Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

WA3 6AE

DAILY DIARY SHEET

Photo 1: Excavation in progress



Photo 2: Natural soils



Photo 3: Loading wagons

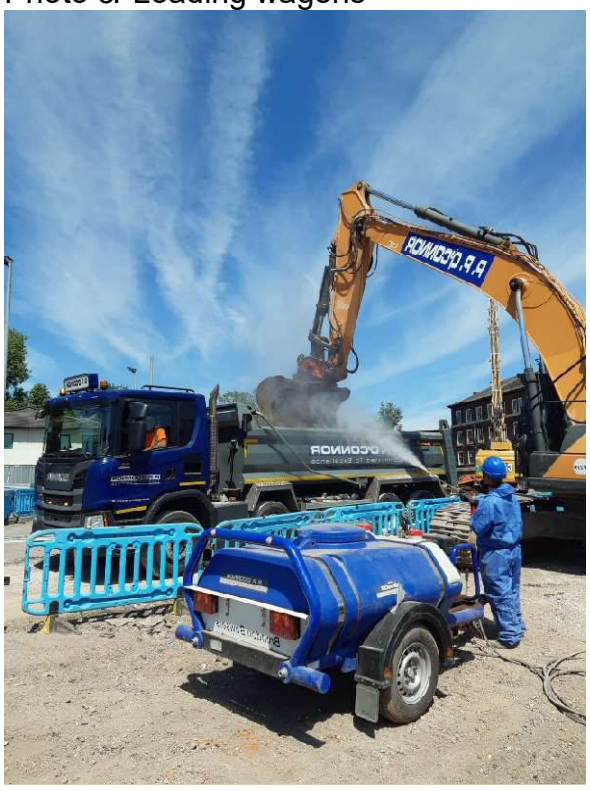


Photo 4: Site Progress



Tier Environmental Ltd
Chadwick House,
Birchwood Park,
Warrington
WA3 6AE

DAILY DIARY SHEET

CONTRACT TITLE:	North Manchester General Hospital (NMGH)
CONTRACT No.:	TE1650
VISITOR(S):	Eve Rowland
DATE OF VISIT:	24.06.22
STAFF ON SITE:	Tim – Morgan Sindall Kevin – LAR Dean – PP O'Connor Greg - Acorn
PLANT ON SITE:	PP O'Connor Excavator
WEATHER	Hot and Sunny

Site Activities:

- Attendance to Site to start works.
- South eastern side of central building (see diagram below).
- Concrete floor slab removed; Made Ground underneath. Excavated down to the natural soils (yellowish brown, clayey fine to coarse SAND).
- Natural soils were excavated down 200mm at which point 5 No. samples were taken spread across the wing.
- In total 8 No. wagon loads were removed from Site. (NB: discussion between Tier, Morgan Sindall and PP O'Connor led to the decision that wagons would only be filled approx. 75% to ensure that the cover could be put down completely as the spoil was asbestos containing).
- Whilst on site a positive asbestos identification result for Sample AS10 (chrysotile fibres) was received from the lab and therefore we moved back to that section where we excavated down a further 300mm and obtained an additional soil sample.

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Birchwood Park,
Warrington

WA3 6AE

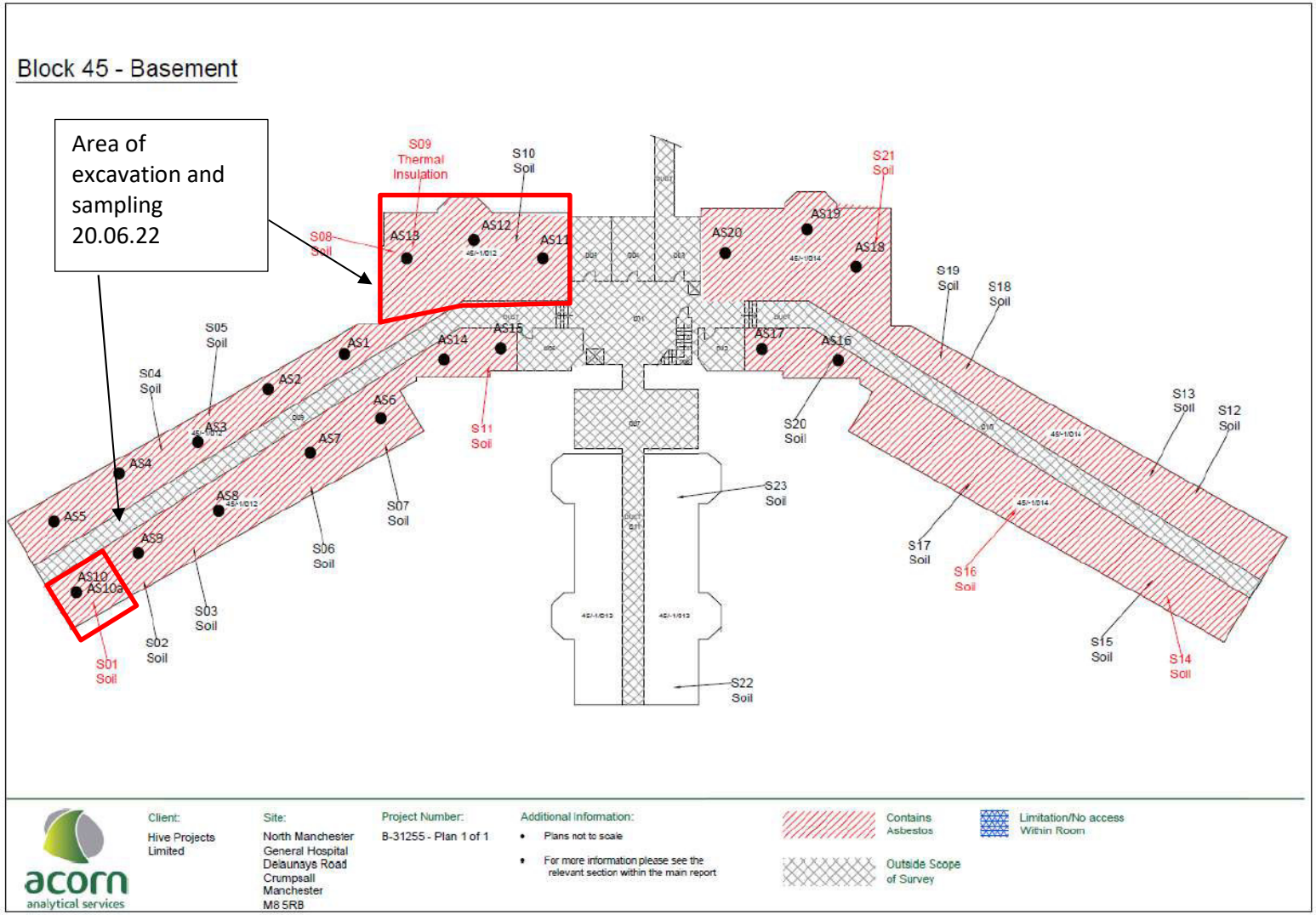
DAILY DIARY SHEET

Asbestos Sample Location Plan

- Asxx – Location of asbestos soil samples

AS1 – No Asbestos Detected.
AS2 – No Asbestos Detected
AS3 – No Asbestos Detected
AS4 – No Asbestos Detected
AS5 – No Asbestos Detected
AS6 – No Asbestos Detected
AS7 – No Asbestos Detected
AS8 – No Asbestos Detected
AS9 – No Asbestos Detected
AS10 – Chrysotile loose fibres
AS10a – No Asbestos Detected (a further sample was taken in location AS10 after additional 300mm soil removed)
AS11 – No Asbestos Detected
AS12 – No Asbestos Detected
AS13 – No Asbestos Detected
AS14 – No Asbestos Detected
AS15 – No Asbestos Detected
AS16 – No Asbestos Detected
AS17 – No Asbestos Detected
AS18 – No Asbestos Detected
AS19 – No Asbestos Detected
AS20 – No Asbestos Detected

Job No.: TE1650
Drawing Title: Asbestos Sample Location Plan
Drawing No.: TE1650-TE-00-XX-DR-GE-001-V03
Drawn by: ER
Approved by: AP
Date: 29/06/2022
Client: Morgan Sindall



Tier Environmental Ltd

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Birchwood Park,
Warrington

WA3 6AE

DAILY DIARY SHEET

Photo 1: Excavation in progress



Photo 2: Natural soils



Photo 3: Loading wagons



Photo 4: Site Progress



Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

WA3 6AE

DAILY DIARY SHEET

CONTRACT TITLE:	North Manchester General Hospital (NMGH)
CONTRACT No.:	TE1650
VISITOR(S):	Steff Ellis
DATE OF VISIT:	27.06.22
STAFF ON SITE:	Tim – Morgan Sindall Kevin – LAR Dean – PP O'Connor Richard - Acorn
PLANT ON SITE:	PP O'Connor Excavator
WEATHER	Hot and Sunny/partly cloudy

Site Activities:

- Attendance to Site to start works.
- Eastern side of central building (see diagram below).
- Concrete slab already removed; Made Ground underneath. Excavated down to the natural soils (yellowish brown, clayey fine to coarse SAND).
- Natural soils were excavated down 200mm at which point 2 No. samples were taken spread across the area.

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Warrington

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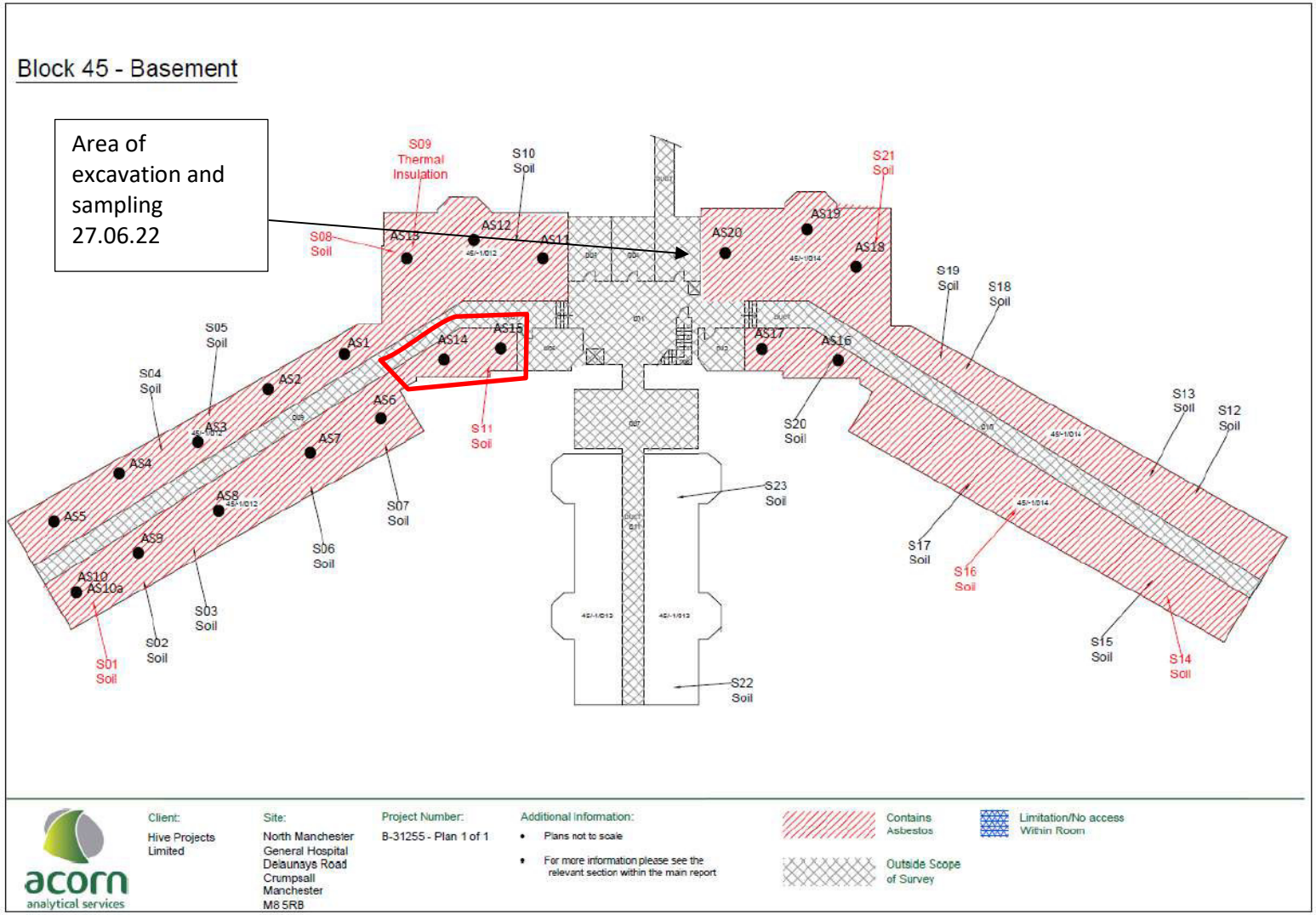
DAILY DIARY SHEET

Asbestos Sample Location Plan

● Asxx – Location of asbestos soil samples

AS1 – No Asbestos Detected.
AS2 – No Asbestos Detected
AS3 – No Asbestos Detected
AS4 – No Asbestos Detected
AS5 – No Asbestos Detected
AS6 – No Asbestos Detected
AS7 – No Asbestos Detected
AS8 – No Asbestos Detected
AS9 – No Asbestos Detected
AS10 – Chrysotile loose fibres
AS10a – No Asbestos Detected (a further sample was taken in location AS10 after additional 300mm soil removed)
AS11 – No Asbestos Detected
AS12 – No Asbestos Detected
AS13 – No Asbestos Detected
AS14 – No Asbestos Detected
AS15 – No Asbestos Detected
AS16 – No Asbestos Detected
AS17 – No Asbestos Detected
AS18 – No Asbestos Detected
AS19 – No Asbestos Detected
AS20 – No Asbestos Detected

Job No.: TE1650
Drawing Title: Asbestos Sample Location Plan
Drawing No.: TE1650-TE-00-XX-DR-GE-001-V03
Drawn by: ER
Approved by: AP
Date: 29/06/2022
Client: Morgan Sindall



Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

WA3 6AE

DAILY DIARY SHEET

Photo 1: Excavation in progress



Photo 2: Loading wagons



Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

WA3 6AE

Photo 3: Site progress



Tier Environmental Ltd
Chadwick House,
Birchwood Park,
Warrington
WA3 6AE

DAILY DIARY SHEET

CONTRACT TITLE:	North Manchester General Hospital (NMGH)
CONTRACT No.:	TE1650
VISITOR(S):	Eve Rowland
DATE OF VISIT:	28.06.22
STAFF ON SITE:	Tim – Morgan Sindall Kevin – LAR Dean – PP O'Connor Richard - Acorn
PLANT ON SITE:	PP O'Connor Excavator
WEATHER	Hot and Sunny/partly cloudy

Site Activities:

- Attendance to Site to start works.
- Western side of central building (see diagram below).
- Concrete floor slab removed; Made Ground underneath. Excavated down to the natural soils (yellowish brown, clayey fine to coarse SAND).
- Natural soils were excavated down 200mm at which point 5 No. samples were taken spread across the wing.
- In total 5 No. wagon loads were removed from Site. (NB: discussion between Tier, Morgan Sindall and PP O'Connor led to the decision that wagons would only be filled approx. 75% to ensure that the cover could be put down completely as the spoil was asbestos containing).

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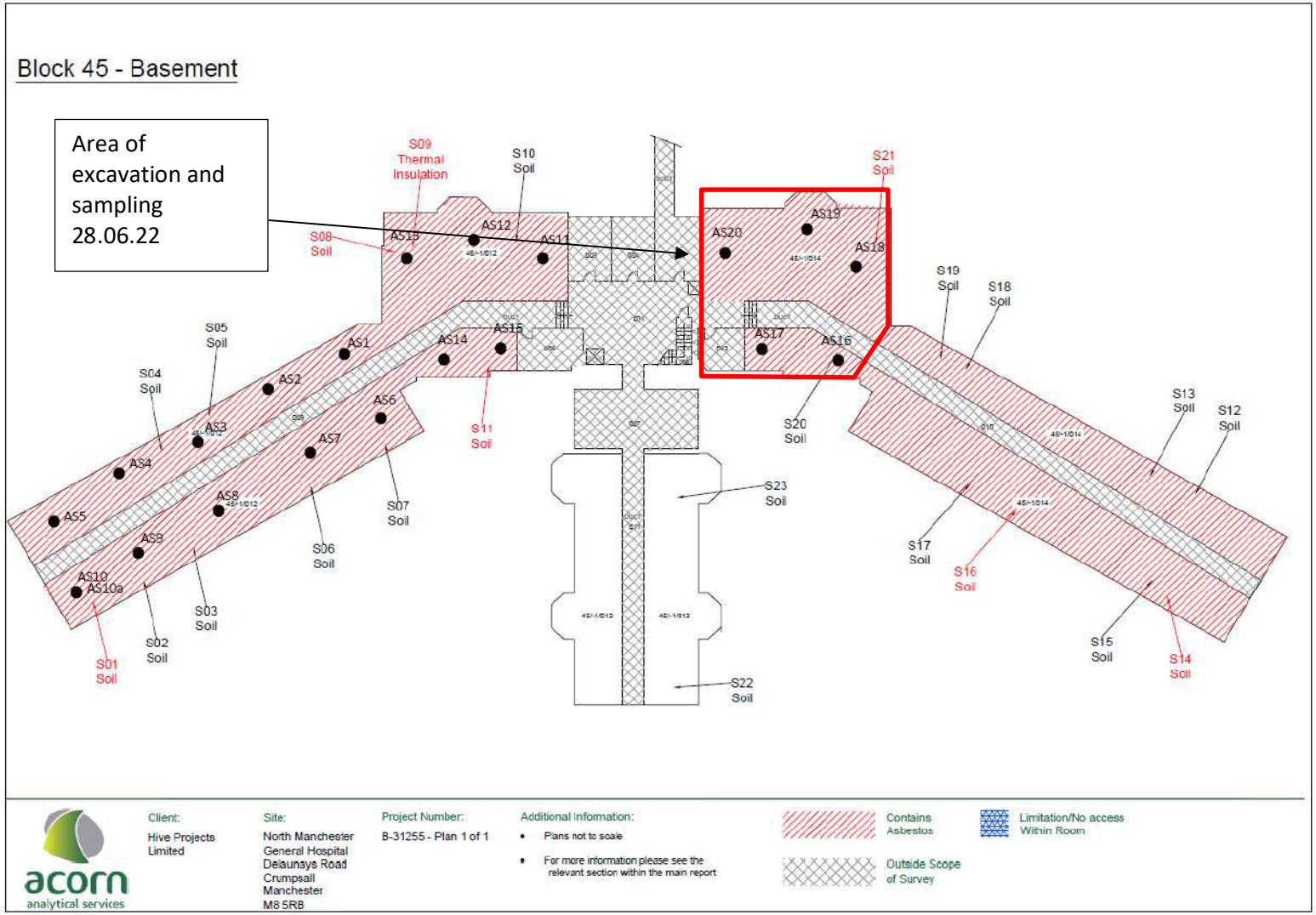
DAILY DIARY SHEET

Asbestos Sample Location Plan

- Asxx – Location of asbestos soil samples

AS1 – No Asbestos Detected.
AS2 – No Asbestos Detected
AS3 – No Asbestos Detected
AS4 – No Asbestos Detected
AS5 – No Asbestos Detected
AS6 – No Asbestos Detected
AS7 – No Asbestos Detected
AS8 – No Asbestos Detected
AS9 – No Asbestos Detected
AS10 – Chrysotile loose fibres
AS10a – No Asbestos Detected (a further sample was taken in location AS10 after additional 300mm soil removed)
AS11 – No Asbestos Detected
AS12 – No Asbestos Detected
AS13 – No Asbestos Detected
AS14 – No Asbestos Detected
AS15 – No Asbestos Detected
AS16 – No Asbestos Detected
AS17 – No Asbestos Detected
AS18 – No Asbestos Detected
AS19 – No Asbestos Detected
AS20 – No Asbestos Detected

Job No.: TE1650
Drawing Title: Asbestos Sample Location Plan
Drawing No.: TE1650-TE-00-XX-DR-GE-001-V03
Drawn by: ER
Approved by: AP
Date: 29/06/2022
Client: Morgan Sindall



Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

WA3 6AE

DAILY DIARY SHEET

Photo 1: Excavation in progress



Photo 2: Natural soils



Photo 3: Loading wagons



Photo 4: Site Progress



Tier Environmental Ltd
Chadwick House,
Birchwood Park,
Warrington
WA3 6AE

DAILY DIARY SHEET

CONTRACT TITLE:	North Manchester General Hospital (NMGH)
CONTRACT No.:	TE1650
VISITOR(S):	Eve Rowland
DATE OF VISIT:	18.07.22
STAFF ON SITE:	Tim – Morgan Sindall Kevin – LAR Dean – PP O'Connor Richard - Acorn
PLANT ON SITE:	PP O'Connor Excavator
WEATHER	Hot and Sunny/partly cloudy

Site Activities:

- Attendance to Site to start works.
- Western wing of block 45 (see diagram below).
- Concrete floor slab removed; Made Ground underneath. Excavated down to the natural soils (yellowish brown, clayey fine to coarse SAND).
- Natural soils were excavated down 200mm at which point 5 No. samples were taken spread across the excavated area (AS21 tot AS25).
- In total 9 No. wagon loads were removed from Site. (NB: discussion between Tier, Morgan Sindall and PP O'Connor led to the decision that wagons would only be filled approx. 75% to ensure that the cover could be put down completely as the spoil was asbestos containing).
- Unlike the first phase of works, the building demolition material had not been removed, this was deemed to be non-asbestos containing due to being quilled therefore this was removed separately. Once the concrete was reached, it and soils below were removed as hazardous waste.

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DAILY DIARY SHEET

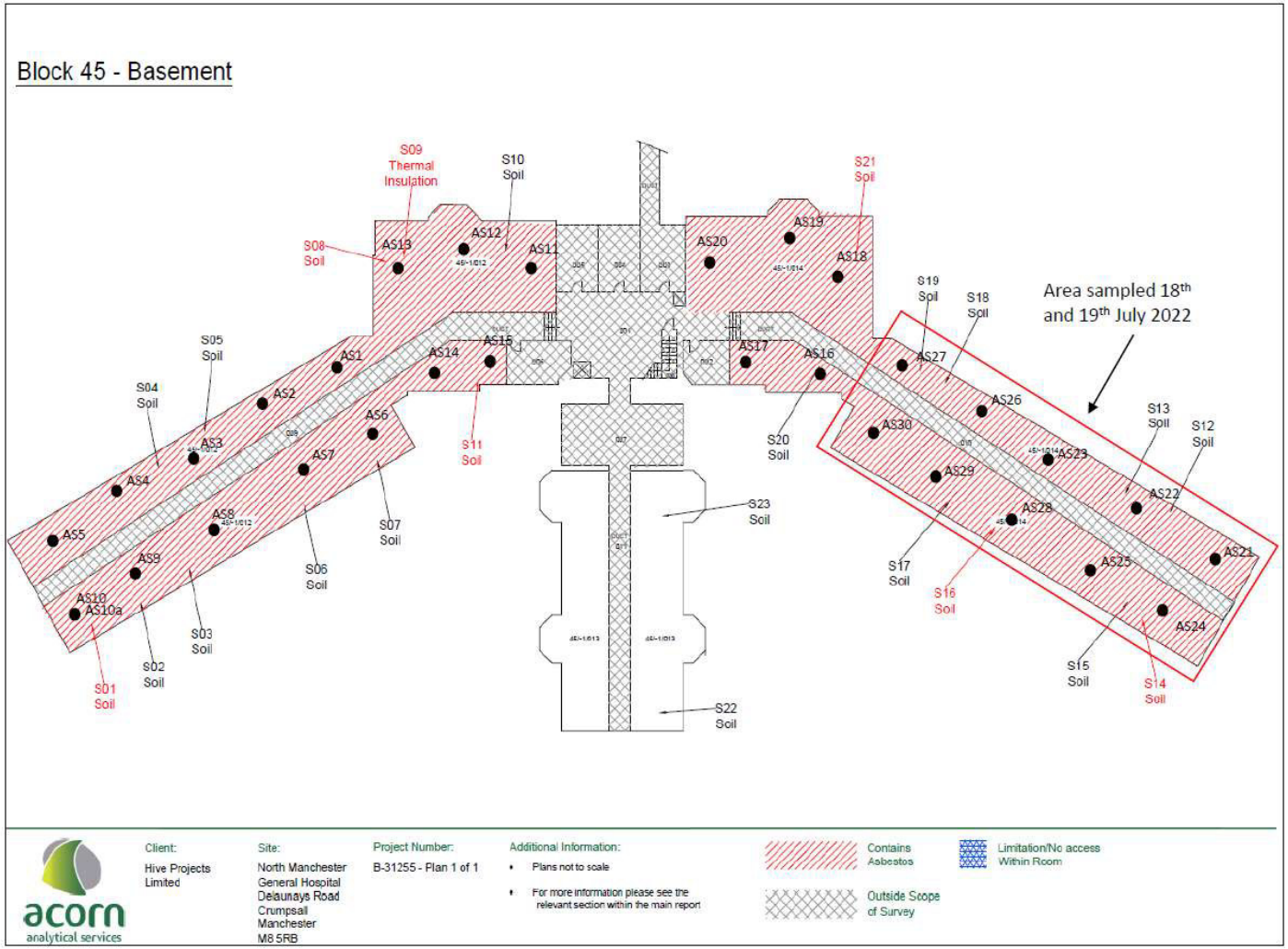
Asbestos Sample Location Plan

● Asxx – Location of asbestos soil samples

Samples AS1 to AS20 completed in first phase of works – June 2022 (please see drawing TE1650-TE-00-XX-DR-GE-001-V03 for details)

AS21 – Results due earliest of 21/07/22, latest of 22/07/22
AS22 – Results due earliest of 21/07/22, latest of 22/07/22
AS23 – Results due earliest of 21/07/22, latest of 22/07/22
AS24 – Results due earliest of 21/07/22, latest of 22/07/22
AS25 – Results due earliest of 21/07/22, latest of 22/07/22
AS26 – Results due earliest of 21/07/22, latest of 22/07/22
AS27 – Results due earliest of 21/07/22, latest of 22/07/22
AS28 – Results due earliest of 21/07/22, latest of 22/07/22
AS29 – Results due earliest of 21/07/22, latest of 22/07/22
AS30 - Results due earliest of 21/07/22, latest of 22/07/22

Job No.: TE1650
Drawing Title: Asbestos Sample Location Plan
Drawing No.: TE1650-TE-00-XX-DR-GE-001-V04
Drawn by: ER
Approved by: AP
Date: 19/07/2022
Client: Morgan Sindall



Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

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DAILY DIARY SHEET

Photo 1: Excavation in progress



Photo 2: Natural soils



Photo 3: Loading wagons



Photo 4: Site Progress



Tier Environmental Ltd
Chadwick House,
Birchwood Park,
Warrington
WA3 6AE

DAILY DIARY SHEET

CONTRACT TITLE:	North Manchester General Hospital (NMGH)
CONTRACT No.:	TE1650
VISITOR(S):	Eve Rowland
DATE OF VISIT:	19.07.22
STAFF ON SITE:	Tim – Morgan Sindall Kevin – LAR Dean – PP O'Connor Richard - Acorn
PLANT ON SITE:	PP O'Connor Excavator
WEATHER	Very Hot and Sunny

Site Activities:

- Attendance to Site to start works.
- Western wing of block 45 (see diagram below).
- Concrete floor slab removed; Made Ground underneath. Excavated down to the natural soils (yellowish brown, clayey fine to coarse SAND).
- Natural soils were excavated down 200mm at which point 5 No. samples were taken spread across the excavated area (AS25 tot AS30).
- In total 10 No. wagon loads were removed from Site. (NB: discussion between Tier, Morgan Sindall and PP O'Connor led to the decision that wagons would only be filled approx. 75% to ensure that the cover could be put down completely as the spoil was asbestos containing).
- Wing completed with both sides excavated.
- Unlike the first phase of works, the building demolition material had not been removed, this was deemed to be non-asbestos containing due to being quilled therefore this was removed separately. Once the concrete was reached, it and soils below were removed as hazardous waste.

Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

WA3 6AE

DAILY DIARY SHEET

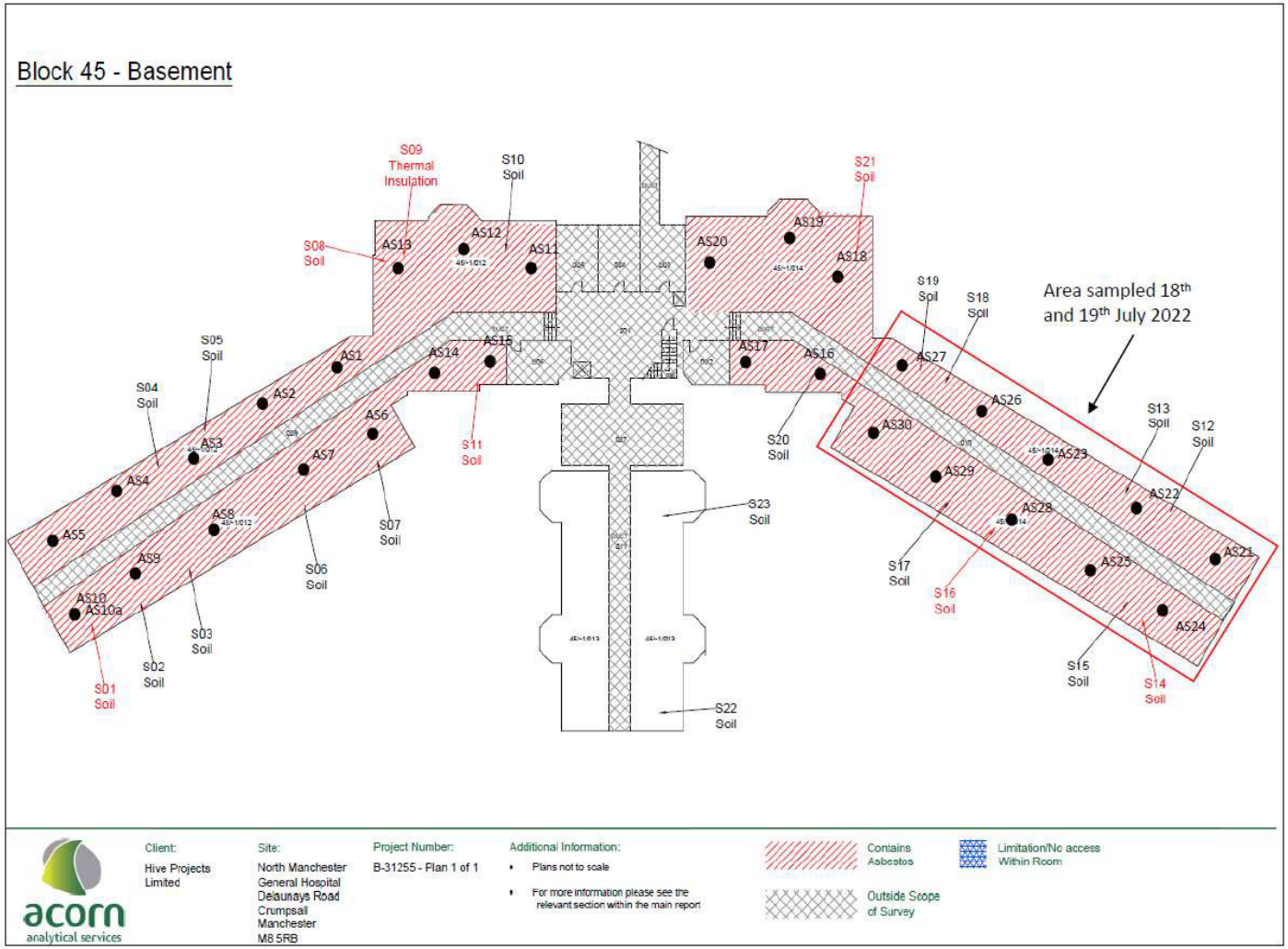
Asbestos Sample Location Plan

● Asxx – Location of asbestos soil samples

Samples AS1 to AS20 completed in first phase of works – June 2022 (please see drawing TE1650-TE-00-XX-DR-GE-001-V03 for details)

AS21 – Results due earliest of 21/07/22, latest of 22/07/22
AS22 – Results due earliest of 21/07/22, latest of 22/07/22
AS23 – Results due earliest of 21/07/22, latest of 22/07/22
AS24 – Results due earliest of 21/07/22, latest of 22/07/22
AS25 – Results due earliest of 21/07/22, latest of 22/07/22
AS26 – Results due earliest of 21/07/22, latest of 22/07/22
AS27 – Results due earliest of 21/07/22, latest of 22/07/22
AS28 – Results due earliest of 21/07/22, latest of 22/07/22
AS29 – Results due earliest of 21/07/22, latest of 22/07/22
AS30 - Results due earliest of 21/07/22, latest of 22/07/22

Job No.: TE1650
Drawing Title: Asbestos Sample Location Plan
Drawing No.: TE1650-TE-00-XX-DR-GE-001-V04
Drawn by: ER
Approved by: AP
Date: 19/07/2022
Client: Morgan Sindall

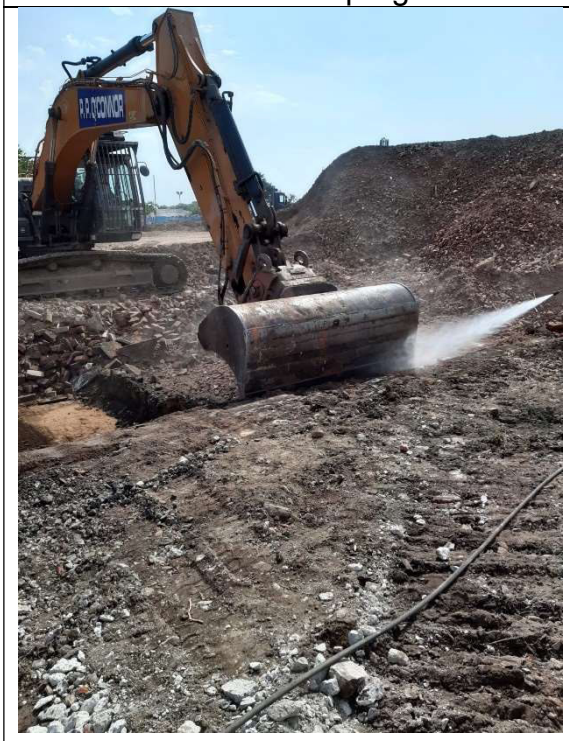


Tier Environmental Ltd

Chadwick House,
Birchwood Park,
Warrington

WA3 6AE

DAILY DIARY SHEET

Photo 1: Excavation in progress	Photo 2: Natural soils
	
Photo 3: Loading wagons	**Photo 4: Site Progress**
	

APPENDIX C – LABORATORY TESTING RESULTS

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 22/05987
Issue Number: 1 **Date:** 21 June, 2022

Client:
Tier Environmental Ltd
Suite 513
Chadwick House
Warrington Road
Birchwood Park
Warrington
UK
WA3 6AE

Project Manager: USE Mailing list/USE Mailing list 2
Project Name: NMGH
Project Ref: TE1650
Order No: TP0682
Date Samples Received: 17/06/22
Date Instructions Received: 20/06/22
Date Analysis Completed: 21/06/22

Approved by:



Richard Wong
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 22/05987

Client Project Name: NMGH

Client Project Ref: TE1650

Lab Sample ID	22/05987/1	22/05987/2	22/05987/3	22/05987/4	22/05987/5			Units	Limit of Detection	Method ref
Client Sample No	AS1	AS2	AS3	AS4	AS5					
Client Sample ID										
Depth to Top										
Depth To Bottom										
Date Sampled	17-Jun-22	17-Jun-22	17-Jun-22	17-Jun-22	17-Jun-22					
Sample Type	Soil	Soil	Soil	Soil	Soil					
Sample Matrix Code	5	5	5A	5A	5A					
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD					A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-					A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A					A-T-045

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve
EPH CWG results have humics mathematically subtracted through instrument calculation
TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

v2

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Tier Environmental Ltd, Suite 513, Chadwick House, Warrington Road, Birchwood Park, Warrington, UK, WA3 6AE

Project: NMGH

Clients Project No: TE1650

Project No: 22/05987

Date Received: 20/06/2022 (am)

Cool Box Temperatures (°C): 25.1

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples 5 ± 3°C), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	22/05987/1	22/05987/2	22/05987/3	22/05987/4	22/05987/5
Client Sample No	AS1	AS2	AS3	AS4	AS5
Client Sample ID/Depth					
Date Sampled	17/06/22	17/06/22	17/06/22	17/06/22	17/06/22
A-T-045	21/06/2022	21/06/2022	21/06/2022	21/06/2022	21/06/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT
SUPPLEMENT TO TEST REPORT 22/06024/1

Amendments: Request for Additional Analysis

Envirolab Job Number: 22/06024
Issue Number: 2 **Date:** 24 June, 2022

Client:
Tier Environmental Ltd
Suite 513
Chadwick House
Warrington Road
Birchwood Park
Warrington
UK
WA3 6AE

Project Manager: USE Mailing list/USE Mailing list 2
Project Name: NMGH
Project Ref: TE1650
Order No: TP0682
Date Samples Received: 20/06/22
Date Instructions Received: 20/06/22
Date Analysis Completed: 24/06/22

Approved by:



Holly Neary-King
Client Services Supervisor

UKAS TESTING
1247

Envirolab Job Number: 22/06024

Client Project Name: NMGH

Client Project Ref: TE1650

Lab Sample ID	22/06024/1	22/06024/2	22/06024/3	22/06024/4	22/06024/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	A.S.6	A.S.7	A.S.8	A.S.9	A.S.10					
Depth to Top	0.20	0.20	0.20	0.20	0.20					
Depth To Bottom										
Date Sampled	20-Jun-22	20-Jun-22	20-Jun-22	20-Jun-22	20-Jun-22					
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES					
Sample Matrix Code	4A	4A	5A	5A	5A					
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	Chrysotile					A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-					A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	Loose Fibres					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A					A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	-	-	-	<0.001			% w/w	0.001	A-T-054

REPORT NOTES

General

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The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve
Subscript "^" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.
EPH CWG results have humics mathematically subtracted through instrument calculation
TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

v2

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Tier Environmental Ltd, Suite 513, Chadwick House, Warrington Road, Birchwood Park, Warrington, UK, WA3 6AE

Project: NMGH

Clients Project No: TE1650

Project No: 22/06024

Date Received: 20/06/2022 (pm)

Cool Box Temperatures (°C): 19.2

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples 5 ± 3°C), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	22/06024/1	22/06024/2	22/06024/3	22/06024/4	22/06024/5
Client Sample No					
Client Sample ID/Depth	A.S.6 0.20m	A.S.7 0.20m	A.S.8 0.20m	A.S.9 0.20m	A.S.10 0.20m
Date Sampled	20/06/22	20/06/22	20/06/22	20/06/22	20/06/22
A-T-045	21/06/2022	21/06/2022	21/06/2022	21/06/2022	21/06/2022
A-T-054					24/06/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 22/06161
Issue Number: 1 **Date:** 27 June, 2022

Client:
Tier Environmental Ltd
Suite 513
Chadwick House
Warrington Road
Birchwood Park
Warrington
UK
WA3 6AE

Project Manager: USE Mailing list/USE Mailing list 2
Project Name: NMGH
Project Ref: TE1650
Order No: TP0682
Date Samples Received: 23/06/22
Date Instructions Received: 24/06/22
Date Analysis Completed: 27/06/22

Approved by:



Holly Neary-King
Client Services Supervisor

UKAS TESTING
1247

Envirolab Job Number: 22/06161

Client Project Name: NMGH

Client Project Ref: TE1650

Lab Sample ID	22/06161/1							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	A.S.10a									
Depth to Top	0.50									
Depth To Bottom										
Date Sampled	23-Jun-22									
Sample Type	Soil									
Sample Matrix Code	4									
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	NAD									A-T-045
Asbestos Matrix (visual)$_D$	-									A-T-045
Asbestos Matrix (microscope)$_D$	-									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A									A-T-045

REPORT NOTES

General

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The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve
Subscript "^" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.
EPH CWG results have humics mathematically subtracted through instrument calculation
TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

v2

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Tier Environmental Ltd, Suite 513, Chadwick House, Warrington Road, Birchwood Park, Warrington, UK, WA3 6AE

Project: NMGH

Clients Project No: TE1650

Project No: 22/06161

Date Received: 24/06/2022 (am)

Cool Box Temperatures (°C): 20.0

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples 5 ± 3°C), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	22/06161/1
Client Sample No	
Client Sample ID/Depth	A.S.10a 0.50m
Date Sampled	23/06/22
A-T-045	27/06/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 22/06219
Issue Number: 1 **Date:** 28 June, 2022

Client:
Tier Environmental Ltd
Suite 513
Chadwick House
Warrington Road
Birchwood Park
Warrington
UK
WA3 6AE

Project Manager: USE Mailing list/USE Mailing list 2
Project Name: NMGH
Project Ref: TE1650
Order No: TE1650
Date Samples Received: 24/06/22
Date Instructions Received: 27/06/22
Date Analysis Completed: 28/06/22

Approved by:



Holly Neary-King
Client Services Supervisor

UKAS TESTING
1247

Envirolab Job Number: 22/06219

Client Project Name: NMGH

Client Project Ref: TE1650

Lab Sample ID	22/06219/1	22/06219/2	22/06219/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	AS11	AS12	AS13							
Depth to Top										
Depth To Bottom										
Date Sampled										
Sample Type	Soil	Soil	Soil							
Sample Matrix Code										
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD							A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-							A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A							A-T-045

REPORT NOTES

General

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The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve
Subscript "^" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.
EPH CWG results have humics mathematically subtracted through instrument calculation
TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

v2

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Tier Environmental Ltd, Suite 513, Chadwick House, Warrington Road, Birchwood Park, Warrington, UK, WA3 6AE

Project: NMGH

Clients Project No: TE1650

Project No: 22/06219

Date Received: 27/06/2022 (am)

Cool Box Temperatures (°C): 22.4

Lab Sample ID	22/06219/1	22/06219/2	22/06219/3
Client Sample No			
Client Sample ID/Depth	AS11	AS12	AS13
Date Sampled			
Deviation Code			
E (no date)	✓	✓	✓

Key
E (no date) *No sampling date provided (all results affected if not provided)*

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	22/06219/1	22/06219/2	22/06219/3
Client Sample No			
Client Sample ID/Depth	AS11	AS12	AS13
Date Sampled			
A-T-045	28/06/2022	28/06/2022	28/06/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 22/06262
Issue Number: 1 **Date:** 29 June, 2022

Client:
Tier Environmental Ltd
Suite 513
Chadwick House
Warrington Road
Birchwood Park
Warrington
UK
WA3 6AE

Project Manager: USE Mailing list/USE Mailing list 2
Project Name: Not specified
Project Ref: TE1650
Order No: TP0682
Date Samples Received: 27/06/22
Date Instructions Received: 28/06/22
Date Analysis Completed: 29/06/22

Approved by:



Holly Neary-King
Client Services Supervisor

UKAS TESTING
1247

Envirolab Job Number: 22/06262

Client Project Name: Not specified

Client Project Ref: TE1650

Lab Sample ID	22/06262/1	22/06262/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	A.S.14	A.S.15								
Depth to Top	0.20	0.20								
Depth To Bottom										
Date Sampled	27-Jun-22	27-Jun-22								
Sample Type	Soil	Soil								
Sample Matrix Code										
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD								A-T-045
Asbestos Matrix (visual)$_{D}$	-	-								A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A								A-T-045

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve
Subscript "^" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.
EPH CWG results have humics mathematically subtracted through instrument calculation
TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

v2

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Tier Environmental Ltd, Suite 513, Chadwick House, Warrington Road, Birchwood Park, Warrington, UK, WA3 6AE

Project:

Clients Project No: TE1650

Project No: 22/06262

Date Received: 28/06/2022 (am)

Cool Box Temperatures (°C): 19.7

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	22/06262/1	22/06262/2
Client Sample No		
Client Sample ID/Depth	A.S.14 0.20m	A.S.15 0.20m
Date Sampled	27/06/22	27/06/22
A-T-045	29/06/2022	29/06/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 22/06314
Issue Number: 1 **Date:** 29 June, 2022

Client:
Tier Environmental Ltd
Suite 513
Chadwick House
Warrington Road
Birchwood Park
Warrington
UK
WA3 6AE

Project Manager: USE Mailing list/USE Mailing list 2
Project Name: NMGH
Project Ref: TE1650
Order No: TP0682
Date Samples Received: 28/06/22
Date Instructions Received: 28/06/22
Date Analysis Completed: 29/06/22

Approved by:



Holly Neary-King
Client Services Supervisor

UKAS TESTING
1247

Envirolab Job Number: 22/06314

Client Project Name: NMGH

Client Project Ref: TE1650

Lab Sample ID	22/06314/1	22/06314/2	22/06314/3	22/06314/4	22/06314/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	A.S.16	A.S.17	A.S.18	A.S.19	A.S.20					
Depth to Top										
Depth To Bottom										
Date Sampled	28-Jun-22	28-Jun-22	28-Jun-22	28-Jun-22	28-Jun-22					
Sample Type	Soil	Soil	Soil	Soil	Soil					
Sample Matrix Code										
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD					A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-					A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A					A-T-045

REPORT NOTES

General

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Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve
Subscript "^" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.
EPH CWG results have humics mathematically subtracted through instrument calculation
TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

v2

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Tier Environmental Ltd, Suite 513, Chadwick House, Warrington Road, Birchwood Park, Warrington, UK, WA3 6AE

Project: NMGH

Clients Project No: TE1650

Project No: 22/06314

Date Received: 28/06/2022 (pm)

Cool Box Temperatures (°C): 19.0

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	22/06314/1	22/06314/2	22/06314/3	22/06314/4	22/06314/5
Client Sample No					
Client Sample ID/Depth	A.S.16	A.S.17	A.S.18	A.S.19	A.S.20
Date Sampled	28/06/22	28/06/22	28/06/22	28/06/22	28/06/22
A-T-045	29/06/2022	29/06/2022	29/06/2022	29/06/2022	29/06/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 22/07076
Issue Number: 1 **Date:** 21 July, 2022

Client:
Tier Environmental Ltd
Suite 513
Chadwick House
Warrington Road
Birchwood Park
Warrington
UK
WA3 6AE

Project Manager: USE Mailing list/USE Mailing list 2
Project Name: Not specified
Project Ref: TE1650
Order No: TP0682
Date Samples Received: 19/07/22
Date Instructions Received: 20/07/22
Date Analysis Completed: 21/07/22

Approved by:



Richard Wong
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 22/07076

Client Project Name: Not specified

Client Project Ref: TE1650

Lab Sample ID	22/07076/1	22/07076/2	22/07076/3	22/07076/4	22/07076/5	22/07076/6	22/07076/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	A.S.21	A.S.22	A.S.23	A.S.24	A.S.25	A.S.26	A.S.27			
Depth to Top										
Depth To Bottom										
Date Sampled	19-Jul-22	19-Jul-22	19-Jul-22	19-Jul-22	19-Jul-22	19-Jul-22	19-Jul-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	5A	4A	4A	4A	4A	4A	4A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

Envirolab Job Number: 22/07076

Client Project Name: Not specified

Client Project Ref: TE1650

Lab Sample ID	22/07076/8	22/07076/9	22/07076/10					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	A.S.28	A.S.29	A.S.30							
Depth to Top										
Depth To Bottom										
Date Sampled	19-Jul-22	19-Jul-22	19-Jul-22							
Sample Type	Soil	Soil	Soil							
Sample Matrix Code	4A	5A	4A							
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD							A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-							A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A							A-T-045

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,
E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
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Subscript "A" indicates analysis performed on the sample as received.
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Subscript "^" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.
EPH CWG results have humics mathematically subtracted through instrument calculation
TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

v2

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Tier Environmental Ltd, Suite 513, Chadwick House, Warrington Road, Birchwood Park, Warrington, UK, WA3 6AE

Project:

Clients Project No: TE1650

Project No: 22/07076

Date Received: 20/07/2022 (am)

Cool Box Temperatures (°C): 23.4

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples 5 ± 3°C), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	22/07076/1	22/07076/2	22/07076/3	22/07076/4	22/07076/5	22/07076/6	22/07076/7	22/07076/8	22/07076/9	22/07076/10
Client Sample No										
Client Sample ID/Depth	A.S.21	A.S.22	A.S.23	A.S.24	A.S.25	A.S.26	A.S.27	A.S.28	A.S.29	A.S.30
Date Sampled	19/07/22	19/07/22	19/07/22	19/07/22	19/07/22	19/07/22	19/07/22	19/07/22	19/07/22	19/07/22
A-T-045	21/07/2022	21/07/2022	21/07/2022	21/07/2022	21/07/2022	21/07/2022	21/07/2022	21/07/2022	21/07/2022	21/07/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

APPENDIX D – AIR MONORTING CERTIFICATES

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	**Report No.:**	73803	**Page**	1	**of**	3
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**	LAR Ltd		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**	Kevin Pickering		
				No. Additional Operatives:	N/A		
				Start Time:	08:00		
Contact:	James Hodder			**Finish Time:**	15:00		
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45

ACM Removed: Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins. PP O'Connor, and Tier (environmental consultants)

Acorn to carry out far source, Near source and personal air monitoring around the perimeter of demolition site and the exclusion zone.

09:45 - meeting held between all site staff to discuss days activities.

11:45 - Waiting for machine operator to be face fit tested and wagons to arrive.

12:45 - Acorn advised works delayed, due to waste site issues. Job to commence 17/06/22.

Weather conditions - Clear sky's mostly sunny with low winds.

All air monitoring complete, results return a satisfactory fibre concentration level of <0.010f/ml.

Acorn inform Morgan Sindall of all results.

Acorn leave site.

Analyst Name:	Richard Atkin	**Signed:**		**Date:**	16/06/2022

Daily Analytical Paperwork
Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	73803	**Page Number**	2	**of**	3
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			RA
2	80	136	NS	Around perimeter of exclusion zone	10:41	11:41	60	8.5	8.5	8.5	510	4.5	188	0.009	0.002	<0.010	RA
3	98	142	NS	Around perimeter of exclusion zone	10:42	11:42	60	8.5	8.5	8.5	510	5	188	0.009	0.003	<0.010	RA
4	104	143	FS	Around perimeter of demolition works	12:20	14:20	120	8.0	8.0	8.0	960	2.5	100	0.005	0.001	<0.010	RA
5	80	144	FS	Around perimeter of demolition works	12:21	14:21	120	8.0	8.0	8.0	960	3	100	0.005	0.002	<0.010	RA
6	98	145	NS	Around perimeter of exclusion zone	13:23	14:23	60	8.5	8.5	8.5	510	3.5	188	0.009	0.002	<0.010	RA
7	104	146	NS	Around perimeter of exclusion zone	13:24	14:24	60	8.5	8.5	8.5	510	3	188	0.009	0.002	<0.010	RA
8				End													
9																	
10																	
11																	
12																	

Analyst Name:	Richard Atkin	**Signed:**		**Date:**	16/06/2022

Daily Analytical Paperwork
Diagram Photo Reference Sheet

Project No.:	B-37287	Report No.:	73803	Page	3	of	3
Client Details		**Site Details**		**Key to Diagram**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	Airlock/Baglock Chamber		Enclosure Material	
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	Negative Pressure Unit		2	Pump Location and Sample No.
Contact:	James Hodder						
Tel No.:	0161 874 1000	**Contractor:**					
Email:	James.hodder@morgansindall.com	LAR Ltd					

Diagram



Block 45 - Demolition works & watching brief



Demolition perimeter zone



Decontamination Zone



Exclusion zone



Analyst Name:	Richard Atkin	Signed:		Date:	16/06/2022

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	Report No.:	73804	Page	1	of	4
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**		LAR Ltd	
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**		Kevin Pickering	
				No. Additional Operatives:		N/A	
				Start Time:		08:00	
Contact:	James Hodder			**Finish Time:**		15:00	
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45

ACM Removed: Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins. PP O'Connor, and Tier (environmental consultants)

Acorn to carry out far source, Near source and personal air monitoring around the perimeter of demolition site and the exclusion zone.

Excavation works commence on block 45 basement area.

Weather conditions - Clear sky's sunny with low to moderate winds.

All air monitoring complete, results return a satisfactory fibre concentration level of <0.010f/ml. Personal sample also satisfactory.

Acorn inform Morgan Sindall of all results.

Acorn leave site.

Analyst Name:	Richard Atkin	Signed:		Date:	17/06/2022

Daily Analytical Paperwork
Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	73804	**Page Number**	2	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			RA
2	80	136	NS	Around perimeter of exclusion zone	08:15	10:15	120	4.5	4.5	4.5	540	2	178	0.009	0.001	<0.010	RA
3	94	142	NS	Around perimeter of exclusion zone	08:15	10:15	120	4.5	4.5	4.5	540	1.5	178	0.009	0.001	<0.010	RA
4	98	143	FS	Around perimeter of demolition works	08:16	10:16	120	8.0	8.0	8.0	960	2	100	0.005	0.001	<0.005	RA
5	104	144	FS	Around perimeter of demolition works	08:17	10:16	120	8.0	8.0	8.0	960	1	100	0.005	0.001	<0.005	RA
6	80	120	NS	Around perimeter of exclusion zone	10:35	12:35	120	4.5	4.5	4.5	540	2.5	178	0.009	0.001	<0.010	RA
7	94	144	NS	Around perimeter of exclusion zone	10:35	12:35	120	4.5	4.5	4.5	540	3	178	0.009	0.002	<0.010	RA
8	98	145	FS	Around perimeter of demolition works	10:36	12:36	120	8.0	8.0	8.0	960	3	100	0.005	0.002	<0.005	RA
9	104	146	FS	Around perimeter of demolition works	10:36	12:36	120	8.0	8.0	8.0	960	3.5	100	0.005	0.002	<0.005	RA
10	80	136	NS	Around perimeter of exclusion zone	13:15	14:15	60	8.5	8.5	8.5	510	4	188	0.009	0.002	<0.010	RA
11	94	142	NS	Around perimeter of exclusion zone	13:15	14:15	60	8.5	8.5	8.5	510	4	188	0.009	0.002	<0.010	RA
12				End													

Analyst Name:	Richard Atkin	**Signed:**		**Date:**	17/06/2022

Daily Analytical Paperwork
Diagram Photo Reference Sheet

Project No.:	B-37287	Report No.:	73804	Page	3	of	4

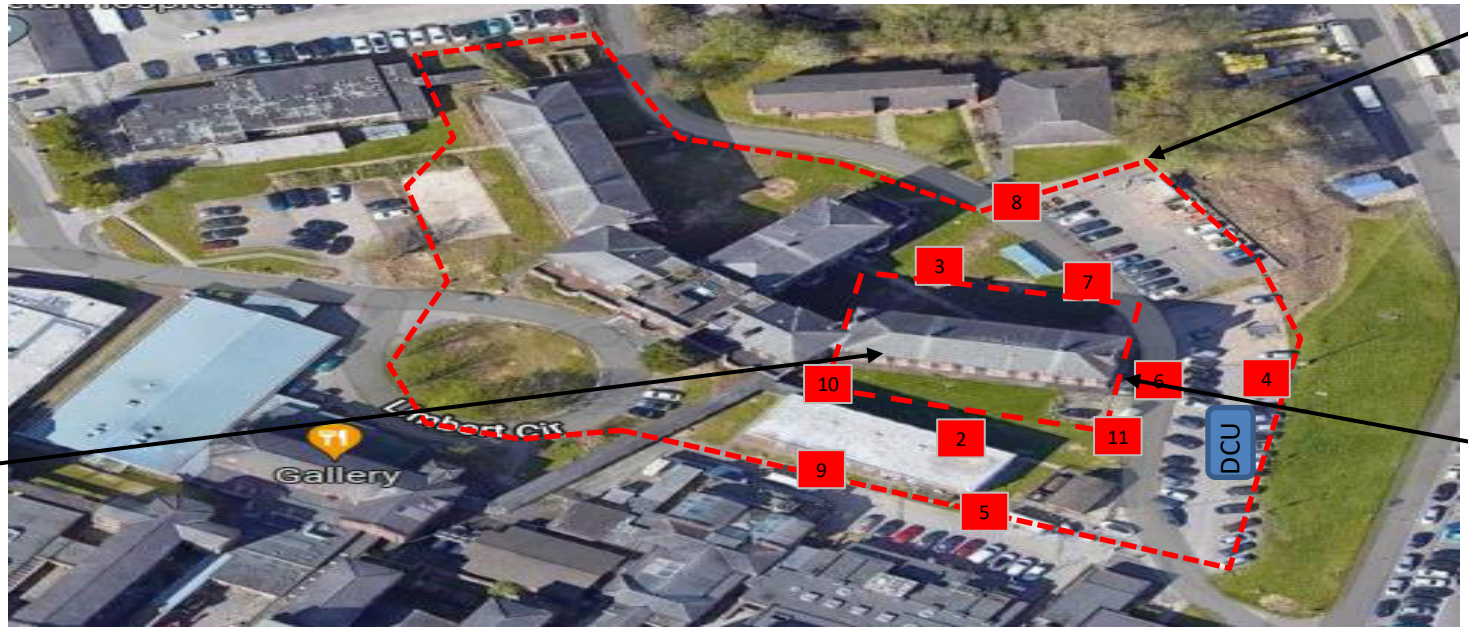
Client Details		Site Details		Key to Diagram
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	Site Address:	North Manchester General Hospital Block 45 Limbert House Crumpsall Manchester M8 5RB	Airlock/Baglock Chamber; Enclosure Material; Negative Pressure Unit; 2 = Pump Location and Sample No.
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW			
Contact:	James Hodder			
Tel No.:	0161 874 1000	Contractor:		
Email:	James.hodder@morgansindall.com	LAR Ltd		

Diagram





Block 45 - Demolition works & watching brief



Demolition perimeter zone



Exclusion zone



Analyst Name:	Richard Atkin	Signed:		Date:	17/06/2022

Daily Analytical Paperwork
Personal Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	Certificate No.:	73804	Page Number	4	of	4
Client Details		**Site Details**		Microscope No	600753		
Name:	an Sindall Construction & Infrastructu	Site Address:	North Manchester General Hospital	Stage Micrometer	SM034		
Address:	2 Anchorage Quays, Salford Quays		Block 45 Limbert House	NPL Test Slide Number	7795		
	Manchester		Crumpsall	Visible Bands	5		
	M50 3YW		Manchester	Flow Meter	LF		
Contact:	James Hodder		M8 5RB	Measured Graticule Diameter (um) - d	100		
Tel No.:	0161 874 1000	**Contractor**		Tally Counters	18&21	Stopwatch	47
Email:	James.hodder@morgansindall.com	LAR Ltd		Diameter of exposed filter (mm) - D	22.4	Batch No	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions
PS Personal Sample

Sample Number	Details of work being undertaken (Include method and controls in place)
Sample 15	Paul is operating the excavator digging down 200mm from outside the exclusion zone, wearing cat 3 type 5/6 coveralls and p3 half face mask. Machine windows and doors are to remain closed at all times.
Sample 16	Kevin is operating the jet wash dampening down the dig area with power washer, wearing cat 3 type 5/6 coveralls and half face mask. Works being carried out within exclusion zone area.
Sample 17	End
Sample 18	

Sample No.	Pump No.	Cowl No.	Test	Operative Name	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial	Final	Avg (F)					Calculated Result f/ml	Recorded Result f/ml	
15	AP14	150	PS	Paul Sweeting	08:15	11:00	165	1.0	1.0	1.0	165	1	200	0.029	0.002	<0.020	RA
16	AP14	150	PS	Kevin Pickering	11:30	12:30	60	2.0	2.0	2.0	120	1.5	200	0.040	0.003	<0.040	RA
17				End													
18																	
Analyst Name:				Richard Atkin	**Signed:**								**Date:**		17/06/2022		

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	**Report No.:**	72579	**Page**	1	**of**	4
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**	LAR Ltd		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**	Kevin Pickering		
				No. Additional Operatives:	N/A		
				Start Time:	08:00		
Contact:	James Hodder			**Finish Time:**	15:00		
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45 **ACM Removed:** Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins. PP O'Connor, and Tier (environmental consultants)

Acorn to carry out far source, Near source and personal air monitoring around the perimeter of demolition site and the exclusion zone.

Excavation works commence on block 45 basement area.

Weather conditions - Clear sky's sunny with low to moderate winds.

Air monitoring started 08:36

Personal air monitoring undertaken in todays shift.

All air monitoring yielded a satisfactory result at <0.010f/ml.

Acorn inform LAR of the results.

Acorn leave site.

Analyst Name:	Greg Allen	**Signed:**		**Date:**	20/06/2022

Daily Analytical Paperwork
Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	72579	**Page Number**	2	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			GA
2	257	235	FS	Around perimeter of exclusion zone	08:36	10:37	121	8.0	8.0	8.0	968	1	99	0.005	0.001	<0.005	GA
3	265	70	NS	Around perimeter of demolition works	08:42	10:38	116	4.5	4.5	4.5	522	1.5	184	0.009	0.001	<0.010	GA
4	256	79	NS	Around perimeter of demolition works	08:43	10:39	116	4.5	4.5	4.5	522	1	184	0.009	0.001	<0.010	GA
5	113	235	NS	Around perimeter of demolition works	11:05	13:05	120	4.5	4.5	4.5	540	1.5	178	0.009	0.001	<0.010	GA
6	265	70	NS	Around perimeter of demolition works	11:07	13:08	121	4.5	4.5	4.5	545	3.5	176	0.009	0.002	<0.010	GA
7	257	79	FS	Around perimeter of exclusion zone	11:09	13:10	121	8.0	8.0	8.0	968	2	99	0.005	0.001	<0.005	GA
8	113	105	FS	Around perimeter of demolition works	13:25	15:27	122	4.5	4.5	4.5	549	2	175	0.009	0.001	<0.010	GA
9	265	235	NS	Around perimeter of exclusion zone	13:26	15:30	124	8.0	8.0	8.0	992	2.5	97	0.005	0.001	<0.005	GA
10	257	79	FS	Around perimeter of demolition works	13:27	15:31	124	4.5	4.5	4.5	558	2	172	0.009	0.001	<0.010	GA
11				END													
12																	

Analyst Name:	Greg Allen	**Signed:**		**Date:**	20/06/2022

Daily Analytical Paperwork
Diagram Photo Reference Sheet

Project No.:	B-37287	Report No.:	72579	Page	3	of	4

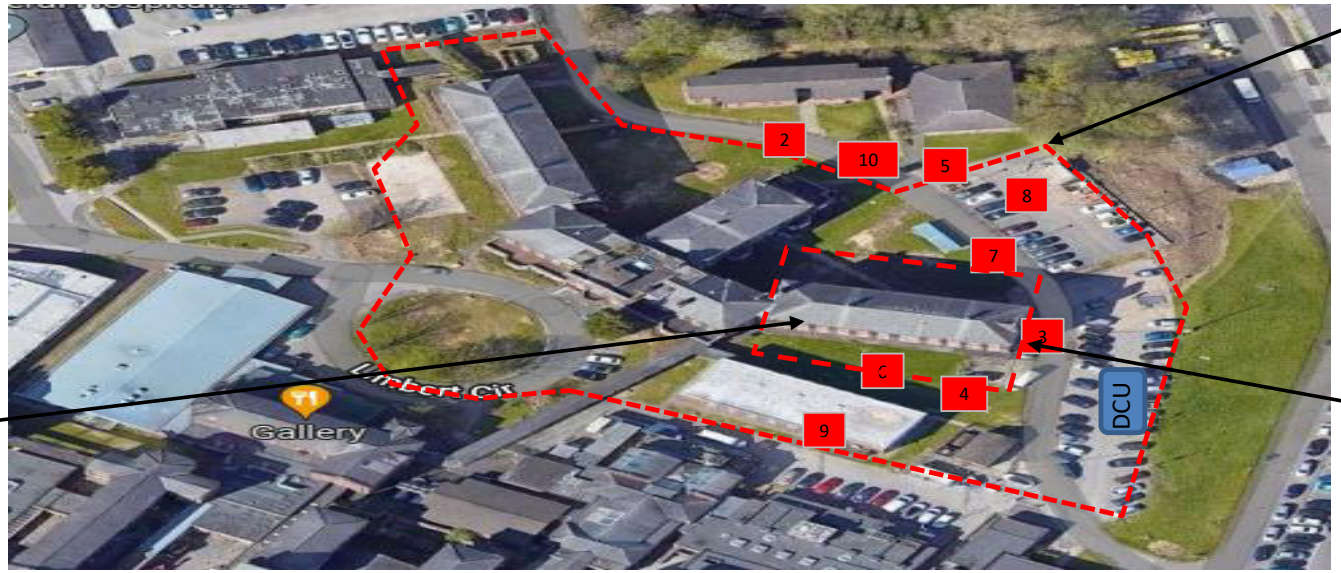
Client Details		Site Details		Key to Diagram
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	Site Address:	North Manchester General Hospital Block 45 Limbert House Crumpsall Manchester M8 5RB	Airlock/Baglock Chamber; Enclosure Material; Negative Pressure Unit; Pump Location and Sample No.
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW			
Contact:	James Hodder			
Tel No.:	0161 874 1000	Contractor:		
Email:	James.hodder@morgansindall.com	LAR Ltd		

Diagram





Block 45 - Demolition works & watching brief



Demolition perimeter zone



Exclusion zone



Analyst Name:	Greg Allen	Signed:		Date:	20/06/2022

Daily Analytical Paperwork
Personal Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	72579	**Page Number**	4	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	an Sindall Construction & Infrastructu	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	LF		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions
PS Personal Sample

Sample Number	Details of work being undertaken (Include method and controls in place)
Sample 15	Eve Rowland is operating the jet wash dampening down the dig area with power washer, wearing cat 3 type 5/6 coveralls and half face mask. Works being carried out within exclusion zone area.
Sample 16	END
Sample 17	
Sample 18	

Sample No.	Pump No.	Cowl No.	Test	Operative Name	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial	Final	Avg (F)					Calculated Result f/ml	Recorded Result f/ml	
15	AP17	105	PS	Eve Rowland	09:20	11:34	134	1.0	1.0	1.0	134	2.5	200	0.036	0.005	<0.036	GA
16																	
17																	
18																	

Analyst Name:	Greg Allen	**Signed:**		**Date:**	20/06/2022

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	**Report No.:**	72581	**Page**	1	**of**	4
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**	LAR Ltd		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**	Kevin Pickering		
				No. Additional Operatives:	N/A		
				Start Time:	08:00		
Contact:	James Hodder			**Finish Time:**	15:45		
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45 **ACM Removed:** Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins. PP O'Connor, and Tier (environmental consultants)

Acorn to carry out far source air monitoring around the perimeter of demolition site.

Excavation works commence on block 45 basement area.

Weather conditions - Clear sky's sunny with low to moderate winds.

Air monitoring started at 08:25

Personal air monitoring undertaken on Eve Rowland in todays shift.

All near source air monitoring yielded a satisfactory result at <0.010f/ml.

Acorn inform LAR of the results.

Acorn leave site.

Analyst Name:	Greg Allen	**Signed:**		**Date:**	23/06/2022

Daily Analytical Paperwork
Air Monitoring Certificate

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acorn analytical services

Project No.:	B-37287	**Certificate No.:**	72581	**Page Number**	2	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			GA
2	265	70	NS	Around perimeter of Exclusion Zone works	08:25	10:26	121	4.5	4.5	4.5	545	3	176	0.009	0.002	<0.010	GA
3	256	79	NS	Around perimeter of Exclusion Zone works	08:26	10:27	121	4.5	4.5	4.5	545	3	176	0.009	0.002	<0.010	GA
4	267	105	NS	Around perimeter of Exclusion Zone works	08:27	10:28	121	4.5	4.5	4.5	545	3.5	176	0.009	0.002	<0.010	GA
5	113	70	NS	Around perimeter of Exclusion Zone works	11:10	13:10	120	4.5	4.5	4.5	540	3	178	0.009	0.002	<0.010	GA
6	256	79	NS	Around perimeter of Exclusion Zone works	11:11	13:11	120	4.5	4.5	4.5	540	2.5	178	0.009	0.001	<0.010	GA
7	267	105	NS	Around perimeter of Exclusion Zone works	11:12	13:12	120	4.5	4.5	4.5	540	2	178	0.009	0.001	<0.010	GA
8	113	70	NS	Around perimeter of Exclusion Zone works	13:20	15:23	123	4.5	4.5	4.5	554	2.5	173	0.009	0.001	<0.010	GA
9	256	105	NS	Around perimeter of Exclusion Zone works	13:21	15:24	123	4.5	4.5	4.5	554	2	173	0.009	0.001	<0.010	GA
10	267	274	NS	Around perimeter of Exclusion Zone works	13:22	15:25	123	4.5	4.5	4.5	554	2	173	0.009	0.001	<0.010	GA
11				END													
12																	
Analyst Name:				Greg Allen	**Signed:**								**Date:**	23/06/2022			

Daily Analytical Paperwork
Diagram Photo Reference Sheet

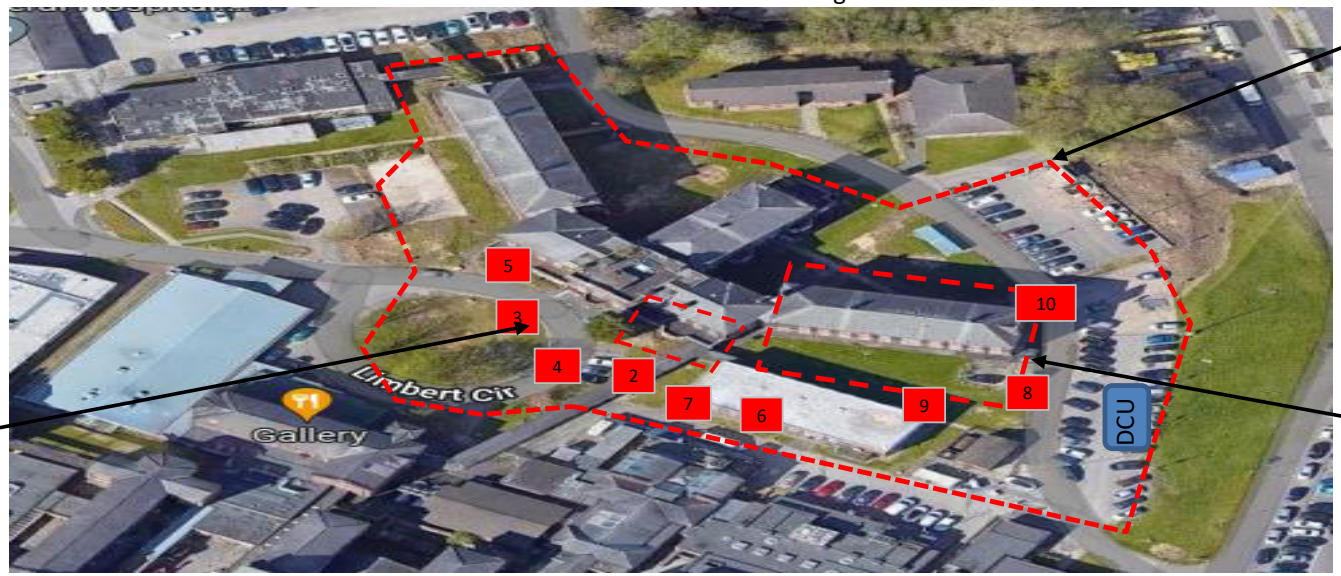
Project No.:	B-37287	Report No.:	72581	Page	3	of	4
Client Details		**Site Details**		**Key to Diagram**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital Block 45 Limbert House Crumpsall Manchester M8 5RB	Airlock/Baglock Chamber		Enclosure Material	
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW			Negative Pressure Unit		Pump Location and Sample No.	2
Contact:	James Hodder						
Tel No.:	0161 874 1000	**Contractor:**					
Email:	James.hodder@morgansindall.com	LAR Ltd					

Diagram





Block 45 - Demolition works & watching brief



Demolition perimeter zone



Exclusion zone



Analyst Name:	Greg Allen	Signed:		Date:	23/06/2022

Daily Analytical Paperwork
Personal Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	72581	**Page Number**	4	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	an Sindall Construction & Infrastructu	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	LF		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions
PS Personal Sample

Sample Number	Details of work being undertaken (Include method and controls in place)
Sample 15	Eve Rowland is operating the jet wash dampening down the dig area with power washer, wearing cat 3 type 5/6 coveralls and half face mask. Works being carried out within exclusion zone area.
Sample 16	
Sample 17	
Sample 18	

Sample No.	Pump No.	Cowl No.	Test	Operative Name	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial	Final	Avg (F)					Calculated Result f/ml	Recorded Result f/ml	
15	AP17	274	PS	Eve Rowland	11:02	12:04	62	2.5	2.5	2.5	155	4	200	0.031	0.006	<0.031	GA
16																	
17																	
18																	

Analyst Name:	Greg Allen	**Signed:**		**Date:**	23/06/2022

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	**Report No.:**	73805	**Page**	1	**of**	4
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**	LAR Ltd		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**	Kevin Pickering		
				No. Additional Operatives:	N/A		
				Start Time:	08:00		
Contact:	James Hodder			**Finish Time:**	15:45		
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45

ACM Removed: Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins

Acorn to carry out far source, Near source and personal air monitoring around the perimeter of demolition site and the exclusion zone.

Excavation works continue on block 45 basement area.

Weather conditions - Cloudy with very heavy rain. No near/far source air monitoring carried out during very heavy rainfall.

All air monitoring complete, results return a satisfactory fibre concentration level of <0.010f/ml. Personal sample also satisfactory.

Acorn inform Morgan Sindall of all results.

Acorn leave site.

Analyst Name:	Richard Atkin	**Signed:**		**Date:**	27/06/2022

Daily Analytical Paperwork
Air Monitoring Certificate

Project No.:	B-37287	**Certificate No.:**	73805	**Page Number**	2	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			RA
2	80	136	NS	Around perimeter of exclusion zone	09:02	11:02	120	4.5	4.5	4.5	540	1.5	178	0.009	0.001	<0.010	RA
3	94	142	NS	Around perimeter of exclusion zone	09:02	11:02	120	4.5	4.5	4.5	540	4	178	0.009	0.002	<0.010	RA
4	98	143	NS	Around perimeter of exclusion zone	09:04	11:03	119	4.5	4.5	4.5	536	3.5	179	0.009	0.002	<0.010	RA
5	104	144	NS	Around perimeter of exclusion zone	09:04	11:04	120	4.5	4.5	4.5	540	2	178	0.009	0.001	<0.010	RA
6	80	120	NS	Around perimeter of exclusion zone	13:02	15:03	121	4.5	4.5	4.5	545	2	176	0.009	0.001	<0.010	RA
7	94	144	NS	Around perimeter of exclusion zone	13:02	15:03	121	4.5	4.5	4.5	545	2.5	176	0.009	0.001	<0.010	RA
8	98	145	NS	Around perimeter of exclusion zone	13:03	15:03	120	4.5	4.5	4.5	540	2	178	0.009	0.001	<0.010	RA
9	104	146	NS	Around perimeter of exclusion zone	13:03	15:04	121	4.5	4.5	4.5	545	3	176	0.009	0.002	<0.010	RA
10				End													
11																	
12																	

Analyst Name:	Richard Atkin	**Signed:**		**Date:**	27/06/2022

Daily Analytical Paperwork
Diagram Photo Reference Sheet

Project No.:	B-37287	Report No.:	73805	Page	3	of	4

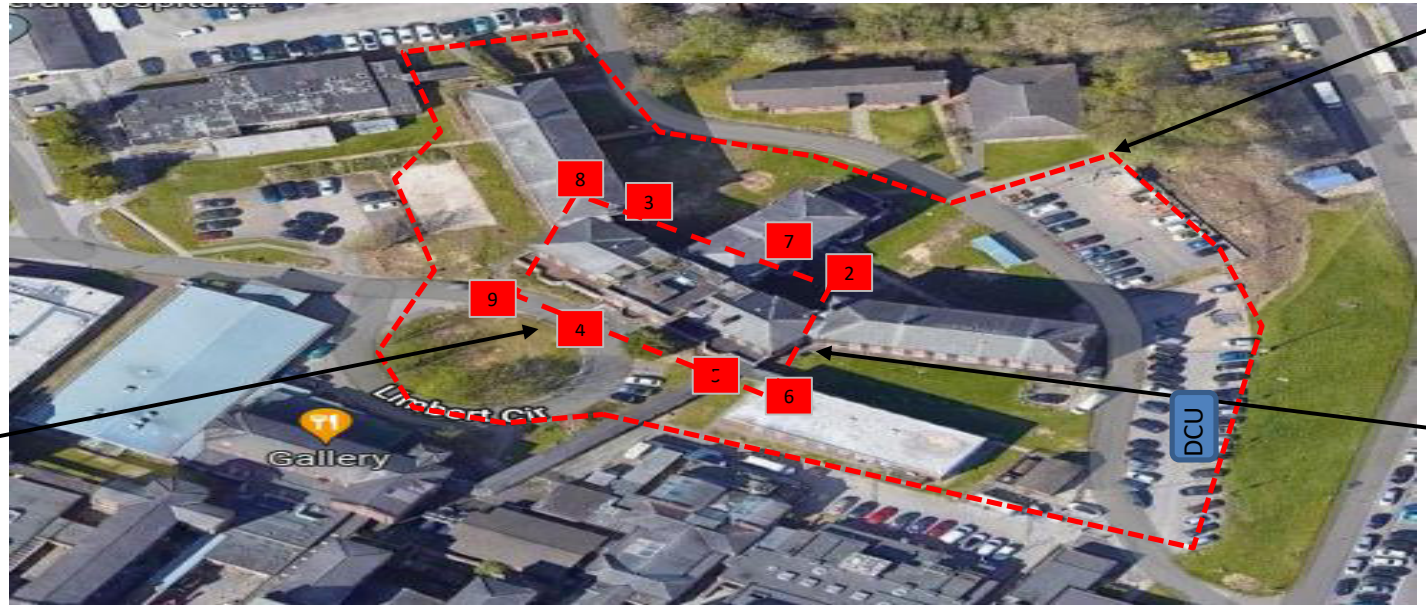
Client Details		Site Details		Key to Diagram	
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	Site Address:	North Manchester General Hospital Block 45 Limbert House Crumpsall Manchester M8 5RB	Airlock/Baglock Chamber	Enclosure Material
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW			Negative Pressure Unit	2 Pump Location and Sample No.
Contact:	James Hodder				
Tel No.:	0161 874 1000	Contractor:			
Email:	James.hodder@morgansindall.com	LAR Ltd			

Diagram





Block 45 - Demolition works & watching brief



Demolition perimeter zone



Exclusion zone



Analyst Name:	Richard Atkin	Signed:		Date:	27/06/2022

Daily Analytical Paperwork
Personal Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	73805	**Page Number**	4	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	an Sindall Construction & Infrastructu	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays		Block 45 Limbert House	**NPL Test Slide Number**	7795		
	Manchester		Crumpsall	**Visible Bands**	5		
	M50 3YW		Manchester	**Flow Meter**	LF		
Contact:	James Hodder		M8 5RB	**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions
PS Personal Sample

Sample Number	Details of work being undertaken (Include method and controls in place)
Sample 15	Paul is operating the excavator digging down 200mm from outside the exclusion zone, wearing cat 3 type 5/6 coveralls and p3 half face mask. Machine windows and doors are to remain closed at all times.
Sample 16	Kevin is operating the jet wash dampening down the dig area with power washer, wearing cat 3 type 5/6 coveralls and half face mask. Works being carried out within exclusion zone area.
Sample 17	End
Sample 18	

Sample No.	Pump No.	Cowl No.	Test	Operative Name	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial	Final	Avg (F)					Calculated Result f/ml	Recorded Result f/ml	
15	AP14	150	PS	Paul Sweeting	09:10	11:00	110	2.0	2.0	2.0	220	2	200	0.022	0.002	<0.022	RA
16	AP14	150	PS	Kevin Pickering	13:00	15:00	120	2.0	2.0	2.0	240	1.5	200	0.020	0.002	<0.022	RA
17				End													
18																	
Analyst Name:				Richard Atkin	**Signed:**								**Date:**		27/06/2022		

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	**Report No.:**	73807	**Page**	1	**of**	4
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**		LAR Ltd	
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**		Kevin Pickering	
				No. Additional Operatives:		N/A	
				Start Time:		08:00	
Contact:	James Hodder			**Finish Time:**		15:30	
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45

ACM Removed: Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins

Acorn to carry out near source and personal air monitoring around the exclusion zone.

Excavation works continue on block 45 basement area.

Weather conditions - Cloudy with light rain.

All air monitoring complete, results return a satisfactory fibre concentration level of <0.010f/ml. Personal sample also satisfactory.

Acorn advised by Morgan Sindall a cessation of works has been submitted from 28/06/22 till 06/07/22.

Acorn inform Morgan Sindall of all results.

Acorn leave site.

Analyst Name:	Richard Atkin	**Signed:**		**Date:**	28/06/2022

Daily Analytical Paperwork
Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	73807	**Page Number**	2	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			RA
2	80	136	NS	Around perimeter of exclusion zone	08:30	10:34	124	4.5	4.5	4.5	558	3.5	172	0.009	0.002	<0.010	RA
3	94	142	NS	Around perimeter of exclusion zone	08:30	10:35	125	4.5	4.5	4.5	563	5	171	0.009	0.003	<0.010	RA
4	98	143	NS	Around perimeter of exclusion zone	08:34	10:35	121	4.5	4.5	4.5	545	2	176	0.009	0.001	<0.010	RA
5	104	144	NS	Around perimeter of exclusion zone	08:34	10:35	121	4.5	4.5	4.5	545	2.5	176	0.009	0.001	<0.010	RA
6				End													
7																	
8																	
9																	
10																	
11																	
12																	

Analyst Name:	Richard Atkin	**Signed:**		**Date:**	28/06/2022

Daily Analytical Paperwork
Diagram Photo Reference Sheet

Project No.:	B-37287	Report No.:	73807	Page	3	of	4

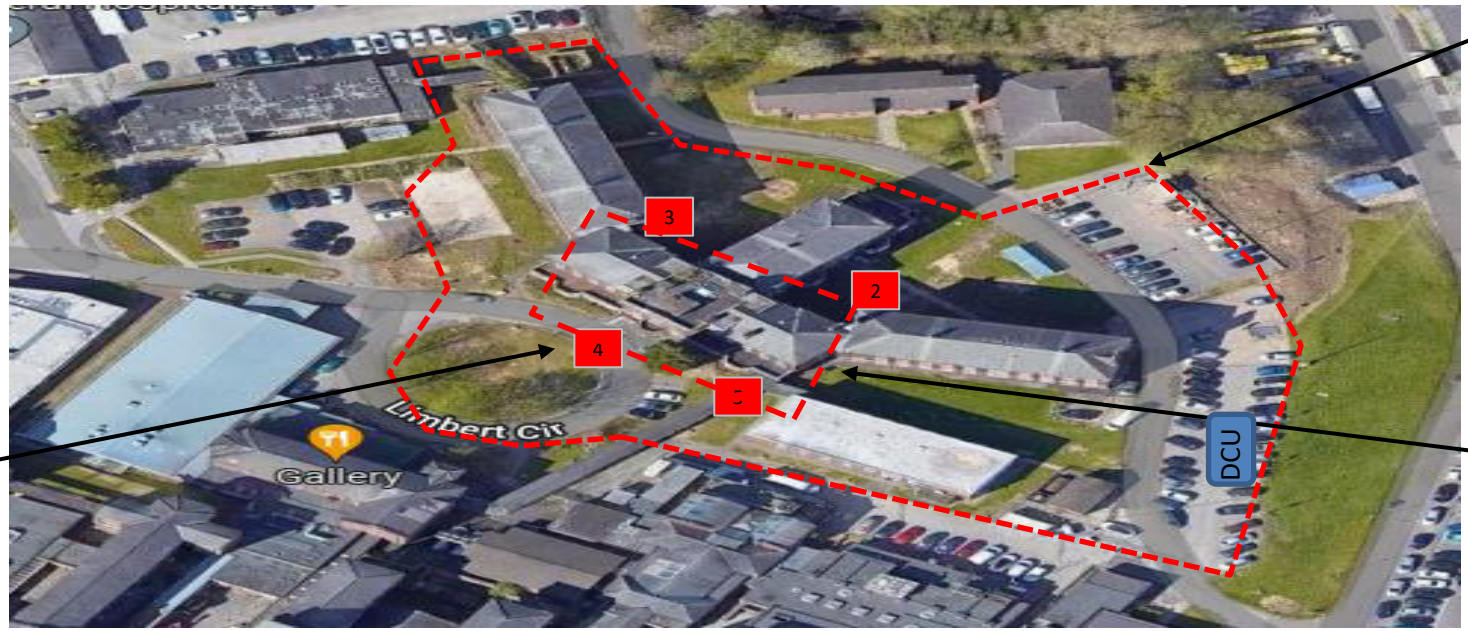
Client Details		Site Details		Key to Diagram
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	Site Address:	North Manchester General Hospital Block 45 Limbert House Crumpsall Manchester M8 5RB	Airlock/Baglock Chamber; Enclosure Material; Negative Pressure Unit; 2 Pump Location and Sample No.
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW			
Contact:	James Hodder			
Tel No.:	0161 874 1000	Contractor:		
Email:	James.hodder@morgansindall.com	LAR Ltd		

Diagram





Block 45 - Demolition works & watching brief



Demolition perimeter zone



Exclusion zone



Analyst Name:	Richard Atkin	Signed:		Date:	28/06/2022

Daily Analytical Paperwork
Personal Air Monitoring Certificate

Project No.:	B-37287	**Certificate No.:**	73807	**Page Number**	4	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	an Sindall Construction & Infrastructu	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	LF		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions
PS Personal Sample

Sample Number	Details of work being undertaken (Include method and controls in place)
Sample 15	Eve is taking samples and watching excavation works, wearing cat 3 type 5/6 coveralls and p3 half face mask.
Sample 16	End
Sample 17	
Sample 18	

Sample No.	Pump No.	Cowl No.	Test	Operative Name	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial	Final	Avg (F)					Calculated Result f/ml	Recorded Result f/ml	
15	AP14	150	PS	Eve Rowland - Environmental consultant	08:40	11:40	180	2.0	2.0	2.0	360	2.5	200	0.013	0.002	<0.013	RA
16				End													
17																	
18																	
Analyst Name:				Richard Atkin	**Signed:**								**Date:**		28/06/2022		

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	**Report No.:**	74404	**Page**	1	**of**	4
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**	LAR Ltd		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**	Kevin Pickering		
				No. Additional Operatives:	N/A		
				Start Time:	08:00		
Contact:	James Hodder			**Finish Time:**	15:45		
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45 **ACM Removed:** Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins. PP O'Connor, and Tier (environmental consultants)

Acorn to carry out far source air monitoring around the perimeter of demolition site.

Excavation works commence on block 45 basement area.

Weather conditions - Clear Skies, Hot weather conditions

Air monitoring started at 10:15

Personal air monitoring undertaken on Eve in todays shift.

All near source air monitoring yielded a satisfactory result at <0.010f/ml.

Acorn inform LAR of the results.

Acorn leave site.

Analyst Name:	Greg Allen	**Signed:**		**Date:**	18/07/2022

Daily Analytical Paperwork
Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	74404	**Page Number**	2	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			GA
2	113	70	NS	Around perimeter of Exclusion Zone works	10:15	12:17	122	4.0	4.0	4.0	488	1.5	197	0.010	0.001	<0.010	GA
3	265	105	NS	Around perimeter of Exclusion Zone works	10:16	12:18	122	4.0	4.0	4.0	488	2	197	0.010	0.001	<0.010	GA
4	267	235	NS	Around perimeter of Exclusion Zone works	10:17	12:19	122	4.0	4.0	4.0	488	2	197	0.010	0.001	<0.010	GA
5	256	79	NS	Around perimeter of Exclusion Zone works	12:35	14:36	121	4.0	4.0	4.0	484	1	198	0.010	0.001	<0.005	GA
6	267	235	NS	Around perimeter of Exclusion Zone works	12:36	14:37	121	4.0	4.0	4.0	484	2	198	0.010	0.001	<0.010	GA
7	265	274	NS	Around perimeter of Exclusion Zone works	12:37	14:38	121	4.0	4.0	4.0	484	1.5	198	0.010	0.001	<0.010	GA
8				END													
9																	
10																	
11																	
12																	

Analyst Name:	Greg Allen	**Signed:**		**Date:**	18/07/2022

Daily Analytical Paperwork
Diagram Photo Reference Sheet

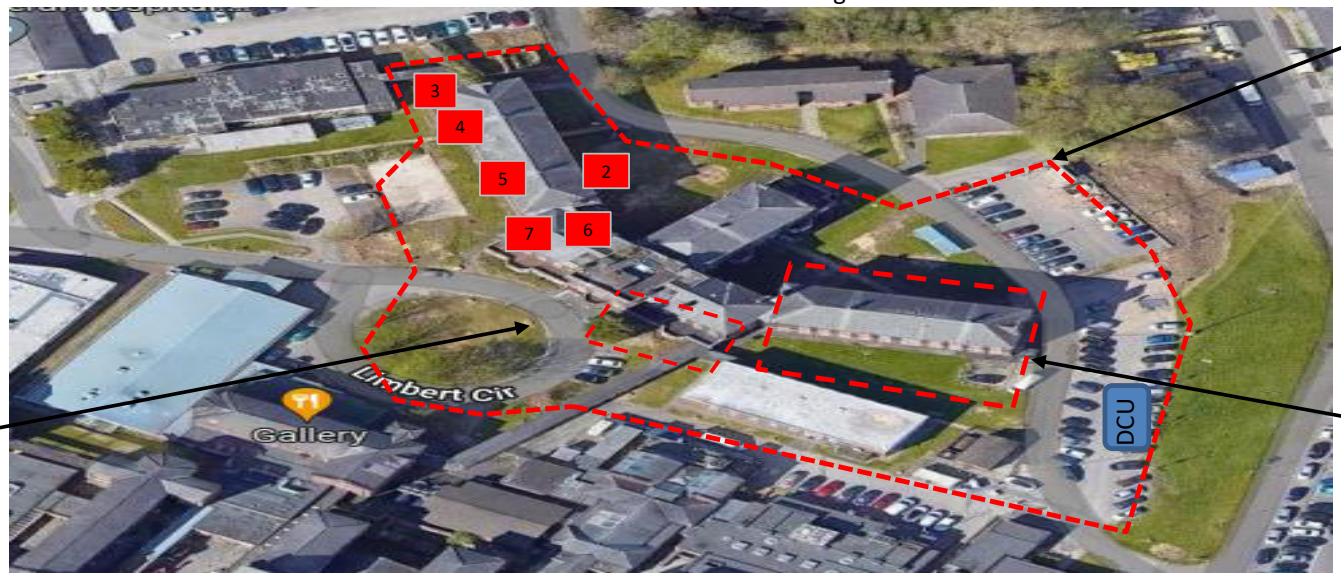
Project No.:	B-37287	Report No.:	74404	Page	3	of	4
Client Details		**Site Details**		**Key to Diagram**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	Airlock/Baglock Chamber		Enclosure Material	
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	Negative Pressure Unit		Pump Location and Sample No.	2
Contact:	James Hodder						
Tel No.:	0161 874 1000	**Contractor:**					
Email:	James.hodder@morgansindall.com	LAR Ltd					

Diagram





Block 45 - Demolition works & watching brief



Demolition perimeter zone



Exclusion zone



Analyst Name:	Greg Allen	Signed:		Date:	18/07/2022

Daily Analytical Paperwork
Personal Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	74404	**Page Number**	4	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	an Sindall Construction & Infrastructu	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	LF		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions
PS Personal Sample

Sample Number	Details of work being undertaken (Include method and controls in place)
Sample 15	Eve Rowland is operating an excavator within the contaminated dig area with LAR and Tier power washing any materials removed while being put into a removal Lorry.
Sample 16	
Sample 17	
Sample 18	

Sample No.	Pump No.	Cowl No.	Test	Operative Name	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial	Final	Avg (F)					Calculated Result f/ml	Recorded Result f/ml	
15	AP17	274	PS	Eve Rowland	10:15	12:17	122	1.5	1.5	1.5	183	2	200	0.026	0.003	<0.020	GA
16																	
17																	
18																	

Analyst Name:	Greg Allen	**Signed:**		**Date:**	18/07/2022

Daily Analytical Paperwork
Daily Site Reference Log

Project No.:	B-37287	**Report No.:**	74405	**Page**	1	**of**	4
Client Details		**Site Details**		**Start Time:**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Contractor:**	LAR Ltd		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**Contract Foreman:**	Kevin Pickering		
				No. Additional Operatives:	N/A		
				Start Time:	08:00		
Contact:	James Hodder			**Finish Time:**	14:30		
Tel No.:	0161 874 1000						
Email:	James.hodder@morgansindall.com						

Building/Block no: Limbert House Basement Block 45 **ACM Removed:** Thermal Insulation, Lose Insulation and Free Fibres (SO1, SO8, S09, S11, S14, S16 & S21)

Description of Works:
LAR and PP O'Connor are digging and removing contaminated soils from within basement area of block 45 Limbert House area. Acorn are required to carry out near source, far source and personal monitoring during these works.

Survey Reference: B-31255 Block 45 North Manchester General Hospital and S18436 IOM certificate of analysis.

Todays Site Diary
Acorn arrive on site and sign in at Morgan Sindal cabins. PP O'Connor, and Tier (environmental consultants)

Acorn to carry out far source air monitoring around the perimeter of demolition site.

Excavation works commence on block 45 basement area.

Weather conditions - Clear Skies, Hot weather conditions

Air monitoring started at 09:03.

Personal air monitoring undertaken on Paul Sweeting in todays shift.

All near source and far source air monitoring yielded a satisfactory result at <0.010f/ml.

Acorn inform LAR of the results.

Acorn leave site.

Analyst Name:	Greg Allen	**Signed:**		**Date:**	19/07/2022

Daily Analytical Paperwork
Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	74405	**Page Number**	2	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	32		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions

BT Background Test **LT** Leakage Test **RT** Reassurance Test **SF** Site Field Blank **FS** Far Source Monitoring **NS** Near Source Monitoring

Sample No.	Pump No.	Cowl No.	Test	Pump Location	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial Flow	Final Flow	Average Flow (F)					Calculated Result f/ml	Recorded Result f/ml	
1	N/A	120	SF	Lab Site office	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	100	Satisfactory			GA
2	268	70	NS	Around perimeter of Exclusion Zone works	09:03	11:04	121	4.0	4.0	4.0	484	2.5	198	0.010	0.001	<0.010	GA
3	265	105	NS	Around perimeter of Exclusion Zone works	09:04	11:05	121	4.0	4.0	4.0	484	2	198	0.010	0.001	<0.010	GA
4	267	79	NS	Around perimeter of Exclusion Zone works	09:05	11:06	121	4.0	4.0	4.0	484	1	198	0.010	0.001	<0.010	GA
5	113	235	FS	Around perimeter of Demolition Zone works	09:10	11:10	120	8.0	8.0	8.0	960	2	100	0.005	0.001	<0.005	GA
6	113	70	NS	Around perimeter of Exclusion Zone works	11:35	13:37	122	4.0	4.0	4.0	488	2.5	197	0.010	0.001	<0.010	GA
7	99	105	NS	Around perimeter of Exclusion Zone works	11:36	13:38	122	4.0	4.0	4.0	488	1	197	0.010	0.001	<0.010	GA
8	268	235	NS	Around perimeter of Exclusion Zone works	11:37	13:39	122	4.0	4.0	4.0	488	1.5	197	0.010	0.001	<0.010	GA
9	256	79	FS	Around perimeter of Demolition Zone works	11:48	13:48	120	8.0	8.0	8.0	960	2	100	0.005	0.001	<0.005	GA
10				END													
11																	
12																	

Analyst Name:	Greg Allen	**Signed:**		**Date:**	19/07/2022

Daily Analytical Paperwork
Diagram Photo Reference Sheet

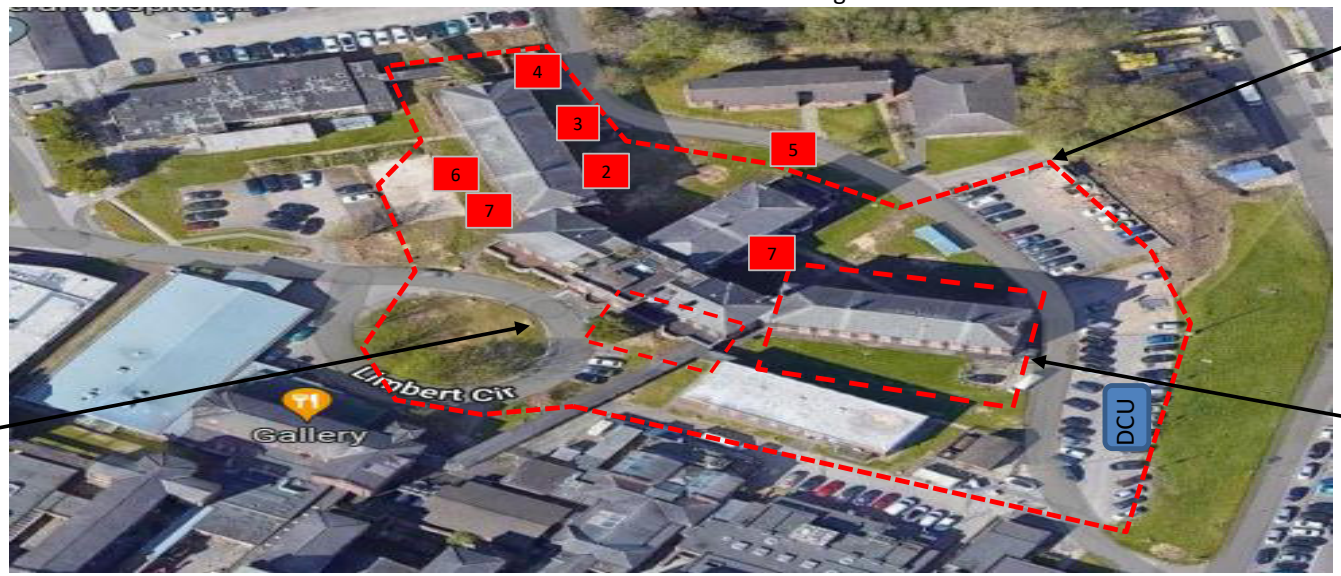
Project No.:	B-37287	Report No.:	74405	Page	3	of	4
Client Details		**Site Details**		**Key to Diagram**			
Client Name:	Morgan Sindall Construction & Infrastructure Ltd	**Site Address:**	North Manchester General Hospital Block 45 Limbert House Crumpsall Manchester M8 5RB	Airlock/Baglock Chamber		Enclosure Material	
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW			Negative Pressure Unit		Pump Location and Sample No.	2
Contact:	James Hodder						
Tel No.:	0161 874 1000	**Contractor:**					
Email:	James.hodder@morgansindall.com	LAR Ltd					

Diagram





Block 45 - Demolition works & watching brief



Demolition perimeter zone



Exclusion zone



Analyst Name:	Greg Allen	Signed:		Date:	19/07/2022

Daily Analytical Paperwork
Personal Air Monitoring Certificate

UKAS TESTING 2418

acorn analytical services

Project No.:	B-37287	**Certificate No.:**	74405	**Page Number**	4	**of**	4
Client Details		**Site Details**		**Microscope No**	600753		
Name:	an Sindall Construction & Infrastructu	**Site Address:**	North Manchester General Hospital	**Stage Micrometer**	SM034		
Address:	2 Anchorage Quays, Salford Quays Manchester M50 3YW		Block 45 Limbert House Crumpsall Manchester M8 5RB	**NPL Test Slide Number**	7795		
				Visible Bands	5		
				Flow Meter	LF		
Contact:	James Hodder			**Measured Graticule Diameter (um) - d**	100		
Tel No.:	0161 874 1000	**Contractor**		**Tally Counters**	18&21	**Stopwatch**	47
Email:	James.hodder@morgansindall.com	LAR Ltd		**Diameter of exposed filter (mm) - D**	22.4	**Batch No**	4521

This certificate is issued in accordance with the documented in-house method for carrying out air sampling and fibre analysis procedures which is accredited by UKAS and follows the guidance set out in HSG248 (Edition 2)

Test Conditions
PS Personal Sample

Sample Number	Details of work being undertaken (Include method and controls in place)
Sample 15	Paul Sweeting is operating an excavator within the contaminated dig area with LAR and Tier power washing any materials removed while being put into a removal wagon.
Sample 16	
Sample 17	
Sample 18	

Sample No.	Pump No.	Cowl No.	Test	Operative Name	Time		Sample Time (T)	Flow Rate (l/m)			Volume (V) (V=T*F)	Fibres (N)	Fields (n)	Limit of Quantification	Respirable fibre concentration		Analyst
					Start	Finish		Initial	Final	Avg (F)					Calculated Result f/ml	Recorded Result f/ml	
15	AP17	274	PS	PP O'Connor, Paul Sweeting	11:05	13:06	121	2.0	2.0	2.0	242	1.5	200	0.020	0.002	<0.020	GA
16				END													
17																	
18																	
Analyst Name:				Greg Allen	**Signed:**								**Date:**		19/07/2022		

APPENDIX E – WASTE TICKETS

P.P. O'CONNOR

Committed To Excellence

Conveyance Note

№ 355976

61 Mosley Road, Trafford Park
Manchester M17 1GJ

This material has been produced in accordance with P.P. O'Connor's Protocol for the production of Recycled Aggregates

Delivery Code	

Waste Carriers Licence Number CBDU101751	Contract No: 60241

Customers Name: MORGAN SINDALL

Drivers Name	Vehicle Registration	Signature
S PATTEN	MW9 XEP	

Delivery/Collection Address	Date and Time
NORTH M/CR HOSPITAL CRESCENT rd, CRUMPSALL	17-6-22

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	ASBESTOS
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12300
NETT WEIGHT	19700

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	13.20
TIME OFF SITE	13.35
WAITING TIME	15 MIN
DAYWORK	

STATE REASON FOR WAITING TIME

SLOW LOADING

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P. O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

61 Mosley Road, Trafford Park
Manchester M17 1GJ

This material has been produced in accordance with P.P. O'Connor's Protocol for the production of Recycled Aggregates

Conveyance Note

№ 364704

Delivery Code
P25

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: MORGAN SINDALL	

Drivers Name	Vehicle Registration	Signature
S HIGGINSON	MK21 BZL	

Delivery/Collection Address	Date and Time
NMGH CRESCENT DRIVE CRUMPSALL	24-6-22

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	ASBESTOS

Imported Materials	
- Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31900
TARE WEIGHT OF VEHICLE	12360
NETT WEIGHT	19540

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

onditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee
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Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

61 Mosley Road, Trafford Park
Manchester M17 1GJ

...aterial has been produced in accordance with P.P. O'Connor's
...for the production of Recycled Aggregates

Conveyance Note

Nº 365630

Delivery Code

P25

...e Carriers Licence Number CBDU101751 | Contract No:

...tomers Name: PPO

Drivers Name	Vehicle Registration	Signature
Smarshan	MF18 NGH	

Delivery/Collection Address	Date and Time
N1 NIIGH Mer Cresnt Drive	24-6-22

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	Asbestos

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31070
TARE WEIGHT OF VEHICLE	12000
NETT WEIGHT	19070

Imported Materials	
- Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	945
TIME OFF SITE	1025
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

Slow loading
Picking & skraping material

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

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61 Mosley Road, Trafford Park
Manchester M17 1GJ

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Conveyance Note

№ 371812

Delivery Code
P25

Waste Carriers Licence Number CBDU101751	Contract No:

Customers Name: MORGAN SINDALL

Drivers Name	Vehicle Registration	Signature
Ste	ML19XEF	SG

Delivery/Collection Address	Date and Time
NORTH MCC GENERAL Hospital CRUMPSALL	23/6/22

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	ASBESTOS

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32
TARE WEIGHT OF VEHICLE	12.300
NETT WEIGHT	19.700

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME KGe

itions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

60242

P.P. O'CONNOR

Committed To Excellence

60242

Conveyance Note

№ 366834

61 Mosley Road, Trafford Park
Manchester M17 1GJ

ASBESTOS

This material has been produced in accordance with P.P. O'Connor's Protocol for the production of Recycled Aggregates

Delivery Code
P25

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: Morgan Sindall	

Drivers Name	Vehicle Registration	Signature
Mark	MV71 WKN	

Delivery/Collection Address	Date and Time
North M/C R Hospital Crumpsall	20.6.22

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	✓
Spoil – Hazardous	
Other - State	

Imported Materials	
- Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31·900
TARE WEIGHT OF VEHICLE	12·200
NETT WEIGHT	19·700

TIME ON SITE	10·15
TIME OFF SITE	10·35
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	D Connor

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before signing this note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed to Excellence

60241

Conveyance Note

№ 361983

61 Mosley Road, Trafford Park
Manchester M17 1GJ

This material has been produced in accordance with P.P. O'Connor's Protocol for the production of Recycled Aggregates

Delivery Code
1 18

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: MORGAN SINDALL	

Drivers Name	Vehicle Registration	Signature
Ste	MLI9XEF	SG

Delivery/Collection Address	Date and Time
NORTH MCR GENERAL Hospital Crescent Dr Crumpsall	17/6/22

Off Site Material Category		Weight	Tonne
Spoil - inert		GROSS WEIGHT OF VEHICLE	32
Spoil – Non Hazardous			
Spoil – Hazardous			
Other - State	ASBESTOS	TARE WEIGHT OF VEHICLE	12.30

Imported Materials		NETT WEIGHT	19.700
Material	Description		
Recycled Aggregate			
Quarried Aggregate			
Other State			

		STATE REASON FOR WAITING TIME
TIME ON SITE		
TIME OFF SITE		
WAITING TIME		
DAYWORK		

CUSTOMERS SIGNATURE	PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ...e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or ...moval off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. ...or. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to ...nnor immediate.

...nor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

Conveyance Note

Nº 361982

61 Mosley Road, Trafford Park
Manchester M17 1GJ

60241

This material has been produced in accordance with P.P. O'Connor's Protocol for the production of Recycled Aggregates

Delivery Code	

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: MORGAN SINDALL	

Drivers Name	Vehicle Registration	Signature
SG	ML19XEF	SG

Delivery/Collection Address	Date and Time
NORTH MANCHESTER GENERAL HOSPITAL crescent OR CRUMPSALL	17/6/22

Off Site Material Category		Weight	Tonne
Spoil - inert			
Spoil – Non Hazardous		GROSS WEIGHT OF VEHICLE	32
Spoil – Hazardous			
Other - State	ASBESTOS	TARE WEIGHT OF VEHICLE	12.300

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

		NETT WEIGHT	19700

TIME ON SITE	7.25
TIME OFF SITE	9.20
WAITING TIME	1hr 35 mins
DAYWORK	

STATE REASON FOR WAITING TIME

Waiting for dig Authorization
Slow Loading

CUSTOMERS SIGNATURE	PRINT NAME
1	

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P.P.O'Connor's Terms and Conditions prevail at all times