



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: J143514 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 18/05/2018

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; Along transit road	09.04	10.04	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-2	RY2	MW2	Location 2; At fence to exclusion zone entrance	09.05	10.05	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-3	50	MW3	Location 3; next to asbestos skip	09.08	10.08	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-4	61	MW4	Location 4; within exclusion zone, adjacent warehouses	09.09	10.09	8.0	8.0	8.0	480	200	4.5	0.002	<0.01
FC-5	ENV21	MW1	Location 5; along side asbestos mound	10.34	11.34	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-6	RY2	MW2	Location 6; along side asbestos mound	10.35	11.35	8.0	8.0	8.0	480	200	1	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: Meiji 10

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 16

Pressure (mb): 1023

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 remediation works. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff

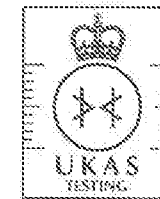


ENVIROCHEM

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: J143514 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 18/05/2018

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; along side asbestos mound	10.42	11.42	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-8	ENV41	MW4	Location 8; along side asbestos mound	10.43	11.43	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-9	ENV21	MW1	Location 9; opposite asbestos mound, on site road	12.02	13.02	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-10	RY2	MW2	Location 10; Next to recycling bays	12.04	13.04	8.0	8.0	8.0	480	200	4.5	0.002	<0.01
FC-11	50	MW3	Location 11; staff car park	12.06	13.06	8.0	8.0	8.0	480	200	1	0.002	<0.01
FC-12	61	MW4	Location 12; staff car park	12.06	13.06	8.0	8.0	8.0	480	200	0.5	0.001	<0.01

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

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

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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): 16

Pressure (mb): 1023

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 remediation works. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE:

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ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff

FC12

FC11

FC5

FC6

FC7

FC8

FC10

FC9

FC2

FC3

FC1

FC4

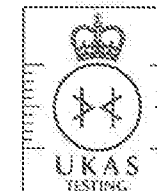


ENVIROCHEM

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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: J144818 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 19/05/2018

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; site road	09.31	10.01	16.0	16.0	16.0	480	200	2	0.001	<0.01
FC-2	RY2	MW2	Location 2; central of area	09.32	10.02	16.0	16.0	16.0	480	200	2.5	0.001	<0.01
FC-3	50	MW3	Location 3; along side asbestos mound	09.34	10.04	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
FC-4	ENV41	MW4	Location 4; along side asbestos mound	09.35	10.05	16.0	6.0	16.0	480	200	3	0.002	<0.01
FC-5	61	MW5	Location 5; along side asbestos mound	09.38	10.08	16.0	16.0	16.0	480	200	2	0.001	<0.01
FC-6	RY2	MW2	Location 6;	10.37	11.07	16.0	16.0	16.0	480	200	1.5	0.001	<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

Stage Micrometer: WSM 13

Tally Counter: S/US

Barometer: BTC 26

Thermometer: BTC 26

Flow Meter: FM22

Environment:

Temperature (°C): 18

Pressure (mb): 1023

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 movement of asbestos earth from mound to hole within exclusion zone. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE:

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ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff

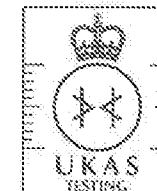


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Fibre Counting Report



CLIENT: Blaze Construction

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

Our Ref: J144818 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 19/05/2018

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	RY2	MW2	Location 7; Front of asbestos mound, along road	10.37	11.07	16.0	16.0	16.0	480	200	1.5	0.001	<0.01
FC-8	50	MW3	Location 8; Front of asbestos mound, along road	10.39	11.09	16.0	16.0	16.0	480	200	3	0.002	<0.01
FC-9	ENV41	MW4	Location 9; Front of asbestos mound, along road	10.39	11.09	16.0	16.0	16.0	480	200	3.5	0.002	<0.01
FC-10	RY2	MW2	Location 10; Next to asbestos waste skip	12.04	13.04	16.0	16.0	16.0	480	200	1	0.001	<0.01
FC-11	50	MW3	Location 11; within exclusion zone, adjacent warehouses	12.06	13.06	16.0	16.0	16.0	480	200	3	0.002	<0.01
FC-12	ENV41	MW4	Location 12; within exclusion zone, adjacent warehouses	12.06	13.06	16.0	16.0	16.0	480	200	2.5	0.001	<0.01

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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): 16

Pressure (mb): 1023

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 movement of asbestos earth from mound to hole within exclusion zone. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff

FC1

FC2

FC3

FC4

FC5

FC6

FC7

FC8

FC9

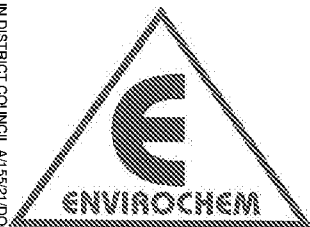
Contaminated mound

FC10

Hole

FC11

FC12



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Hampshire. PO16 8SS

Fibre Counting Report



CLIENT: Blaze Construction

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

Our Ref: J143515 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 21/05/2018

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; on site road, near staff car park	09.07	10.07	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.08	10.08	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-3	50	MW3	Location 3; along side asbestos mound	09.10	10.10	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-4	ENV41	MW4	Location 4; along side asbestos mound	09.10	10.10	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-5	ENV21	MW1	Location 5; front of asbestos mound, near recycling area	10.31	11.31	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.32	11.32	8.0	8.0	8.0	480	200	2	0.001	<0.01

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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): -

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 movement of asbestos earth from mound to hole within exclusion zone. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE:

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ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff

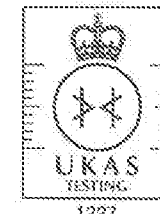


ENVIROCHEM

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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: J143515 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 21/05/2018

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	10.35	11.35	8.0	8.0	8.0	480	200	4	0.002	<0.01
FC-8	ENV41	MW4	Location 8; front of in fill hole	10.35	11.35	8.0	8.0	8.0	480	200	4.5	0.002	<0.01
FC-9	ENV21	MW1	Location 9; next to asbestos waste skip	11.55	12.55	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-10	RY2	MW2	Location 10; within exclusion zone, opposite warehouses	11.56	12.56	8.0	8.0	8.0	480	200	3.5	0.002	<0.01
FC-11	50	MW3	Location 11; within exclusion zone, opposite warehouses	11.56	12.56	8.0	8.0	8.0	480	200	5	0.003	<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): 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

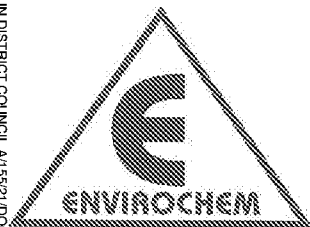
Reassurance air monitoring during movement of asbestos earth from mound to hole within exclusion zone. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem Ltd by authorised signatory)

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: J143515 - FC12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 21/05/2018

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-12	0236	MW5	On operative Donald Anderson, in dumper cab	11.59	13.10	3.0	3.0	3.0	213	100	1.5	0.004	<0.05

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 25

Stage Micrometer: WSM 13

Thermometer: BTC 25

Tally Counter: 8/US

Flow Meter: FM22

Environment:

Temperature (°C): 20

Pressure (mb): 1012

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: -

Graticules: -

Fibres: -

Place of Analysis:

Lab RF11 PVK

On Site

Mob Lab

Comments

Personal air testing carried out during the asbestos muck away of contaminated mound to hole. Operative operating a digger, loading material onto dumpers which transported contaminated soil to designated in fill hole.

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143515 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:			
Movement of asbestos containing earth material to a designated in fill hole. Earth is loaded onto a dumper by a digger and transported within an exclusion zone.			
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

Sign

ENVIRO

JULY 17

J143515 FC12

21/05/18

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FC1

FC2

FC3

FC4

FC5

FC6

FC7

FC8

FC12

Contaminated mound

FC9

FC10

FC11

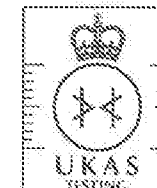


ENVIROCHEM

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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: J143516 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 22/05/2018

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; on site road, near staff car park	09.09	10.09	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.10	10.10	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-3	50	MW3	Location 3; along side asbestos mound	09.12	10.12	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-4	ENV41	MW4	Location 4; along side asbestos mound	09.12	10.12	8.0	8.0	8.0	480	200	3.5	0.002	<0.01
FC-5	ENV21	MW1	Location 5; front of asbestos mound, near recycling area	10.32	11.32	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.32	11.32	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.

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

Stage Micrometer: WSM 13

Tally Counter: S/US

Barometer: BTC 26

Thermometer: BTC 26

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

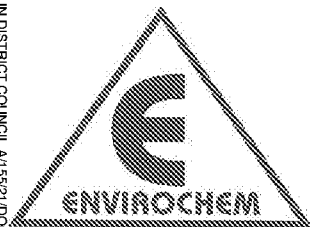
Reassurance air monitoring during movement of asbestos earth from mound to hole within exclusion zone. Site located near to housing estate. See map for sampling locations. Results: satisfactory

SIGNATURE

(on behalf of Envirochem)

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

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: J143516 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 22/05/2018

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	10.34	11.34	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-8	ENV41	MW4	Location 8; front of in fill hole	10.37	11.37	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-10	ENV21	MW1	Location 9; next to asbestos waste skip	11.54	12.54	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-11	RY2	MW2	Location 10; within exclusion zone, opposite warehouses	11.54	12.54	8.0	8.0	8.0	480	200	4	0.002	<0.01
FC-12	50	MW3	Location 11; within exclusion zone, opposite warehouses	11.56	12.56	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.

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

Stage Micrometer: WSM 13

Tally Counter: S/US

Barometer: BTC 26

Thermometer: BTC 26

Flow Meter: FM22

Environment:

Temperature (°C): 22

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 movement of asbestos earth from mound to hole within exclusion zone. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff

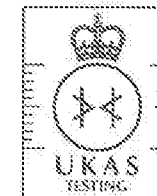


ENVIROCHEM

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: J143516 - FC12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 22/05/2018

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 Michael Pronger, in caterpillar cab	11.40	13.00	3.0	3.0	3.0	240	100	1.5	0.003	<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): 20

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: -

Graticules: -

Fibres: -

Place of Analysis:

Lab RF11 PVK

On Site

Mob Lab

Comments

Personal air testing carried out during the asbestos muck away of contaminated mound to hole. Operative operating a digger, loading material onto dumpers which transported contaminated soil to designated in fill hole.

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143516 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:	Michael Pronger, 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:			
Movement of asbestos containing earth material to a designated in fill hole. Earth which has been unloaded into in fill hole is levelled out using the catapiller			
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			
$\text{Time weighted average (4 Hour TWA)} = \frac{(F1 \times T1) + (F2 \times T2) + \dots + (Fn \times Tn)}{4}$			
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.			

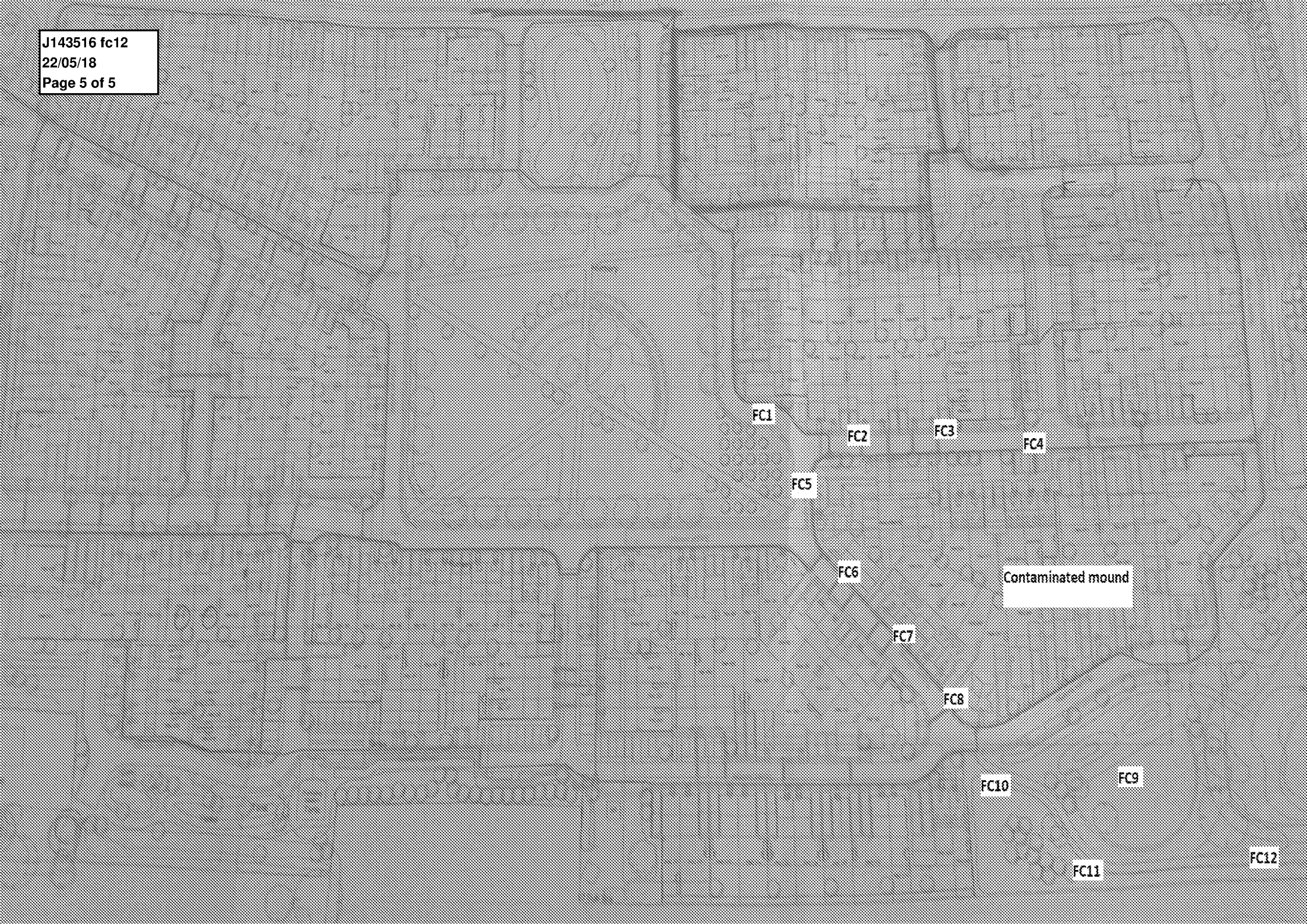
Analyst: M Wagstaff

Signature

ENVIROCHEM

JULY 17

ARUN DISTRICT COUNCIL



FC1

FC2

FC3

FC4

FC5

FC6

Contaminated mound

FC7

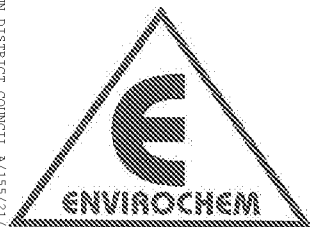
FC8

FC10

FC9

FC11

FC12

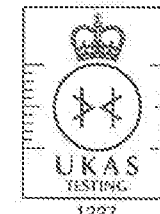


ENVIROCHEM

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: J143517 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 23/05/2018

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; on site road, near staff car park	09.04	10.04	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.04	10.04	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-3	50	MW3	Location 3; along side asbestos mound	09.06	10.06	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-4	ENV41	MW4	Location 4; along side asbestos mound	09.07	10.07	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-5	ENV21	MW1	Location 5; front of asbestos mound, near recycling area	10.28	11.28	8.0	8.0	8.0	480	200	1	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.

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

Stage Micrometer: WSM 13

Tally Counter: S/US

Barometer: BTC 26

Thermometer: BTC 26

Flow Meter: FM22

Environment:

Temperature (°C): 20

Pressure (mb): 1019

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 movement of asbestos earth from mound to hole within exclusion zone. Site located near to housing estate. See map for sampling locations. Results: satisfactory

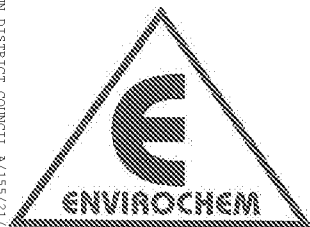
SIGNATURE:

(on behalf of Envirochem)

ENVIROCHEM/F

PRINT NAME: M Wagstaff

DV06

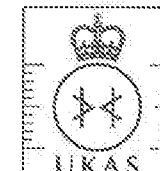


ENVIROCHEM

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: J143517 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 23/05/2018

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	1.5	0.002	<0.01
FC-8	ENV41	MW4	Location 8; front of in fill hole	10.32	11.32	8.0	8.0	8.0	480	200	4.5	0.002	<0.01
FC-9	ENV21	MW1	Location 9; next to asbestos waste skip	11.48	12.48	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-10	RY2	MW2	Location 10; within exclusion zone, opposite warehouses	11.49	12.49	8.0	8.0	8.0	480	200	2	0.002	<0.01
FC-11	50	MW3	Location 11; within exclusion zone, opposite warehouses	11.51	12.51	8.0	8.0	8.0	480	200	3.5	0.002	<0.01

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

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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): 21

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: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

Reassurance air monitoring during movement of asbestos earth from mound to hole within exclusion zone. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem)

PRINT NAME: M Wagstaff