

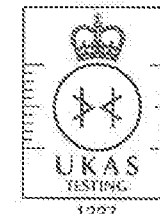


# ENVIROCHEM

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

**Our Ref:** J141129 FC12

**Your Ref:**

**SAMPLING PROTOCOL:** Reassurance

**SAMPLED BY:** S. Hammonds

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 21/04/18

**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          | IL3   | SH07 | Perimeter of site adjacent Cresswell Square | 09:52   | 10:22    | 16.0              | 16.0          | 16.0        | 480               | 200       | 0.5        | 0.001                 | <0.01                     |
| 8          | Mat39 | SH08 | Perimeter of site adjacent Cresswell Square | 09:52   | 10:22    | 16.0              | 16.0          | 16.0        | 480               | 200       | 0.5        | 0.001                 | <0.01                     |
| 9          | IL3   | SH09 | Middle Of Site adjacent large soil mound    | 10:25   | 10:55    | 16.0              | 16.0          | 16.0        | 480               | 200       | 1          | 0.001                 | <0.01                     |
| 10         | Mat39 | SH10 | Middle Of Site adjacent large soil mound    | 10:25   | 10:55    | 16.0              | 16.0          | 16.0        | 480               | 200       | 1          | 0.001                 | <0.01                     |
| 11         | ENV35 | SH01 | Middle Of Site adjacent large soil mound    | 10:28   | 10:58    | 16.0              | 16.0          | 16.0        | 480               | 200       | 0.5        | 0.001                 | <0.01                     |
| 12         | ENV34 | SH02 | Middle Of Site adjacent large soil mound    | 10:28   | 10:58    | 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: M1

Stage Micrometer: WSM1

Tally Counter: 8/US

Barometer: BTC18

Thermometer: BTC18

Flow Meter: FM18

### Environment:

Temperature (°C): 18

Pressure (mb): 1003

Correction Factor (F): N/A

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

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

### Blank Filter

Head:

Graticules:

Fibres:

### Place of Analysis:

Lab HY62

On Site SRX

Mob Lab

### Comments

Reassurance air monitoring carried out around Blaze construction site during construction works, to ascertain airborne fibre concentration levels. Results satisfactory

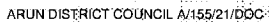
**SIGNATURE:**

(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

**PRINT NAME:** S. Hammonds

### Sample location map



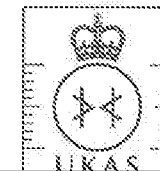


# ENVIROCHEM

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:** J141130 FC-12

**Your Ref:**

**SAMPLING PROTOCOL:** Reassurance

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 23:04:18

**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)                               | 09:34   | 10:34    | 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)                                    | 09:48   | 10:48    | 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) | 09:50   | 10:50    | 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)      | 09:51   | 10:51    | 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)             | 09:55   | 10:55    | 8.0               | 8.0           | 8.0         | 480               | 200       | 0.5        | 0.001                 | <0.01                     |
| 7          | ENV24 | SK1  | Northerly perimeter of smaller mound (approx 10m away)                               | 11:51   | 12:21    | 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: 8/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

### Environment:

Temperature (°C): 15

Pressure (mb): 1013

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 during excavation of asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGN  
(for be  
ENVE

PRINT NAME: Stefan Kitchener

NOV06



# 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:** J141130 FC-12

**Your Ref:**

**SAMPLING PROTOCOL:** Reassurance

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 23:04:18

**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) |                   |           |            |                       |                           |
| 8          | A4    | SK2  | Easterly perimeter of main mound (approx 5m away)                        | 11:57   | 12:57    | 8.0               | 8.0           | 8.0         | 480               | 200       | 2.0        | 0.001                 | <0.01                     |
| 9          | ENV42 | SK3  | South-easterly perimeter of main mound (approx 40m away)                 | 11:58   | 12:58    | 8.0               | 8.0           | 8.0         | 480               | 200       | 2.5        | 0.001                 | <0.01                     |
| 10         | ABC   | SK4  | Southerly perimeter of main mound (approx 50m away)                      | 12:02   | 13:02    | 8.0               | 8.0           | 8.0         | 480               | 200       | 1.0        | 0.001                 | <0.01                     |
| 11         | PO2   | SK5  | Westerly perimeter of main mound (approx 20m away, on construction site) | 12:05   | 13:05    | 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): 15

Pressure (mb): 1013

Correction Factor (F): -

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

Test Slide (5 bands): Yes/No

W/B Grat diameter (µm): 100

### Blank Filter

Head: SK7

Graticules:

Fibres:

### Place of Analysis:

Lab HY14 DFC

On Site

Mod Lab

### Comments

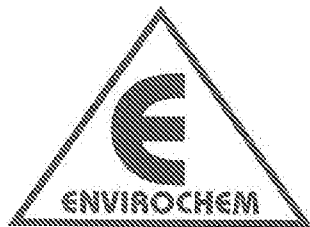
For exact sample locations see plan on back page. Reassurance air testing carried out in various locations during excavation of asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE

(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener

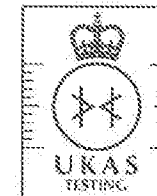


# ENVIROCHEM

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: J141130 FC-12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 23/04/18

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) |                   |           |            |                       |                           |
| 6          | AP3  | SK6  | Billy Mastable - Excavator operative - Earthworks | 09:48   | 10:48    | 3.0               | 3.0           | 3.0         | 180               | 200       | 0.5        | 0.001                 | <0.026                    |
|            |      |      |                                                   |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                   |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                   |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                   |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                   |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                   |         |          |                   |               |             |                   |           |            |                       |                           |

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

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

3. For clearance sampling, this report must be read in conjunction with the certificate of non-occupancy.

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

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

### Equipment Numbers:

Microscope: Meji 12

Barometer: BTC-37

Stage Micrometer: WSM21

Thermometer: BTC-37

Tally Counter: 2/US

Flow Meter: FM50

### Environment:

Temperature (°C): 15

Pressure (mb): 1013

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: SK6

Graticules:

Fibres:

### Place of Analysis:

Lab: HY14 DFC

On 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)

ENVIROCHEM

PRINT NAME: Stefan Kitchener

ISSUE07/NOV06



# ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens  
Broadcut, Fareham  
Hampshire. PO16 8SS

Ref No: J141130 FC-12

## Personal Monitoring Observation Form

Type & Scale of work: Shaping contaminated mound with excavator

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: Billy Mastable

Type of RPE worn: none

Length of time Operative is / has been exposed: 8 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 damp), windows closed

General Description of activities being undertaking during sampling:

Moving earth from mound into articulated dumpers with excavator

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

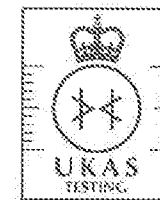


# ENVIROCHEM

Analytical Laboratories Ltd

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

## Fibre Counting Report



1222

CLIENT: Blaze Construction

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

Our Ref: J141127 FC-12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 23/04/18

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) |                   |           |            |                       |                           |
| 12         | AP3  | SK6  | Michael Pronger - Bulldozer operative | 12:01   | 13:03    | 3.0               | 3.0           | 3.0         | 189               | 200       | 0.5        | 0.001                 | <0.026                    |
|            |      |      |                                       |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                       |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                       |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                       |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                       |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                       |         |          |                   |               |             |                   |           |            |                       |                           |

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

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

3. For clearance sampling, this report must be read in conjunction with the certificate of non-occupancy.

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

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

### Equipment Numbers:

Microscope: Meji 12

Barometer: BTC-37

Stage Micrometer: WSM21

Thermometer: BTC-37

Tally Counter: 2/US

Flow Meter: FM50

### Environment:

Temperature (°C): 15

Pressure (mb): 1013

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

Mob Lab

### Comments

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

SIGNATURE

(on behalf of Envirochem)

ENVIROCHEM/1/CHIVES/WORKSHEETS/02/ISSUED/77/NOV06

PRINT NAME: Stefan Kitchener



# ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens  
Broadcut, Fareham  
Hampshire. PO16 8SS

Ref No: J141130 FC-12

## Personal Monitoring Observation Form



Type & Scale of work: Bulldozing contaminated mound to shape surface

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

Type of RPE worn: none

Length of time Operative is / has been exposed: 8 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:

Broken asbestos within soil, Windows will be closed during works

General Description of activities being undertaking during sampling:

Sculpting surface of contaminated mound

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

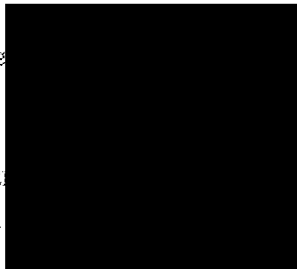
Where F = concentration f/ml

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



| FILL Depth Bands |        |      |
|------------------|--------|------|
| Band 1           | 0.00 - | 0.50 |
| Band 2           | 0.50 - | 1.00 |
| Band 3           | 1.00 - | 1.50 |
| Band 4           | 1.50 - | 2.00 |
| Band 5           | 2.00 - | 2.50 |
| Band 6           | 2.50 - | 3.00 |
| Band 7           | 3.00 - | 3.50 |
| Band 8           | 3.50 - | 4.00 |



# J141130 FC-12 - 23:04:18 - Sample location plan

Notes

The volumes provided are an approximation only and are based on the current design levels. The volumes given below should be used with caution.

1. Cut & Fill

Total contaminated material sources

Contaminated bund = 9470m³  
Phase 1.0m Strip = 4085m³  
Sound Barrier Cut = 490m³ (135m²+355m²)  
Front Bund = 1065m³

Total = 15110m³

KEY PLAN

Notes

1.) It is assumed that any cut material can be reused on site as an engineered fill material. It is likely that material from site will need to be conditioned in terms of their moisture content to ensure they can be adequately compacted within proposed earthworks.

2.) The volume provided are an approximation only on the current design levels. The volumes given below should be used with caution.



| REVISIONS                 |      |             |    |           |
|---------------------------|------|-------------|----|-----------|
| Rev                       | Date | Description | By | Chk. App. |
| POL: 10/11/17 First Issue |      |             |    |           |
| SM D3 D6                  |      |             |    |           |

HYDROCK PROJECTS  
700011111  
ALMONDSBURY  
BRISTOL  
BS42 4DF  
01454 721111  
info@hydrock.co.uk

CLIENT  
CALA HOMES

PURPOSE  
ANGMERING  
REMEDATION

TITLE  
EARTHWORK STRATEGY -  
CONTAMINATED SOURCES

HYDROCK PROJECT CODE  
C-06279-C

SCALE @ A1  
AS SHOWN

STATUS DESCRIPTION  
CONSTRUCTION

STATUS  
S2

DRAWING NO. PROJECT CODE ORIGINATOR'S DESIGN LEVEL TYPE NO. NUMBER  
WEA-HYD-XX-XX-DR-C-2400

REVISION  
P01



# 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:** J141131 FC-12

**Your Ref:**

**SAMPLING PROTOCOL:** Reassurance

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 24.04.18

**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)                               | 09:37   | 10:37    | 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)                                    | 09:44   | 10:44    | 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) | 09:45   | 10:45    | 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)      | 09:48   | 10:48    | 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)             | 09:51   | 10:51    | 8.0               | 8.0           | 8.0         | 480               | 200       | 0.5        | 0.001                 | <0.01                     |
| 7          | ENV24 | SK1  | Northerly perimeter of smaller mound (approx 10m away)                               | 11:34   | 12:34    | 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

Barometer: BTC-37

Stage Micrometer: WSM-21

Thermometer: BTC-37

Tally Counter: 8/US

Flow Meter: FM45

### Environment:

Temperature (°C): 15

Pressure (mb): 1015

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 during excavation of 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

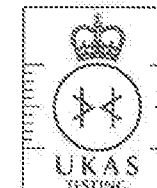


# ENVIROCHEM

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:** J141131 FC-12

**Your Ref:**

**SAMPLING PROTOCOL:** Reassurance

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 24:04:18

**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) |                   |           |            |                       |                           |
| 8          | A4    | SK2  | Easterly perimeter of main mound (approx 5m away)                        | 11:40   | 12:40    | 8.0               | 8.0           | 8.0         | 480               | 200       | 1.5        | 0.001                 | <0.01                     |
| 9          | ENV42 | SK3  | South-easterly perimeter of main mound (approx 40m away)                 | 11:42   | 12:42    | 8.0               | 8.0           | 8.0         | 480               | 200       | 2.0        | 0.001                 | <0.01                     |
| 10         | ABC   | SK4  | Southerly perimeter of main mound (approx 50m away)                      | 11:44   | 12:44    | 8.0               | 8.0           | 8.0         | 480               | 200       | 2.0        | 0.001                 | <0.01                     |
| 11         | PO2   | SK5  | Westerly perimeter of main mound (approx 20m away, on construction site) | 11:47   | 12:47    | 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

Barometer: BTC-37

Stage Micrometer: WSM-21

Thermometer: BTC-37

Tally Counter: 8/US

Flow Meter: FM45

### Environment:

Temperature (°C): 15

Pressure (mb): 1015

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

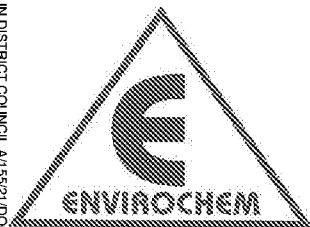
For exact sample locations see plan on back page. Reassurance air testing carried out in various locations during excavation of asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

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:** J141131 FC-12

**Your Ref:**

**SAMPLING PROTOCOL:** Personal

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 24/04/18

**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) |                   |           |            |                       |                           |
| 6          | AP3  | SK6  | Roman Hodoss - Excavator operative - Earthworks | 09:47   | 10:48    | 3.0               | 3.0           | 3.0         | 183               | 200       | 3.0        | 0.004                 | <0.026                    |
|            |      |      |                                                 |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                 |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                 |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                 |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                 |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                 |         |          |                   |               |             |                   |           |            |                       |                           |

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: 8/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM50

### Environment:

Temperature (°C): 15

Pressure (mb): 1015

Correction Factor (F): -

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

Test Slide (5 bands): Yes/No

W/B Grat diameter (µm): 100

### Blank Filter

Head: SK6

Graticules:

Fibres:

### Place of Analysis:

Lab HY14 DFC

On Site

Mob Lab

### Comments

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

SIGN  
(for bel  
ENVI

PRINT NAME: Stefan Kitchener



# ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens  
Broadcut, Fareham  
Hampshire. PO16 8SS

Ref No: J141131 FC-12

## Personal Monitoring Observation Form

Type & Scale of work: Loading moxy with potentially contaminated earth (SE side of mound)

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: Roman Hodoss - Excavator operative - Earthworks

Type of RPE worn: none

Length of time Operative is / has been exposed: 8 hours appox

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 damp), windows closed

General Description of activities being undertaking during sampling:

Moving earth from surface of remedated area to south east of mound onto moxy

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

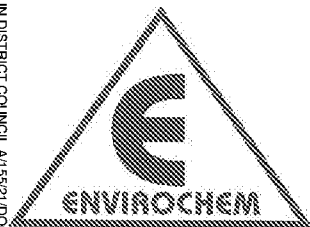
Where F = concentration f/ml

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:

Signature

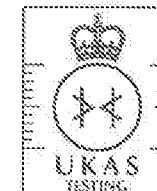


# ENVIROCHEM

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:** J141131 FC-12

**Your Ref:**

**SAMPLING PROTOCOL:** Personal

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 24/04/18

**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) |                   |           |            |                       |                           |
| 12         | AP3  | SK6  | Adreas Dunaikis - Earthworks - Moxy operative | 11:42   | 13:00    | 3.0               | 3.0           | 3.0         | 234               | 200       | 3.5        | 0.004                 | <0.021                    |
|            |      |      |                                               |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                               |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                               |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                               |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                               |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                               |         |          |                   |               |             |                   |           |            |                       |                           |

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: 8/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM50

### Environment:

Temperature (°C): 15

Pressure (mb): 1015

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

Mob Lab

### Comments

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

SIGNATURE

(on behalf of)

ENVIROCHEM/FOUNDER/WORKSHEET/13/02/ISSUED/7/NOV06

PRINT NAME: Stefan Kitchener



# ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens  
Broadcut, Fareham  
Hampshire. PO16 8SS

Ref No: J141131 FC-12

## Personal Monitoring Observation Form

Type & Scale of work: Moving contaminated earth from clearing to main mound

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: Andreas Dunauskis - Earthworks - Moxy operative

Type of RPE worn: none

Length of time Operative is / has been exposed: 8 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:

Broken asbestos within soil, Windows will be closed during works

General Description of activities being undertaking during sampling:

Moving earth from clearing next to mound to top of mound

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: [Redacted]

Sign: [Redacted]

ENVI

J1411 1 FC-12- 24:04:18  
Sample location map



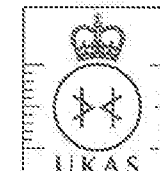


# ENVIROCHEM

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:** J141132 FC-11

**Your Ref:**

**SAMPLING PROTOCOL:** Reassurance

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 25.04.18

**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)                               | 09:19   | 10:19    | 8.0               | 8.0           | 8.0         | 480               | 200       | 3.0        | 0.002                 | <0.01                     |
| 2          | A4    | SK2  | Easterly perimeter of main mound (approx 5m away)                                    | 09:24   | 10:24    | 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) | 09:25   | 10:25    | 8.0               | 8.0           | 8.0         | 480               | 200       | 3.5        | 0.002                 | <0.01                     |
| 4          | ABC   | SK4  | Southerly perimeter of main mound (approx 50m away, Along site perimeter fence)      | 09:26   | 10:26    | 8.0               | 8.0           | 8.0         | 480               | 200       | 2.0        | 0.001                 | <0.01                     |
| 5          | PO2   | SK5  | Westerly perimeter of main mound (approx 20m away, on construction site)             | 09:29   | 10:29    | 8.0               | 8.0           | 8.0         | 480               | 200       | 2.0        | 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): 15

Pressure (mb): 1013

Correction Factor (F): -

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

Test Slide (5 bands): Yes/No

W/B Grat diameter (µm): 100

### Blank Filter

Head: SK7

Graticules:

Fibres:

### Place of Analysis:

Lab HY14 DFC

On Site

Mod Lab

### Comments

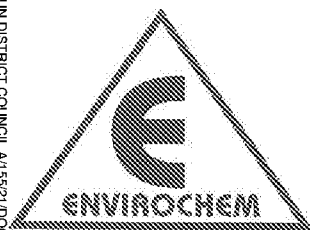
For exact sample locations see plan on back page. Reassurance air testing carried out in various locations during excavation of asbestos contaminated earth. Air testing to ascertain airborne fibre concentration. Results satisfactory.

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:** J141132 FC-11

**Your Ref:**

**SAMPLING PROTOCOL:** Reassurance

**SAMPLED BY:** Stefan Kitchener

**ANALYSED BY (if different):**

**DATE OF SAMPLING:** 25:04:18

**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          | ENV24 | SK1  | Project building, Shower room    | 12:02   | 12:32    | 16.0              | 16.0          | 16.0        | 480               | 200       | 3.5        | 0.002                 | <0.01                     |
| 8          | A4    | SK2  | Project building, Main corridor  | 12:02   | 12:32    | 16.0              | 16.0          | 16.0        | 480               | 200       | 3.0        | 0.002                 | <0.01                     |
| 9          | ENV42 | SK3  | Project building, 2x Office      | 12:03   | 12:33    | 16.0              | 16.0          | 16.0        | 480               | 200       | 1.5        | 0.001                 | <0.01                     |
| 10         | ABC   | SK4  | Project building, Meeting room   | 12:03   | 12:33    | 16.0              | 16.0          | 16.0        | 480               | 200       | 1.5        | 0.001                 | <0.01                     |
| 11         | PO5   | SK5  | Project building, Induction room | 12:04   | 12:34    | 16.0              | 16.0          | 16.0        | 480               | 200       | 5.0        | 0.003                 | <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): 15

Pressure (mb): 1013

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

Reassurance air testing carried out following intrusive asbestos survey. Air testing to ascertain airborne fibre concentration. Results satisfactory.

SIGNATURE

(on behalf of)

ENVIROCHEM

PRINT NAME: Stefan Kitchener

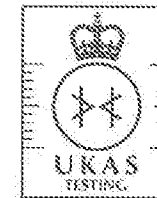


# ENVIROCHEM

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: J141132 FC-11

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 25/04/18

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) |                   |           |            |                       |                           |
| 6          | AP3  | SK6  | Michael Pronger - Bulldozer operative - Earthworks | 09:26   | 10:28    | 3.0               | 3.0           | 3.0         | 186               | 200       | 0.5        | 0.001                 | <0.026                    |
|            |      |      |                                                    |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                    |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                    |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                    |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                    |         |          |                   |               |             |                   |           |            |                       |                           |
|            |      |      |                                                    |         |          |                   |               |             |                   |           |            |                       |                           |

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

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

3. For clearance sampling, this report must be read in conjunction with the certificate of non-occupancy.

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

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

### Equipment Numbers:

Microscope: Meji 12

Barometer: BTC-37

Stage Micrometer: WSM21

Thermometer: BTC-37

Tally Counter: 8/US

Flow Meter: FM50

### Environment:

Temperature (°C): 15

Pressure (mb): 1013

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

Mob Lab

### Comments

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

SIGNAT  
for behalf  
ENVIRO

PRINT NAME: Stefan Kitchener



# ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens  
Broadcut, Fareham  
Hampshire. PO16 8SS

Ref No: J141132 FC-11

## Personal Monitoring Observation Form

Type & Scale of work: Scraping surface of clearing next to contaminated mound onto mound

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: 8 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 damp), windows closed

General Description of activities being undertaking during sampling:

Moving earth from surface of remedated area to contaminated mound

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

ARUN DISTRICT COUNCIL

J1411 2 FC-11- 25:04:18

Sample location map

