



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: J143527 - FC12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 07/06/2018

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)					
FC-9	0236	MW5	On operative Donald Anderson, in digger cab	11.55	13.04	3.0	3.0	3.0	207	100	1.5	0.004	<0.04

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: Meiji 10

Barometer: BTC 25

Stage Micrometer: WSM 13

Thermometer: BTC 25

Tally Counter: 8/US

Flow Meter: FM22

Environment:

Temperature (°C): 21

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: MW5

Graticules: -

Fibres: -

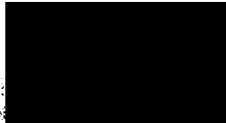
Place of Analysis:

Lab RF11 PVK

On Site

Mob Lab

Comments Personal air testing carried out during digging and ground spreading within contaminated area to establish airborne fibre concentration to operative.

SIGNATURE: 
(on behalf of Envirochem Laboratory)

PRINT NAME: M Wagstaff



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143527 FC12

Personal Monitoring Observation Form

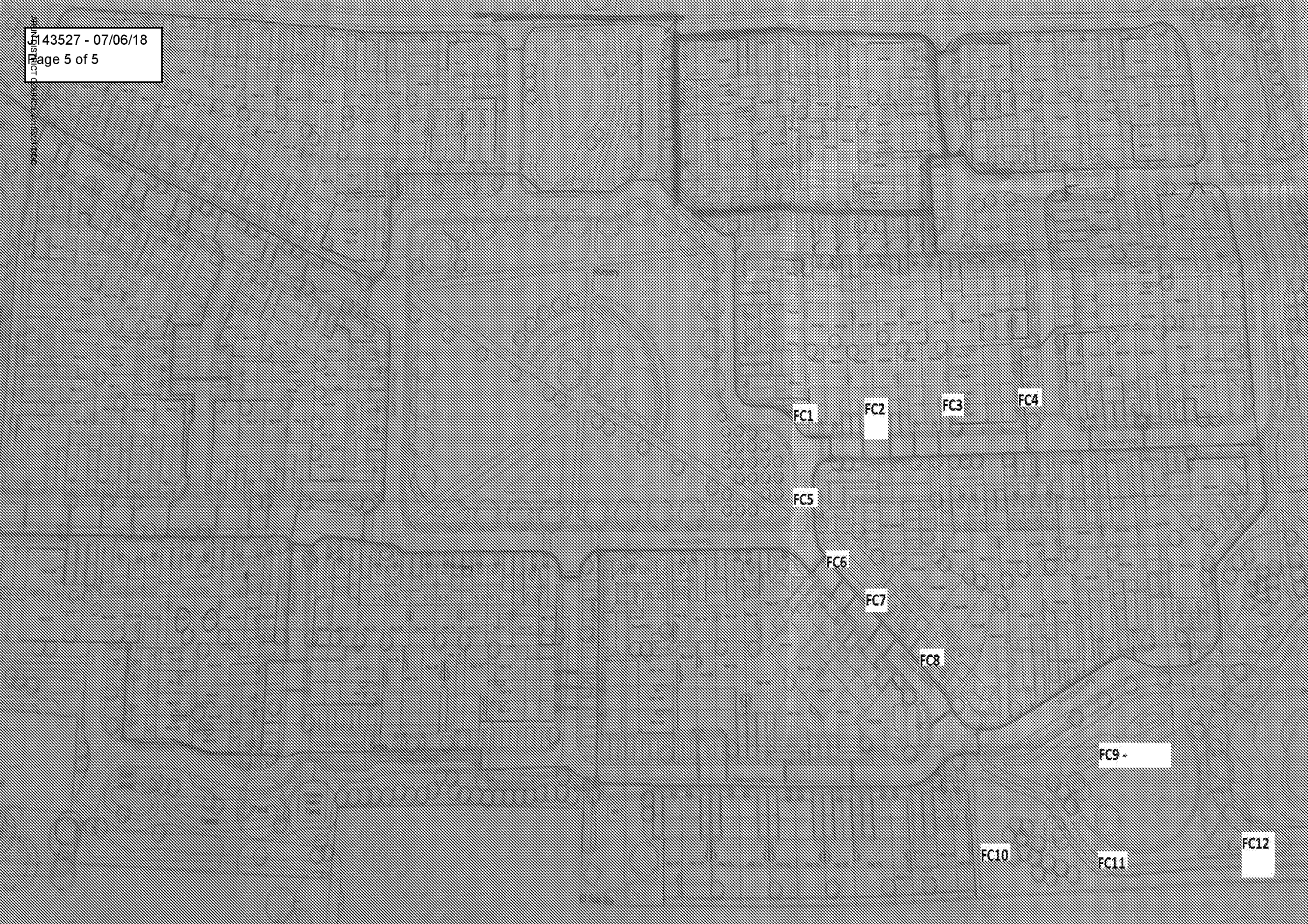
Type & Scale of work:	Remediation ground works of former nursery		
Purpose of monitoring: (select all that apply)			
Checking effectiveness of methods	☒	Providing data for personal exposure records	☒
		Confirming appropriate RPE being worn	☒
General control measures in use: (select all that apply)			
Enclosure (under negative pressure)	☐	Partial enclosure	☐
Gel/Foam	☐	Shadow vacuum	☐
Other (Please specify):	Decontamination unit, exclusion zone		
Injection ☐			
Spraying ☐			
Sampling Details:			
Operative's Name/job title:	Donald Anderson, digger driver		
Type of RPE worn:	N/A		
Length of time Operative is / has been exposed:	Approximately 4.5 hours		
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 materials identified within the soil matrix			
General Description of activities being undertaken during sampling:			
Digging of contaminated material and transporting to the in fill hole.			
Is the asbestos in good or bad condition (as per the method statements description):			
Degraded			
Other factors which may affect the result (eg approximate size of the enclosure, external location, etc):			
External location			
Time weighted average (4 Hour TWA) = $\frac{(F1 \times T1) + (F2 \times T2) + \dots + (Fn \times Tn)}{4}$			
Not required			
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: M Wagstaff

Signature

ENVIROCHEM

JULY17



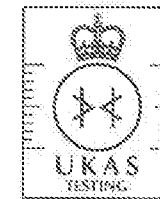


ENVIROCHEM

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, Westhampton, BN16
4AX

Our Ref: J143528 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 08/06/2018

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)					
FC-1	ENV21	MW1	Location 1; next to car park and main site road	09.12	10.12	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.12	10.12	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-3	50	MW3	Location 3; along side asbestos mound	09.17	10.17	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-4	61	MW4	Location 4; along side asbestos mound	09.17	10.17	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-5	ENV21	MW1	Location 5; front of asbestos mound, recycling station	10.29	11.29	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.29	11.29	8.0	8.0	8.0	480	200	2	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.

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

Equipment Numbers:

Microscope: Meiji 10

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 18

Pressure (mb): 1014

Correction Factor (F): -

Blank Filter

Head: 5

Graticules:

Fibres:

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

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

Reassurance air monitoring during on going ground works. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem)

ENVIROCHEM/FC

PRINT NAME: M Wagstaff

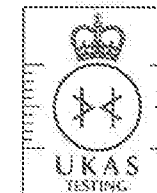


ENVIROCHEM

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: J143528 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 08/06/2018

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)					
FC-7	50	MW3	Location 7; front of asbestos mound	10.32	11.32	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-8	61	MW4	Location 8; front of in fill hole	10.32	11.32	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-10	ENV21	MW1	Location 9; within exclusion zone, opposite warehouses	11.57	12.57	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-11	RY2	MW2	Location 10; within exclusion zone, opposite warehouses	11.57	12.57	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-12	50	MW3	Location 11; within exclusion zone, opposite warehouses	11.59	12.59	8.0	8.0	8.0	480	200	3	0.002	<0.01

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

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Equipment Numbers:

Microscope: Meiji 10

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 23

Pressure (mb): 1014

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: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

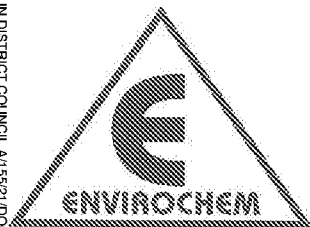
Reassurance air monitoring during ongoing ground works within asbestos exclusion zone. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem)

ENVIROCHEM/

PRINT NAME: M Wagstaff



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: J143528 - FC12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 08/06/2018

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)					
FC-9	0236	MW5	On operative Christopher O'Neil, in catapiller cab	11.55	13.04	3.0	3.0	3.0	210	100	2.5	0.006	<0.04

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

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Equipment Numbers:

Microscope: Meiji 10

Barometer: BTC 25

Stage Micrometer: WSM 13

Thermometer: BTC 25

Tally Counter: 8/US

Flow Meter: FM22

Environment:

Temperature (°C): 21

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: MW5

Graticules: -

Fibres: -

Place of Analysis:

Lab RF11 PVK

On Site

Mob Lab

Comments

Personal air testing carried out during digging and ground spreading within contaminated area to establish airborne fibre concentration to operative.

SIGNATURE
(on behalf of Envirochem by an authorised signatory)

PRINT NAME: M Wagstaff



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143528 FC12

Personal Monitoring Observation Form

Type & Scale of work:	Remediation ground works of former nursery		
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	☐
Gel/Foam	☐	Shadow vacuum	☐
Other (Please specify):	Decontamination unit, exclusion zone		
Injection ☐			
Spraying ☐			
Sampling Details:			
Operative's Name/job title:	Chris O'Neil, catapiller driver		
Type of RPE worn:	N/A		
Length of time Operative is / has been exposed:	Approximately 4.5 hours		
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 materials identified within the soil matrix			
General Description of activities being undertaken during sampling:			
Transporting contaminated material from asbestos mound to in fill hole and leveling the material			
Is the asbestos in good or bad condition (as per the method statements description):			
Degraded			
Other factors which may affect the result (eg approximate size of the enclosure, external location, etc):			
External location			
Time weighted average (4 Hour TWA) = $\frac{(F1 \times T1) + (F2 \times T2) + \dots + (Fn \times Tn)}{4}$			
Not required			
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.			

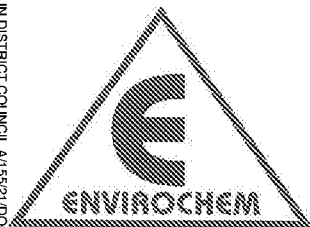
Analyst: M Wagstaff

Signature

ENVIRO

ARUN DISTRICT CO



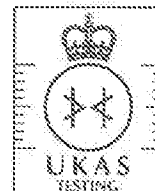


ENVIROCHEM

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, Westhampton, BN16
4AX

Our Ref: J146036 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 09/06/2018

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)					
FC-1	ENV21	MW1	Location 1; next to site welfare and main site road	09.13	09.43	16.0	16.0	16.0	480	200	1.5	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.13	09.43	16.0	16.0	16.0	480	200	2.5	0.001	<0.01
FC-3	50	MW3	Location 3; along site road	09.17	09.47	16.0	16.0	16.0	480	200	1	0.001	<0.01
FC-4	ENV41	MW4	Location 4; along side asbestos mound	09.17	09.47	16.0	6.0	16.0	480	200	3.5	0.002	<0.01
FC-5	ENV21	MW5	Location 5; front of asbestos mound	10.00	10.30	16.0	16.0	16.0	480	200	2.5	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.00	10.30	16.0	16.0	16.0	480	200	3	0.002	<0.01

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

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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: Meiji 10

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 18

Pressure (mb): 1014

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: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

Reassurance air monitoring during on going ground works. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE

(on behalf of Env)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff



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: J146036 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 09/06/2018

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)					
FC-7	50	MW3	Location 7; Front of asbestos mound, along road	10.03	10.33	16.0	16.0	16.0	480	200	3	0.002	<0.01
FC-8	ENV41	MW4	Location 8; Front of asbestos mound, along road	10.03	10.33	16.0	16.0	16.0	480	200	3	0.002	<0.01
FC-9	ENV21	MW1	Location 9; within exclusion zone, middle section	10.50	11.20	16.0	16.0	16.0	480	200	2	0.001	<0.01
FC-10	RY2	MW2	Location 10; within exclusion zone, middle section	10.50	11.20	16.0	16.0	16.0	480	200	2	0.001	<0.01
FC-11	50	MW3	Location 11; within exclusion zone, adjacent warehouses	10.53	11.23	16.0	16.0	16.0	480	200	1	0.001	<0.01
FC-12	ENV41	MW4	Location 12; within exclusion zone, adjacent warehouses	10.53	11.23	16.0	16.0	16.0	480	200	3	0.002	<0.01

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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: Meiji 10

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 20

Pressure (mb): 1017

Correction Factor (F): -

Blank Filter

Head: 5

Graticules:

Fibres:

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

Test Slide (5 bands): Yes/No

W/B Grat diameter (µm): 100

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

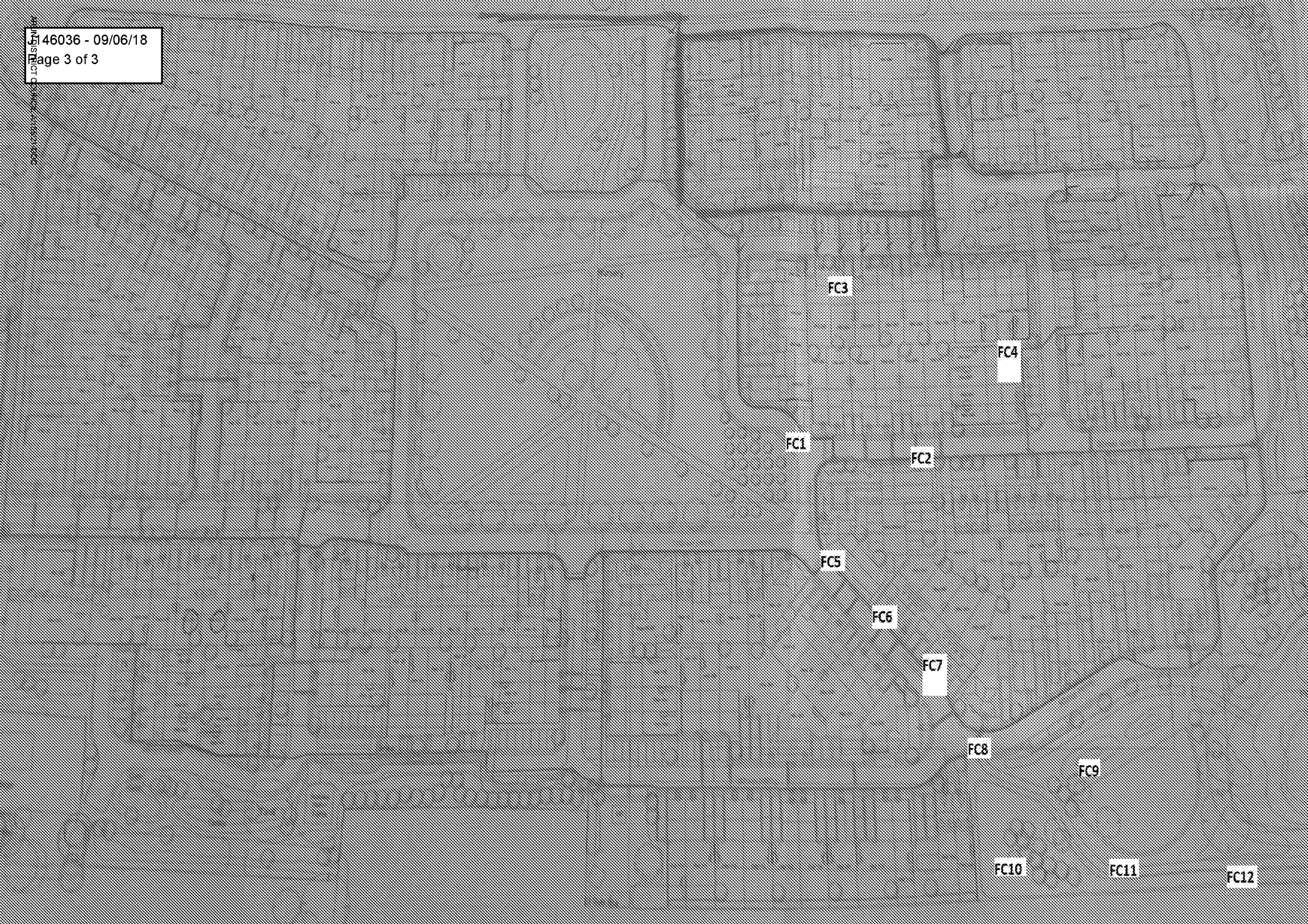
Reassurance air monitoring during on going ground works. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff



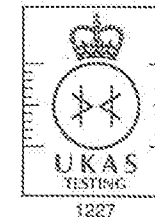


ENVIROCHEM

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: J143529 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

DATE OF SAMPLING: 11:06:18

ANALYSED BY (if different):

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	Westerly perimeter of remaining clean mound, Approx 10m away	09:13	11:13	4.0	4.0	4.0	480	200	0.0	0.000	<0.01
2	A4	SK2	North-easterly perimeter of dirty site, Approx 20m away from public pathway	09:14	11:14	4.0	4.0	4.0	480	200	0.5	0.001	<0.01
3	ENV42	SK3	South-easterly perimeter of dirty site, Approx 2m away from perimeter fence	09:15	11:15	4.0	4.0	4.0	480	200	0.5	0.001	<0.01
4	JS1	SK4	South-easterly perimeter of dirty site, Approx 2m away from perimeter fence (by garden centre car park)	09:18	11:18	4.0	4.0	4.0	480	200	0.5	0.001	<0.01
5	ABC	SK5	South-westerly perimeter of dirty site, Approx 5m away from dirty site perimeter fence (In front of houses under construction)	09:20	11:20	4.0	4.0	4.0	480	200	0.5	0.001	<0.01
6	ENV24	SK1	Westerly perimeter of remaining clean mound, Approx 10m away	12:00	14:00	4.0	4.0	4.0	480	200	1.0	0.001	<0.01

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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): 23
Pressure (mb): 1009
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/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: Stefan Kitchener

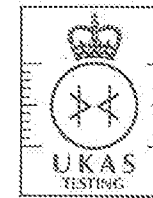


ENVIROCHEM

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: J143529 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

DATE OF SAMPLING: 11:06:18

ANALYSED BY (if different):

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	North-easterly perimeter of dirty site, Approx 20m away from public pathway	12:01	14:01	4.0	4.0	4.0	480	200	0.0	0.000	<0.01
8	ENV42	SK3	South-easterly perimeter of dirty site, Approx 2m away from perimeter fence	12:03	14:03	4.0	4.0	4.0	480	200	0.5	0.001	<0.01
9	JS1	SK4	South-easterly perimeter of dirty site, Approx 2m away from perimeter fence (by garden centre car park)	12:04	14:04	4.0	4.0	4.0	480	200	0.5	0.001	<0.01
10	ABC	SK5	South-westerly perimeter of dirty site, Approx 5m away from dirty site perimeter fence (In front of houses under construction)	12:05	14:05	4.0	4.0	4.0	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): 23

Pressure (mb): 1009

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: J143529 FC-12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 11:06:18

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)					
11	AP3	SK6	Billy Bastable - excavator operative	09:16	11:16	3.0	3.0	3.0	360	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: WSM21
Tally Counter: 2/US

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

Environment:

Temperature (°C): 23
Pressure (mb): 1009
Correction Factor (F): -

Blank Filter

Head: SK6
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: J143529 FC-12

Personal Monitoring Observation Form

Type & Scale of work: Sculpting surface of earth, contaminated soil beneath top layer of soil

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: 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:

Asbestos is broken within soil, windows closed

General Description of activities being undertaking during sampling:

Sculpting surface of soil with bulldozer, asbestos is buried, small amounts mixed in top layer

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

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

30min break where operative may leave cab for toilet break or walk

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: Stefan Kitchener

Signature:

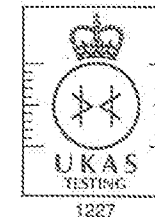


ENVIROCHEM

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: J143529 FC-12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 11:06:18

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	Chris O'niel - Bulldozer operative	12:04	14:10	3.0	3.0	3.0	378	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: WSM21
Tally Counter: 2/US

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

Environment:

Temperature (°C): 23
Pressure (mb): 1009
Correction Factor (F): -

Blank Filter

Head: SK6
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: J143529 FC-12

Personal Monitoring Observation Form

Type & Scale of work: Sculpting surface of earth, contaminated soil beneath top layer of soil

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: Excavator 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:

Asbestos is broken within soil, windows closed

General Description of activities being undertaking during sampling:

Sculpting surface of soil with excavator, asbestos is buried

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

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

30min break where operative may leave cab for toilet break or walk

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

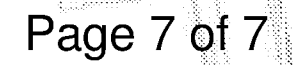
Where F = concentration f/ml

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: Stefan Kitchener

Signature



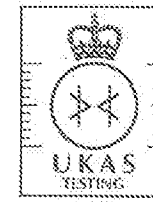


ENVIROCHEM

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: J147029 FC-12

Your Ref:

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: Stefan Kitchener

ANALYSED BY (if different):

DATE OF SAMPLING: 02:07:18

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	A4	SK1	North-easterly perimeter of site, Near site car park	09:38	10:38	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
2	ENV42	SK2	North-easterly perimeter of site, Next to smaller mound	09:39	10:39	8.0	8.0	8.0	480	200	2.0	0.001	<0.01
3	ABC	SK3	Northerly perimeter of site, Next to larger mound	09:41	10:41	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
4	A4	SK1	Northerly perimeter of site, Next to mound (during excavation)	10:56	11:5	8.0	8.0	8.0	480	200	3.5	0.002	<0.01
5	ENV42	SK2	Northerly perimeter of site, Along fence line (during excavation)	10:57	11:57	8.0	8.0	8.0	480	200	3.5	0.002	<0.01
6	ABC	SK3	Northerly perimeter of site, Along fence line (during excavation)	10:58	11:58	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: 2/US

Barometer: BTC-37

Thermometer: BTC-37

Flow Meter: FM45

Environment:

Temperature (°C): 26

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

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