



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J141133 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 26.04.18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
1	ENV24	SK1	Northerly perimeter of smaller mound (approx 10m away)	09:36	10:36	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
2	A4	SK2	Easterly perimeter of main mound (approx 5m away)	09:39	10:39	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
3	ENV42	SK3	South-easterly perimeter of main mound (approx 40m away, Along site perimeter fence)	09:41	10:41	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
4	ABC	SK4	Southerly perimeter of main mound (approx 50m away, Along site perimeter fence)	09:42	10:42	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
5	PO2	SK5	Westerly perimeter of main mound (approx 20m away, on construction site)	09:32	10:32	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
6	ENV24	SK1	Northerly perimeter of smaller mound (approx 10m away)	11:20	12:20	8.0	8.0	8.0	480	200	1.0	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 8/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 16

Pressure (mb): 1017

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Mod Lab

Comments

For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J141133 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 26:04:18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
7	A4	SK2	Easterly perimeter of main mound (approx 5m away)	11:23	12:23	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
8	ENV42	SK3	South-easterly perimeter of main mound (approx 40m away, Along site perimeter fence)	11:24	12:24	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
9	ABC	SK4	Southerly perimeter of main mound (approx 50m away, Along site perimeter fence)	11:25	12:25	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
10	PO2	SK5	Westerly perimeter of main mound (approx 20m away, on construction site)	11:26	12:26	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
11	A4	SK1	Southerly perimeter of main mound (approx 50m away, adjacent footpath)	13:07	14:07	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
12	ENV42	SK2	South-westerly perimeter of main mound (approx 60m away, adjacent footpath and fence)	13:08	14:08	8.0	8.0	8.0	480	200	0.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 8/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 16

Pressure (mb): 1017

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Not Lab

Comments

For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE: [Redacted]

(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener



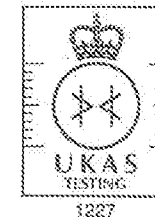


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J141134 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 27/04/18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
1	ENV24	SK1	Northerly perimeter of smaller mound (approx 10m away)	09:16	10:16	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
2	A4	SK2	Easterly perimeter of main mound (approx 5m away)	09:18	10:18	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
3	ENV42	SK3	South-easterly perimeter of main mound (approx 40m away, Along site perimeter fence)	09:20	10:20	8.0	8.0	8.0	480	200	3.0	0.002	<0.01
4	ABC	SK4	Southerly perimeter of main mound (approx 50m away, Along site perimeter fence)	09:21	10:21	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
5	PO2	SK5	Westerly perimeter of main mound (approx 20m away, on construction site)	09:27	10:27	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
6	ENV24	SK1	Northerly perimeter of smaller mound (approx 10m away)	11:06	12:06	8.0	8.0	8.0	480	200	0.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12
Stage Micrometer: WSM-21
Tally Counter: 2/US

Barometer: BTC-37
Thermometer: BTC-37
Flow Meter: FM45

Environment:

Temperature (°C): 11
Pressure (mb): 1007
Correction Factor (F): -

Blank Filter

Head: SK7
Graticules:
Fibres:

Place of Analysis:

Lab HY14 DFC
On Site
Mob Lab

Comments For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE: 
(on behalf of Envirochem Analytical Laboratories Ltd)

PRINT NAME: Stefan Kitchener

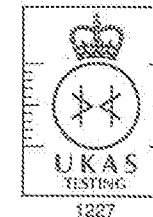


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J141134 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 27/04/18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
7	A4	SK2	Easterly perimeter of main mound (approx 5m away)	11:07	12:07	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
8	ENV42	SK3	South-easterly perimeter of main mound (approx 40m away, Along site perimeter fence)	11:08	12:08	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
9	ABC	SK4	Southerly perimeter of main mound (approx 50m away, Along site perimeter fence)	11:10	12:10	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
10	PO2	SK5	Westerly perimeter of main mound (approx 20m away, on construction site)	11:12	12:12	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
11	A4	SK1	Southerly perimeter of main mound (approx 50m away, adjacent footpath)	12:54	13:54	8.0	8.0	8.0	480	200	NA	NA	NA
12	ENV42	SK2	South-westerly perimeter of main mound (approx 60m away, adjacent footpath and fence)	12:56	13:56	8.0	8.0	8.0	480	200	NA	NA	NA

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12
Stage Micrometer: WSM-21
Tally Counter: 2/US

Barometer: BTC-37
Thermometer: BTC-37
Flow Meter: FM45

Environment:

Temperature (°C): 13
Pressure (mb): 1007
Correction Factor (F): -

Blank Filter

Head: SK7
Graticules:
Fibres:

Place of Analysis:

Lab HY14 DFC
On Site
Mob Lab

Comments

For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory. FC11 / 12 made unreadable due to excessive rainfall.

SIGNATURE:

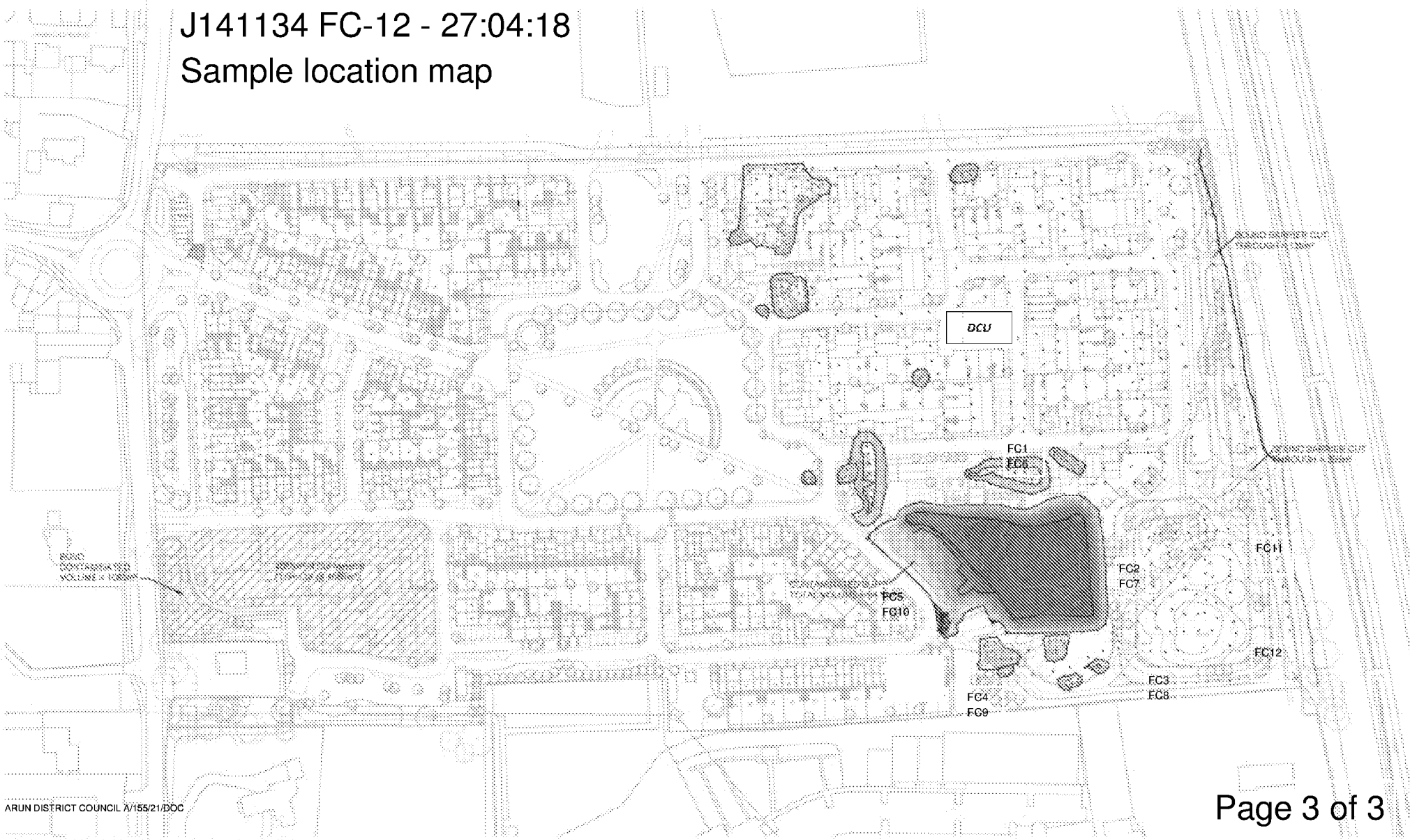
(on behalf of Envirochem)

ENVIROCHEM/

PRINT NAME: Stefan Kitchener

SUE07/NOV06

Sample location map



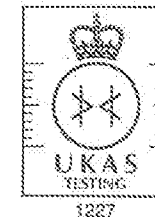


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J141135 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 28/04/18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
1	ENV24	SK1	On mound, Southerly corner of mound	08:10	08:40	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
2	A4	SK2	On mound, Westerly corner of mound	08:10	08:40	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
3	ENV42	SK3	On mound, Middle of mound	08:11	08:41	16.0	16.0	16.0	480	200	1.0	0.001	<0.01
4	ABC	SK4	On mound, Northern corner of mound	08:11	08:41	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
5	PO2	SK5	On mound, Easterly corner of mound	08:12	08:42	16.0	16.0	16.0	480	200	1.0	0.001	<0.01
6	ENV24	SK1	On mound, Southerly corner of mound	09:01	09:31	16.0	16.0	16.0	480	200	0.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12
Stage Micrometer: WSM-21
Tally Counter: 2/US

Barometer: BTC-37
Thermometer: BTC-37
Flow Meter: FM45

Environment:

Temperature (°C): 11
Pressure (mb): 1007
Correction Factor (F): -

Blank Filter

Head: SK7
Graticules:
Fibres:

Place of Analysis:

Lab HY14 DFC
On Site
Mob Lab

Comments For exact sample locations see plan on back page. Reassurance air testing carried out in various locations on asbestos contaminated mound. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE: [Redacted]
(on behalf of Envirochem Laboratory)

PRINT NAME: Stefan Kitchener



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J141135 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 28/04/18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
7	A4	SK2	On mound, Westerly corner of mound	09:01	09:31	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
8	ENV42	SK3	On mound, Middle of mound	09:02	09:32	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
9	ABC	SK4	On mound, Northern corner of mound	09:02	09:32	16.0	16.0	16.0	480	200	1.0	0.001	<0.01
10	PO2	SK5	On mound, Easterly corner of mound	09:03	09:33	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
11	A4	SK1	On mound, LHS middle of mound	10:03	10:33	16.0	16.0	16.0	480	200	1.0	0.001	<0.01
12	ENV42	SK2	On mound, RHS middle of mound	10:03	10:33	16.0	16.0	16.0	480	200	0.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12
Stage Micrometer: WSM-21
Tally Counter: 2/US

Barometer: BTC-37
Thermometer: BTC-37
Flow Meter: FM45

Environment:

Temperature (°C): 11
Pressure (mb): 1007
Correction Factor (F): -

Blank Filter

Head: SK7
Graticules:
Fibres:

Place of Analysis:

Lab HY14 DFC
On Site
Mob Lab

Comments For exact sample locations see plan on back page. Reassurance air testing carried out in various locations on asbestos contaminated mound. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE:

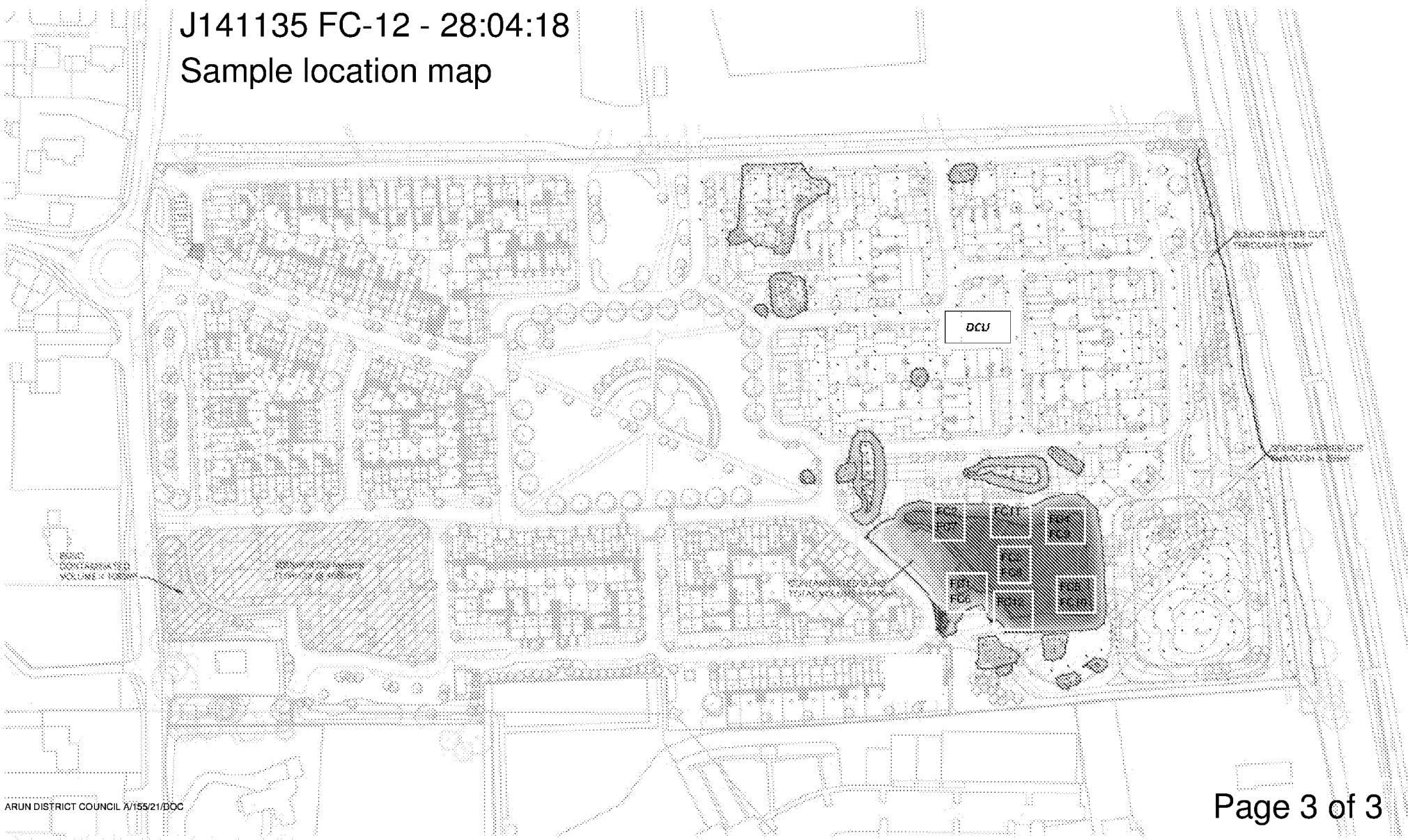
(on behalf of Envirochem)

ENVIROCHEM/

PRINT NAME: Stefan Kitchener

07/NOV06

Sample location map



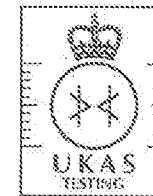


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143145 FC-3

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 30/04/18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
1	AP3	SK1	Michael Pronger - Bulldozer operative - Earthworks	09:31	10:51	3.0	3.0	3.0	240	200	2.5	0.003	<0.02

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12
Stage Micrometer: WSM21
Tally Counter: 2/US

Barometer: BTC-37
Thermometer: BTC-37
Flow Meter: FM50

Environment:

Temperature (°C): 6
Pressure (mb): 1003
Correction Factor (F): -

Blank Filter

Head: SK7
Graticules:
Fibres:

Place of Analysis:

Lab HY14 DFC
Site
Mob Lab

Comments: Personal monitoring carried out during excavation of contaminated soil. Air testing to ascertain airborne fibre concentration.

SIGNATURE
(on behalf of Envirochem)

PRINT NAME: Stefan Kitchener

SUE07/NOV06



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143145 FC-3

Personal Monitoring Observation Form

Type & Scale of work: Scraping surface of clearing next to contaminated (north side) due to large amounts of surface mud

Purpose of monitoring: (select all that apply)

Checking effectiveness of methods ☒

Providing data for personal exposure records ☒

Confirming appropriate RPE being worn ☒

General control measures in use: (select all that apply)

Enclosure (under negative pressure) ☐

Partial enclosure ☐

Injection ☐

Gel/Foam ☐

Shadow vacuum ☐

Spraying ☐

Other (Please specify): Soil is wet

Sampling Details:

Operative's Name/job title: Michael Pronger - Bulldozer operative - Earthworks

Type of RPE worn: none

Length of time Operative is / has been exposed: 3 hours approx

Asbestos Product(s) being removed including detail of fixings, size, surface treatment and tools used during works and dust suppression methods being used by operative:

Asbestos is broken within soil, perimeter sprayers off (soil wet), windows closed

General Description of activities being undertaking during sampling:

scraping surface to flatten out are due to deep tyre tracks

Is the asbestos in good or bad condition (as per the method statements description): Broken in ground

Other factors which may affect the result (eg approximate size of the enclosure, external location, etc):

Time weighted average (4 Hour TWA) =
$$\frac{(F_1 \times T_1) + (F_2 \times T_2) + \dots (F_n \times T_n)}{4}$$
 TWA = NA f/ml

Where F = concentration f/ml

T = Time for that exposure, hours and minutes, 1 hr 30 mins = 1.5

Notes: The sampling period must be sufficient to ensure it is fully representative of the work. Sampling periods should be for 4 hours to access the control limit or for the duration of a specific task for shorter duration activities. A minimum sample time of 10 minutes is required to assess the Short Term Exposure Limit. In general, the client is to specify their requirements depending on previous personal air sampling carried out. All information was collected from the method statement or / and the site contact and this information is deemed as accurate / correct for the purpose of this report.

Analyst: Ste

Signature:

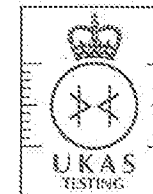


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143145 FC-3

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 30/04/18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
2	A4	SK2	Dirty end of DCU	10:14	10:44	16.0	16.0	16.0	480	200	1.0	0.001	<0.01
3	ENV42	SK3	Shower section of DCU	10:15	10:45	16.0	16.0	16.0	480	200	0.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 2/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 6

Pressure (mb): 1003

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Lab

Comments

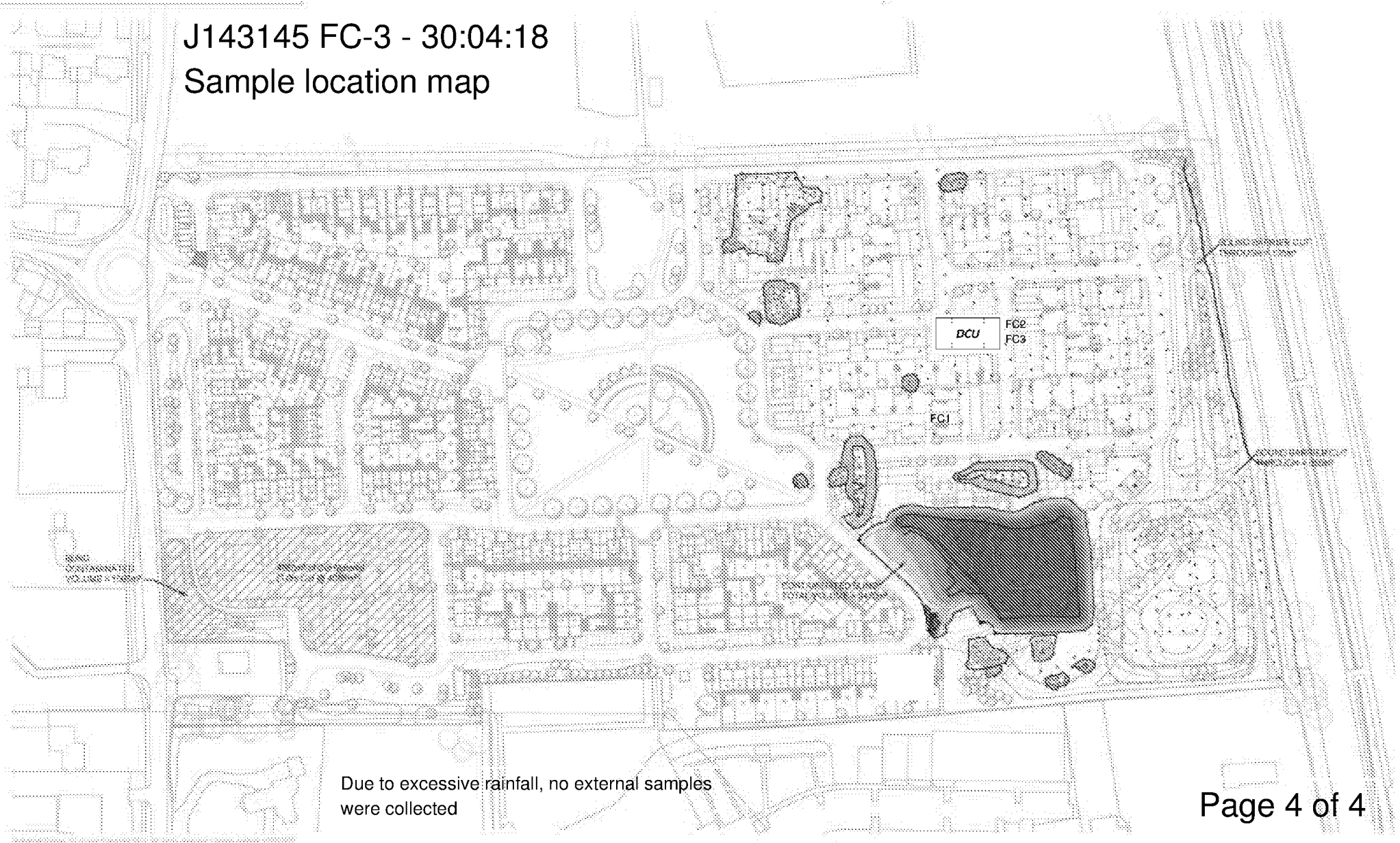
For exact sample locations see plan on back page. Reassurance air testing carried out in various locations. Air testing to ascertain airborne fibre concentration. Results satisfactory. No air monitoring carried out in external locations due to excessive rainfall.

SIGNATURE

(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener



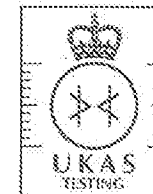


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143146 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 01:05:18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
1	ENV24	SK1	Northerly perimeter of smaller mound (approx 10m away)	09:51	10:51	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
2	A4	SK2	Easterly perimeter of main mound (approx 5m away)	10:00	11:00	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
3	ENV42	SK3	South-easterly perimeter of main mound (approx 40m away, Along site perimeter fence)	10:02	11:02	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
4	ABC	SK4	Southerly perimeter of main mound (approx 50m away, Along site perimeter fence)	10:03	11:03	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
5	PO2	SK5	Westerly perimeter of main mound (approx 20m away, on construction site)	10:06	11:06	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
6	ENV24	SK1	Northerly perimeter of smaller mound (approx 10m away)	11:55	12:55	8.0	8.0	8.0	480	200	1.0	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 2/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 14

Pressure (mb): 1011

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Lab

Comments

For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE

(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener

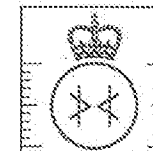


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143146 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 01:05:18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
7	A4	SK2	Easterly perimeter of main mound (approx 5m away)	11:58	12:58	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
8	ENV42	SK3	South-easterly perimeter of main mound (approx 40m away, Along site perimeter fence)	12:00	13:00	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
9	ABC	SK4	Southerly perimeter of main mound (approx 50m away, Along site perimeter fence)	12:02	13:02	8.0	8.0	8.0	480	200	3.0	0.002	<0.01
10	PO2	SK5	Westerly perimeter of main mound (approx 20m away, on construction site)	12:04	13:04	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
11	A4	SK1	Southerly perimeter of main mound (approx 50m away, adjacent footpath)	13:45	14:45	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
12	ENV42	SK2	South-westerly perimeter of main mound (approx 60m away, adjacent footpath and fence)	13:46	14:46	8.0	8.0	8.0	480	200	0.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 2/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 14

Pressure (mb): 1011

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Lab

Comments

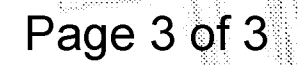
For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE

(on behalf of the client by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener



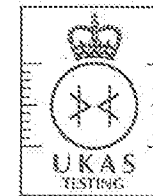


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143147 FC-4

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 02:05:18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
1	AP3	SK1	Darren Farrow - Excavator operative - Blaze	09:20	11:02	3.0	3.0	3.0	302	200	1.5	0.001	<0.02
2	AP3	SK1	Darren Farrow - Excavator operative - Blaze	11:40	12:58	3.0	3.0	3.0	234	200	0.5	0.001	<0.02

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12
Stage Micrometer: WSM21
Tally Counter: 2/US

Barometer: BTC-37
Thermometer: BTC-37
Flow Meter: FM50

Environment:

Temperature (°C): 7
Pressure (mb): 1003
Correction Factor (F): -

Blank Filter

Head: SK7
Graticules:
Fibres:

Place of Analysis:

Lab HY14 DFC
Site
Mob Lab

Comments: Personal monitoring carried out during excavation of contaminated soil. Air testing to ascertain airborne fibre concentration.

SIGNATURE: 
(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener



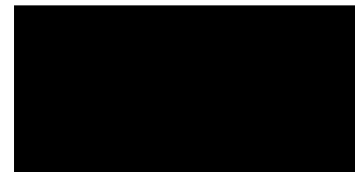
ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143147 FC-4

Personal Monitoring Observation Form



Type & Scale of work: Excavation of potentially contaminated soil by site office

Purpose of monitoring: (select all that apply)

Checking effectiveness of methods ☒ Providing data for personal exposure records ☒ Confirming appropriate RPE being worn ☒

General control measures in use: (select all that apply)

Enclosure (under negative pressure) ☐ Partial enclosure ☐ Injection ☐
Gel/Foam ☐ Shadow vacuum ☐ Spraying ☐

Other (Please specify): Soil is wet

Sampling Details:

Operative's Name/job title: Darren - Excavator operative - Blaze

Type of RPE worn: none

Length of time Operative is / has been exposed: 08:00 -13:00 , 40 min break

Asbestos Product(s) being removed including detail of fixings, size, surface treatment and tools used during works and dust suppression methods being used by operative:

Asbestos cement may be broken within s top layer of soil, heavy rain, windows closed

General Description of activities being undertaking during sampling:

Digging foundations out of ground only approx top 50cm may be contaminated

Is the asbestos in good or bad condition (as per the method statements description): Broken in ground

Other factors which may affect the result (eg approximate size of the enclosure, external location, etc):

Time weighted average (4 Hour TWA) =
$$\frac{(F1 \times T1) + (F2 \times T2) + \dots (Fn \times Tn)}{4}$$
 TWA = NA f/ml

Where F = concentration f/ml
T = Time for that exposure, hours and minutes, 1 hr 30 mins = 1.5

Notes: The sampling period must be sufficient to ensure it is fully representative of the work. Sampling periods should be for 4 hours to access the control limit or for the duration of a specific task for shorter duration activities. A minimum sample time of 10 minutes is required to assess the Short Term Exposure Limit. In general, the client is to specify their requirements depending on previous personal air sampling carried out. All information was collected from the method statement or / and the site contact and this information is deemed as accurate / correct for the purpose of this report.

Analyst: Stefan Kitchener

Signature

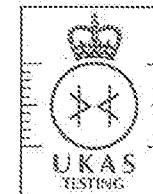


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143147 FC-4

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 02:05:18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
3	A4	SK2	Dirty end of DCU	14:14	14:44	16.0	16.0	16.0	480	200	1.5	0.001	<0.01
4	ENV42	SK3	Shower section of DCU	14:14	14:44	16.0	16.0	16.0	480	200	1.0	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 2/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 7

Pressure (mb): 1003

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Lab

Comments

For exact sample locations see plan on back page. Reassurance air testing carried out in various locations. Air testing to ascertain airborne fibre concentration. Results satisfactory. No air monitoring carried out in external locations due to excessive rainfall.

SIGNATURE

(on behalf of)

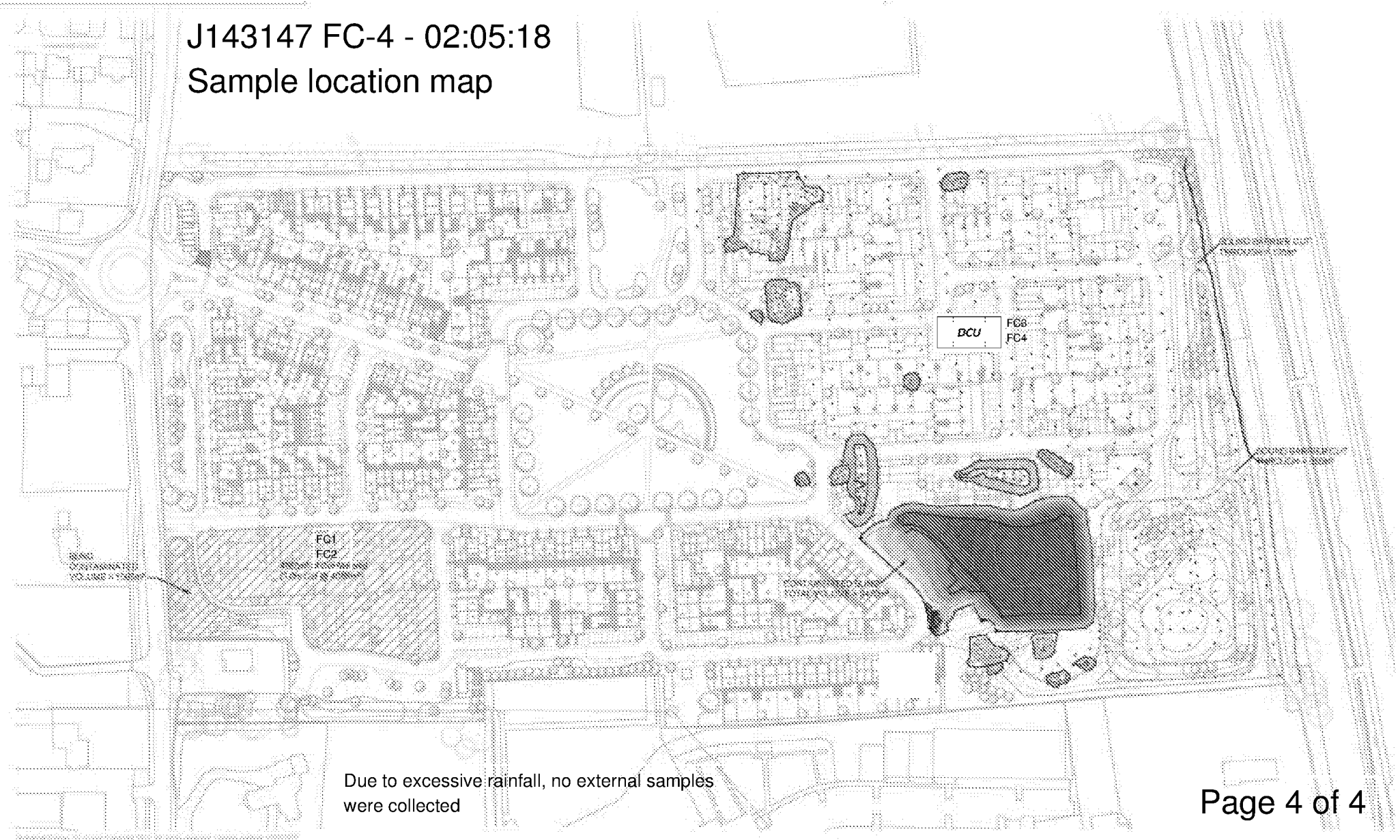
ENVIROCHEM

PRINT NAME: Stefan Kitchener

7/NOV06

J143147 FC-4 - 02:05:18

Sample location map



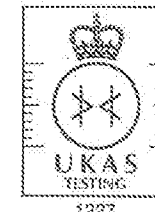


ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143148 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 03:05:18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
1	ENV24	SK1	North-western perimeter of excavation (approx 40m away, Directly outside plot 46)	09:19	10:19	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
2	A4	SK2	Northerly perimeter of excavation (approx 20m away, Directly outside plot 42)	09:20	10:20	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
3	ENV42	SK3	North-easterly perimeter of excavation (approx 30m away, Directly outside No.27)	09:21	10:21	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
4	ABC	SK4	South-easterly perimeter of excavation (approx 20m away, By entrance to cafeteria)	09:28	10:28	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
5	PO2	SK5	South-westerly perimeter of excavation (approx 10m away, Within car park of site office)	09:29	10:29	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
6	ENV24	SK1	North-western perimeter of excavation (approx 40m away, Directly outside plot 46)	10:49	11:49	8.0	8.0	8.0	480	200	1.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 2/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 15

Pressure (mb): 1019

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Lab

Comments For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE
(on behalf of Environment by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

SITE ADDRESS: West End Nursery, Roundstone Lane, Angmering, Littlehampton BN16 4AX

Our Ref: J143148 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 03:05:18

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
7	A4	SK2	Northerly perimeter of excavation (approx 20m away, Directly outside plot 42)	10:49	11:49	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
8	ENV42	SK3	North-easterly perimeter of excavation (approx 30m away, Directly outside No.27	10:50	11:50	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
9	ABC	SK4	South-easterly perimeter of excavation (approx 20m away, By entrance to cafeteria)	10:51	11:51	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
10	PO2	SK5	South-westerly perimeter of excavation (approx 10m away, Within car park of site office	10:52	11:52	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
11	A4	SK1	Northerly perimeter of excavation (approx 20m away, Directly outside plot 42)	12:21	13:21	8.0	8.0	8.0	480	200	1.0	0.001	<0.01
12	ENV42	SK2	North-easterly perimeter of excavation (approx 30m away, Directly outside No.27	12:22	13:22	8.0	8.0	8.0	480	200	1.5	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: Meji 12

Stage Micrometer: WSM-21

Tally Counter: 2/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 19

Pressure (mb): 1019

Correction Factor (F): -

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: SK7

Graticules:

Fibres:

Place of Analysis:

Lab HY14 DFC

On Site

Lab

Comments

For exact sample locations see plan on back page. Reassurance air testing carried out in various locations around asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE

(on behalf of)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener

