Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

UKAS TESTING 1227
UKAS INSPECTION 260

Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

DEMOLITION ASBESTOS SURVEY

OF

BUILDING 146,
HMS DAEDALUS,
BROOM WAY,
LEE ON SOLENT,
HAMPSHIRE
PO13 9YA

ON BEHALF OF

HOMES & COMMUNITIES AGENCY LTD

DISCLAIMER

Envirochem completed this survey on the basis of a specified program of work and terms and conditions agreed with the Client. All reasonable skill and care, bearing in mind the project objectives and the agreed scope of work, have been exercised during the preparation of this survey report.

Following the issue of this survey report, responsibility to any parties for any matters arising, which may be considered outside of the agreed scope of work, will not be accepted by Envirochem.

This survey report is confidential. Envirochem will accept liability to no parties with the exception of the Client. Without the written agreement of Envirochem, no one with the exception of the Client, may rely upon or have the benefit of this survey report.

Envirochem asserts and retains all copyright, and other intellectual property rights, in and over the survey report and its contents unless these rights were specifically assigned or transferred within the terms of the agreement.

Any questions or matters arising from this survey report should be addressed to Envirochem.

CONTENTS

	Name	Signed	Dated
Report Authorised By	[redacted] (Lead Surveyor)	[redacted]	3 Aug 2016

SECTION 1 - Executive Summary

This report is based on the findings of a demolition asbestos survey (as defined by Health and Safety Executive (HSE) Guidance Note HSG264: Asbestos: The Survey Guide) carried out by Envirochem at Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA. The purpose of the survey was to determine the location, extent and product type of all reasonably accessible asbestos containing materials (ACM's) within the building.

Scope of work

The scope of work is a demolition asbestos survey of Building 146, HMS Daedalus

Asbestos identified

SAMPLE NUMBER	SAMPLE DESCRIPTION	PRODUCT TYPE
Sample 5	Building 146. Ground Floor. G.05 Room 005, Insulation to high level pipework bend/knuckle	Asbestos Insulation/Coating
Ref. Sample 5	Building 146. Ground Floor. G.09 Room 009, Insulation to high level pipework bend/knuckle above doorway	Asbestos Insulation/Coating
Ref. Sample 5	Building 146. Ground Floor. G.13 Room 013, Insulation to x2 high level pipework bends/knuckles above doorway	Asbestos Insulation/Coating
Sample 8	Building 146. Ground Floor. G.08 Room 008, Dampener and drainer pad beneath sinks and drainer	Bitumen
Sample 10	Building 146. Ground Floor. G.12 Room 012, Insulation board panels to front of door leading into Room 013	Asbestos Insulating Board
Sample 14	Building 146. Ground Floor. G.15 Room 018, Insulation to high level pipework bend/knuckle adjacent to doorway	Asbestos Insulation/Coating
Ref. Sample 14	Building 146. Ground Floor. G.18 Corridor 015, Insulation to high level pipework bend/knuckle within linen cupboard	Asbestos Insulation/Coating
Sample 16	Building 146. Ground Floor. G.16 Room 019, Vinyl floor tiles (cream) and bitumen adhesive below to concrete floor, bottom layer	Vinyl tile & adhesive
Sample 31	Building 146. Ground Floor. G.24 Room 029, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive
Ref. Sample 31	Building 146. Ground Floor. G.26 Room 031, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive
Sample 33	Building 146. Ground Floor. G.28 Room 033, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive
Ref. Sample 33	Building 146. Ground Floor. G.29 Room 034, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive
Sample 38	Building 146. Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Dust/Debris
Sample 42	Building 146. External. E.01 External, Corrugated cement roof sheets to rear bike shed	Asbestos Cement
Sample 43	Building 146. External. E.01 External, Cement guttering and downpipe to rear bike	Asbestos Cement

	shed	
Visual 1	Building 146. External. E.01 External, Gasket to top of high level vertical pipe to right hand side of building exiting boiler house (to high to access)	Asbestos Textiles/Paper

Areas of no access

The following areas were not accessed at the time of the survey:

AREA	REASON FOR NON-ACCESS
Building 146 External. E.02 Boiler House	No access within boiler house- boiler house and external steps down to boiler house flooded. Presume boiler house to contain ACMs until surveyed.
Building 146 Roof Void. R.01 Roof void	Very limited access within roof void, unsafe- floor collapsed through to rooms below in several places. Wooden beams unsafe to stand on due to collapse. Visual and sampling carried out around access hatch only and materials pressumed throughout.
Building 146 External. E.01 External	No access within external courtyard area. Courtyard heavily overgrown by trees and foliage.

Until the above locations are accessed, as stated within HSE Guidance Note HSG 264, it should be presumed that these areas contain ACMs.

Asbestos containing materials and actions required

SAMPLE NUMBER	SAMPLE DESCRIPTION	PRODUCT TYPE	ACTION REQUIRED
Sample 5	Building 146. Ground Floor. G.05 Room 005, Insulation to high level pipework bend/knuckle	Asbestos Insulation/Coating	Removal of licensed ACMs (Remove (licensed)
Ref. Sample 5	Building 146. Ground Floor. G.09 Room 009, Insulation to high level pipework bend/knuckle above doorway	Asbestos Insulation/Coating	Removal of licensed ACMs (Remove (licensed)
Ref. Sample 5	Building 146. Ground Floor. G.13 Room 013, Insulation to x2 high level pipework bends/knuckles above doorway	Asbestos Insulation/Coating	Removal of licensed ACMs (Remove (licensed)
Sample 8	Building 146. Ground Floor. G.08 Room 008, Dampener and drainer pad beneath sinks and drainer	Bitumen	Removal of non-licensed ACMs (Remove (non-licensed)
Sample 10	Building 146. Ground Floor. G.12 Room 012, Insulation board panels to front of door leading into Room 013	Asbestos Insulating Board	Removal of licensed ACMs (Remove (licensed)
Sample 14	Building 146. Ground Floor. G.15 Room 018, Insulation to high level pipework bend/knuckle adjacent to doorway	Asbestos Insulation/Coating	Removal of licensed ACMs (Remove (licensed)
Ref. Sample 14	Building 146. Ground Floor. G.18 Corridor 015, Insulation to high level pipework bend/knuckle within linen cupboard	Asbestos Insulation/Coating	Removal of licensed ACMs (Remove (licensed)
Sample 16	Building 146. Ground Floor. G.16 Room 019, Vinyl floor tiles (cream) and bitumen adhesive below to concrete floor, bottom layer	Vinyl tile & adhesive	Removal of non-licensed ACMs (Remove (non-licensed)
Sample 31	Building 146. Ground Floor. G.24 Room 029, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive	Removal of non-licensed ACMs (Remove (non-licensed)
Ref. Sample 31	Building 146. Ground Floor. G.26 Room 031, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive	Removal of non-licensed ACMs (Remove (non-

			licensed)
Sample 33	Building 146. Ground Floor. G.28 Room 033, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive	Removal of non-licensed ACMs (Remove (non-licensed)
Ref. Sample 33	Building 146. Ground Floor. G.29 Room 034, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Vinyl tile & adhesive	Removal of non-licensed ACMs (Remove (non-licensed)
Sample 38	Building 146. Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Dust/Debris	Removal of licensed ACMs (Remove (licensed)
Sample 42	Building 146. External. E.01 External, Corrugated cement roof sheets to rear bike shed	Asbestos Cement	Removal of non-licensed ACMs (Remove (non-licensed)
Sample 43	Building 146. External. E.01 External, Cement guttering and downpipe to rear bike shed	Asbestos Cement	Removal of non-licensed ACMs (Remove (non-licensed)
Visual 1	Building 146. External. E.01 External, Gasket to top of high level vertical pipe to right hand side of building exiting boiler house (to high to access)	Asbestos Textiles/Paper	Removal of non-licensed ACMs (Remove (non-licensed)

The purpose of this survey is to identify the asbestos containing materials that are present, with the assumption that during demolition, all ACM’s discovered are to be removed.

SECTION 2 – Introduction

Envirochem Analytical Laboratories Ltd is a well established, independent organisation. We are United Kingdom Accreditation Service (UKAS) accredited as a testing laboratory (Number: 1227) and as an inspection body (Number: 260). This accreditation covers fibre identification of asbestos bulk samples, air monitoring for asbestos and asbestos building surveys. All asbestos lead surveyors hold, as a minimum qualification, the British Occupational Hygiene Society (BOHS) proficiency certificate in Building surveys and bulk sampling for asbestos (P402). Likewise, those employed in the other fields mentioned hold, as a minimum qualification, the relevant BOHS proficiency certificate.

We also have expertise and experience in setting up and monitoring asbestos management plans.

This report is based on the findings of a demolition (as defined by Health and Safety Executive (HSE) Guidance Note HSG264: Asbestos: The Survey Guide) survey carried out by Envirochem at Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA.

The survey was carried out on the 26th July 2016 by [redacted] on behalf of Envirochem Analytical Laboratories Ltd, 12 The Gardens, Fareham, Hampshire, PO16 8SS, as instructed by [redacted] of Campbell Reith of Homes & Communities Agency Ltd, 2 Rivergate, Temple Quay, Bristol, BS1 6EH.

The purpose of the survey was to determine the location, extent and product type of all asbestos containing materials (ACM's) within the areas covered by this survey report. This information should form part of the Health and Safety plan for any proposed demolition work, as required by the CDM Regulations and/or the Control of Asbestos Regulations 2012.

For further information with respect to the survey report or to arrange asbestos removal work or to arrange a free consultation at our premises please contact [redacted].

The location and description, as far as was reasonably possible, of all suspected ACM's within all areas of the building were recorded. ACM's have not been disturbed or removed during the course of this survey. There is the possibility for additional ACM's to be present behind those identified, which may only be discovered during subsequent asbestos removal work.

Samples of each different type of suspected ACM were collected in accordance with HSE Guidance Note HSG264 for laboratory analysis. The samples were then analysed in accordance with HSE Guidance Note HSG248 to identify, which suspected ACM's, actually contained asbestos.

For sampled suspected ACM's, similar homogenous materials used in the same way throughout the building have not been sampled. In this instance the referenced suspected ACM can be strongly presumed to have the same make up as the sampled suspected ACM. Where a suspected ACM cannot be sampled but visually identified only there will be a presumption as to the make up of the material.

The survey is designed to be used as a basis for costing the removal of ACM's from the building prior to demolition. Any person or people using the report in this way must satisfy themselves as to the extent of the ACM's within the designated area and thereby ensure that their tender is sufficient in every respect to remove all the ACM's within these areas, including the possibility of any that may be hidden behind identified, strongly presumed or presumed ACM's.

Due to the situation in which the survey is required the condition of the asbestos is not assessed and an asbestos material assessment is not created, instead a list of asbestos containing materials is developed. It should be noted that even when there are no ACM's identified in any particular area this is not a guarantee that ACM's are not present in this area. For instance ACM's may be located within the structure of the building and not identified until demolition of the building. Due caution must always be taken when dealing with building materials and suspected ACM's must be reported and left undisturbed until further investigation proves it safe to proceed.

SECTION 3 - Initial Observations

A demolition asbestos survey was carried out at Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA. The scope of work is a Demolition Asbestos Survey of Building 146, HMS Daedalus

Externally the building is constructed of Brick walls, asphalt to flat concrete roofs, cement roofing tiles to pitched roof, felt to flat roof to link above Room 025, cement roofing sheets to bike shed, lead flashing to roofs, concrete window sills, concrete and wooden soffits and fascias, plastic guttering, downpipes and rainwater collection hoppers, metal downpipes, cement guttering and downpipe to bike shed, plastic soil pipes, metal pipework, wooden doors, metal wall vents, concrete entrance canopies, 3mf insulated metal pipework high level within front entrance porchway..

SECTION 4 - Areas of No Access

During the course of this survey no ACM's have been disturbed or removed. There is the possibility that additional ACM's may be present behind those identified. These additional ACM's would only become evident during any subsequent asbestos removal work.

Specific Areas of No Access

AREA	REASON FOR NON-ACCESS
Building 146 External. E.02 Boiler House	No access within boiler house- boiler house and external steps down to boiler house flooded. Presume boiler house to contain ACMs until surveyed.
Building 146 Roof Void. R.01 Roof void	Very limited access within roof void, unsafe- floor collapsed through to rooms below in several places. Wooden beams unsafe to stand on due to collapse. Visual and sampling carried out around access hatch only and materials pressumed throughout.
Building 146 External. E.01 External	No access within external courtyard area. Courtyard heavily overgrown by trees and foliage.

As stated within HSE Guidance Note HSG264 areas where access cannot be gained must be presumed to contain ACM's until evidence can prove otherwise. All areas listed above should be revisited prior to further works.

SECTION 5 - Method Statement

Sampling of Suspected Asbestos Containing Materials (ACM's)

Samples of each different type of suspected ACM were collected in accordance with HSE Guidance Note HSG264 for laboratory analysis.

- The surveyor(s) visited each area to identify the position and number of samples. Also they assessed the health and safety requirements both for the occupiers of the adjacent areas as well as the surveyors.
- During sampling, the surveyors wore the personal protective equipment as appropriate to the risk assessment. In critical areas, warning signs were posted to restrict access during sampling.
- Sampling locations were damped down to reduce the risk of fibre release and samples were collected with shadow vacuuming where necessary. Upon completion of the sampling any debris created was cleaned by either H-type vacuums or wet wiping.
- The sample was placed in a labelled plastic bag, sealed and then placed in a second bag. Where required the sampling position was made good to minimise fibre release and labelled.
- Details of the samples location, product type, extent were recorded to enable a list of asbestos containing materials to be prepared.

Fibre Identification of Suspected Asbestos Containing Materials (ACM's)

Each sampled suspected ACM was analysed in the laboratory in accordance with HSE Guidance Note HSG248. This analysis involved stereo microscopy and polarised light microscopy in association with dispersion staining techniques.

Using polarised light microscopy very fine asbestos fibres such as those present in some textured coatings may not always be identifiable.

SECTION 6 - Asbestos Removal and Disposal

Under the Control of Asbestos Regulations 2012, there are three categories of asbestos removal; licensed, non notifiable and notifiable non-licensed work. For licensed work, generally involving asbestos insulation, insulation board and coatings, only a HSE licensed asbestos removal specialist can carry out this work. This work would generally take place inside an enclosure incorporating a three-stage airlock and kept under negative pressure.

Licensable work can only occur once a 14-day period has passed since the HSE received notification from the HSE licensed asbestos removal specialist of the forthcoming asbestos work.

The other two categories, non notifiable and notifiable non-licensed work, trained operatives with the correct equipment should be used as a minimum, Envirochem would always recommend using a licensed contractor for this work. For the purpose of this survey report, all work that would fall into these two categories have been classified as, removal (non-licensed). If these materials are to be removed, a risk assessment should be carried out by the removal operatives on the condition of the material at the time of pre removal and the expected fibre levels from similar work to allow the material to be categorised as non notifiable or notifiable non-licensed work. If the material is classified as notifiable non-licensed work, the local authority should be informed of the removal works prior to it commencing.

All waste with an asbestos content in excess of 0.1% of the total weight is classified as special waste and therefore must be deposited at a site which is licensed to accept special waste.

It is the recommendation of Envirochem that all work involving ACM’s is undertaken by a HSE licensed asbestos removal specialist to ensure all legislation and guidelines are adhered to.

For information regarding work with asbestos or to arrange work with asbestos please contact [redacted].

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 1	AO000475	Building 146, Ground Floor. G.01 Room 001, Insulation to high level pipework above window	No	
Sample 2	AO000476	Building 146, Ground Floor. G.01 Room 001, Bitumen to concrete floor beneath wooden parquet flooring	No	
Sample 3	AO000477	Building 146, Ground Floor. G.04 Room 004, Insulation to high level pipework above window	No	
Sample 4	AO000478	Building 146, Ground Floor. G.04 Room 004, Bitumen to concrete floor beneath wooden parquet flooring	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 5	AO000479	Building 146, Ground Floor. G.05 Room 005, Insulation to high level pipework bend/knuckle	Yes	Chrysotile Amosite
Sample 6	AO000480	Building 146, Ground Floor. G.07 Room 007, Insulation to high level pipework above window	No	
Sample 7	AO000481	Building 146, Ground Floor. G.07 Room 007, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	No	
Sample 8	AO000482	Building 146, Ground Floor. G.08 Room 008, Dampener and drainer pad beneath sinks and drainer	Yes	Chrysotile

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 9	AO000483	Building 146, Ground Floor. G.11 Room 011, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	No	
Sample 10	AO000484	Building 146, Ground Floor. G.12 Room 012, Insulation board panels to front of door leading into Room 013	Yes	Chrysotile
Sample 11	AO000485	Building 146, Ground Floor. G.14 Room 017, Vinyl floor lay (red) to concrete floor	No	
Sample 12	AO000486	Building 146, Ground Floor. G.14 Room 017, Dampener pad beneath sink	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 13	AO000487	Building 146, Ground Floor. G.15 Room 018, Insulation to high level pipework	No	
Sample 14	AO000488	Building 146, Ground Floor. G.15 Room 018, Insulation to high level pipework bend/knuckle adjacent to doorway	Yes	Chrysotile Amosite
Sample 15	AO000489	Building 146, Ground Floor. G.16 Room 019, Vinyl floor lay (beige) to floor, top layer	No	
Sample 16	AO000490	Building 146, Ground Floor. G.16 Room 019, Vinyl floor tiles (cream) and bitumen adhesive below to concrete floor, bottom layer	Yes	Chrysotile

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 17	AO000491	Building 146, Ground Floor. G.16 Room 019, Insulation board vertical riser boxings x2 adjacent to doorways	No	
Sample 18	AO000492	Building 146, Ground Floor. G.17 Corridor 014, Left hand side floor duct, insulation to pipe within	No	
Sample 19	AO000493	Building 146, Ground Floor. G.17 Corridor 014, Left hand side floor duct, dust and debris within	No	
Sample 20	AO000494	Building 146, Ground Floor. G.17 Corridor 014, Right hand side floor duct, insulation to pipe within	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 21	AO000495	Building 146, Ground Floor. G.17 Corridor 014, Right hand side floor duct, dust and debris within	No	
Sample 22	AO000496	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, insulation to x2 pipes within	No	
Sample 23	AO000497	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, dust and debris within	No	
Sample 24	AO000498	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, insulation to x2 pipes within continuing into Room 016	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 25	AO000499	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, dust and debris within continuing into Room 016	No	
Sample 26	AO000500	Building 146, Ground Floor. G.19 Corridor 020, Vinyl floor lay (blue) to wood on concrete floor	No	
Sample 27	AO000501	Building 146, Ground Floor. G.20 Room 021, Vinyl floor lay (green) to wood on concrete floor	No	
Sample 28	AO000502	Building 146, Ground Floor. G.21 Room 023, Dampener and drainer pads beneath sink and drainer	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 29	AO000503	Building 146, Ground Floor. G.22 Room 027, Vinyl floor lay (beige) to concrete floor	No	
Sample 30	AO000504	Building 146, Ground Floor. G.23 Room 028, Vinyl floor lay (cream) to concrete floor beneath carpet	No	
Sample 31	AO000505	Building 146, Ground Floor. G.24 Room 029, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Yes	Chrysotile
Sample 32	AO000506	Building 146, Ground Floor. G.25 Room 030, Vinyl floor lay (blue) to concrete floor	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 33	AO000507	Building 146, Ground Floor. G.28 Room 033, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Yes	Chrysotile
Sample 34	AO000508	Building 146, Ground Floor. G.30 Throughout, Insulation board packers beneath wooden window sills throughout	No	
Sample 35	AO000509	Building 146, Ground Floor. G.30 Throughout, Putty surrounding window glazing to metal window frames throughout	No	
Sample 36	AO000510	Building 146, Roof Void. R.01 Roof void, Grey woven insulation to pipework throughout	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 37	AO000511	Building 146, Roof Void. R.01 Roof void, Insulation to white clothed pipework throughout	No	
Sample 38	AO000512	Building 146, Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Yes	Chrysotile
Sample 39	AO000513	Building 146, External. E.01 External, Roofing tiles to pitched roof	No	
Sample 40	AO000514	Building 146, External. E.01 External, Ashphalt to flat concrete roofs throughout	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 41	AO000515	Building 146, External. E.01 External, Roofing felt to flat link roof above Room 025	No	
Sample 42	AO000516	Building 146, External. E.01 External, Corrugated cement roof sheets to rear bike shed	Yes	Chrysotile
Sample 43	AO000517	Building 146, External. E.01 External, Cement guttering and downpipe to rear bike shed	Yes	Chrysotile Amosite
Sample 44	AO000518	Building 146, External. E.01 External, Putty surrounding window glazing to metal window frames throughout	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

ENVIROCHEM
Analytical Laboratories Ltd.
12 The Gardens
Broadcut, Fareham
Hampshire
PO16 8SS

1227
Tel: (01329) 287777
Fax: (01329) 287755
www.envirochem.co.uk
xxxxxx@xxxxxxxxxx.xx.

Our Ref: J104860 FI: 45
Your Ref: .
Date: 03/08/2016

Asbestos Fibre Identification Report

Client: Homes & Communities Agency Ltd
2 Rivergate, Temple Quay, Bristol, BS1 6EH

Site Address: Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA

Sampled By: [redacted], Envirochem

Date sampled/received: 26th July 2016

Date analysed: 1st August 2016 - 2nd August 2016

Analyst/s: [redacted]

Analysis Location: 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented `in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

RESULTS

Sample No.	Sample Ref.	Location	Asbestos Detected	Asbestos Type
Sample 45	AO000519	Building 146, External. E.01 External, Loose gasket to floor adjacent to front entrance	No	

NOTES:
1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE: [redacted] Authorised signatory PRINT NAME: [redacted]

Envirochem Analytical Laboratories Ltd.

Appendix 2 - List of Asbestos Containing Materials

Site Address Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 26th July 2016
Reference Number J104860

Sample No.	Location	Level of Identification	Product Type	Asbestos Type	Extent
Sample 5	Building 146, Ground Floor. G.05 Room 005, Insulation to high level pipework bend/knuckle	Identified	Asbestos Insulation/Coating	Chrysotile + Amosite	<1lm
Ref. Sample 5	Building 146, Ground Floor. G.09 Room 009, Insulation to high level pipework bend/knuckle above doorway	Strongly Presumed	Asbestos Insulation/Coating	Chrysotile + Amosite	<1lm
Ref. Sample 5	Building 146, Ground Floor. G.13 Room 013, Insulation to x2 high level pipework bends/knuckles above doorway	Strongly Presumed	Asbestos Insulation/Coating	Chrysotile + Amosite	<1lm
Sample 8	Building 146, Ground Floor. G.08 Room 008, Dampener and drainer pad beneath sinks and drainer	Identified	Bitumen	Chrysotile	3no.
Sample 10	Building 146, Ground Floor. G.12 Room 012, Insulation board panels to front of door leading into Room 013	Identified	Asbestos Insulating Board	Chrysotile	$2m^2$
Sample 14	Building 146, Ground Floor. G.15 Room 018, Insulation to high level pipework bend/knuckle adjacent to doorway	Identified	Asbestos Insulation/Coating	Chrysotile + Amosite	<1lm
Ref. Sample 14	Building 146, Ground Floor. G.18 Corridor 015, Insulation to high level pipework bend/knuckle within linen cupboard	Strongly Presumed	Asbestos Insulation/Coating	Chrysotile + Amosite	<1lm
Sample 16	Building 146, Ground Floor. G.16 Room 019, Vinyl floor tiles (cream) and bitumen adhesive below to concrete floor, bottom layer	Identified	Vinyl tile & adhesive	Chrysotile	$12m^2$

Envirochem Analytical Laboratories Ltd.

Appendix 2 - List of Asbestos Containing Materials

Site Address Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 26th July 2016
Reference Number J104860

Sample No.	Location	Level of Identification	Product Type	Asbestos Type	Extent
Sample 31	Building 146, Ground Floor. G.24 Room 029, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Identified	Vinyl tile & adhesive	Chrysotile	16m^2
Ref. Sample 31	Building 146, Ground Floor. G.26 Room 031, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Strongly Presumed	Vinyl tile & adhesive	Chrysotile	6m^2
Sample 33	Building 146, Ground Floor. G.28 Room 033, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Identified	Vinyl tile & adhesive	Chrysotile	2m^2
Ref. Sample 33	Building 146, Ground Floor. G.29 Room 034, Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor	Strongly Presumed	Vinyl tile & adhesive	Chrysotile	16m^2
Sample 38	Building 146, Roof Void. R.01 Roof void, Dust and debris to floor throughout roof void	Identified	Dust/Debris	Chrysotile	200m^2
Sample 42	Building 146, External. E.01 External, Corrugated cement roof sheets to rear bike shed	Identified	Asbestos Cement	Chrysotile	10m^2
Sample 43	Building 146, External. E.01 External, Cement guttering and downpipe to rear bike shed	Identified	Asbestos Cement	Chrysotile + Amosite	8lm
Visual 1	Building 146, External. E.01 External, Gasket to top of high level vertical pipe to right hand side of building exiting boiler house (to high to access)	Presumed	Asbestos Textiles/Paper	Chrysotile	1no.

Envirochem Analytical Laboratories Ltd.
Appendix 3 - List of Negative Samples

Site Address Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 26th July 2016
Reference Number J104860
Surveyors [redacted]

Sample No.	Location	Product Type
Sample 1	Building 146, Ground Floor. G.01 Room 001, Insulation to high level pipework above window	Non Asbestos Insulation
Ref. Sample 1	Building 146, Ground Floor. G.02 Room 002, Insulation to high level pipework above window	Non Asbestos Insulation
Ref. Sample 1	Building 146, Ground Floor. G.03 Room 003, Insulation to high level pipework above windows	Non Asbestos Insulation
Sample 2	Building 146, Ground Floor. G.01 Room 001, Bitumen to concrete floor beneath wooden parquet flooring	Bitumen
Ref. Sample 2	Building 146, Ground Floor. G.02 Room 002, Bitumen to concrete floor beneath wooden parquet flooring	Bitumen
Ref. Sample 2	Building 146, Ground Floor. G.03 Room 003, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	Bitumen
Sample 3	Building 146, Ground Floor. G.04 Room 004, Insulation to high level pipework above window	Non Asbestos Insulation
Ref. Sample 3	Building 146, Ground Floor. G.05 Room 005, Insulation to high level pipework above window	Non Asbestos Insulation
Ref. Sample 3	Building 146, Ground Floor. G.06 Room 006, Insulation to high level pipework above window	Non Asbestos Insulation
Sample 4	Building 146, Ground Floor. G.04 Room 004, Bitumen to concrete floor beneath wooden parquet flooring	Bitumen
Sample 6	Building 146, Ground Floor. G.07 Room 007, Insulation to high level pipework above window	Non Asbestos Insulation
Ref. Sample 6	Building 146, Ground Floor. G.09 Room 009, Insulation to high level pipework	Non Asbestos Insulation
Ref. Sample 6	Building 146, Ground Floor. G.13 Room 013, Insulation to high level pipework	Non Asbestos Insulation
Sample 7	Building 146, Ground Floor. G.07 Room 007, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	Bitumen
Ref. Sample 7	Building 146, Ground Floor. G.09 Room 009, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	Bitumen
Ref. Sample 7	Building 146, Ground Floor. G.10 Room 010, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	Bitumen
Sample 9	Building 146, Ground Floor. G.11 Room 011, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	Bitumen
Ref. Sample	Building 146, Ground Floor. G.12 Room 012, Bitumen to concrete floor beneath	Bitumen

Envirochem Analytical Laboratories Ltd.
Appendix 3 - List of Negative Samples

Site Address Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 26th July 2016
Reference Number J104860
Surveyors [redacted]

9	wooden parquet flooring beneath carpet	
Ref. Sample 9	Building 146, Ground Floor. G.13 Room 013, Bitumen to concrete floor beneath wooden parquet flooring beneath carpet	Bitumen
Sample 11	Building 146, Ground Floor. G.14 Room 017, Vinyl floor lay (red) to concrete floor	Vinyl tile
Sample 12	Building 146, Ground Floor. G.14 Room 017, Dampener pad beneath sink	Bitumen
Sample 13	Building 146, Ground Floor. G.15 Room 018, Insulation to high level pipework	Non Asbestos Insulation
Ref. Sample 13	Building 146, Ground Floor. G.17 Corridor 014, Insulation to high level pipework	Non Asbestos Insulation
Ref. Sample 13	Building 146, Ground Floor. G.18 Corridor 015, Insulation to high level pipework continuing into linen cupboard	Non Asbestos Insulation
Sample 15	Building 146, Ground Floor. G.16 Room 019, Vinyl floor lay (beige) to floor, top layer	Vinyl tile
Sample 17	Building 146, Ground Floor. G.16 Room 019, Insulation board vertical riser boxings x2 adjacent to doorways	Non Asbestos Insulating Board
Sample 18	Building 146, Ground Floor. G.17 Corridor 014, Left hand side floor duct, insulation to pipe within	Non Asbestos Insulation
Sample 19	Building 146, Ground Floor. G.17 Corridor 014, Left hand side floor duct, dust and debris within	Dust/Debris
Sample 20	Building 146, Ground Floor. G.17 Corridor 014, Right hand side floor duct, insulation to pipe within	Non Asbestos Insulation
Sample 21	Building 146, Ground Floor. G.17 Corridor 014, Right hand side floor duct, dust and debris within	Dust/Debris
Sample 22	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, insulation to x2 pipes within	Non Asbestos Insulation
Sample 23	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, dust and debris within	Dust/Debris
Sample 24	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, insulation to x2 pipes within continuing into Room 016	Non Asbestos Insulation
Sample 25	Building 146, Ground Floor. G.18 Corridor 015, Floor duct, dust and debris within continuing into Room 016	Dust/Debris
Sample 26	Building 146, Ground Floor. G.19 Corridor 020, Vinyl floor lay (blue) to wood on concrete floor	Vinyl tile
Sample 27	Building 146, Ground Floor. G.20 Room 021, Vinyl floor lay (green) to wood on concrete floor	Vinyl tile
Sample 28	Building 146, Ground Floor. G.21 Room 023, Dampener and drainer pads beneath sink and drainer	Bitumen
Sample 29	Building 146, Ground Floor. G.22 Room 027, Vinyl floor lay (beige) to concrete floor	Vinyl tile
Ref. Sample	Building 146, Ground Floor. G.27 Room 032, Vinyl floor lay (beige) to concrete floor	Vinyl tile

Envirochem Analytical Laboratories Ltd.
Appendix 3 - List of Negative Samples

Site Address Building 146, HMS Daedalus, Broom Way, Lee on Solent, Hampshire, PO13 9YA
Date of Survey 26th July 2016
Reference Number J104860
Surveyors [redacted]

29		
Sample 30	Building 146, Ground Floor. G.23 Room 028, Vinyl floor lay (cream) to concrete floor beneath carpet	Vinyl tile
Sample 32	Building 146, Ground Floor. G.25 Room 030, Vinyl floor lay (blue) to concrete floor	Vinyl tile
Sample 34	Building 146, Ground Floor. G.30 Throughout, Insulation board packers beneath wooden window sills throughout	Non Asbestos Insulating Board
Sample 35	Building 146, Ground Floor. G.30 Throughout, Putty surrounding window glazing to metal window frames throughout	Putty
Sample 36	Building 146, Roof Void. R.01 Roof void, Grey woven insulation to pipework throughout	Woven
Sample 37	Building 146, Roof Void. R.01 Roof void, Insulation to white clothed pipework throughout	Non Asbestos Insulation
Sample 39	Building 146, External. E.01 External, Roofing tiles to pitched roof	Slate
Sample 40	Building 146, External. E.01 External, Ashphalt to flat concrete roofs throughout	Composite / Resin
Sample 41	Building 146, External. E.01 External, Roofing felt to flat link roof above Room 025	Felt
Sample 44	Building 146, External. E.01 External, Putty surrounding window glazing to metal window frames throughout	Putty
Sample 45	Building 146, External. E.01 External, Loose gasket to floor adjacent to front entrance	Gasket

APPENDIX 4 - Photographs

Sample 5: Building 146. Ground Floor. Room 005. Insulation to high level pipework bend/knuckle

Ref. Sample 5: Building 146. Ground Floor. Room 009. Insulation to high level pipework bend/knuckle above doorway

Ref. Sample 5: Building 146. Ground Floor. Room 013. Insulation to x2 high level pipework bends/knuckles above doorway

Sample 8: Building 146. Ground Floor. Room 008. Dampener and drainer pad beneath sinks and drainer

Sample 10: Building 146. Ground Floor. Room 012. Insulation board panels to front of door leading into Room 013

Sample 14: Building 146. Ground Floor. Room 018. Insulation to high level pipework bend/knuckle adjacent to doorway

Ref. Sample 14: Building 146. Ground Floor. Corridor 015. Insulation to high level pipework bend/knuckle within linen cupboard

Sample 16: Building 146. Ground Floor. Room 019. Vinyl floor tiles (cream) and bitumen adhesive below to concrete floor, bottom layer

Sample 31: Building 146. Ground Floor. Room 029. Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor

Ref. Sample 31: Building 146. Ground Floor. Room 031. Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor

Sample 33: Building 146. Ground Floor. Room 033. Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor

Ref. Sample 33: Building 146. Ground Floor. Room 034. Vinyl floor tiles (blue) and bitumen adhesive below to concrete floor

Sample 38: Building 146. Roof Void. Roof void. Dust and debris to floor throughout roof void

Sample 42: Building 146. External. External. Corrugated cement roof sheets to rear bike shed

Sample 43: Building 146. External. External. Cement guttering and downpipe to rear bike shed

Visual 1: Building 146. External. External. Gasket to top of high level vertical pipe to right hand side of building exiting boiler house (to high to access)

APPENDIX 5 - Marked Plans

Client: Homes & Communities Agency Ltd

Site: Building 146
HMS Daedalus
Broom Way
Lee on Solent
Hampshire
PO13 9YA