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Higgins Partnerships

Post Remediation Verification Investigation

Land north of St Andrews Road
St Andrews Park
Uxbridge
UB10 0RX

Report No: 18.11.002c
May 2023

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DOCUMENT RECORD

Report Title	Post Remediation Verification Report
Development	New Assisted Living Apartments Development
Project Address	Land north of St Andrews Road, St Andrews Park, Uxbridge, UB10 0RX
Project Number	18.11.002c
Client	Higgins Partnership

	Signature	**Name and Qualifications**
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Checked & Approved By:		**Ian Evetts** **Managing Director** HNC, MSc, FGS, CGeol, RoGEP

For and on behalf of ListersGeo, trading name of Listers Geotechnical Consultants Ltd

Issue No	**Date**	**Status**
1	16th May 2023	Draft Report
2	17th May 2023	Final Report

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POST REMEDIATION VERIFICATION INVESTIGATION

INTRODUCTION

A Post Remediation Verification investigation has been undertaken as part of the development of a block of assisted living apartments on land to the north of St Andrews Road, St Andrews Park Uxbridge, UB10 0RX. A Site Location Plan is provided in Appendix A. The Ordnance Survey National Grid reference for the approximate centre of the site is 506133, 183968.

Instructions to undertake the investigation were received from our client, Higgins Partnership.

This report describes the site activities carried out by ListersGeo in order to provide verification of the remedial measures undertaken at the development.

A Ground Investigation report was previously prepared by ListersGeo, number 18.11.002, dated February 2019. ListersGeo also prepared a Remedial Strategy under report number 18.11.002a, dated April 2020. Supplementary waste classification testing was undertaken by ListersGeo under report reference 18.11.002b dated June 2020. The findings of the supplementary waste classification testing are not considered to impact on the Remediation Strategy. Therefore, the Remediation strategy was not updated following the completion of the supplementary waste classification testing.

This current report should be read in conjunction with the previous reports for full details of the investigations undertaken at the site.

This report has been prepared for the sole use of the client and their professional advisors. This report shall not be relied upon by third parties without the express written authority of ListersGeo. If an unauthorised third party comes into possession of this report they must not rely on it and the authors owe them no duty of care and skill.

SITE INFORMATION

The site has recently been redeveloped to accommodate a part four-storey to part eight-storey assisted living apartments, to include a partial basement and with associated car parking and grassed soft landscaped areas. A development site layout plan is provided in Appendix A.

Geology

During the previous investigations between 0.5m and 2.7m, but typically less than 1.0m, of Made Ground was encountered on the site. Made Ground generally comprised a sandy gravelly clay, silty clayey sandy gravel, and silty clayey gravelly sand with gravel of quartz, flint, brick, ash and fragments of clinker, concrete, metal, roadstone and occasional brick cobbles.

Following demolition of the former buildings, up to 2.0m of crushed arisings were recorded to have been used to infill voids left during demolition. Further earthworks raised site levels by up to a maximum of 0.91m above original ground levels.

Beneath the Made Ground locally Alluvium was encountered close to the centre of the southern site boundary in a thickness of 1.6m and comprised soft brown orange brown mottled silty clay, clayey sandy silt and sandy gravelly clay with gravel of flint and occasional organic traces.

Black Park Gravel, River Terrace Deposits, were recorded at two locations underlying the Made Ground at 1.30m and 2.0m below the original ground level with the base of the deposits not encountered. No information is provided on where these deposits were encountered within the historical reports but geological mapping suggests that they are most likely to be encountered towards the northwest of the site. However, Alluvium and River Terrace Deposits were not encountered during the site investigation undertaken by ListersGeo.

Beneath the Made Ground and Superficial Deposits, the London Clay Formation was encountered from depths of between 0.6m and 2.30m and extended to beyond the base of the investigation at 25.45m bgl.

The London Clay Formation and is generally represented by a brown locally mottled grey clay locally silty, and locally with selenite crystals, mudstone and siltstone lithorelicts and shell debris. At the top of the formation the London Clay is generally soft or firm slightly sandy and slightly gravelly with gravel of flint.

VERIFICATION SCOPE

This report covers the verification of the remedial measures undertaken for across the site, outside the area of the tree protection zones (in the north of the site) which have a root protection zone in place, which prevents digging and/or site levels being raised.

Our report relates to soil remediation verification only.

PREVIOUS WORK

Whilst no significantly elevated concentrations of contaminants were identified during the Investigation undertaken by ListersGeo, a Land Quality Statement (LQS) was previously undertaken by Atkins, report number 5105977-UXB-OUT-0979 dated July 2018. The Atkins LQS recommended that a 300mm thick, clean soil cover system should be placed over marker membrane above the Made Ground. The cover system should include at least 150mm of Topsoil. The cover system was noted to be created by either raising site levels or removing some of the soil to create the cover depth required. Remedial measures were noted to apply to the soft landscaped areas at this site, or any areas of gardens, if present. A proposed development plan is Appended to this report.

Imported material should be certified ‘clean’ by an environmental engineer prior to placement.

Remedial measures were required to protect the future end users of the site.

There were considered to be no significant risks to controlled waters for this site.

There were considered to be no requirements for gas protection measures for this development (Characteristic Situation (CS) 1).

PROPOSED REMEDIAL MEASURES

It was recommended that a 300mm layer of clean soil capping should be provided in soft landscaped areas, and gardens, if present, with a membrane at the base, overlying the Made Ground.

Any new soil imported to the site should have been tested for a range of contaminants. The levels of these contaminants should not exceed the appropriate GACs for the site and the chemical testing certificate from the supplier would be provided for approval.

Further testing on the imported soils, if required, would be undertaken at a frequency of approximately one sample of topsoil or subsoil for each of the two proposed houses and approximately one sample per $50m^3$ for any additional soft landscaping for the residential flat. This is in accordance with NHBC Standards Technical Extra, Issue 08, November 2012.

The remedial measures would be independently verified once completed and a completion report produced.

The remedial measures were detailed in the Remedial Strategy document, number 18.11.002a, dated April 2020 and were approved by Hillingdon Council.

REMEDIATION IMPLEMENTATION

REDUCED LEVELS

Once building work was completed at the site, and during the site strip, the soil in the landscaped areas was excavated so that a depth of approximately 300mm existed to finished ground levels.

Waste transfer notes have not been provided for the removed soil by Higgins.

DISCOVERY STRATEGY

It is not known if a Discovery Strategy was implemented throughout the groundworks.

IMPORTED TOPSOIL

The Imported Topsoil was accompanied by a certificate of chemical testing from the supplier, Springbridge Direct with laboratory testing undertaken by Eurofins Chemtest Ltd. The testing result is provided in Appendix C.

Delivery notes for the Imported Topsoil delivered by Thames Materials Limited on the 11th and 14th October 2022, 4th February and 4th April 2023 have been retained by Higgins and are provided in Appendix D.

It is understood that around 79 tonnes of Topsoil has been imported. The testing results provided are only for one sample and are dated from June 2022. Therefore, additional testing has been undertaken by ListersGeo on an additional eight samples.

COVER SYSTEM CHEMICAL VALIDATION

SOIL TESTING

Samples of the Imported Topsoil were collected by ListersGeo during the site visit on the 27th October 2022 and 20th February 2023.

The Imported Topsoil had been tested at the supplier's depot, but in accordance with best practice, samples were sent for confirmatory chemical testing for a wide range of contaminants.

The test suite included:

Metals/metalloids	Arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc
Organics	Speciated Polycyclic Aromatic Hydrocarbons (PAH) Total Petroleum Hydrocarbons (TPH) with Aliphatic/Aromatic split or Extractable and Volatile Petroleum Hydrocarbons (EPH/VPH) with Aliphatic-Aromatic split Benzene, Toluene, Ethylbenzene and Xylene (BTEX)
Other	Sulphates Asbestos
Quality	pH Total organic carbon (TOC)

The results of the tests from the supplier and this investigation are included in Appendix C.

HUMAN HEALTH RISK ASSESSMENT

The human health risk assessment has been undertaken using the guidance provided in the Environment Agency's guidance Land Contamination: Risk Management published in 2020.

The proposed site development plan for the site shows multi-storey assisted living apartments with limited areas of soft-landscaping. The proposed soft landscaping is shown to be grassed with trees and shrubs with no obvious areas of flower beds, or exposed soil.

The proposed residents and workers are considered to spend limited periods of time outside and unlikely to come into direct contact with the soil.

Human health assessment criteria used are based upon the proposed final land use of the site. Therefore, the guidelines for 'Residential without homegrown produce' end use have been used.

Soil Assessment Criteria

The results of the chemical testing have been compared to the Category 4 Screening Levels (C4SLs) published in March 2014 by DEFRA and the Suitable 4 Use Levels (S4ULs) produced by Land Quality Management (LQM) and the Chartered Institute of Environmental Health (CIEH) in 2015.

A soil organic matter (SOM) content of 1% was used for conservatism.

RESULTS OF TOTAL SOIL TESTS

The results of the testing for the Imported Topsoil from Springfield Direct recorded levels of all contaminants tested for well below the acceptable levels for a 'Residential without home-grown produce' end use.

No asbestos was detected in the soil samples by the chemical testing laboratory. No suspected asbestos was observed during the fieldwork.

COVER SYSTEM THICKNESS VERIFICATION

GENERAL

A site visit was undertaken by ListersGeo on the 27th October 2022, 20th February, 20th April and 25th April 2023 to verify the thickness of the remedial capping layer in the landscaped areas. Trial holes were excavated using hand digging tools and/or a hand auger down to a maximum depth of 0.45m. The logs are presented in Appendix A together with an Exploratory Hole Location Plan.

During the visit on the 27th October, only the area in the northeast of the site around HA1001and HA1002 were ready to be remediated. The holes encountered 0.33m of Topsoil over a white membrane at the base and hence complied with the remediation strategy (subject to chemical testing).

Topsoil comprised dark brown to black, slightly organic, slightly gravelly, slightly sandy clay. Gravel is fine to medium sub-rounded of flint and wood fragments.

The site was revisited on 20th February to verify the thickness and composition of the cover system in the remaining areas of the site. During this visit, hand augers HA1003 to HA1011 were put down. The area around HA1008 could not be verified as the soils had not been placed in this area.

At HA1003 to HA1011, the Topsoil was between 0.15m and 0.30m thick, however, the membrane was absent from the base and hand auger boreholes penetrated straight into the underlying Made Ground. The cover system in these areas therefore did not meet the requirements of the remediation strategy. The contractor was therefore instructed to carefully remove the placed Topsoil (to prevent mixing with the underlying Made Ground), stockpile the soil, place a membrane at the base of the excavation and then place the Topsoil back over the membrane.

The site was revisited on the 20th April and hand auger boreholes, HA1012 to HA1020 were put down on the site. During this visit, the membrane was encountered below 300mm of Topsoil in HA1014 to HA1017 but not in HA1012 or, HA1013 (in the northwest) and HA1018, HA1019 or HA1020 (in the northeast of the site). The contractor was again requested to remove the Topsoil, place the membrane and then replace the Topsoil.

The site was revisited on the 25th April and H1012a, HA1013a and HA1018a to HA1020a were excavated close to the location of the previous boreholes. A membrane was encountered beneath 300mm of Topsoil (Dark brown, slightly organic, slightly sandy, slightly gravelly clay. Gravel is fine to medium sub-angular of flint and small twigs).

It was therefore considered from our borehole records that a 300mm thick layer of Topsoil over a marker membrane is generally present beneath areas of soft landscaping on the site.

CONCLUSIONS

The depth of the Imported Topsoil has been verified to be at least the required thickness in the areas of soft landscaping, outside of the tree protection zone. A membrane was also introduced above the Made Ground as required and testing has demonstrated the Topsoil to be chemically suitable for this residential end use.

Thus, it is considered that for this development, the clean soil cover system has been successfully implemented at the site.

This report should be approved by the relevant regulatory authorities as soon as possible.

REFERENCES

1. British Standards Institution (BSI), Site Investigations: Code of Practice, BS 5930:2015+A1:2020, 2020.
2. BSI, Investigation of Potentially Contaminated Sites: Code of Practice, BS 10175:2011+A2:2017, 2017.
3. Environment Agency (EA), Land contamination: risk management, *https://www.gov.uk/guidance/land-contamination-how-to-manage-the-risks*, LCRM, 2020.
4. NHBC, NHBC Standards, Chapter 4.1 Land Quality – Managing Ground Conditions, 2020.
5. Association of Geotechnical and Geoenvironmental Specialists (AGS), Site Investigation Asbestos Risk Assessment, AGS Interim Guidance, 2013.
6. CIRIA, Asbestos in soil and made ground: good practice site guide, C765, 2017.
7. BRE 465, Cover Thickness Design for Regeneration, 2004.
8. Department for Environment, Food and Rural Affairs (DEFRA), SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Policy Companion Document, 2014.
9. Land Quality Management (LQM), The LQM/CIEH S4ULs for Human Health Risk Assessment, S4UL3032, 2015
10. BSI, Guidance on investigations for ground gases – Permanent gases and Volatile Organic Compounds (VOCs), BS 8576:2013, 2013.
11. BSI, Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings, BS 8485:2015+A1:2019, 2019

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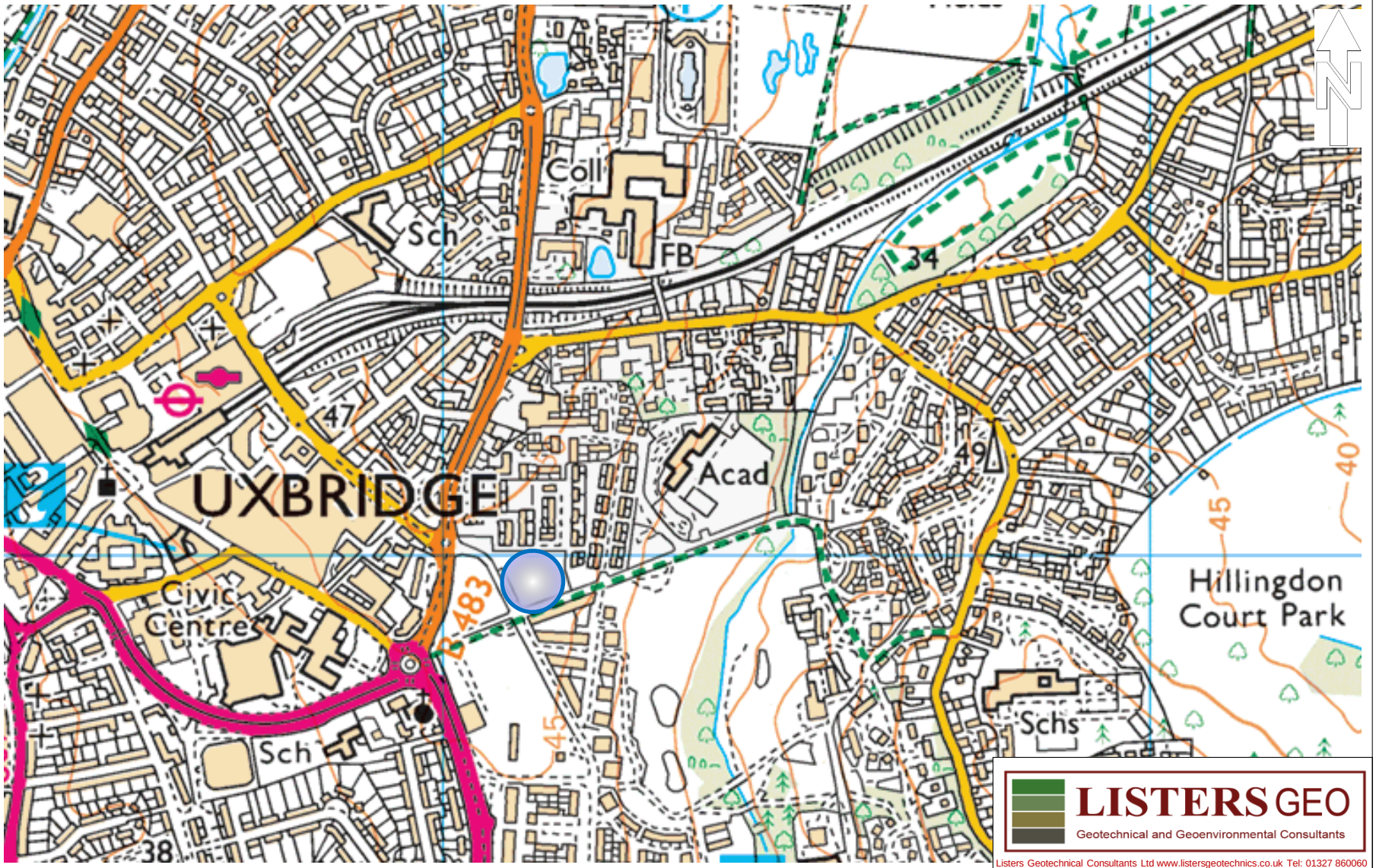
APPENDIX A
PLANS



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Listers Geotechnical Consultants Ltd www.listersgeotechnics.co.uk Tel: 01327 860060

Title: Site Location Plan

Key:

Approximate site location

Site: St Andrews Park, Uxbridge UB10 0RX

Scale: NTS	Job Number: 18.11.002c	Drawn By: CS

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Listers Geotechnical Consultants Ltd www.listersgeotechnics.co.uk Tel: 01327 860060

Title: Exploratory Hole Location Plan - Proposed Site Layout

Site: Anchor, St Andrews Park, Uxbridge, UB10 0RX

Plans extracted from a drawing provided by Portus + Whitton Landscape Architects, project no 1605, Prefix L, Revision N, Dated January 2019

Scale: NTS | Job Number: 18.11.002c | Drawn By: AJ

Showing the completed areas of landscaping to the northwest of the building and looking along the western site boundary

Showing the thickness of the topsoil cover and the presence of the white membrane at the base.

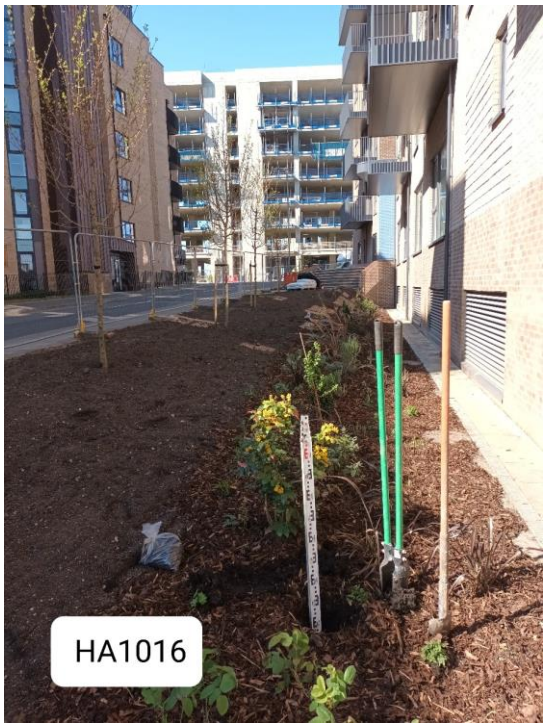
Showing the finished cover system in the area of HA1014.

Showing the cover system in HA1014.

Site Photographs

October 2022 to April 2023

Report: 18.11.002c



Showing the cover system in the area of HA1016.

Showing the general completed cover system to the northwest of the eastern part of the building.

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APPENDIX B
FIELDWORK AND PHOTOGRAPHS

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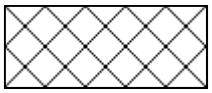
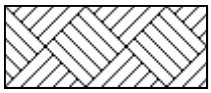
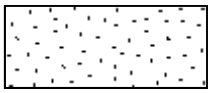
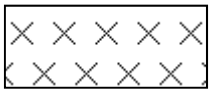
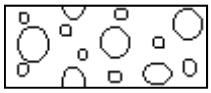
LEGEND - Soils

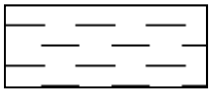

Made Ground

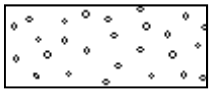

Topsoil

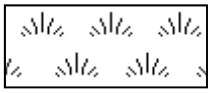

Sand


Silt

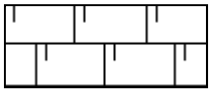

Boulders and Cobbles

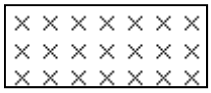

Clay

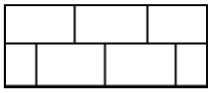

Gravel

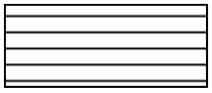

Peat

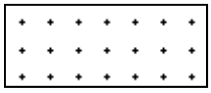
LEGEND - Rocks (Sedimentary)


Chalk


Siltstone


Limestone


Mudstone


Sandstone


Coal


Conglomerate


Breccia

LOG ABREVIATIONS

W	Water Sample	▽	Water Strike
B	Bulk Sample	▼	Water (Standing Level)
D	Disturbed Sample	PP	Pocket Penetrometer
J	Jar Sample	HV	Hand Vane
U	Undisturbed Sample	SPT	Standard Penetration Test
(No. of blows shown in brackets for U100 samples)		CPT	Cone Penetration Test
WAC	Waste Acceptance Criteria Sample	CBR	California Bearing Ratio
		*	Extrapolated Value

Pocket penetrometer testing provides values of unconfined compressive strength. The results have been converted to an approximate equivalent shear strength which should be used with due circumspection. As the pocket penetrometer tends to overestimate shear strength, we have used an appropriate reduction factor.

LOG KEY

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Hand Auger Log

Borehole No.
HA 1001

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 27/10/2022

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
	0.20	D		0.33			TOPSOIL Dark brown black slightly organic slightly gravelly slightly sandy CLAY with a white membrane at the base. Gravel is fine to medium sub-rounded of flint and wood	1
							End of Borehole at 0.33m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.30m (w) x 0.30m (l) x 0.33m (d)

Remarks:

ISO 9001 REGISTERED FIRM

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Hand Auger Log

Borehole No.
HA 1002

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 27/10/2022

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
	0.20	D		0.33			TOPSOIL Dark brown black slightly organic slightly gravelly slightly sandy CLAY with a white membrane at the base. Gravel is fine to medium sub-rounded of flint and wood	1
							End of Borehole at 0.33m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.30m (w) X 0.33m (l) x 0.33m (d)

Remarks:

ISO 9001 REGISTERED FIRM

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Hand Auger Log

Borehole No.
HA 1003

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
	0.25	D		0.20			TOPSOIL Dark brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular flint and small twigs	1
				0.30			MADE GROUND Soft brown slightly sandy slightly gravelly CLAY. Gravel is sub-angular to sub-rounded of brick and flint End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

ISO 9001 REGISTERED FIRM

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Hand Auger Log

Borehole No.
HA 1004

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
							TOPSOIL Dark brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular flint and small twigs	
				0.25				
	0.30	D		0.30			MADE GROUND Soft light brown slightly sandy slightly gravelly CLAY over discarded sub-angular to sub-rounded fine to medium cement brick and flint	
							End of Borehole at 0.30m	1
								2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1005

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
	0.30	D		0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs	
				0.40			MADE GROUND Soft dark brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of brick, sandstone and flint	
							End of Borehole at 0.40m	1
								2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.40m (d)

Remarks:

ISO 9001 REGISTERED FIRM

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Geotechnical and Geoenvironmental Consultants

Hand Auger Log

Borehole No.
HA 1006

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth (m)	Type	Result				
	0.30	D		0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs
				0.40			MADE GROUND Soft brown slightly sandy gravelly CLAY. Gravel is fine to medium sub-angular to sub-rounded of flint and brick End of Borehole at 0.40m

1

2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.40m (d)

Remarks:

ISO 9001 REGISTERED FIRM

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Hand Auger Log

Borehole No.
HA 1007

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
							TOPSOIL Dark brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular flint and small twigs	
				0.20				
	0.30	D					MADE GROUND Soft brown slightly sandy slightly gravelly CLAY with a medium cobble content. Gravel and cobbles are angular to sub-angular of firm brick and root fragments	
				0.40			End of Borehole at 0.40m	
								1
								2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.40m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1009

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
	0.10	D					TOPSOIL Dark brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular flint and small twigs	
				0.20			MADE GROUND Soft light brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub-angular of sandstone, flint and root fragments. *-small shrub rooted at 0.40m*	
	0.30	D						
				0.45			End of Borehole at 0.45m	1
								2

Method of excavation: Hand Tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.45m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1010

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
	0.10	D		0.15			TOSPOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs	
	0.30	D		0.45			MADE GROUND Light brown soft slightly sandy slightly gravelly CLAY with a medium cobble content. Gravel and cobbles are angular to sub-angular of sandstone, brick and flint	1
							End of Borehole at 0.45m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.45m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1011

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/02/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth (m)	Type	Result				
	0.15	D		0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs
							End of Borehole at 0.30m

1

2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: Not encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1012

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth (m)	Type	Result				
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs
							End of Borehole at 0.30m

1

2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30 (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1012a

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 25/04/2023

Project Number:
18.11.002c

Logged By:
Adam Jones
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with a white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1013

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number:
18.11.002c

Logged By:
Adam Jones
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30 (d)

Remarks:

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Geotechnical and Geoenvironmental Consultants

Hand Auger Log

Borehole No.
HA 1013a

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 25/04/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1014

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number:
18.11.002c

Logged By:
Adam Jones
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with a white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1015

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number:
18.11.002c

Logged By:
Adam Jones
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with a white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1016

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with a white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1017

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.26			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with a white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.26m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.26m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1018

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number:
18.11.002c

Logged By:
Adam Jones
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth (m)	Type	Result				
				0.32			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs
							End of Borehole at 0.32m

1

2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.32m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1018a

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 25/04/2023

Project Number:
18.11.002c

Logged By:
Adam Jones
to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.32			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with a white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.32m	2

Method of excavation: Hand tool

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.32m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1019

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth (m)	Type	Result				
				0.28			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs
							End of Borehole at 0.28m

1

2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.28m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1020

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 20/04/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth (m)	Type	Result				
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY. Gravel is fine to medium sub-angular of flint and small twigs
							End of Borehole at 0.30m

1

2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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Hand Auger Log

Borehole No.
HA 1020a

Project Location: Land North of St Andrews Road, Uxbridge, UB10 0RX

Co-ords:

Level:

Dates: 25/04/2023

Project Number: 18.11.002c

Logged By: Adam Jones to BS 5930:2015

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Result					
				0.30			TOPSOIL Dark brown slightly organic slightly sandy slightly gravelly CLAY with a white membrane at the base. Gravel is fine to medium sub-angular of flint and small twigs	1
							End of Borehole at 0.30m	2

Method of excavation: Hand tools

Stability: Sides Stable

Groundwater: None encountered

Hand Auger Dimensions: 0.20m (w) x 0.20m (l) x 0.30m (d)

Remarks:

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APPENDIX C
CHEMICAL TESTING RESULTS

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Amended Report

Report No.:	22-24011-2		
Initial Date of Issue:	06-Jul-2022	**Date of Re-Issue:**	19-Jul-2022
Client	Springbridge Direct Ltd		
Client Address:	Oxford Road Denham Middlesex UB9 4DF		
Contact(s):	Tom Hawkins		
Project	Springbridge Yard		
Quotation No.:	Q22-26866	**Date Received:**	27-Jun-2022
Order No.:	124625	**Date Instructed:**	27-Jun-2022
No. of Samples:	2		
Turnaround (Wkdays):	10	**Results Due:**	08-Jul-2022
Date Approved:	06-Jul-2022		

Approved By:

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: Springbridge Yard

Client: Springbridge Direct Ltd			**Chemtest Job No.:**		22-24011
Quotation No.: Q22-26866			**Chemtest Sample ID.:**		1456183
Order No.: 124625			Client Sample Ref.:		Topsoil
			Client Sample ID.:		Top
			Sample Type:		SOIL
			Date Sampled:		23-Jun-2022
			Asbestos Lab:		COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
ACM Type	U	2192		N/A	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected
Moisture	N	2030	%	0.020	9.6
Soil Colour	N	2040		N/A	Brown
Other Material	N	2040		N/A	None
Soil Texture	N	2040		N/A	Loam
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	2.1
Cyanide (Total)	M	2300	mg/kg	0.50	0.60
Arsenic	M	2455	mg/kg	0.5	8.2
Cadmium	M	2455	mg/kg	0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	7.0
Copper	M	2455	mg/kg	0.50	8.8
Mercury	M	2455	mg/kg	0.05	3.2
Nickel	M	2455	mg/kg	0.50	4.3
Lead	M	2455	mg/kg	0.50	33
Selenium	M	2455	mg/kg	0.25	1.1
Zinc	M	2455	mg/kg	0.50	28
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10
Naphthalene	N	2700	mg/kg	0.010	< 0.010

Results - Soil

Project: Springbridge Yard

Client: Springbridge Direct Ltd			**Chemtest Job No.:**		22-24011
Quotation No.: Q22-26866			**Chemtest Sample ID.:**		1456183
Order No.: 124625			Client Sample Ref.:		Topsoil
			Client Sample ID.:		Top
			Sample Type:		SOIL
			Date Sampled:		23-Jun-2022
			Asbestos Lab:		COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Acenaphthylene	N	2700	mg/kg	0.010	< 0.010
Acenaphthene	N	2700	mg/kg	0.010	< 0.010
Fluorene	N	2700	mg/kg	0.010	< 0.010
Phenanthrene	N	2700	mg/kg	0.010	< 0.010
Anthracene	N	2700	mg/kg	0.010	< 0.010
Fluoranthene	N	2700	mg/kg	0.010	0.82
Pyrene	N	2700	mg/kg	0.010	0.82
Benzo[a]anthracene	N	2700	mg/kg	0.010	0.34
Chrysene	N	2700	mg/kg	0.010	0.57
Benzo[b]fluoranthene	N	2700	mg/kg	0.010	0.50
Benzo[k]fluoranthene	N	2700	mg/kg	0.010	0.16
Benzo[a]pyrene	N	2700	mg/kg	0.010	0.35
Indeno(1,2,3-c,d)Pyrene	N	2700	mg/kg	0.010	< 0.010
Dibenz(a,h)Anthracene	N	2700	mg/kg	0.010	< 0.010
Benzo[g,h,i]perylene	N	2700	mg/kg	0.010	< 0.010
Total Of 16 PAH's	N	2700	mg/kg	0.20	3.6
Benzene	M	2760	µg/kg	1.0	< 1.0
Toluene	M	2760	µg/kg	1.0	< 1.0
Ethylbenzene	M	2760	µg/kg	1.0	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0	< 1.0
o-Xylene	M	2760	µg/kg	1.0	< 1.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10

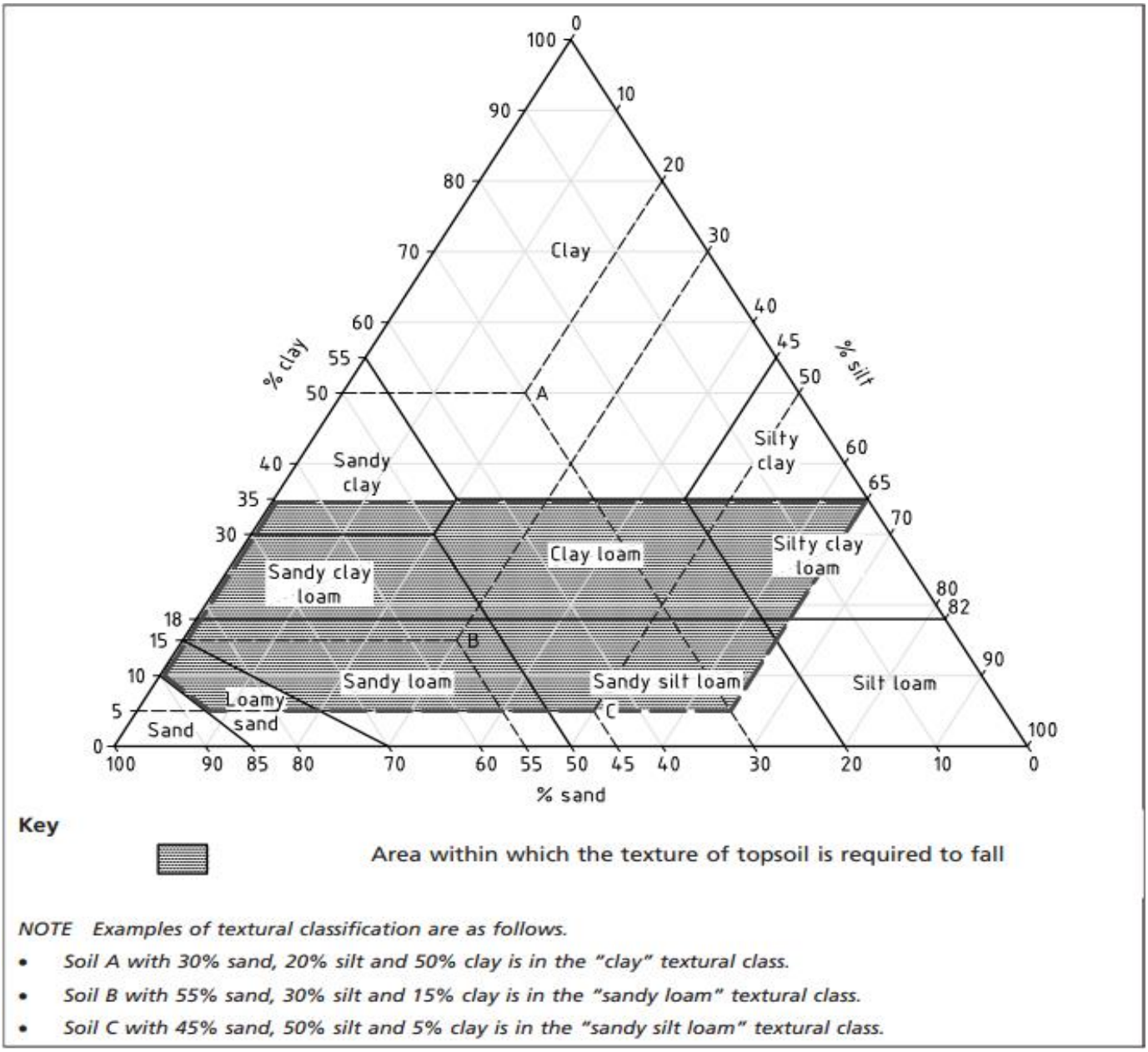
Results - Topsoil Report

BS3882:2015

Chemtest Job No.: 22-24011
Chemtest Sample ID.: 1456183
Client Sample Ref.: Topsoil
Sample Location:
Client Sample ID.: Top
Top Depth (m):
Bottom Depth (m):
Date Sampled: 23-Jun-2022
Time Sampled:

Parameter	Units	Multipurpose Range			Result	Compliant with Multipurpose Range? (Y/N)	Compliant with Specific Purpose Range? (Y/N)		
Texture							**Acid**	**Low F**	**Calc.**
Clay content	%				6.0				
Silt content	%				10.0				
Sand content	%				84				
Soil texture class		See Attached Chart			Sandy Loam	YES			
Mass Loss on Ignition									
Clay 5-20%		3.0-20			6.5	YES	YES	YES	YES
Clay 20-35%		5.0-20							
Stone Content	**% m/m**								
>2mm		0-30			16	YES			
>20mm		0-10			< 0.020	YES			
>50mm		0			< 0.020	YES			
Soil pH value		5.5-8.5			8.5	YES	NO	YES	YES
Carbonate (Calcareous only)	%				0.51				NO
Electrical Conductivity	µS/cm	If >3300 do ESP			2500	YES			
Available Nutrient Content									
Nitrogen %		>0.15			0.23	YES	YES		YES
Extractable phosphorus	mg/l	16-140			32	YES	YES	NO	YES
Extractable potassium	mg/l	121-1500			820	YES	YES		YES
Extractable magnesium	mg/l	51-600			160	YES	YES		YES
Carbon : Nitrogen Ratio		<20:1			16.6/1	YES	YES	YES	YES
Exchangeable sodium	**%**	<15			2.6				
Available Calcium	mg/l				360				
Available Sodium	mg/l				75				
Phytotoxic Contaminants (by soil pH)		**< 6.0**	**6.0-7.0**	**> 7.0**					
Zinc (Nitric Acid extract)	mg/kg	<200	<200	<300	18	YES			
Copper (Nitric Acid extract)	mg/kg	<100	<135	<200	6.1	YES			
Nickel (Nitric Acid extract)	mg/kg	<60	<75	<110	< 5.0	YES			
Visible Contaminants	**% mm**								
>2mm		<0.5			0.000	YES			
….. of which plastics		<0.25			0.000	YES			
….. man-made sharps		zero in 1kg			0.000	YES			

Topsoil:
Texture Classification Chart



Key

Area within which the texture of topsoil is required to fall

NOTE Examples of textural classification are as follows.

- *Soil A with 30% sand, 20% silt and 50% clay is in the "clay" textural class.*
- *Soil B with 55% sand, 30% silt and 15% clay is in the "sandy loam" textural class.*
- *Soil C with 45% sand, 50% silt and 5% clay is in the "sandy silt loam" textural class.*

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2115	Total Nitrogen in Soils	Nitrogen	Determination by elemental analyser
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2260	Carbonate	Carbonate	Titration
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2400	Cations	Cations	ICP-MS
2420	Phosphate	Phosphate	Spectrophotometry - Discrete analyser
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by ‘Aquakem 600’ Discrete Analyser using 1,5-diphenylcarbazide.
2620	LOI 440	LOI 440 Trommel Fines	Determination of the proportion by mass that is lost from a soil by ignition at 440°C.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

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

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

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

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	22-41738-1		
Initial Date of Issue:	09-Nov-2022		
Client	Listers Geotechnical Consultants		
Client Address:	Slapton Hill Barn, Blakesley Road Slapton Towcester Northamptonshire NN12 8QD		
Contact(s):	Adam Jones		
Project	18.11.002C Land north of St Andrews Road, St Andrews Park		
Quotation No.:	Q18-12046	**Date Received:**	01-Nov-2022
Order No.:	18.11.002c/434	**Date Instructed:**	01-Nov-2022
No. of Samples:	2		
Turnaround (Wkdays):	5	**Results Due:**	07-Nov-2022
Date Approved:	09-Nov-2022		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 18.11.002C Land north of St Andrews Road, St Andrews Park

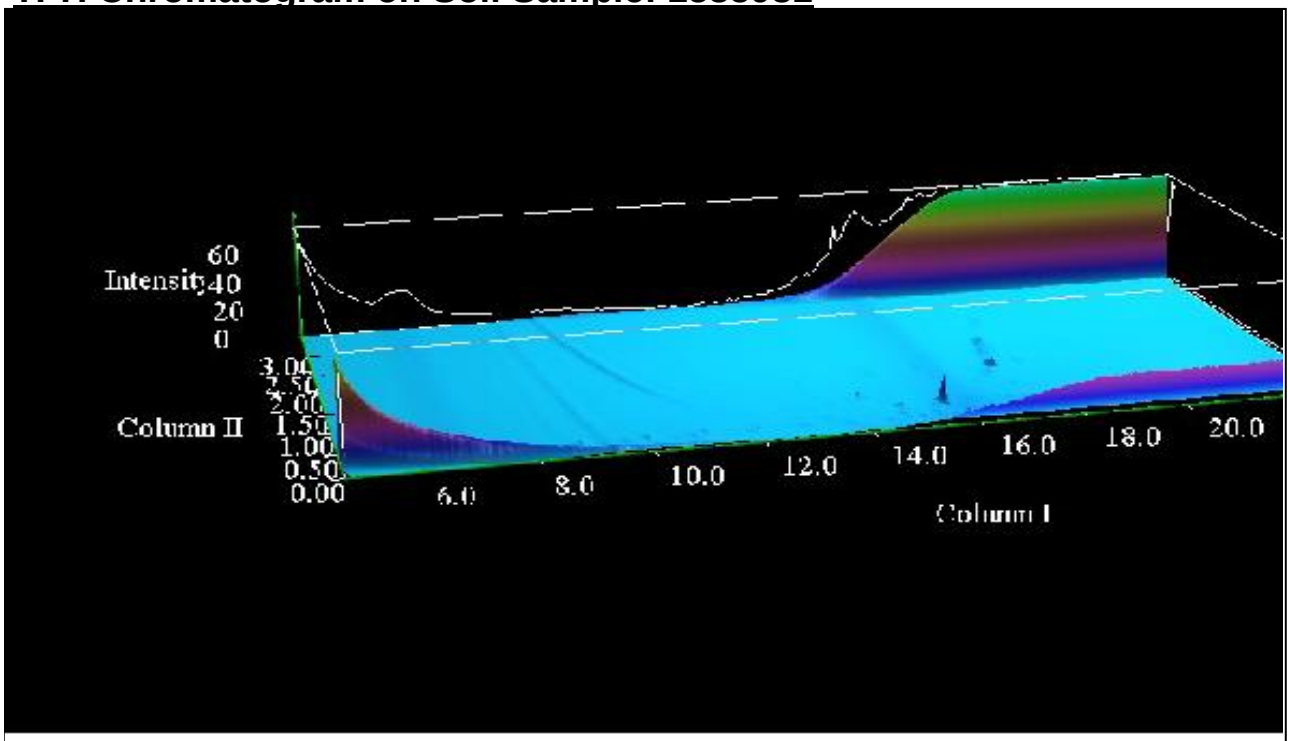
Client: Listers Geotechnical Consultants		**Chemtest Job No.:**			22-41738	22-41738
Quotation No.: Q18-12046		**Chemtest Sample ID.:**			1535981	1535982
			Sample Location:		HA1001	HA1002
			Sample Type:		SOIL	SOIL
			Top Depth (m):		0.20	0.20
			Date Sampled:		27-Oct-2022	27-Oct-2022
			Asbestos Lab:		NEW-ASB	NEW-ASB
Determinand	**Accred.**	**SOP**	**Units**	**LOD**		
ACM Type	U	2192		N/A	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	22	19
Chromatogram (TPH)	N			N/A	See Attached	See Attached
pH	U	2010		4.0	8.2	8.3
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.25	0.18
Arsenic	U	2455	mg/kg	0.5	6.8	3.9
Cadmium	U	2455	mg/kg	0.10	0.31	0.20
Chromium	U	2455	mg/kg	0.5	10	6.2
Copper	U	2455	mg/kg	0.50	21	16
Mercury	U	2455	mg/kg	0.05	0.17	0.10
Nickel	U	2455	mg/kg	0.50	7.8	4.8
Lead	U	2455	mg/kg	0.50	52	33
Selenium	U	2455	mg/kg	0.25	0.40	< 0.25
Zinc	U	2455	mg/kg	0.50	80	48
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50
Total Organic Carbon	U	2625	%	0.20	6.5	5.4
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010	< 0.010	< 0.010
Aliphatic TPH >C6-C8	N	2680	mg/kg	0.010	< 0.010	< 0.010
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010	< 0.010	< 0.010
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010	< 0.010	< 0.010
Aromatic TPH >C8-C10	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10	< 0.10	< 0.10
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0	< 1.0	< 1.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0	< 2.0	< 2.0

Results - Soil

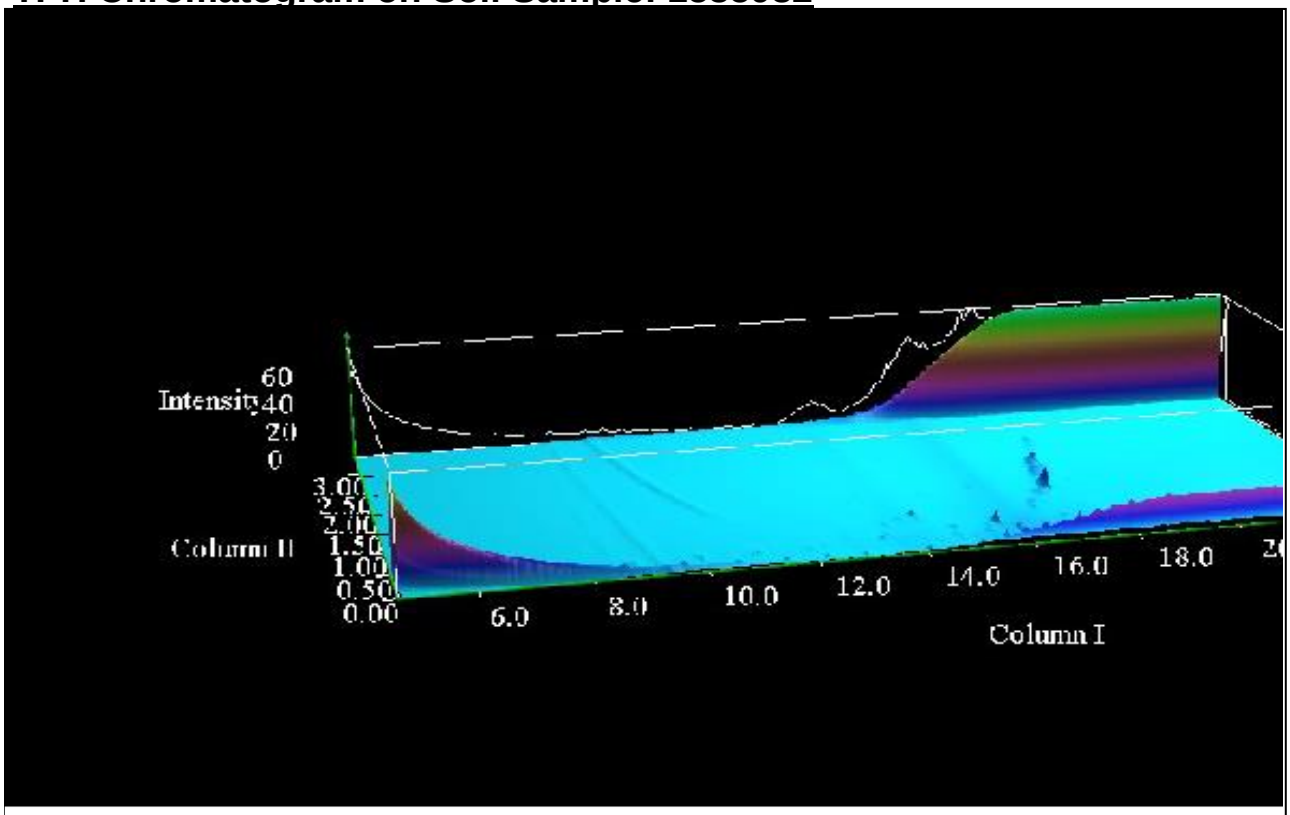
Project: 18.11.002C Land north of St Andrews Road, St Andrews Park

Client: Listers Geotechnical Consultants			**Chemtest Job No.:**		22-41738	22-41738
Quotation No.: Q18-12046			**Chemtest Sample ID.:**		1535981	1535982
			Sample Location:		HA1001	HA1002
			Sample Type:		SOIL	SOIL
			Top Depth (m):		0.20	0.20
			Date Sampled:		27-Oct-2022	27-Oct-2022
			Asbestos Lab:		NEW-ASB	NEW-ASB
Determinand	**Accred.**	**SOP**	**Units**	**LOD**		
Benzene	U	2760	µg/kg	1.0	< 1.0	< 1.0
Toluene	U	2760	µg/kg	1.0	< 1.0	< 1.0
Ethylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0
m & p-Xylene	U	2760	µg/kg	1.0	< 1.0	< 1.0
o-Xylene	U	2760	µg/kg	1.0	< 1.0	< 1.0
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	0.17	0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	0.41	0.21
Pyrene	U	2800	mg/kg	0.10	0.35	0.15
Benzo[a]anthracene	U	2800	mg/kg	0.10	0.12	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	0.27	0.19
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	0.27	0.14
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	0.25	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	0.21	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	0.16	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	2.2	< 2.0

TPH Chromatogram on Soil Sample: 1535981



TPH Chromatogram on Soil Sample: 1535982



Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

Report Information

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All results are expressed on a dry weight basis

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

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	23-06300-1		
Initial Date of Issue:	09-Mar-2023		
Client	Listers Geotechnical Consultants		
Client Address:	Slapton Hill Barn, Blakesley Road Slapton Towcester Northamptonshire NN12 8QD		
Contact(s):	Adam Jones		
Project	18.11.002c Land North of St Andrews Road, St Andrews Park		
Quotation No.:	Q22-29549	**Date Received:**	23-Feb-2023
Order No.:	18.11.002c/434	**Date Instructed:**	23-Feb-2023
No. of Samples:	8		
Turnaround (Wkdays):	10	**Results Due:**	08-Mar-2023
Date Approved:	09-Mar-2023		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 18.11.002c Land North of St Andrews Road, St Andrews Park

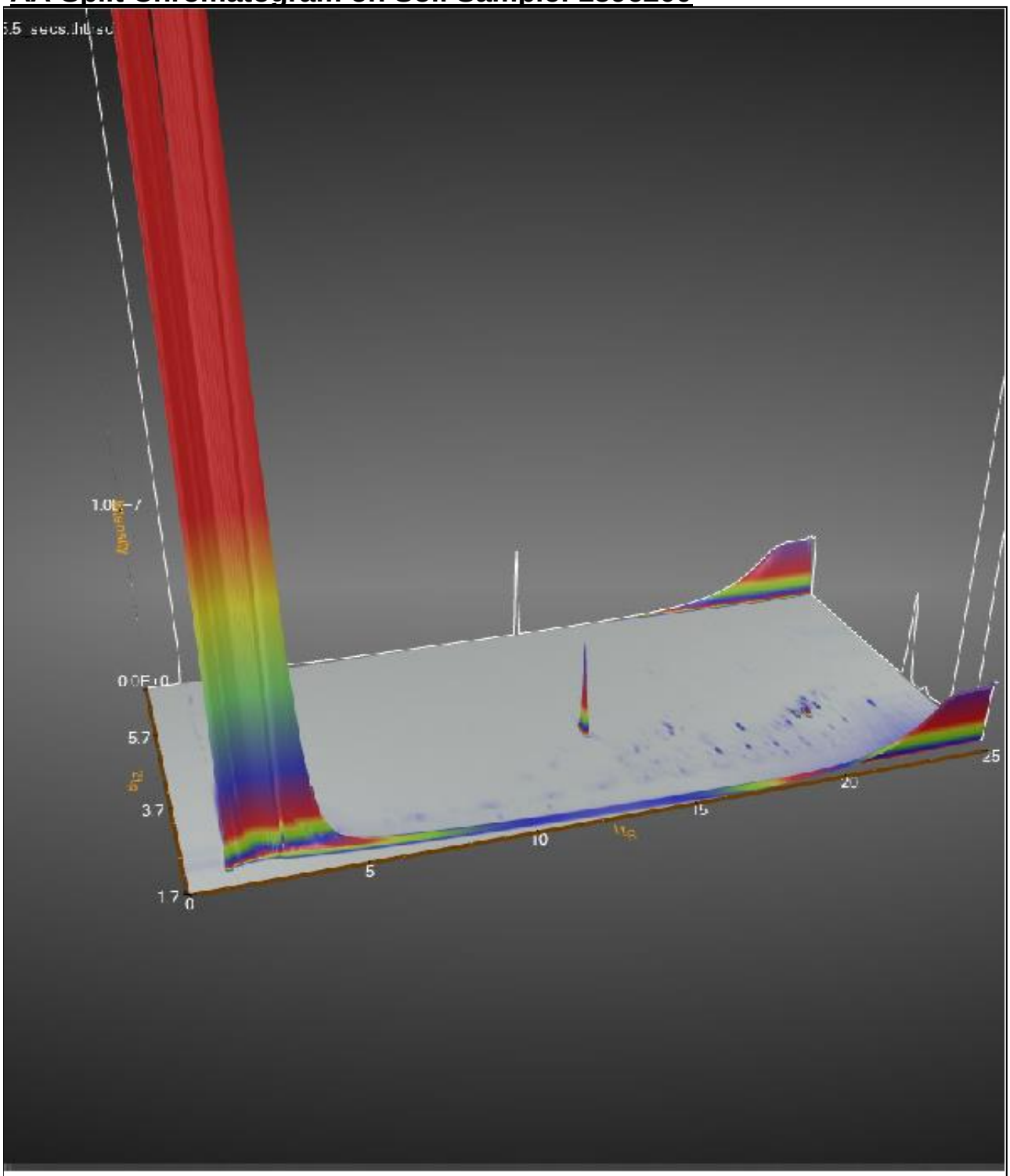
Client: Listers Geotechnical Consultants		**Chemtest Job No.:**			23-06300	23-06300	23-06300	23-06300	23-06300	23-06300	23-06300	23-06300
Quotation No.: Q22-29549		**Chemtest Sample ID.:**			1596200	1596201	1596202	1596203	1596204	1596205	1596206	1596207
		Sample Location:			HA1003	HA1004	HA1005	HA1006	HA1007	HA1009	HA1010	HA1011
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.25	0.30	0.35	0.30	0.30	0.10	0.10	0.15
		Date Sampled:			20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023
		Asbestos Lab:			DURHAM	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	21	24	21	17	16	18	20	20
Chromatogram (AA Split)	N			N/A	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached
Chromatogram VPH	N			N/A	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached	See Attached
pH	U	2010		4.0	8.1	8.0	8.0	8.2	8.2	8.0	8.1	8.4
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.17	0.15	0.18	0.31	0.099	0.34	0.67	0.52
Arsenic	U	2455	mg/kg	0.5	13	14	11	13	9.8	11	10	8.6
Cadmium	U	2455	mg/kg	0.10	0.41	0.36	0.34	0.27	0.20	0.45	0.38	0.40
Chromium	U	2455	mg/kg	0.5	21	26	16	28	24	16	16	14
Copper	U	2455	mg/kg	0.50	38	39	33	32	29	40	41	36
Mercury	U	2455	mg/kg	0.05	0.21	0.20	0.36	0.15	0.15	0.29	0.27	0.26
Nickel	U	2455	mg/kg	0.50	19	22	21	27	19	13	12	11
Lead	U	2455	mg/kg	0.50	80	170	96	60	63	84	80	110
Selenium	U	2455	mg/kg	0.25	0.88	0.88	0.61	0.99	0.74	0.62	0.62	0.61
Zinc	U	2455	mg/kg	0.50	130	120	95	98	79	120	130	110
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.18
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12	U	2690	mg/kg	2.00	4.8	< 2.0	< 2.0	< 2.0	< 2.0	8.3	6.6	< 2.0
Aliphatic EPH >C12-C16	U	2690	mg/kg	1.00	6.6	< 1.0	< 1.0	< 1.0	3.2	5.0	5.5	13
Aliphatic EPH >C16-C21	U	2690	mg/kg	2.00	8.7	< 2.0	4.6	3.4	16	18	14	21
Aliphatic EPH >C21-C35	U	2690	mg/kg	3.00	20	8.3	16	9.0	55	62	45	12
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35	U	2690	mg/kg	5.00	40	11	22	13	74	93	71	48
Total Aliphatic EPH >C10-C40	N	2690	mg/kg	10.00	40	11	22	13	74	93	71	48
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00	1.1	1.3	1.1	1.7	1.3	1.5	2.9	2.1
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00	3.8	1.0	1.8	1.3	2.7	4.7	3.5	3.9
Aromatic EPH >C16-C21	N	2690	mg/kg	2.00	13	7.3	12	8.1	5.3	32	26	7.2

Results - Soil

Project: 18.11.002c Land North of St Andrews Road, St Andrews Park

Client: Listers Geotechnical Consultants			**Chemtest Job No.:**		23-06300	23-06300	23-06300	23-06300	23-06300	23-06300	23-06300	23-06300
Quotation No.: Q22-29549			**Chemtest Sample ID.:**		1596200	1596201	1596202	1596203	1596204	1596205	1596206	1596207
			Sample Location:		HA1003	HA1004	HA1005	HA1006	HA1007	HA1009	HA1010	HA1011
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.25	0.30	0.35	0.30	0.30	0.10	0.10	0.15
			Date Sampled:		20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023	20-Feb-2023
			Asbestos Lab:		DURHAM	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00	140	51	120	35	12	500	360	5.7
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00	19	4.0	18	4.0	3.4	40	30	2.1
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00	160	60	140	46	21	540	390	19
Total Aromatic EPH >C10-C40	N	2690	mg/kg	10.00	180	64	150	50	25	580	420	21
Total VPH >C5-C10	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35	U	2690	mg/kg	10.00	200	71	160	60	96	630	460	66
Total EPH >C10-C40	N	2690	mg/kg	10.00	220	75	180	64	99	670	490	69
Total Organic Carbon	U	2625	%	0.20	4.9	3.9	6.4	1.7	1.8	7.0	7.8	7.7
Naphthalene	U	2800	mg/kg	0.10	0.20	0.20	0.33	0.32	0.37	0.28	0.31	0.17
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	0.41	0.55	0.62	0.48	0.95	0.34	0.32	0.32
Anthracene	U	2800	mg/kg	0.10	0.11	< 0.10	< 0.10	< 0.10	0.37	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	1.1	1.2	1.5	1.7	2.5	1.0	0.61	0.74
Pyrene	U	2800	mg/kg	0.10	0.95	1.2	1.3	1.2	2.3	0.91	0.50	0.71
Benzo[a]anthracene	U	2800	mg/kg	0.10	0.57	0.36	0.71	0.85	1.3	0.58	0.18	0.33
Chrysene	U	2800	mg/kg	0.10	0.56	0.54	0.69	0.74	1.3	0.39	0.35	0.26
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	0.76	0.63	1.0	0.86	1.8	0.69	0.39	0.51
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	0.36	< 0.10	0.49	0.98	0.29	< 0.10	0.21
Benzo[a]pyrene	U	2800	mg/kg	0.10	0.60	0.81	0.89	0.99	1.4	0.64	0.40	0.48
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	0.49	< 0.10	0.71	0.53	0.94	0.40	0.30	0.42
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	0.52	0.55	0.64	0.74	1.0	0.34	0.25	0.34
Total Of 16 PAH's	N	2800	mg/kg	2.0	6.3	6.4	8.4	8.9	15	5.9	3.6	4.5

AA-Split Chromatogram on Soil Sample: 1596200



AA-Split Chromatogram on Soil Sample: 1596200

\\NM-FILESERVER\Job Paperwork\SampData\VPH\1596200.PDF

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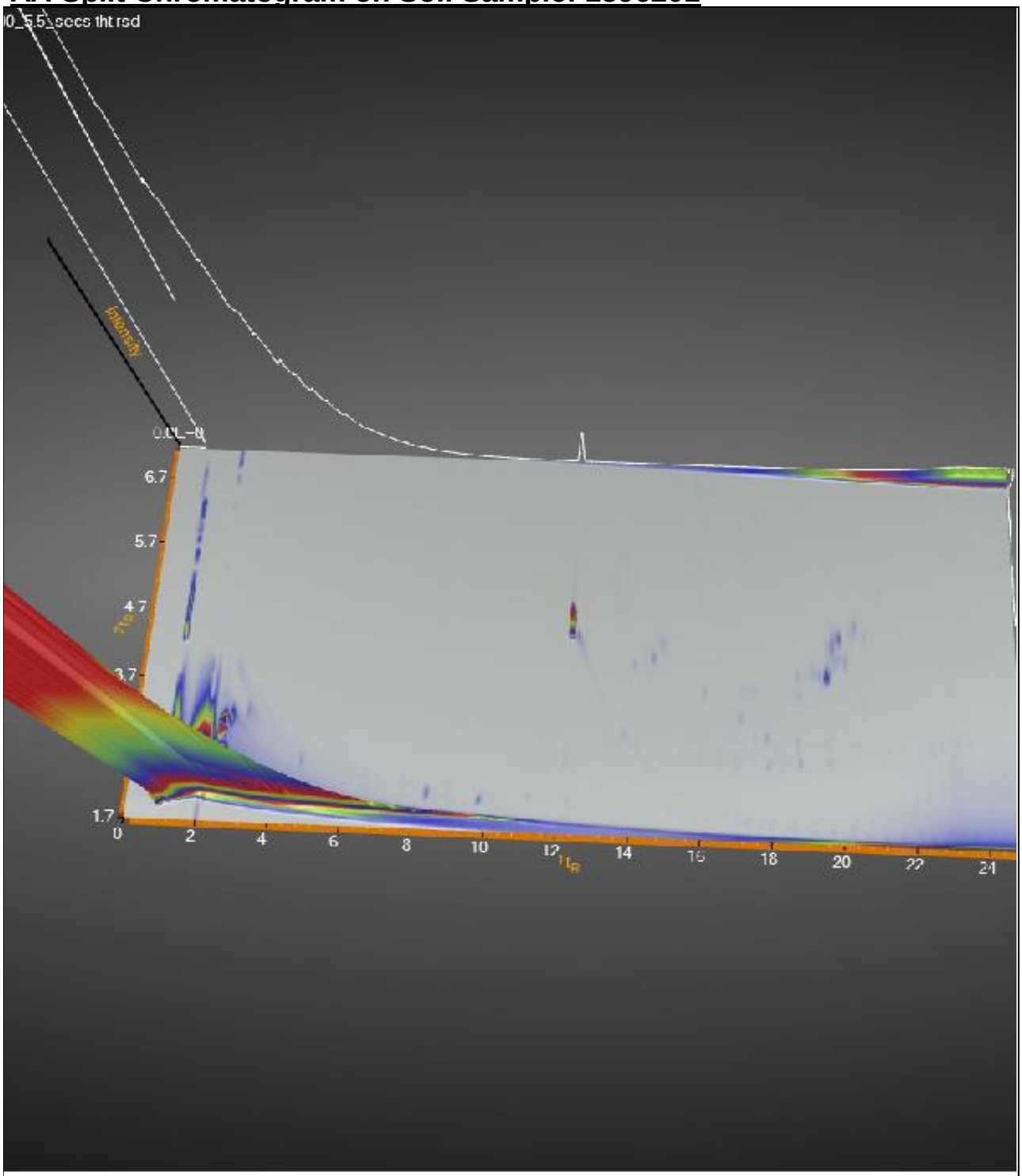

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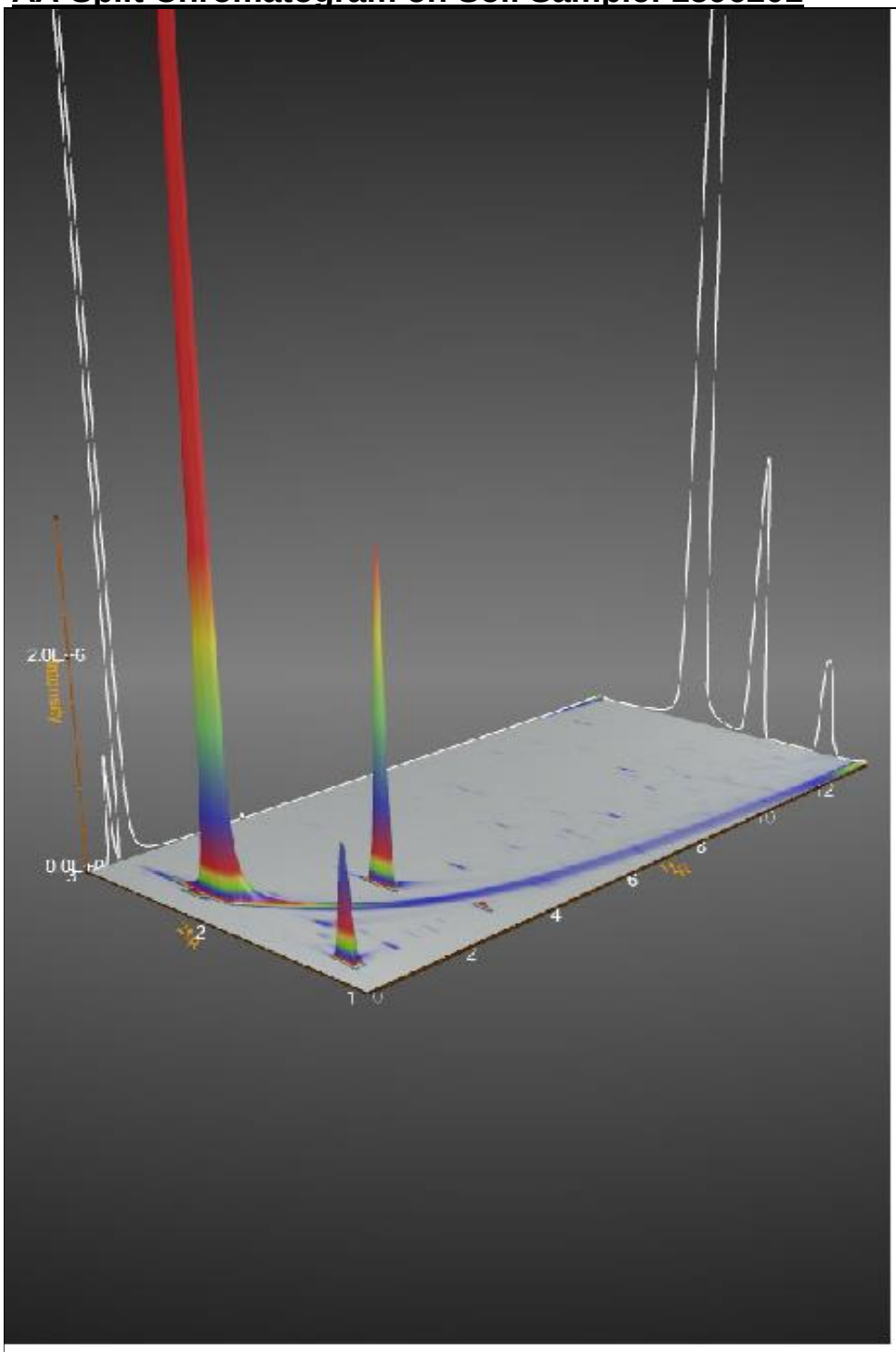

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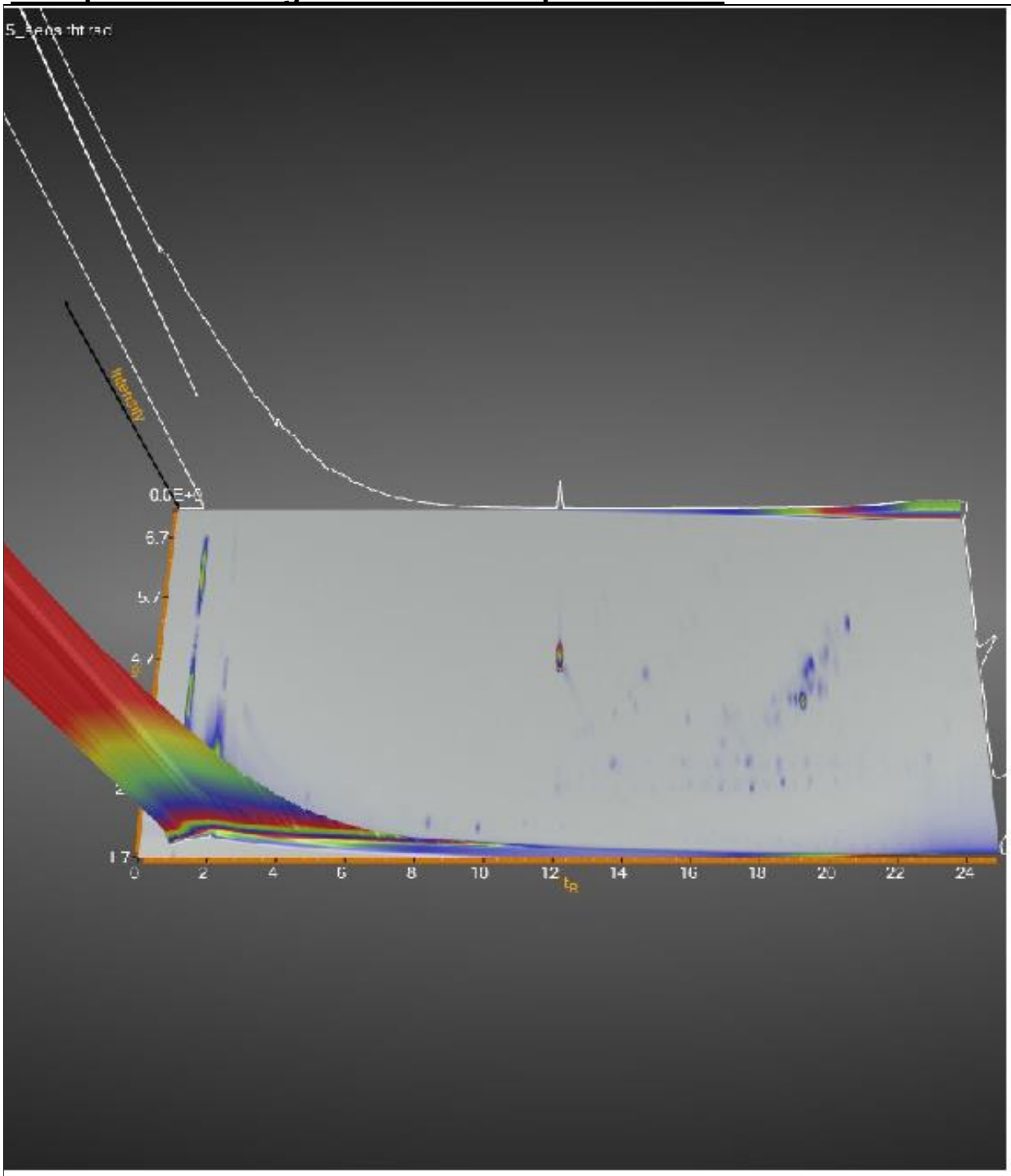

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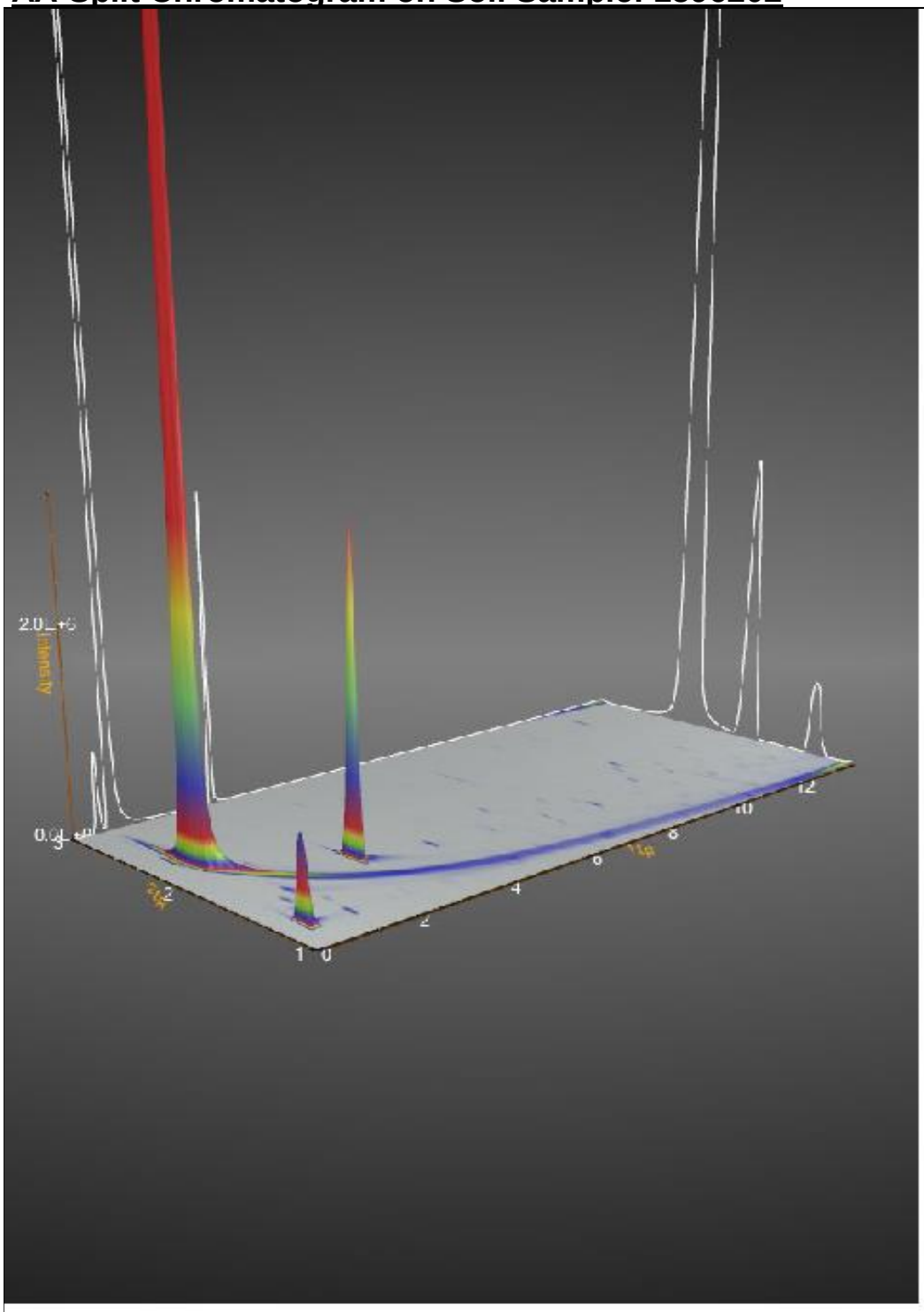

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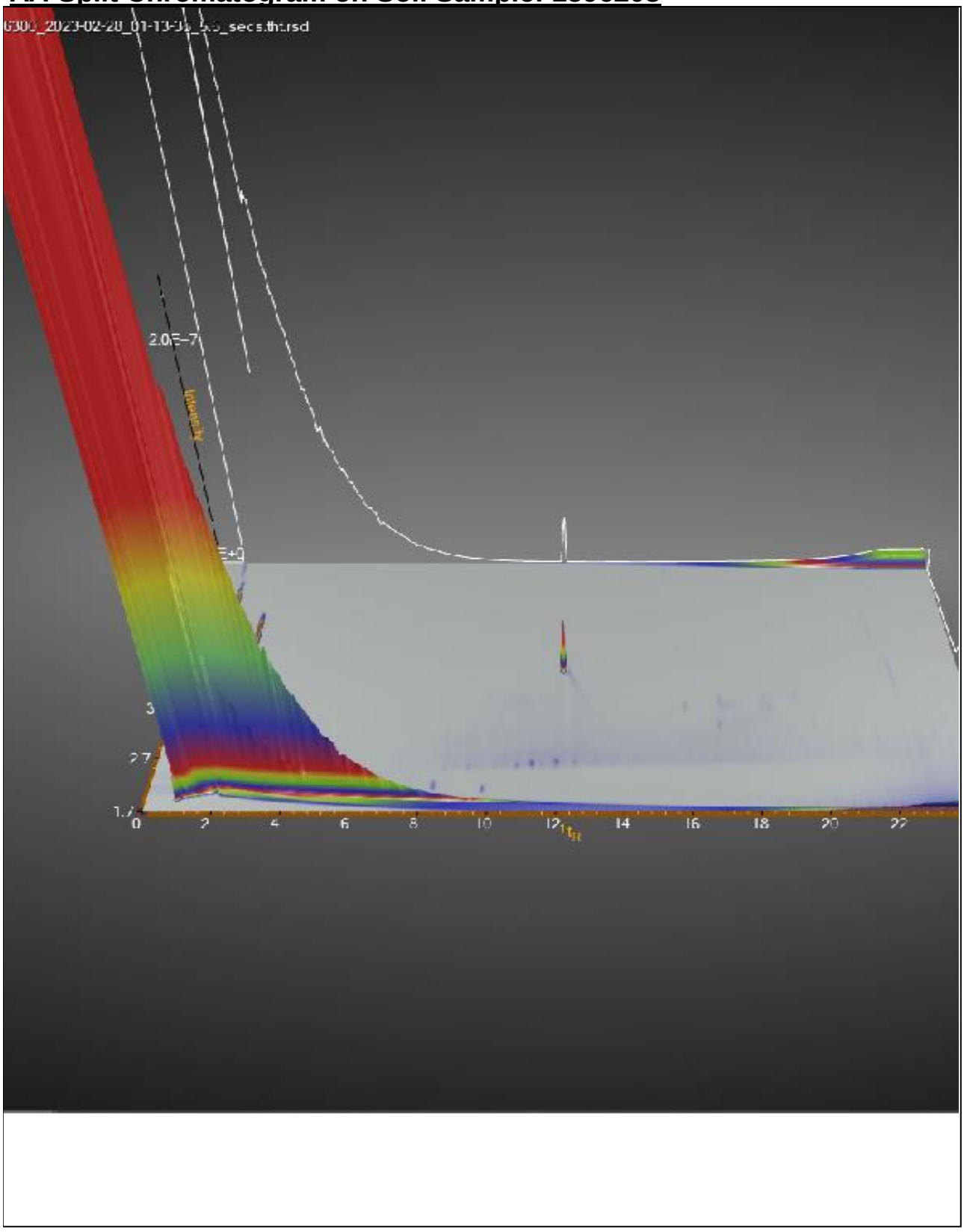

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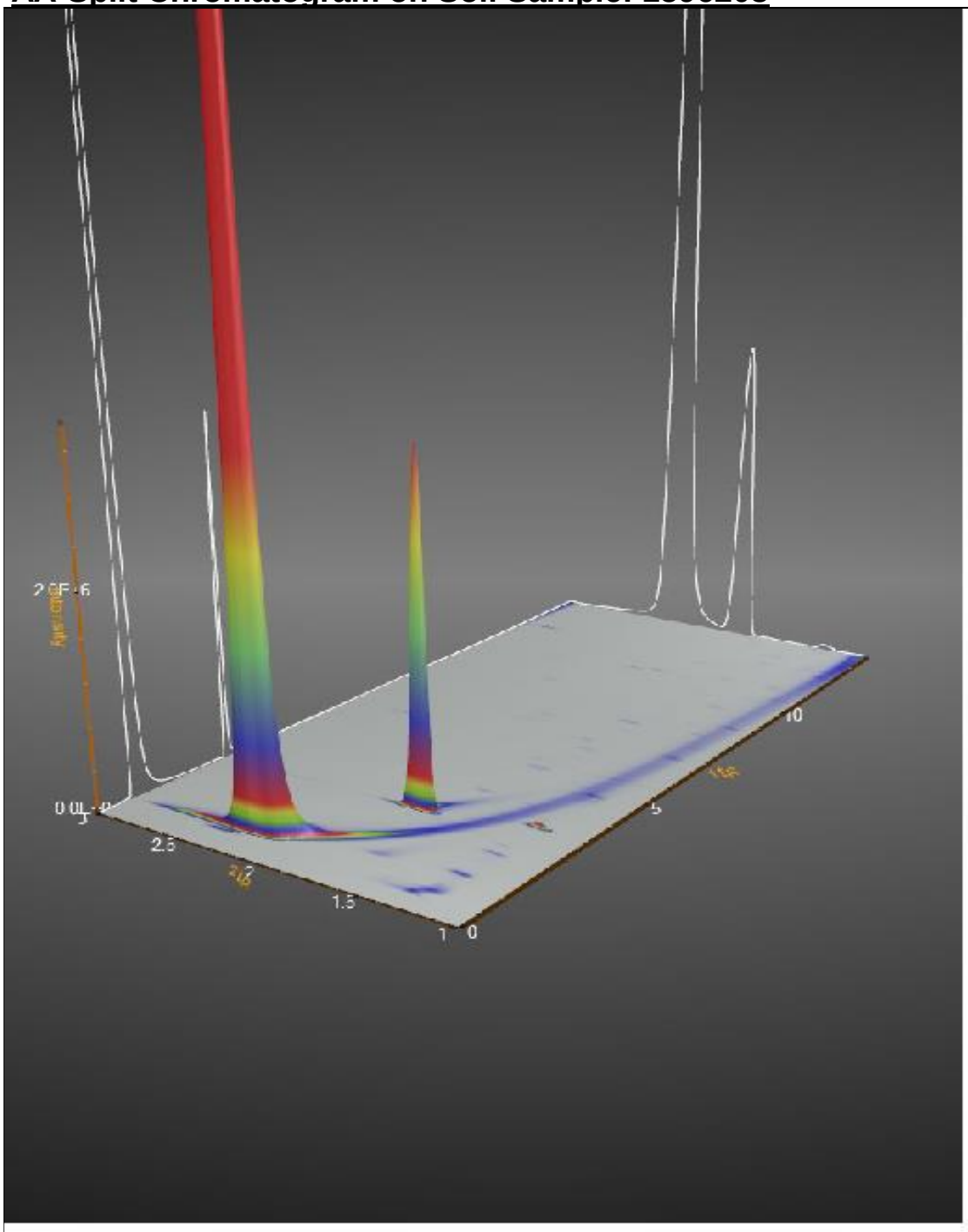

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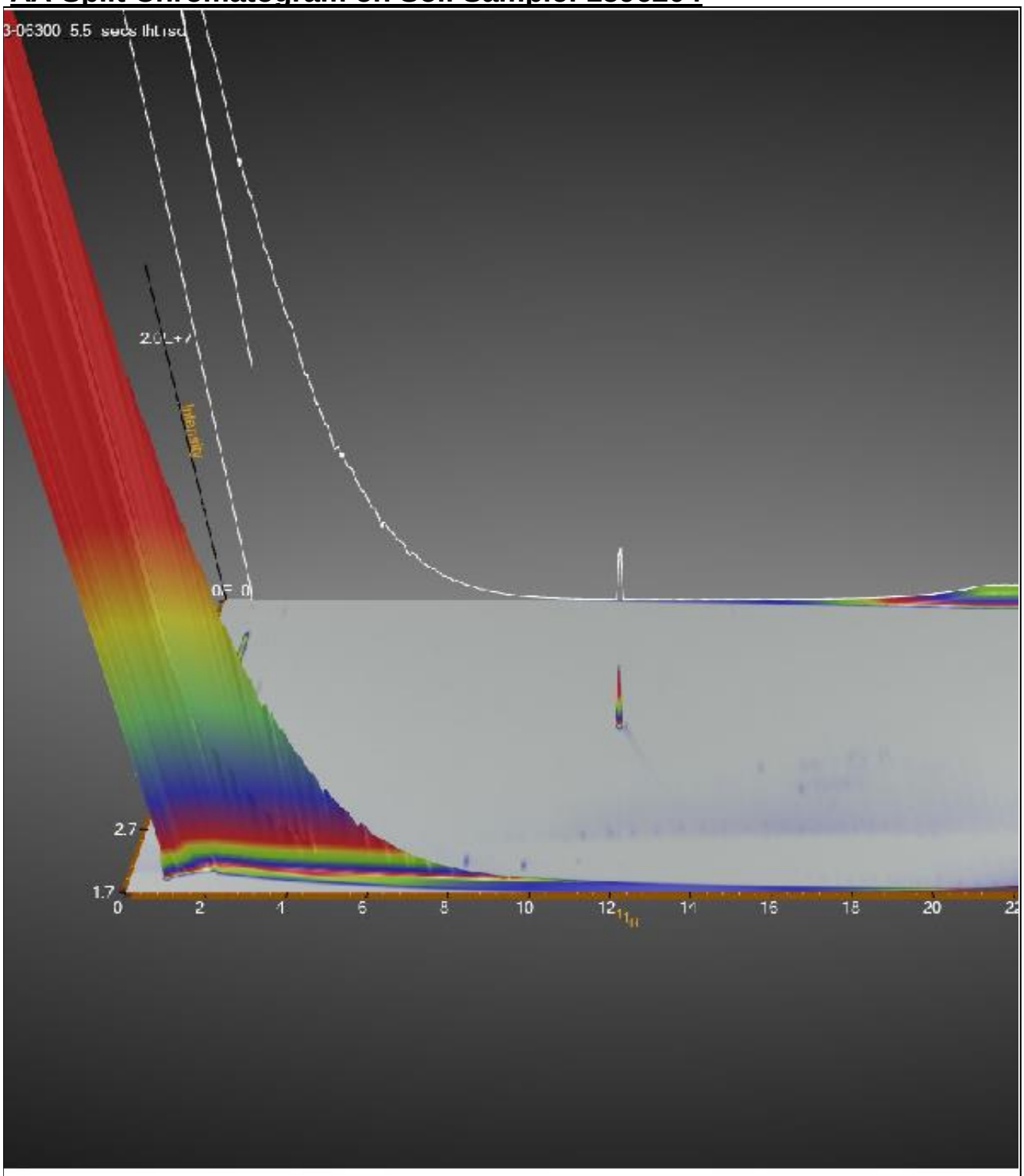

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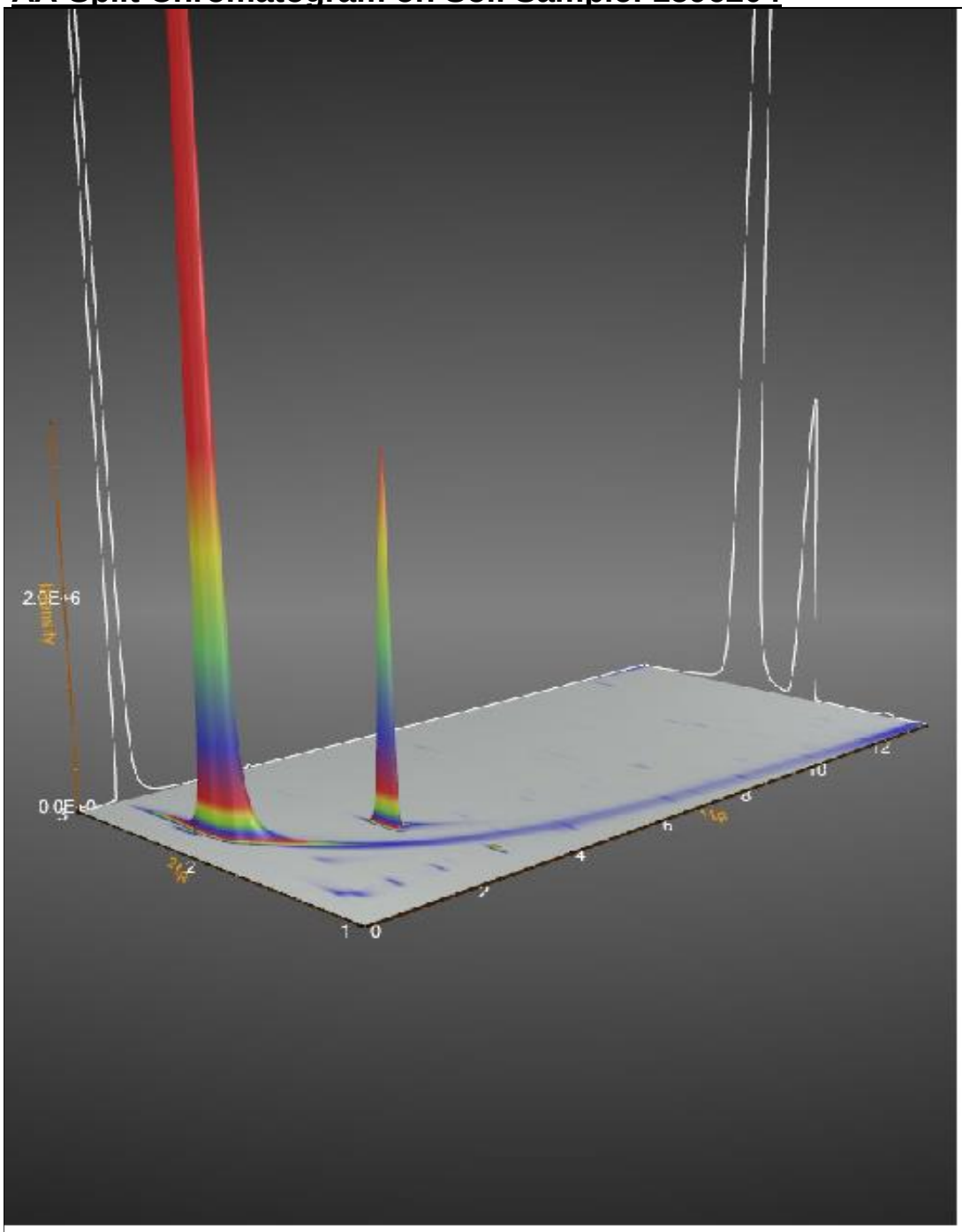

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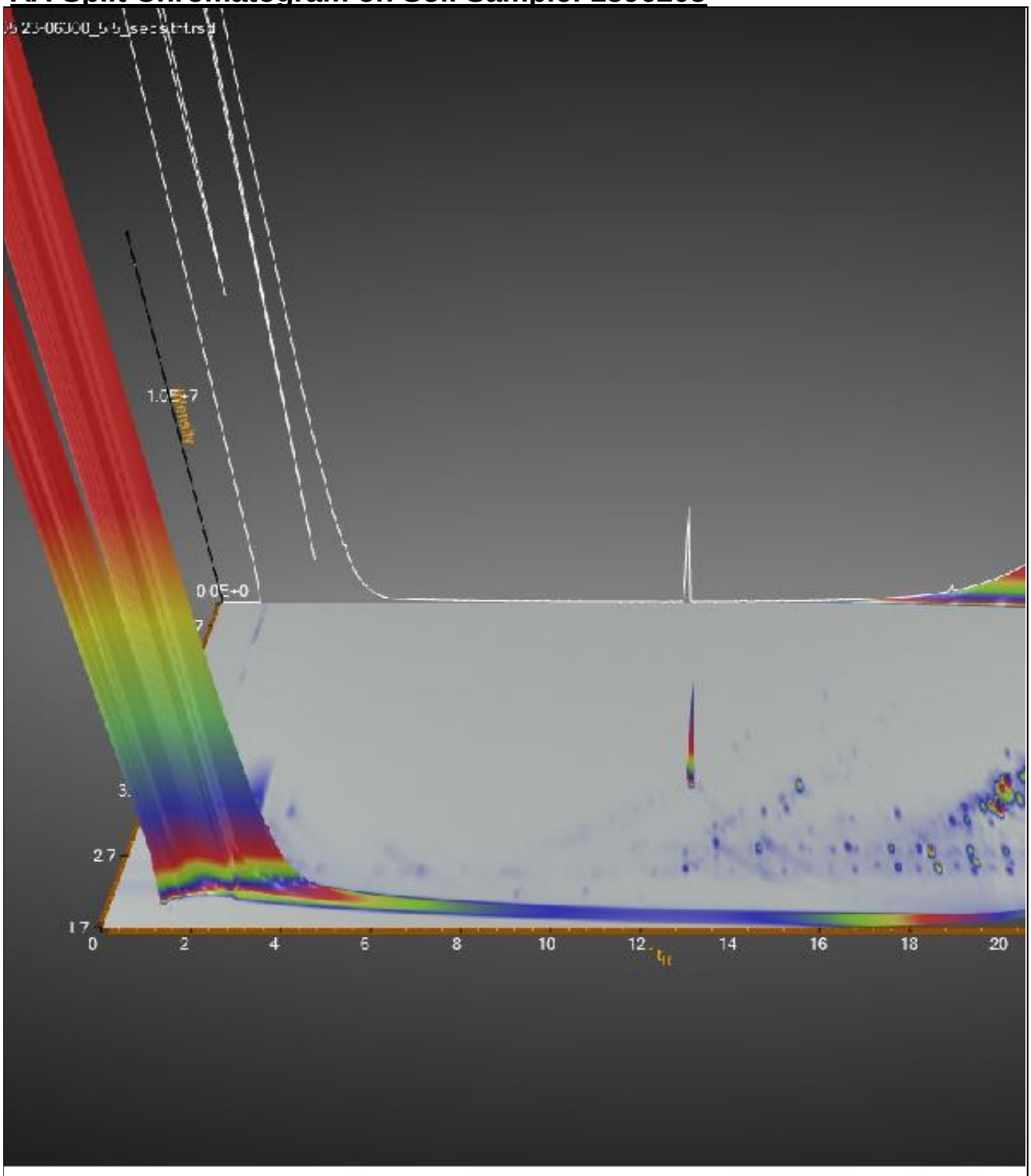

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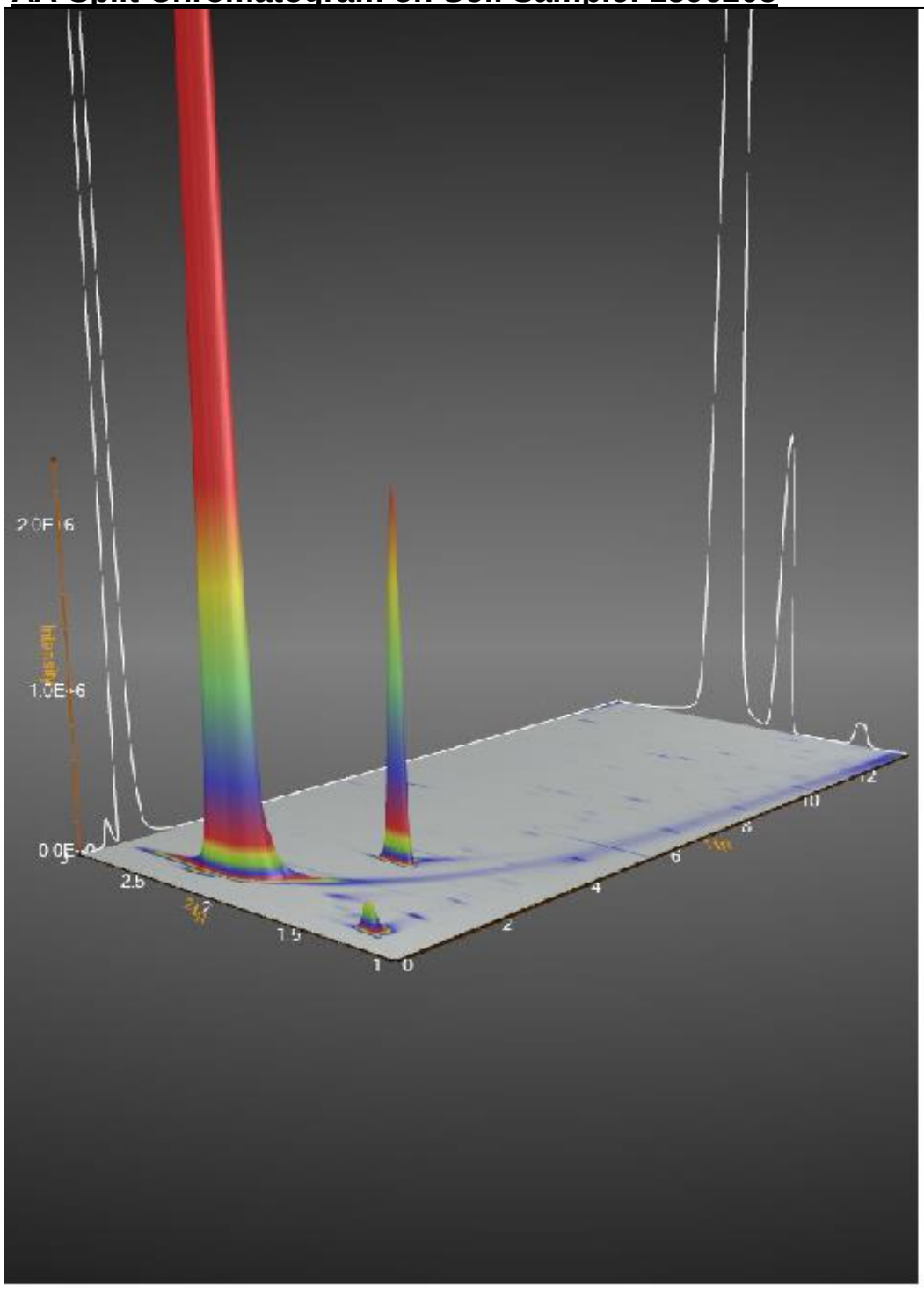

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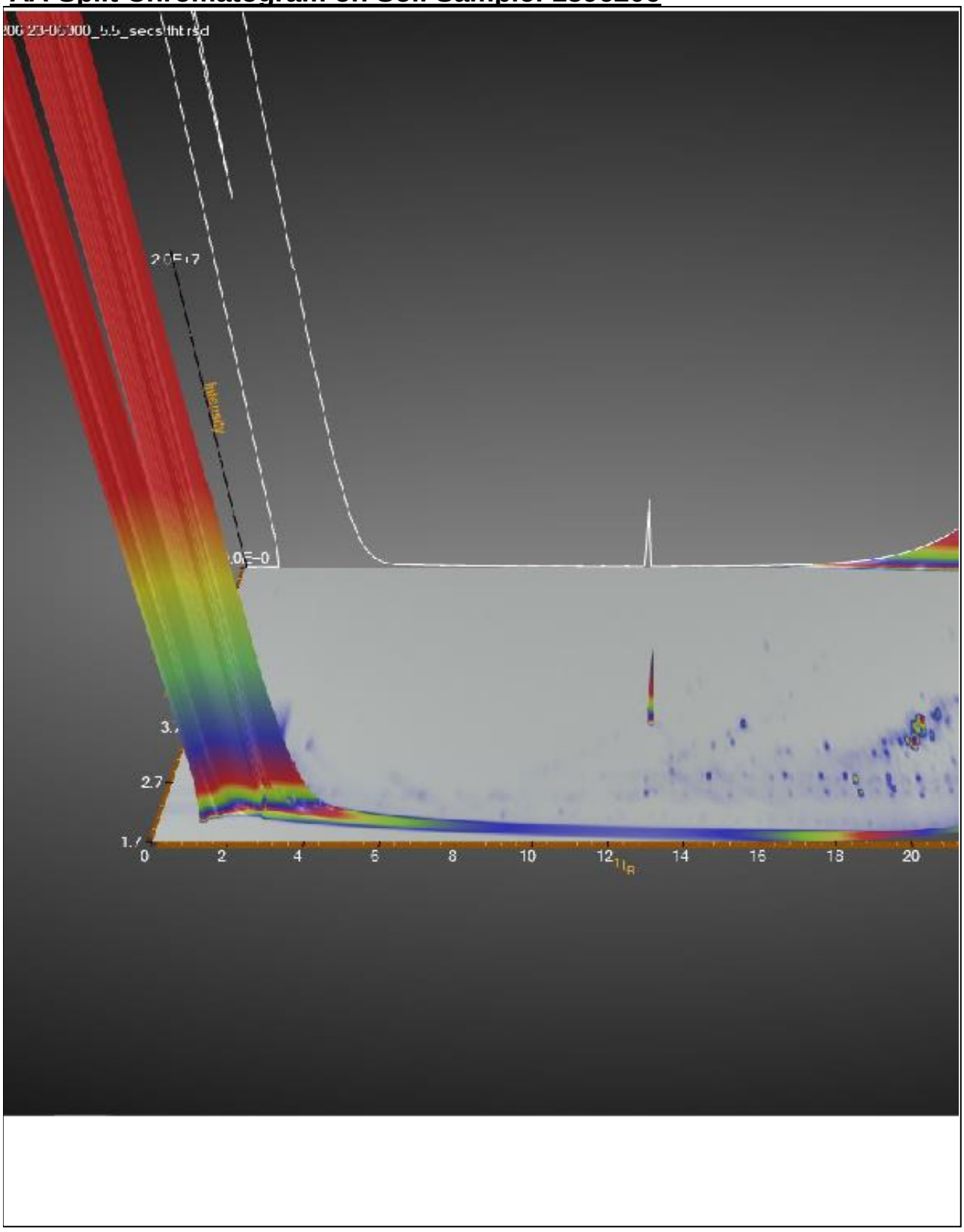

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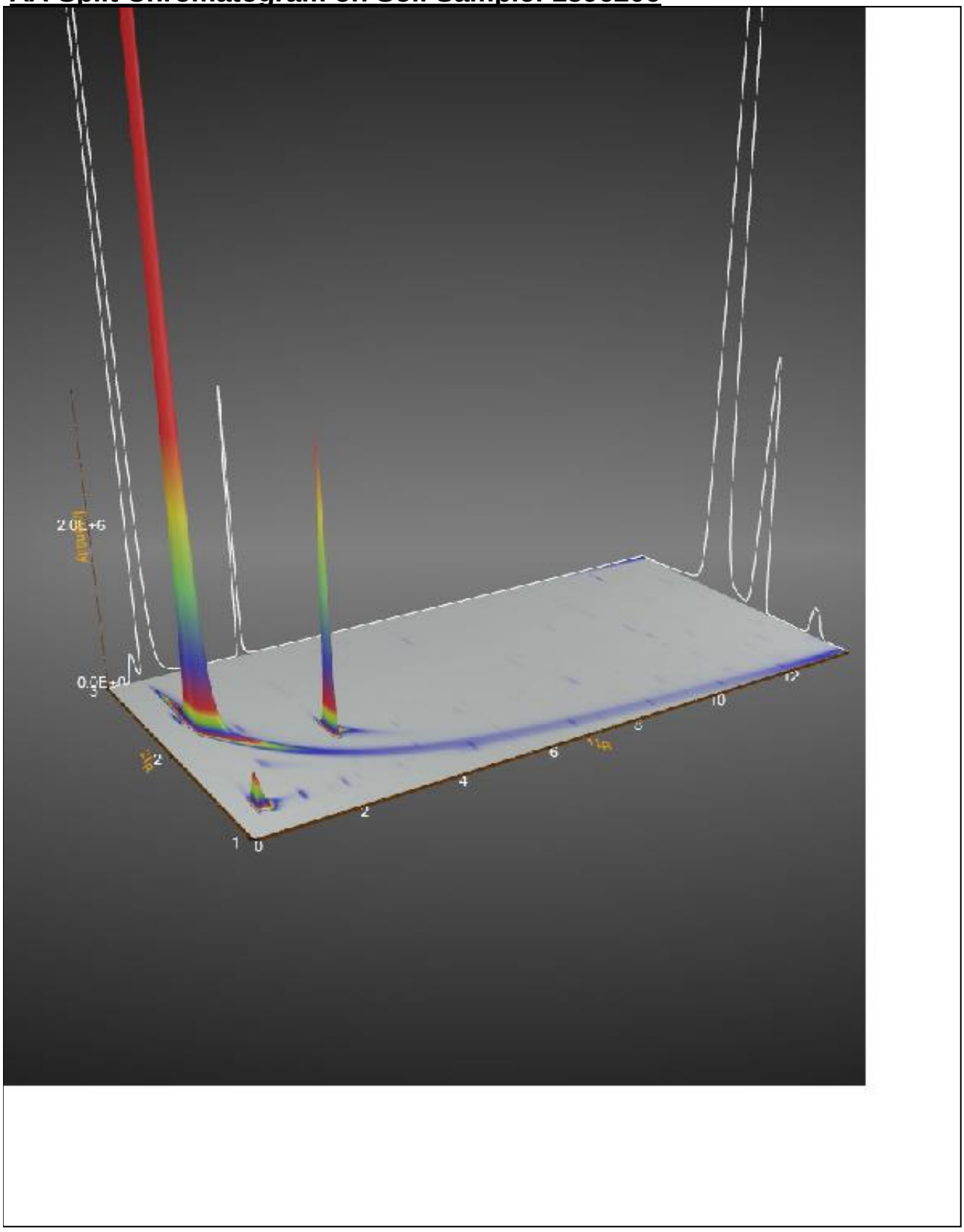

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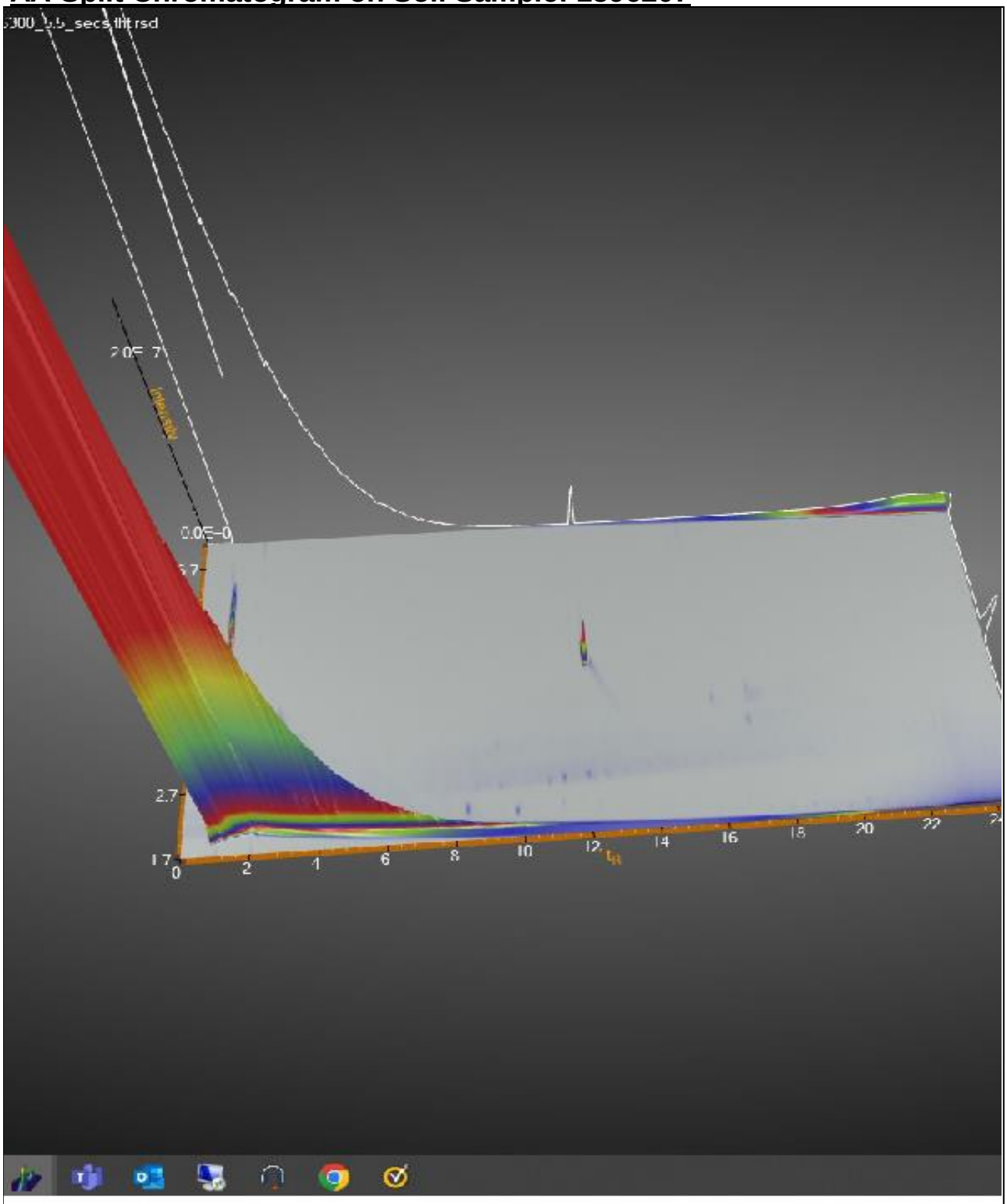

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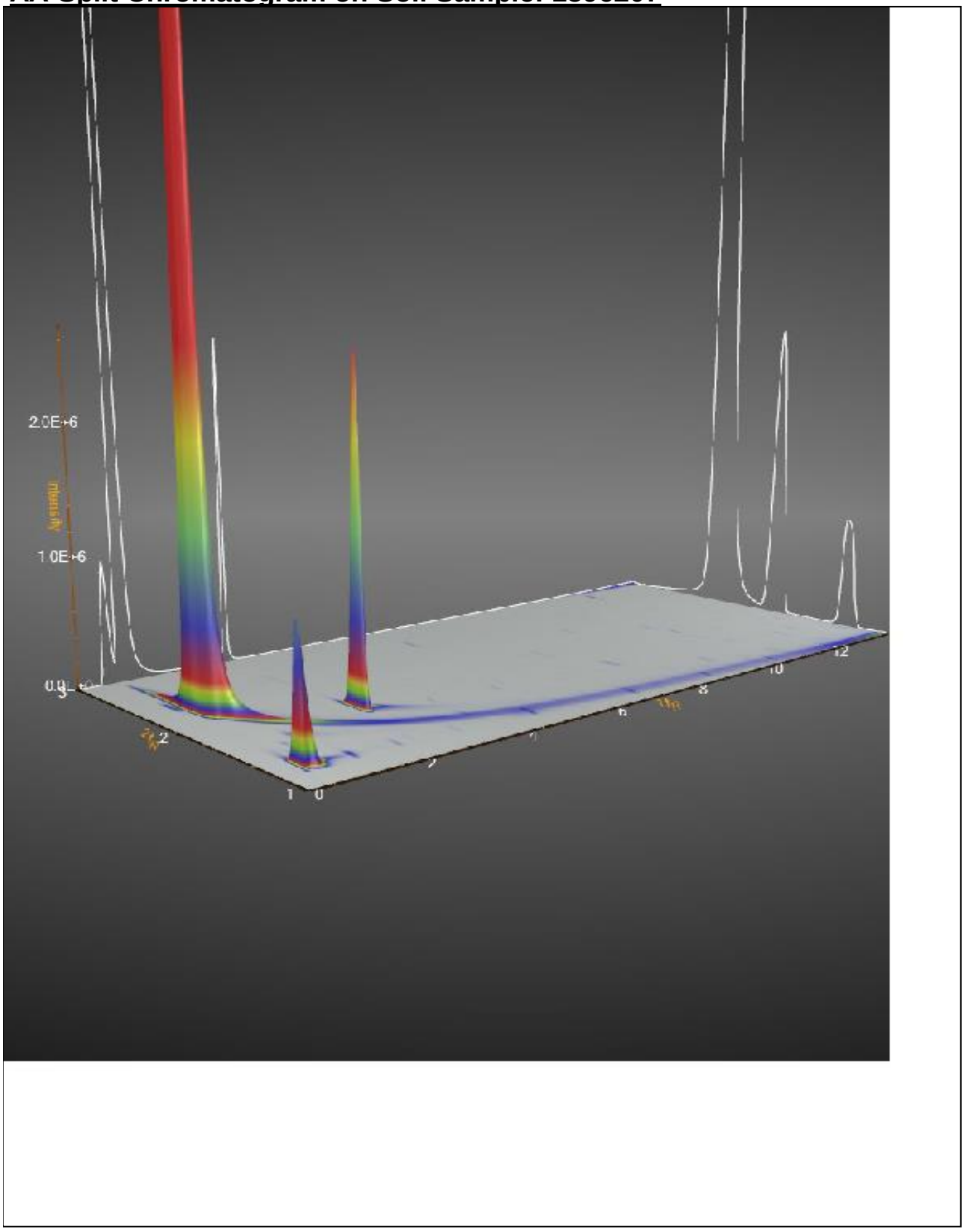


Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

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

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

LISTERS GEO
Geotechnical and Geoenvironmental Consultants

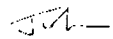
APPENDIX D
DELIVERY NOTES

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 212962
Date Time: 04/04/2023 13:04:34
In Time: 04-04-2023 13:36
Out Time: 04-04-2023 13:43
Vehicle Reg. No. KV22XXG
Haulier: Thames Materials Ltd.
Driver Name: Jason Chapman
Driver Signature:



Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load
SIC Code: 38.21
Gross Weight: 32140 KGs
Tare Weight: 12500 KGs
Net Weight: 19640 KGs

N.B. To Customers, Authorised Agents, representatives, or Responsible persons signing this delivery ticket.This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale.
By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulation 2011.

Received By:

B velia

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site.

VAT Reg. No: 657 080 429
Company Reg. No: 3045533
Registered in England and Wales

Crushed Concrete Type 1 & 2 Grading, Muck Away, Topsoil, Bulk Filling Materials, Grab & Tipper Hire, Crusher, Screener & Machine Hire

Office Copy

* 1 0 8 4 5 0 2 6 *

Thames Materials Ltd

Thames House, 4 Sarum Complex,
Salisbury Road, Uxbridge,
Middlesex, UB8 2RZ
Tel: 020 8840 7233 (Head Office)
Email: info@thamesmaterials.com
Web: www.thamesmaterials.com

WASTE LICENCE No. CB/DU113446

Combined Conveyance & Controlled Waste Transfer Note

DATE	VEHICLE REGISTRATION	NAME OF PERSON IN CHARGE OF VEHICLE
04/02/23	KV22KXA	PABLO

CUSTOMER & SITE ADDRESS: OLIVER CONNELL
RAF UXBRIDGE
HIGGINS SITE

DISPOSAL ADDRESS

TML USE ONLY

No. 10845026

VOLUME	DESCRIPTION OF WASTE
C. METRES	1 X LOAD PREMIUM TOPSOIL DELIVERED

WASTE CATEGORIES

- ☐ INERT
- ☐ NON-HAZARDOUS
- ☐ HAZARDOUS

SIC Code: **41.2**

- ☐ **17.05.04** Soil & Stone from construction
- ☐ **17.01.01** Concrete
- ☐ **01.01.02** As dug ballast
- ☐ **17.03.02** Asphalt breakout
- ☐ **17.04.07** Mixed Metal
- ☐ **17.01.07** Mixed hardcore from construction
- ☐ **17.02.01** Timber
- ☐ **17.09.04** Mixed construction waste (timber, plastic, concrete, packaging & metal)

VOLUME (TONNES)	
GROSS WEIGHT	
TARE WEIGHT	
NET WEIGHT	
TOTAL	

N.B. To Customers, Authorised Agents, Representatives, or Responsible Persons signing this Delivery Ticket. This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given.

Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale

By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulations 2011.

RECEIVED BY (PRINT NAME) Z. [illegible] *DATE* 04/02/23

(SIGNATURE)

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY

We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site

Crushed Concrete Type 1 & 2 Grading, Muck Away, Topsoil, Bulk Filling Materials, Grab & Tipper Hire, Crusher, Screener & Machine Hire

Office Copy

Thames Materials Ltd

Thames House, 4 Sarum Complex,
Salisbury Road, Uxbridge,
Middlesex, UB8 2RZ
Tel: 020 8840 7233 (Head Office)
Email: info@thamesmaterials.com
Web: www.thamesmaterials.com

WASTE LICENCE No. CB/DU113446

Combined Conveyance & Controlled Waste Transfer Note

DATE	VEHICLE REGISTRATION	NAME OF PERSON IN CHARGE OF VEHICLE
04/02/23	KV22AXA	FABIO

CUSTOMER & SITE ADDRESS: OLIVER CONNELL
RAF UXBRIDGE
HIGGINS SITE

DISPOSAL ADDRESS

TML USE ONLY

No.10845027

VOLUME	DESCRIPTION OF WASTE
C. METRES	1 X LOAD PREMIUM TOPSOIL
WASTE CATEGORIES	DELIVERED

☐ INERT
☐ NON-HAZARDOUS
☐ HAZARDOUS

SIC Code: **41.2**

- ☐ **17.05.04** Soil & Stone from construction
- ☐ **17.01.01** Concrete
- ☐ **01.01.02** As dug ballast
- ☐ **17.03.02** Asphalt breakout
- ☐ **17.04.07** Mixed Metal
- ☐ **17.01.07** Mixed hardcore from construction
- ☐ **17.02.01** Timber
- ☐ **17.09.04** Mixed construction waste (timber, plastic, concrete, packaging & metal)

VOLUME (TONNES)	
GROSS WEIGHT	
TARE WEIGHT	
NET WEIGHT	
TOTAL	

N.B. To Customers, Authorised Agents, Representatives, or Responsible Persons signing this Delivery Ticket. This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given.

Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale

By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulations 2011.

RECEIVED BY (PRINT NAME) [signature] *DATE* 04/02/23

(SIGNATURE) [signature]

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY

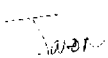
We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171919
Date Time: 14/10/2022 08:31:42
In Time: 14-10-2022 09:11
Out Time: 14-10-2022 09:14
Vehicle Reg. No. EY20YUT
Haulier: Thames Material Ltd.
Driver Name: Jason cook
Driver Signature:



Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32240 KGs
Tare Weight: 12500 KGs
Net Weight: 19740 KGs

N.B. To Customers, Authorised Agents, representatives, or Responsible persons signing this delivery ticket This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale.
By signing below i confirm that i have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulation 2011.

Received By:

grant

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site.

VAT Reg. No: 657 060 429
Company Reg. No: 3045533
Registered in England and Wales

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 172085
Date Time: 14/10/2022 13:34:10
In Time: 14-10-2022 14:11
Out Time: 14-10-2022 14:12
Vehicle Reg. No. EY68VVR
Haulier: Thames Material Ltd.
Driver Name: David
Driver Signature:

Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32320 KGs
Tare Weight: 12500 KGs
Net Weight: 19820 KGs

N.B. To Customers, Authorised Agents, representatives, or Responsible persons signing this delivery ticket This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale.
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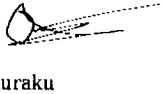
Received By:



z duraku

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site.

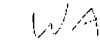
VAT Reg. No: 657 080 429
Company Reg. No: 3045533
Registered in England and Wales

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 170958
Date Time: 11/10/2022 10:14:16
In Time: 11-10-2022 11:19
Out Time: 11-10-2022 11:20
Vehicle Reg. No. KU69YXA
Haulier: Thames Material Ltd.
Driver Name: Scott Wayne George C
Driver Signature:



Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32140 KGs
Tare Weight: 12500 KGs
Net Weight: 19640 KGs

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Received By:

z duraku

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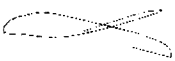
Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171818
Date Time: 13/10/2022 15:23:44
In Time: 13-10-2022 15:50
Out Time: 13-10-2022 15:58
Vehicle Reg. No. KV22XXO
Hauller: Thames Material Ltd.
Driver Name: Jason Noble
Driver Signature:



Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32220 KGs
Tare Weight: 12500 KGs
Net Weight: 19720 KGs

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Received By:

fergal

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site.

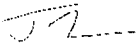
VAT Reg. No: 657 080 429
Company Reg. No: 3045533
Registered in England and Wales

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171596
Date Time: 13/10/2022 08:50:56
In Time: 13-10-2022 09:34
Out Time: 13-10-2022 09:34
Vehicle Reg. No. EY68VVX
Haulier: Thames Material Ltd.
Driver Name: Jamie Deville
Driver Signature:



Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32020 KGs
Tare Weight: 12500 KGs
Net Weight: 19520 KGs

N.B. To Customers, Authorised Agents, representatives, or Responsible persons signing this delivery ticket.This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale.
By signing below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the waste (England and Wales) Regulation 2011.

Received By:

fearghal

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site.

VAT Reg. No: 657 080 429
Company Reg. No: 3045533
Registered in England and Wales

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171595
Date Time: 13/10/2022 08:50:52
In Time: 13-10-2022 09:31
Out Time: 13-10-2022 09:58
Vehicle Reg. No. EY68VVM
Haulier: Thames Material Ltd.
Driver Name: Ian Maddams
Driver Signature:

Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32180 KGs
Tare Weight: 12500 KGs
Net Weight: 19680 KGs

N.B. To Customers, Authorised Agents, representatives, or Responsible persons signing this delivery ticket.This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale.
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Received By:

z duraku

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VAT Reg. No: 657 080 429
Company Reg. No: 3045533
Registered in England and Wales

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171258
Date Time: 12/10/2022 09:08:50
In Time: 12-10-2022 09:29
Out Time: 12-10-2022 09:38
Vehicle Reg. No. EY68VVX
Haulier: Thames Material Ltd.
Driver Name: Jamie Deville
Driver Signature:

Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 31960 KGs
Tare Weight: 12500 KGs
Net Weight: 19460 KGs

N.B. To Customers, Authorised Agents, representatives, or Responsible persons signing this delivery ticket.This is in your interest - please read this ticket carefully, and inspect that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the arising materials and waste being conveyed or disposed of in pursuance of the sale.
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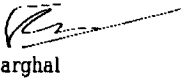
Received By:



fearghal

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site.

VAT Reg. No: 657 080 429
Company Reg. No: 3045533
Registered in England and Wales

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

E nail: info@thamesmaterials.com
W eb: https://www.thamesmaterials.com
W aste License No: CB/DU113446

C)MBINED CONVEYANCE CONTROLLED W ASTE TRANSFER NOTE

T cket NO: 171259
D te Time: 12/10/2022 09:08:56
I Time: 12-10-2022 09:43
O t Time: 12-10-2022 09:47
V hicle Reg. No. KY21HWL
H ulier: Thames Material Ltd.
D iver Name: Paul walsh
D iver Signature:

PAUL

C mpany Name: Oliver Connell & Son Ltd
S te Address: St Andrews Park,Churchill Road, U bridge, Greater London, UB10 0FL
T p Address: Skip Lane, off Harvil Road, H refield, Uxbridge Middlesex UB9 6RP
M aterial: Topsoil Premium Delivered Tipper L ad Tipper
S C Code: 38.21
G oss Weight: 32120 KGs
T re Weight: 12500 KGs
N t Weight: 19620 KGs

N . To Customers, Authorised Agents, representatives, or R sponsible persons signing this delivery ticket:This is in your in rest - please read this ticket carefully, and inspect that everything is your satisfaction before finally signing this receipt note. We re ret we cannot under any circumstances entertain any claims once th vehicle has left the site and a clear signature has been given. C tified that the above particulars are true and relate to the arising m erials and waste being conveyed or disposed of in pursuance of th sale.
By signing below I confirm that I have fulfilled my duty to apply th waste hierarchy as required by regulation 12 of the waste (E gland and Wales) Regulation 2011.

R ceived By:

z luraku

CU STOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We ca not accept responsibility for damage caused by our vehicles de ivering or disposing to your site.

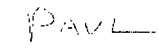
V T Reg. No: 657 080 429
C mpany Reg. No: 3045533
R gistered in England and Wales

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171203
Date Time: 12/10/2022 08:06:12
In Time: 12-10-2022 08:55
Out Time: 12-10-2022 09:04
Vehicle Reg. No. KY21HWL
Haulier: Thames Material Ltd.
Driver Name: Paul walsh
Driver Signature:



Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32040 KGs
Tare Weight: 12500 KGs
Net Weight: 19540 KGs

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Received By:

z luraku

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Registered in England and Wales

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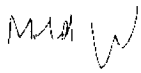
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 02088407233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171501
Date Time: 12/10/2022 15:34:42
In Time: 12-10-2022 16:04
Out Time: 12-10-2022 16:14
Vehicle Reg. No. KV22XXN
Haulier: Thames Material Ltd.
Driver Name: Michael White
Driver Signature:



Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32360 KGs
Tare Weight: 12520 KGs
Net Weight: 19840 KGs

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Received By:

Ziggy

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VAT Reg. No: 657 080 429
Company Reg. No: 3045533
Registered in England and Wales

Net Weight: 19580 KGs

Thames Materials Ltd.
Thames House, 4 Sarum Complex, Salisbury Road, Uxbridge, Middlesex, UB8 2RZ
Phone: 0208840 7233

Email: info@thamesmaterials.com
Web: https://www.thamesmaterials.com
Waste License No: CB/DU113446

COMBINED CONVEYANCE CONTROLLED WASTE TRANSFER NOTE

Ticket NO: 171066
Date Time: 11/10/2022 13:47:25
In Time: 11-10-2022 14:20
Out Time: 11-10-2022 14:21
Vehicle Reg. No. KU69YXA
Haulier: Thames Material Ltd.
Driver Name: Scott Wayne George C
Driver Signature:

Company Name: Oliver Connell & Son Ltd
Site Address: St Andrews Park,Churchill Road, Uxbridge, Greater London, UB10 0FL
Tip Address: Skip Lane, off Harvil Road, Harefield, Uxbridge Middlesex UB9 6RP
Material: Topsoil Premium Delivered Tipper Load Tipper
SIC Code: 38.21
Gross Weight: 32080 KGs
Tare Weight: 12500 KGs
Net Weight: 19580 KGs

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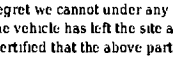
Received By:



grant sab

CUSTOMERS ORDERING VEHICLES OFF THE PUBLIC ROAD DO SO ENTIRELY ON THEIR OWN RESPONSIBILITY We cannot accept responsibility for damage caused by our vehicles delivering or disposing to your site.

VAT Reg. No: 657 080 429
Company Reg. No: 3045533