TONNES 78 CWT/KILOS
IF (MALEDIAL)	PN72JWO DRIVER	R MCI	
EGD. No.			CO ENTIBELY ON THEIR OWN RISK.
WARNING CUSTC	MERS ORDERING VEHICLES OFF T	AS ORDERED BEF	SO ENTIRELY ON THEIR OWN RISK. ORE ACCEPTING DELIVERY
NB. PLEASE (
justomer Signature X			
Date:			
W MIT :			



DHI Excavations Ltd Bulk Excavation · Demolition · Aggregates · Solls · Grab Hire · Tipper Hire Bulk Excavation · Demolition · Aggregates · Solls · Grab Hire · Tipper Hire 11 - 13 Church Street, Farnworth, Bolton. BL4 8AG Tel: 0161 794 4550 · fax: 0161 790 8088 · mobile; 07921 833673 Fie: 01761 Fie: 0161 790 8088 · mobile; 07921 833673 Fie: 01761 Fie: 0161 790 8088 · mobile; 07921 833673 Fie: 01761 Fie: 0161 790 8088 · mobile; 07921 833673 Fie: 01761 Fie: 0161 790 8088 · mobile; 07921 833673 Fie: 01761 Fie: 0161 790 800 800 800 800 800 800 800 800 800 8	WCI. Nor. CB/DU181466 SC. CODE: Customer: Customer: Customer: Customer: Usericle Reg: Z V K Vehicle Type: BW TIPPER Material: Weight: Tonne: Conternet Material: Weight: Tonne: DELAYS OR WATING TIME Material: Material: Material: Weight: Tonne: DEP Material: Material: Material: Material: Material: Material: Material: Material: Tonne: DeP Material: Material: Material: Ma	Daywork: Hours Worked: Travel Time: Total Time:	Consignee Signature:	Conditions of Sale: it is e Conditions of Sale: it is e this delivery note, once s subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately
Annotation Collection / Delivery Note n.Demolition A Goldection / Delivery Note n.Street, Fartworth, Bolton. BL4 BAG Collection / Delivery Note n.Street, Fartworth, Bolton. BL4 BAG No. A 4550-fax: 0161 790 8088 + mobile; 07921 833673 No. Eh. A 4550-fax: 0161 790 8088 + mobile; 07921 833673 Eh. A 4550-fax: 0161 790 8088 + mobile; 07921 833673	Customer: M. M	Daywork: Hours Worked: Travel Time: Total Time:	Consignee Signatu Print Name:	Conditions of Sale: it is the consignee since this delivery note, one consignee since this delivery note, once and condition and subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately.

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DHI Excavations Ltd			Collection / Deliv
Bulk Excavation • Demolition • / 11 - 13 Church Street, Farnworth, f Tel: 0161 794 4550 • fax: 0161 790 Email: enquiries@dhiexcavations.c	3olton, BL4 8AG 8088 • mobile; 07923	833673	№ 356601
			Data 3/10/23
WCL No: CB/DU181466	SIC CODE:	·····	
Customer: GWL	^		
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Vehicle Reg: UZ63	22A	Driver Name:	tion
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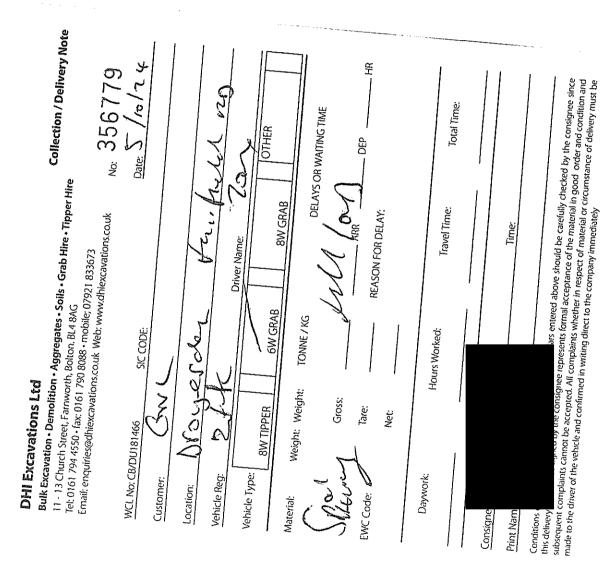
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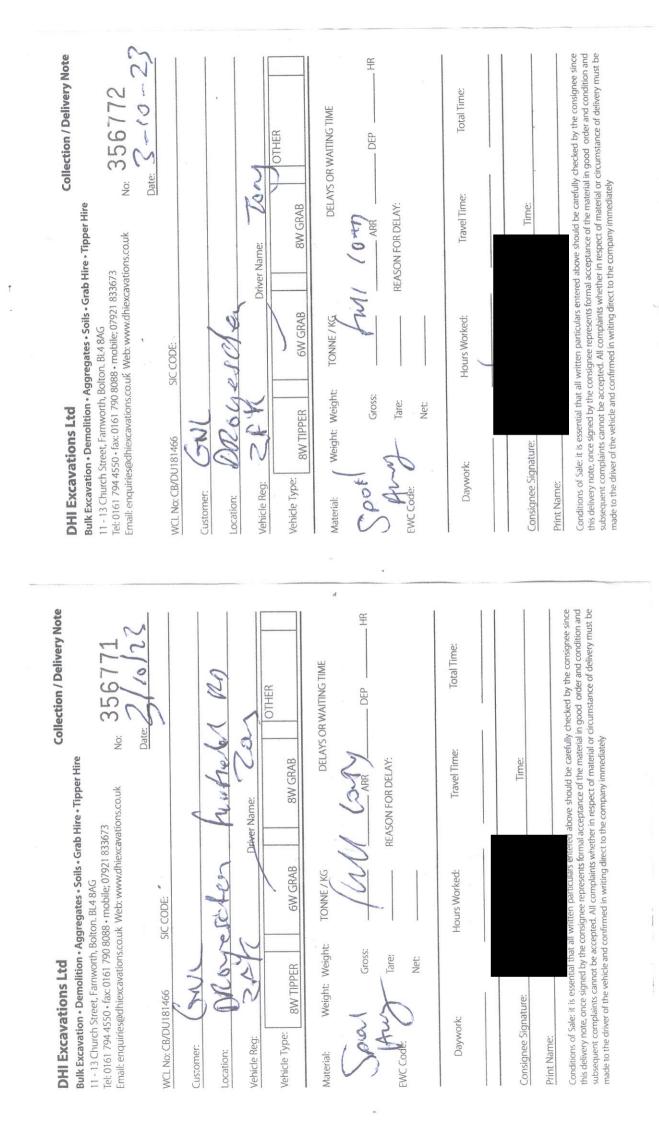
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DHI Excavations Bulk Excavation • Demoi 11 - 13 Church Street, Farn Tel: 0161 794 4550 • fax: 01 Email: enquiries@dhiexcav	lition • Aggregates • So worth, Bolton, BL4 8AG	p ils • Grab Hire • Tipper Hi l 7921 833673 :dhiexcavations.co.uk	Collection / Delivery Note re No: 356,761
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Customer: ON	<u>sic coue:</u>		
Location: DOPIN	lo el a		
Vehicle Reg: ZFK	ener	FAIS PIECE	1 20
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DHI Excavations Ltd

Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire **Collection / Delivery Note** 11 - 13 Church Street, Farnworth, Bolton. BL4 8AG Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile; 07921 833673 Email: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk Nn WCL No: CB/DU181466 Date SIC CODE: Customer: JL Location: Vehicle Reg: Driver Name: 1 1 Vehicle Type: OTHER **8W TIPPER** <u>6W</u>GRAB 8W GRAB Material: Weight: Weight: TONNE / KG DELAYS OR WAITING TIME Gross: ARR ೧೯೭ . HR Tare: EWC Code REASON FOR DELAY: Net: Daywork: Hours Worked: Travel Time: Total Time: Consignee Signature: Time: Print Name: Conditions of Sale: it is estimated of an written particulars entered above should be carefully checked by the consignee since this delivery note, once signed by the consignee represents formal acceptance of the material in good order and condition and

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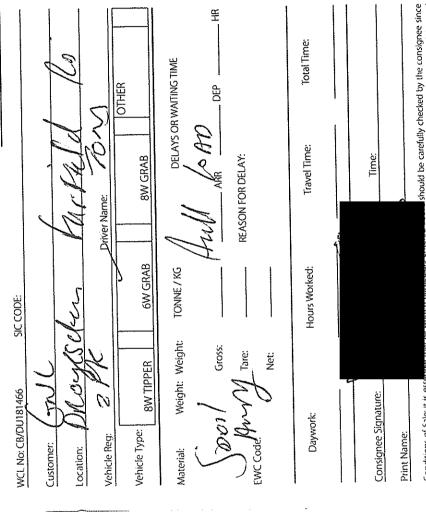
Collection / Delivery Note

Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire

Email: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk 11 - 13 Church Street, Farrworth, Bolton. BL4 8AG Tet: 0161 794 4550 - fax: 0161 790 8088 - mobile: 07921 833673

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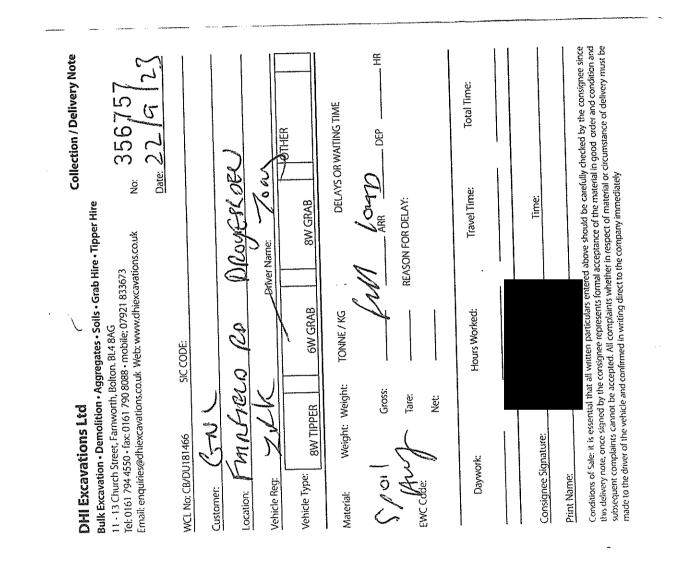
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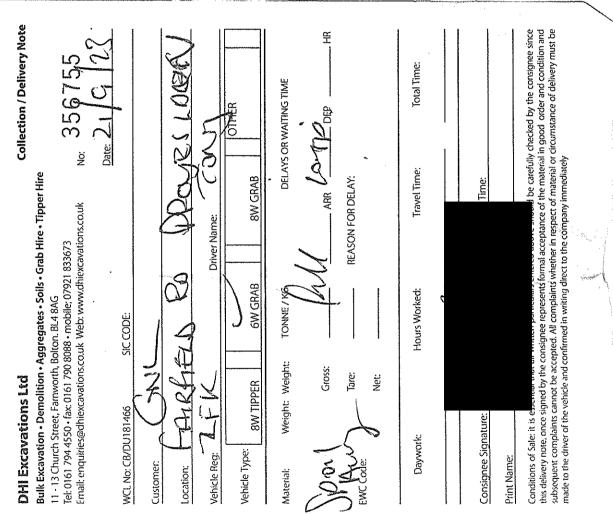
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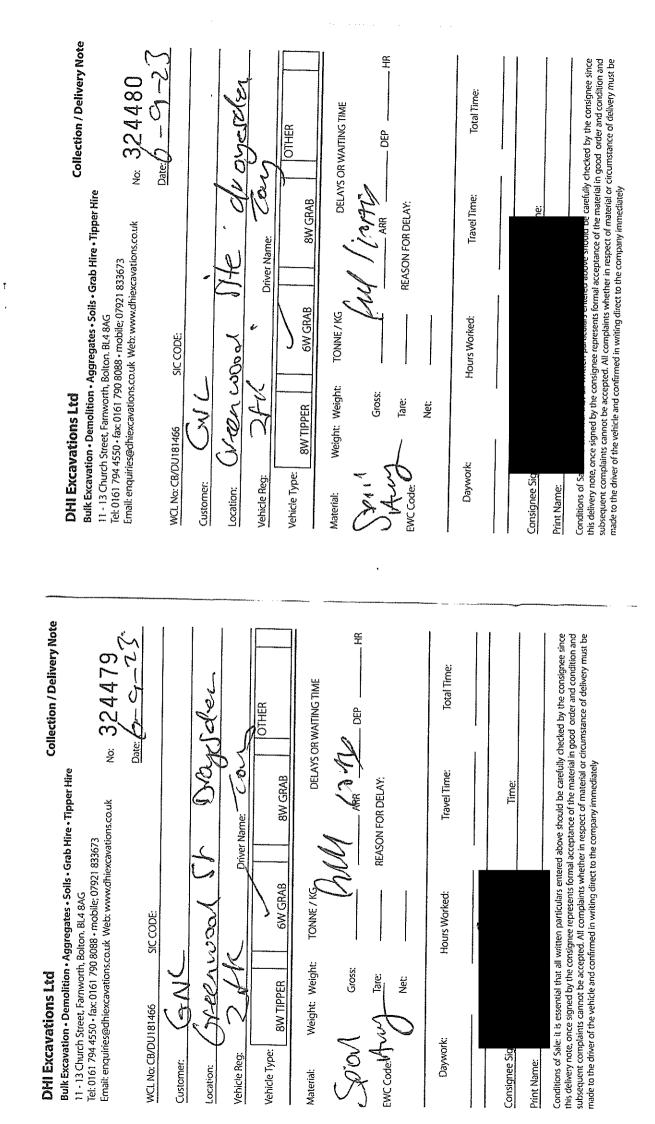


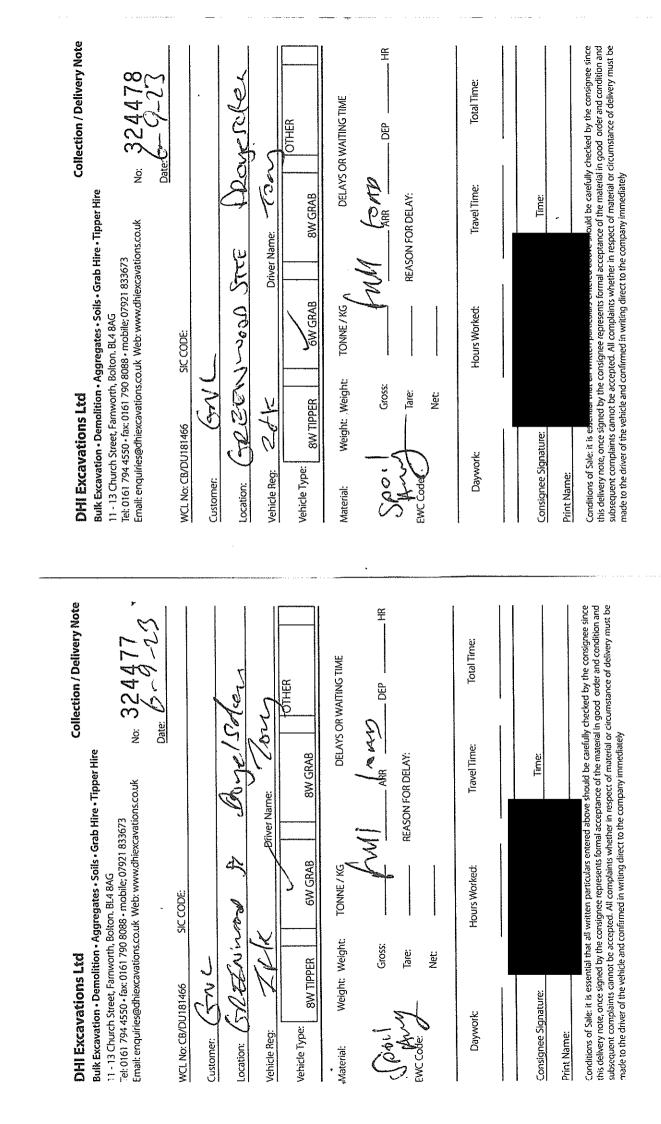
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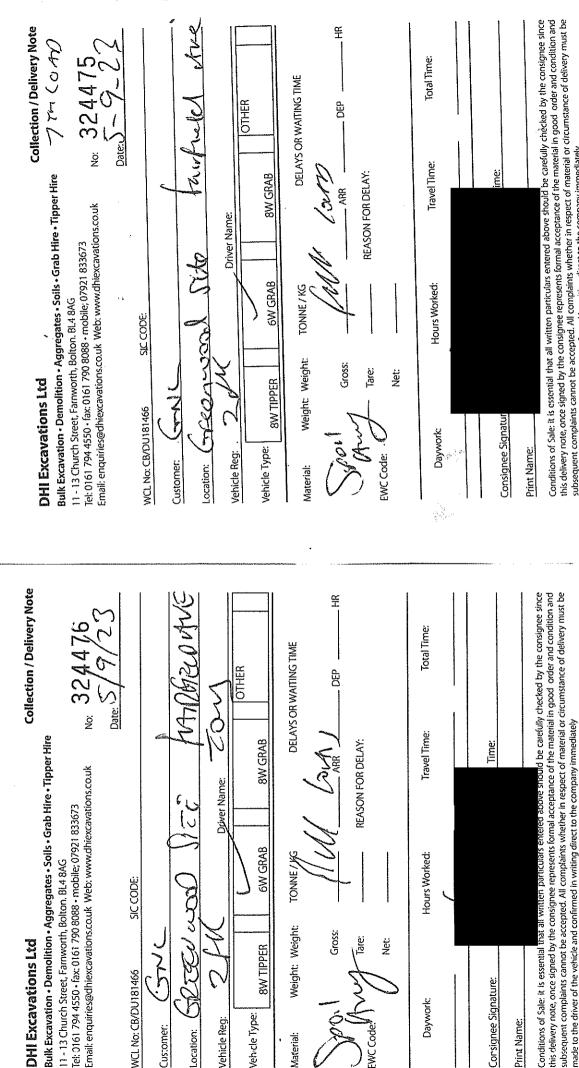


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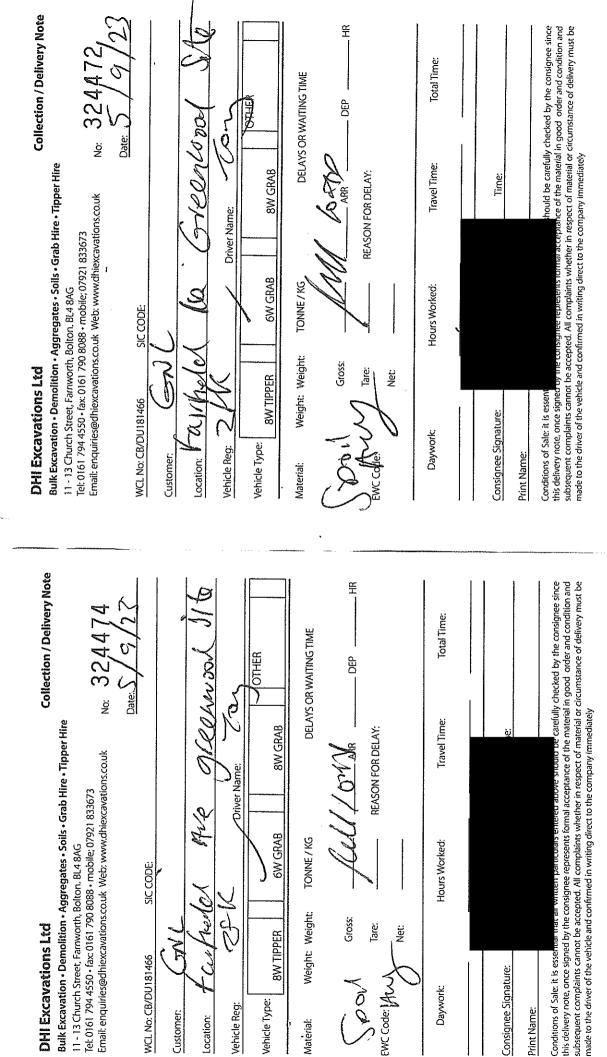






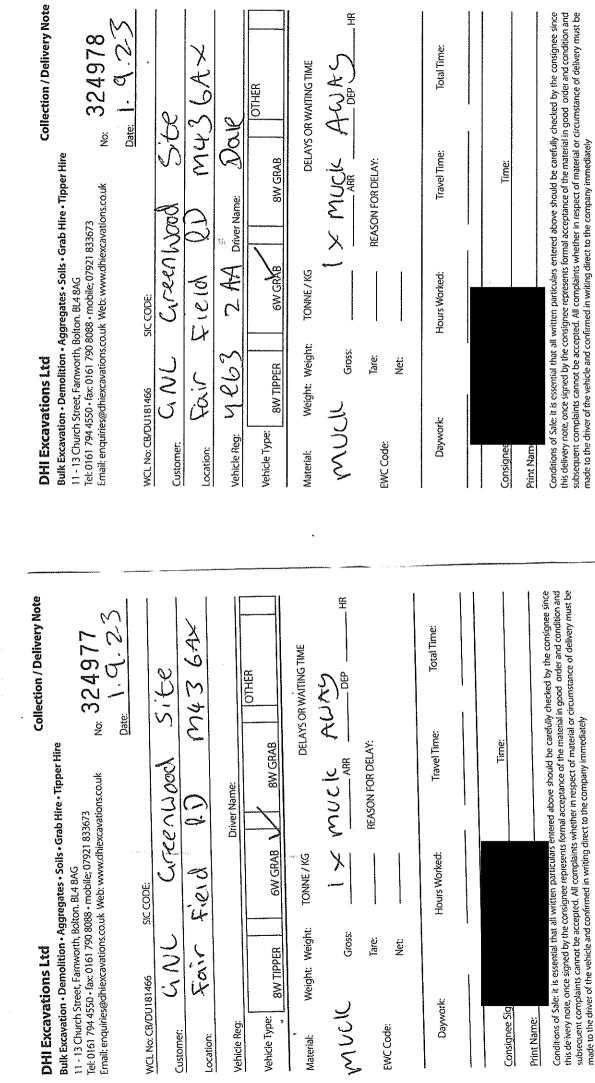
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DHI Excavations Ltd collection / Delivery Note Bulk Excavation • Demolition • Aggregates • Soils • Griab Hire • Tipper Hire Collection / Delivery Note 11 • 13 Church Street, Farnworth, Bolton. BL4 8AG Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile; 07921 833673 Finali: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk No: 240562	WCL No: CB/DU181466 SIC CODE: Customer: (5-N L Location: (5-Neerwood) Site four field and Date: 21-372.	129: 2-2 x L V L C C y C Driver Name: While Vancer	Material: Weight: Weight: TONNE/KG DELAYS OR WATING TIME Gross: / X LOR / M. Xel EWC Code: Tare:	Daywork: Hours Worked: Travel Time: Total Time:	Consignee 5 Print Name: Conditions of Sale: it is essential that all written particulars entered above should be carefully checked by the consignee since	we support note intervention of the consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately.
DHI Excavations Ltd Collection / Delivery Note Bulk Excavation · Demolition · Aggregates · Soils · Grab Hire · Tipper Hire Collection / Delivery Note 11 - 13 Church Street, Farnworth, Bolton. BL4 BAG No. 24,0563 Tel: 0161 794 4550 · fax: 0161 790 8088 · mobile; 07921 833673 No. 24,0563 Email: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk Date: 30' S' S' S'	site faute	Ż be	Witchsonronder	Daywork: Hours Worked: Travel Time: Total Time:	Consignee Sig Print Nome: Conditions of Sale: it is essential that all written particulars entered above should be carefully checked by the consignee since this delivery note, once signed by the consignee representation and acceptance of the material in good order and condition and	subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately

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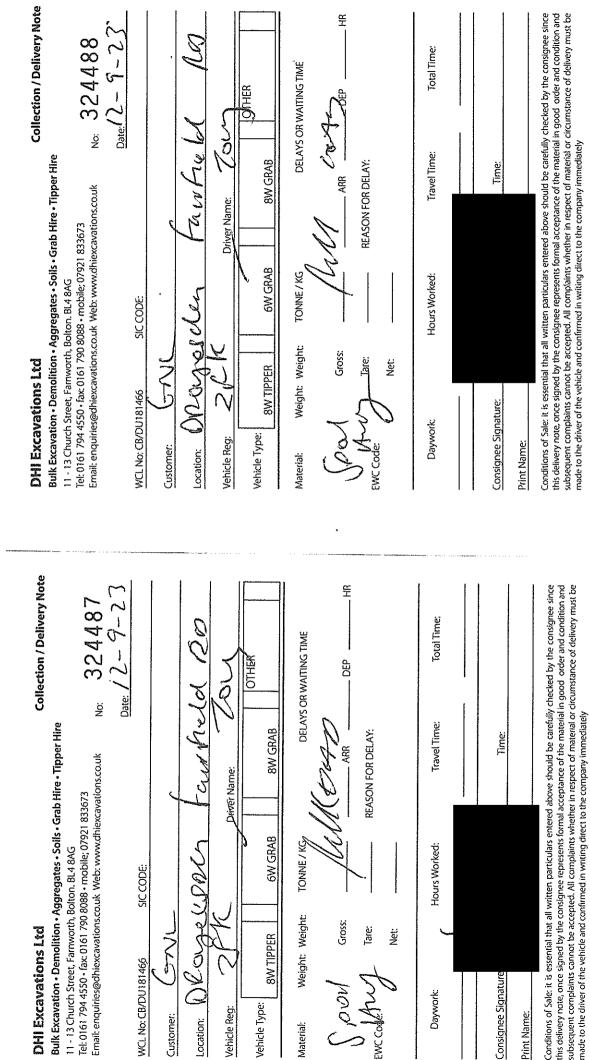
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jates • Soils • Grab Hire • Tipper Hire BL4 8AG mobile: 07921 833673 Veb: www.dhiexcavations.co.uk	SIC CODE: CALA ALA EW GRAB EW GRAB EW GRAB BW GRAB BW GRAB REASON FOR DELAY: REASON FOR DELAY: REA	Consign Print Na Print Na Conditions of Sale: it is essential that an written part and alars entered above should be carefully this delivery note, once signed by the consignee represents formal acceptance of the material or this delivery note, once signed by the consignee represents formal acceptance of the material or this delivery note, once fragments and confirmed in writing direct to the company immediately
DHI Excavations Ltd Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire 11 - 13 Church Street, Farnworth, Bolton. BL4 8AG Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile: 07921 833673 Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile: 07921 833673	WCL No: CB/DU181466 SIC C Customer: Location: Vehicle Reg: Vehicle Reg: Weight: Weight: Material: Weight: Weight: EWC Code: Net: Daywork: Daywork:	Consign Print Na Conditions of Sale: it is essential unat an Conditions of Sale: it is essential unat an conditions of Sale: of the segment by the co this delivery note, once signed by the co subsequent complaints cannot be acc

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DHI Excavations Ltd Collection / Delivery Note Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire Collection / Delivery Note 11 - 13 Church Street, Farnworth, Boltcn. BL4 8AG No: 3244550 • fax: 0161 794 4550 • fax: 0161 790 8088 • mobile; 07921 833673 Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile; 07921 833673 No: 324485 Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile; 07921 833673 No: 324485 Wcl. No: CB/DU181466 SIC CODE:	Customer: Control Cont	Daywork: Hours Worked: Travel Time: Total Time: Consignee Sig Consignee Sig Time: Time: Conditions of Signee Sig Time: Time: Time: Print Name: above should be carefully checked by the consignee since this delivery must be the accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confittion and subsequent complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confittion and subsequent complaints.
DHI Excavations Ltd collection / Delivery Note Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire collection / Delivery Note 11 - 13 Church Street, Farrworth, Bolton. BL4 8AG no. 324486 Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile; 07921 833673 no. 324486 Tel: 0161 requiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk no. 324486	WCL No: CB/DU181466 SIC CODE: Customer: Control Location: Customer March Marc	Daywork: Hours Worked: Travel Time: Total Time: Consignee Signat Time: Time: Time: Consignee Signat Time: Time: Time: Print Name: Time: Time: Time: Conditions of Sale: I Time: Time: Time: Conditions of Sale: I Time: Time: Time: Conditions of Sale: I Time: Time: Time: Mathematic in good order and consignee is the state of the material in good order and condition and subsequent complaints whether in respect of material or circumstance of delivery must be made to the whicle and confirmed in writing direct to the company immediately

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Collection / Delivery Note

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DHI Excavations Ltd Sulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire Sulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire Sulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire Sulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire 1 - 13 Church Street, Farnworth, Bolton. BL4 8AG 11 - 13 Church Street, Farnworth, Bolton. BL4 8AG Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile; 07921 833673 No: 324499 Image: Image	
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DHI Excavations Ltd Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tippe 11 - 13 Church Street, Farnworth, Bolton. BL4 8AG Tel: 0161 794 4550 • fax: 0161 790 808 • mobile; 07921 833673 Femail: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk	WCL No: CB/DU181466 SIC CODE: Customer: Con	HR HR Gross: EWC Code: Met: Ne:	: Daywork: Hours Worked:	Consignee Sig gnee since Adition and ery must be subsequent compaints cannot be accepted. All complaints whether in respect of made to the driver of the vehicle and confirmed in writing direct to the company in
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Collection / Delivery Note

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No: 356661 Date: 20/11/23 Grab Hire • Tipper Hire

Joylsder Mille Have OTHER **8W GRAB** Driver Name: ineet

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Based across the UK with offices in Manchester, London, Liverpool, Swindon and Glasgow.

Manchester (Head Office)

Unit 29 Eton Business Park Eton Hill Rd, Radcliffe M26 2ZS

t: 0161 763 7200 e: info@thelkgroup.com

Glasgow

Wright Business Centre 1 Lonmay Road Glasgow G33 4EL

t: 0141 773 6269 e: info@thelkgroup.com

Swindon

39 Bowman House Business Centre Bowman Court Whitehill Lane Royal Wootton Bassett Swindon SN4 7DB

t : 01793 987 390 e : info@thelkgroup.com

Liverpool

The Corn Exchange Fenwick Street Liverpool L2 7QL

t: 0151 235 8716 e: info@thelkgroup.com

London

Brooklands Business Park Wellington Way Weybridge KT13 0TT

t: 01932 871872 e: info@thelkgroup.com

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- Invasive Species
- Land Remediation
- Project Management
- Land Drilling

