



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: J143520 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 29/05/2018

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	09.12	10.12	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.13	10.13	8.0	8.0	8.0	480	200	0.5	0.001	<0.01
FC-3	50	MW3	Location 3; along side asbestos mound	09.16	10.16	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-4	ENV41	MW4	Location 4; along side asbestos mound	09.16	10.16	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-5	ENV21	MW1	Location 5; front of asbestos mound, near recycling area	10.43	11.43	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.44	11.44	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

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 13

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 limited ground works due to heavy rainfall. Soil saturated and little to no dust present. 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



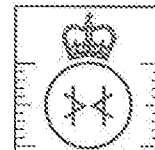
ENVIROCHEM

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: J143520 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 29/05/2018

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, along road	10.46	11.46	16.0	16.0	16.0	480	200	0.5	0.001	<0.01
FC-8	ENV41	MW4	Location 8; Front of asbestos mound, along road	10.46	11.46	16.0	16.0	16.0	480	200	1	0.001	<0.01
FC-9	ENV21	MW1	Location 9; Opposite Haskins store	12.07	13.07	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	12.08	13.08	16.0	16.0	16.0	480	200	2	0.001	<0.01
FC-11	50	MW3	Location 11; within exclusion zone, adjacent warehouses	12.09	13.09	16.0	16.0	16.0	480	200	1.5	0.001	<0.01
FC-12	ENV41	MW4	Location 12; within exclusion zone, adjacent warehouses	12.10	13.10	16.0	16.0	16.0	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: Meiji 10

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 14

Pressure (mb): 1015

Correction Factor (F): -

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

Test Slide (5 bands): Yes/No

W/B Grati diameter (µm): 100

Blank Filter

Head: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

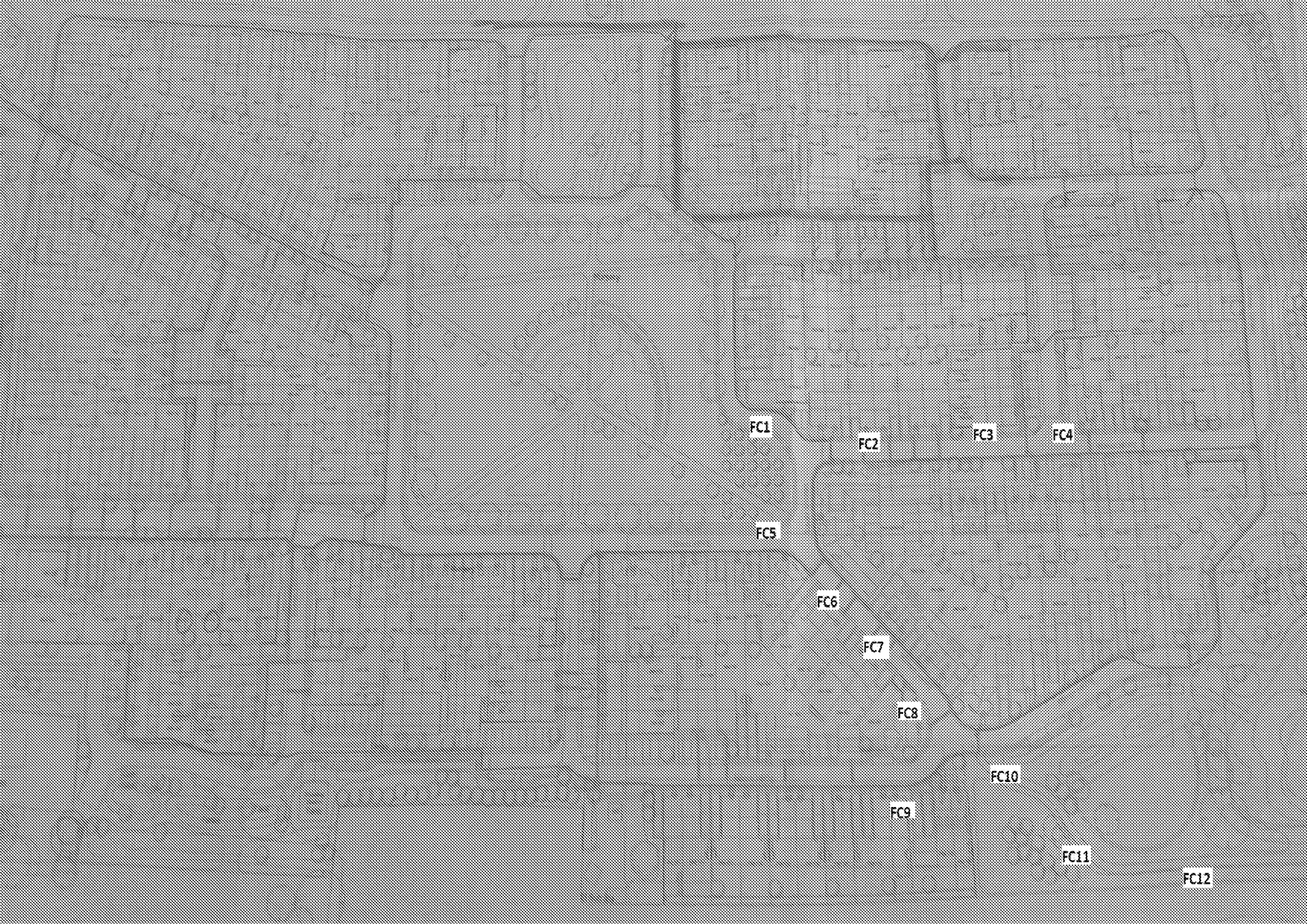
Comments: Reassurance air monitoring during limited ground works due to heavy rainfall. Soil saturated and little to no dust present. See map for sampling locations. Results: satisfactory

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(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff



FC1

FC2

FC3

FC4

FC5

FC6

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: J143521 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 30/05/2018

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	09.03	10.03	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.04	10.04	8.0	8.0	8.0	480	200	2.5	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	09.06	10.06	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-5	ENV21	MW1	Location 5; front of asbestos mound, near recycling area	10.30	11.30	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.30	11.30	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.

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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): 17

Pressure (mb): 1011

Correction Factor (F): -

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

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

Reassurance air monitoring during ongoing ground works. Soil saturated and little to no dust present. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

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PRINT NAME: M Wagstaff



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Fibre Counting Report



1227

CLIENT: Blaze Construction

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

Our Ref: J143521 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 30/05/2018

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	3	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	2.5	0.001	<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	2	0.001	<0.01
FC-10	RY2	MW2	Location 10; within exclusion zone, opposite warehouses	11.55	12.55	8.0	8.0	8.0	480	200	4	0.002	<0.01
FC-11	50	MW3	Location 11; within exclusion zone, opposite warehouses	12.02	13.02	8.0	8.0	8.0	480	200	2	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

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 ongoing ground works. Soil saturated and little to no dust present.. See map for sampling locations. Results: satisfactory

SIGNATURE:

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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: J143521 - FC12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 30/05/2018

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 Bill Basenball, in digger cab	11.56	13.12	3.0	3.0	3.0	228	100	2.5	0.006	<0.04

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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): 18

Pressure (mb): 1012

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 within contaminated area to establish airborne fibre concentration to operative.

SIGNATURE:

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PRINT NAME: M Wagstaff



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143521

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: Bill Basenball			
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 undertaking during sampling:			
Digging within identified contamination area			
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, soil saturated from previous rainfall			
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 W

Signature: M W



FC1

FC2

FC3

FC4

FC5

FC6

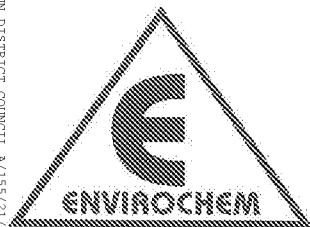
FC7

FC9

FC10

FC11

FC12

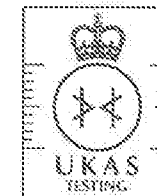


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Fibre Counting Report



CLIENT: Blaze Construction

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

Our Ref: J143522 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 31/05/2018

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	09.00	10.00	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.00	10.00	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-3	50	MW3	Location 3; along side asbestos mound	09.04	10.04	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-4	ENV41	MW4	Location 4; along side asbestos mound	09.05	10.05	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	10.23	11.23	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.23	11.23	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): 17

Pressure (mb): 1011

Correction Factor (F): -

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

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

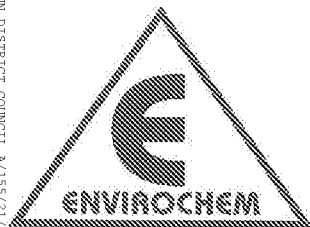
Reassurance air monitoring during ongoing ground works. Soil saturated and little to no dust present. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEET/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: J143522 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 31/05/2018

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	10.25	11.25	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-8	ENV41	MW4	Location 8; adjacent in fill hole	10.25	11.25	8.0	8.0	8.0	480	200	1.5	0.001	<0.01
FC-9	ENV21	MW1	Location 9; within exclusion zone, opposite warehouses	11.58	12.58	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-10	RY2	MW2	Location 10; within exclusion zone, opposite warehouses	11.59	12.59	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-12	50	MW3	Location 11; next to asbestos waste skip	12.07	13.07	8.0	8.0	8.0	480	200	4	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.

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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): 21

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: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

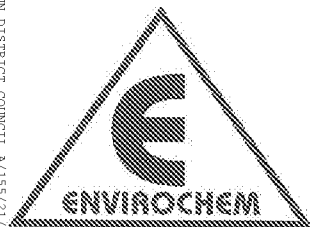
Reassurance air monitoring during ongoing ground works. Soil saturated and little to no dust present.. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem by an authorised signatory)

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PRINT NAME: M Wagstaff



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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: J143522 - FC12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 31/05/2018

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-11	0236	MW5	On operative Michael Pronger, in catapiller cab	12.02	13.03	3.0	3.0	3.0	183	100	1	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.

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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 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 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 within contaminated area to establish airborne fibre concentration to operative.

SIGNATURE

(on behalf of Envirochem by an authorised signatory)

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PRINT NAME: M Wagstaff



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J143522

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 ☐	Injection ☐	
Gel/Foam ☐	Shadow vacuum ☐	Spraying ☐	
Other (Please specify):	Decontamination unit, exclusion zone		
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 undertaking during sampling:			
Digging and spreading soil within identified contamination area			
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, soil saturated from rainfall			
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

1/JULY17



FC1

FC2

FC3

FC4

FC5

FC6

FC7

FC8

FC11 - mobile

FC12

FC9

FC10

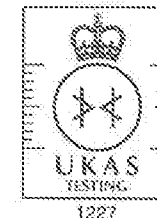


ENVIROCHEM

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: J143523 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 01/06/2018

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; on site road, near staff car park	09.04	10.04	8.0	8.0	8.0	480	200	2	0.001	<0.01
FC-2	RY2	MW2	Location 2; along side asbestos mound	09.04	10.04	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-3	50	MW3	Location 3; along side horris fencing	09.08	10.08	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-4	ENV41	MW4	Location 4; along side horris fencing	09.10	10.10	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	10.30	11.30	8.0	8.0	8.0	480	200	1	0.001	<0.01
FC-6	RY2	MW2	Location 6; front of asbestos mound	10.30	11.30	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): 17

Pressure (mb): 1017

Correction Factor (F): -

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

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: 5

Graticules:

Fibres:

Place of Analysis:

Lab

On Site

Mob Lab RF11 PVK

Comments

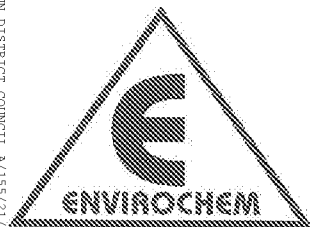
Reassurance air monitoring during ongoing ground works. Soil saturated and little to no dust present. See map for sampling locations. Results: satisfactory

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: J143523 - FC12

Your Ref: N/A

SAMPLING PROTOCOL: Reassurance

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 01/06/2018

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	10.34	11.34	8.0	8.0	8.0	480	200	2.5	0.001	<0.01
FC-8	ENV41	MW4	Location 8; adjacent in fill hole	10.34	11.34	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-10	ENV21	MW1	Location 9; within exclusion zone, opposite warehouses	11.55	12.55	8.0	8.0	8.0	480	200	3	0.002	<0.01
FC-11	RY2	MW2	Location 10; within exclusion zone, opposite warehouses	11.55	12.55	8.0	8.0	8.0	480	200	2.5	0.002	<0.01
FC-12	50	MW3	Location 11; next to asbestos waste skip	11.57	12.57	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

Barometer: BTC 26

Stage Micrometer: WSM 13

Thermometer: BTC 26

Tally Counter: S/US

Flow Meter: FM22

Environment:

Temperature (°C): 21

Pressure (mb): 1017

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

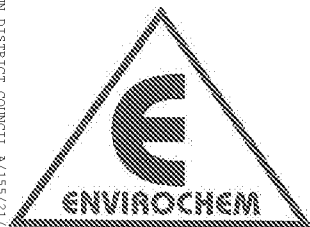
Reassurance air monitoring during ongoing ground works. Soil saturated and little to no dust present.. See map for sampling locations. Results: satisfactory

SIGNATURE:

(on behalf of Envirochem)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: M Wagstaff

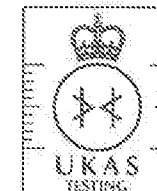


ENVIROCHEM

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: J143523 - FC12

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: M Wagstaff

ANALYSED BY (if different):

DATE OF SAMPLING: 01/06/2018

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	11.53	13.03	3.0	3.0	3.0	210	100	1	0.002	<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): 1012

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 within contaminated area to establish airborne fibre concentration to operative.

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: J143523

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 and spreading soil within identified contamination area			
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, soil saturated from rainfall			
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:

