

Client ID #
2027.07

MICRO ANALYTICAL LABORATORIES, INC.

5900 Hollis St., Suite M, Emeryville, CA 94608
(510) 653-0824 - (510) 653-1361 - FAX

Log in # 148229

Name / Client / Address:

Northgate Environmental

300 Frank H. Ogawa Plaza, Suite 510
Oakland, CA 94612

Project
Tronox LLC



COPY
Asbestos (TEM) NIOSH 7400

Asbestos

Lead Only

Metals (Specify)

Mold, Non-Viable

Other (Specify)

Tel. (510) 839-0688

Fax (510) 839-4350

E-mail ted.splitter@ngem.com

Job No. 2027.07

Number of Samples Turn-Around Time
10 3-5 DAYS

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
	RZ-C-39A-12142010	RZ-C-39A Work Zone (BS826313)	12/14/2010	11:56 16:07 251	2.0	502.00	0.80
	FB-1-12142010	RZ-C-39A Work Zone Field Blank (BS826516)	12/14/2010	: : 0	0.0	0.00	0.80
	RZ-C-39A-12152010	RZ-C-39A Work Zone (BS826311)	12/15/2010	06:08 16:00 592	2.0	1,184.00	0.80
	FB-1-12152010	RZ-C-39A Work Zone Field Blank (BS826351)	12/15/2010	: : 0	0.0	0.00	0.80
	RZ-C-12072010B	RZ-C-17, 09A, 10A, 22A Work Zones (BS826269)	12/07/2010	5:30 16:28 658	2.0	1,316.00	0.80
	FB-1-12072010B	RZ-C-17, 09A, 10A, 22A Work Zone Field Blank (BS826352)	12/07/2010	: : 0	0.0	0.00	0.80
	RZ-B-12082010B	RZB Work Zone (BS826316)	12/08/2010	05:25 16:12 647	2.0	1,294.00	0.80
	FB-2-12082010	RZB Work Zone Field Blank (BS822935)	12/08/2010	: : 0	0.0	0.00	0.80
	RZ-C-12082010B	RZ-C-09A, 10A, 17, 22A Work Zone (BS826279)	12/08/2010	5:35 17:20 705	2.0	1,410.00	0.80
	FB-1-12082010	RZ-C-09A, 10A, 17, 22A Work Zone Field Blank (BS826280)	12/08/2010	: : 0	0.0	0.00	0.80

Instructions / Comments: Fax E-mail To: ted.splitter@ngem.com; david.behnken@ngem.com

Sample Return: YES NO If "YES" is checked, samples will be returned to the client or archived at Micro Analytical if required. If "NO" is checked, solid samples may be disposed of within three months (one week for liquid samples, lab suspensions, and digestates).

Francisco Barron

Sampler's Signature / Name

Ronda S. Bailey 1425

Note to Lab: If any samples are not acceptable, record reasons for rejection.

Ronda S. Bailey

Drop Box / Courier

Relinquished By

Date / Time

Received By

Date / Time

Relinquished By

Date/Time

Received By

Date / Time

Client ID #
2027.07

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Log in #

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Northgate Environmental

Project

Tronox LLC

COPY

Asbestos (TEM) NIOSH 7400

300 Frank H. Ogawa Plaza, Suite 510
Oakland, CA 94612

Asbestos

Lead Only

Metals (Specify)

Mold, Non-Viable

Other (Specify)

Tel. (510) 839-0688

Fax (510) 839-4350

Job No. 2027.07

E-mail ted.splitter@ngem.com

Number of Samples 10 Turn-Around Time 3-5 DAYS

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
	RZ-C-12092010B	RZ-C-09A, 17 Work Zone (BS826286)	12/09/2010	5:42 17:30 708	2.0	1,416.00	0.80
	FB-1-12092010	RZ-C-09A, 17 Work Zone Field Blank (BS826275)	12/09/2010	: : 0	0.0	0.00	0.80
	RZ-B-12102010B	RZ-B Work Zone (BS826531)	12/10/2010	5:15 15:06 591	2.0	1,182.00	0.80
	FB-1-12102010	RZ-B-09A, 17 Work Zone Field Blank (BS823033)	12/10/2010	: : 0	0.0	0.00	0.80
	RZ-C-12102010	RZ-C-17, 09A, 10A, 22A Work Zones (BS826261)	12/10/2010	5:25 16:05 640	2.0	1,280.00	0.80
	FB-2-12102010	RZ-C-17, 09A, 10A, 22A Work Zone Field Blank (BS826256)	12/10/2010	: : 0	0.0	0.00	0.80
	RZ-B-12132010	RZB-14 Work Zone (BS823044)	12/13/2010	08:00 16:00 480	2.0	960.00	0.80
	FB-1-RZB-12132010	RZB-14 Work Zone Field Blank (BS826252)	12/13/2010	: : 0	0.0	0.00	0.80
	RZ-B-12152010	RZ-B Work Zone (BS826492)	12/15/2010	6:20 15:42 562	2.0	1,124.00	0.80
	FB-RZB-12152010	RZB Work Zone Field Blank (BS826349)	12/15/2010	: : 0	0.0	0.00	0.80

Instructions / Comments: Fax E-mail To: ted.splitter@ngem.com; david.behnken@ngem.com

Sample Return: YES NO If "YES" is checked, samples will be returned to the client or archived at Micro Analytical if required. If "NO" is checked, solid samples may be disposed of within three months (one week for liquid samples, lab suspensions, and digestates).

Francisco Barron

Sampler's Signature / Name

1/25

Note to Lab: If any samples are not acceptable, record reasons for rejection.

Ronda S. Bailey

Drop Box / Courier

Relinquished By

Date / Time

Received By

Date / Time

Relinquished By

Date/Time

Received By

Date / Time

Client ID #
2027.07
Name / Client / Address:
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Asbestos

Lead Only

Metals (Specify)

Mold, Non-Viable

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10 3-5 DAYS

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
	RZ-C-39A.39-12162010B	RZ-C-39A,39 Work Zone (BS826362)	12/16/2010	6:09 16:00 591	2.0	1,182.00	0.80
	FB-1-12162010	RZ-C-39A,39 Work Zone Field Blank (BS826488)	12/16/2010	: : 0	0.0	0.00	0.80
	RZ-C-12132010B	RZ-C-22A,10A,09A,17 Work Zone (BS823039)	12/13/2010	7:26 17:40 614	2.0	1,228.00	0.80
	FB-1-12132010B	RZ-B-09A,17 Work Zone Field Blank (BS823040)	12/13/2010	: : 0	0.0	0.00	0.80
	RZ-C-12142010B	RZ-C-17, 09A, 10A, 22A Work Zones (BS826312)	12/14/2010	6:00 18:00 720	2.0	1,440.00	0.80
	FB-1-12142010B	RZ-C-17,09A,10A,22A Work Zone Field Blank (BS826343)	12/14/2010	: : 0	0.0	0.00	0.80
	RZ-C-12152010B	RZC-17,09A Work Zone (BS826346)	12/15/2010	06:10 16:08 598	2.0	1,196.00	0.80
	FB-1-12152010B	RZB-17,09A Work Zone Field Blank (BS826337)	12/15/2010	: : 0	0.0	0.00	0.80
	RZ-C-12162010B	RZ-C-17,22A Work Zone (BS826412)	12/16/2010	6:15 15:58 583	2.0	1,166.00	0.80
	FB-1-12162010B	RZ-C-17,22A Work Zone Field Blank (BS826327)	12/16/2010	: : 0	0.0	0.00	0.80

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Francisco Barron

Sampler's Signature / Name

Note to Lab: If any samples are not acceptable, record reasons for rejection.

Ronda S. Bailey *Ronda Bailey* 12/17/2010 1425 Drop Box / Courier

Relinquished By Date / Time Received By Date / Time

Relinquished By Date / Time Received By Date / Time

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2027.07
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Asbestos (TEM) NIOSH 7400

Asbestos

Lead Only

Metals (Specify)

Mold, Non-Viable

Other (Specify)

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10 3-5 DAYS

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
148229-1	RZ-C-39A-12142010	RZ-C-39A Work Zone (BS826313)	12/14/2010	11:56 16:07 251	2.0	502.00	0.80
2	FB-1-12142010	RZ-C-39A Work Zone Field Blank (BS826516)	12/14/2010	: : 0	0.0	0.00	0.80
3	RZ-C-39A-12152010	RZ-C-39A Work Zone (BS826311)	12/15/2010	06:08 16:00 592	2.0	1,184.00	0.80
4	FB-1-12152010	RZ-C-39A Work Zone Field Blank (BS826351)	12/15/2010	: : 0	0.0	0.00	0.80
5	RZ-C-12072010B	RZ-C-17, 09A, 10A, 22A Work Zones (BS826269)	12/07/2010	5:30 16:28 658	2.0	1,316.00	0.80
6	FB-1-12072010B	RZ-C-17,09A,10A,22A Work Zone Field Blank (BS826352)	12/07/2010	: : 0	0.0	0.00	0.80
7	RZ-B-12082010B	RZB Work Zone (BS826316)	12/08/2010	05:25 16:12 647	2.0	1,294.00	0.80
8	FB-2-12082010	RZB Work Zone Field Blank (BS822935)	12/08/2010	: : 0	0.0	0.00	0.80
9	RZ-C-12082010B	RZ-C-09A,10A,17,22A Work Zone (BS826279)	12/08/2010	5:35 17:20 705	2.0	1,410.00	0.80
10	FB-1-12082010	RZ-C-09A,10A,17,22A Work Zone Field Blank (BS826280)	12/08/2010	: : 0	0.0	0.00	0.80

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Francisco Barron *Francisco Barron*

Sampler's Signature / Name: *Ronda S. Bailey* 1425 Note to Lab: If any samples are not acceptable, record reasons for rejection.

Relinquished By: Ronda S. Bailey Date/Time: 12/20/2010 Drop Box / Courier: *thm* Received By: *thm* Date/Time: 12-20-10 11:00

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

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2027.07
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Project
Tronox LLC

Asbestos (TEM) NIOSH 7400

Asbestos _____

Lead Only _____

Metals (Specify) _____

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Fax (510) 839-4350

Job No. 2027.07

Mold, Non-Viable _____

E-mail ted.splitter@ngem.com

Other (Specify) _____

Number of Samples 10 **Turn-Around Time** 3-5 DAYS

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
148229-11	RZ-C-12092010B	RZ-C-09A, 17 Work Zone (BS826286)	12/09/2010	5:42 17:30 708	2.0	1,416.00	0.80
12	FB-1-12092010	RZ-C-09A, 17 Work Zone Field Blank (BS826275)	12/09/2010	: : 0	0.0	0.00	0.80
13	RZ-B-12102010B	RZ-B Work Zone (BS826531)	12/10/2010	5:15 15:06 591	2.0	1,182.00	0.80
14	FB-1-12102010	RZ-B-09A, 17 Work Zone Field Blank (BS823033)	12/10/2010	: : 0	0.0	0.00	0.80
15	RZ-C-12102010	RZ-C-17, 09A, 10A, 22A Work Zones (BS826261)	12/10/2010	5:25 16:05 640	2.0	1,280.00	0.80
16	FB-2-12102010	RZ-C-17, 09A, 10A, 22A Work Zone Field Blank (BS826256)	12/10/2010	: : 0	0.0	0.00	0.80
17	RZ-B-12132010	RZB-14 Work Zone (BS823044)	12/13/2010	08:00 16:00 480	2.0	960.00	0.80
18	FB-1-RZB-12132010	RZB-14 Work Zone Field Blank (BS826252)	12/13/2010	: : 0	0.0	0.00	0.80
19	RZ-B-12152010	RZ-B Work Zone (BS826492)	12/15/2010	6:20 15:42 562	2.0	1,124.00	0.80
20	FB-RZB-12152010	RZB Work Zone Field Blank (BS826349)	12/15/2010	: : 0	0.0	0.00	0.80

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Francisco Barron
Sampler's Signature / Name *Francisco Barron* 12/25

Ronda S. Bailey
Relinquished By *Ronda S. Bailey* 12/17/2010 Drop Box / Courier *HKM* 12-20-10 10:00
Date / Time Received By Date / Time

Relinquished By Date/Time Received By Date / Time

Client ID #
2027.07
Name / Client / Address:
Northgate Environmental

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Number of Samples **Turn-Around Time**
10 3-5 DAYS

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148229-21	RZ-C-39A,39-12162010B	RZ-C-39A,39 Work Zone (BS826362)	12/16/2010	6:09 16:00 591	2.0	1,182.00	0.80
22	FB-1-12162010	RZ-C-39A,39 Work Zone Field Blank (BS826488)	12/16/2010	: : 0	0.0	0.00	0.80
23	RZ-C-12132010B	RZ-C-22A,10A,09A,17 Work Zone (BS823039)	12/13/2010	7:26 17:40 614	2.0	1,228.00	0.80
24	FB-1-12132010B	RZ-B-09A,17 Work Zone Field Blank (BS823040)	12/13/2010	: : 0	0.0	0.00	0.80
25	RZ-C-12142010B	RZ-C-17, 09A, 10A, 22A Work Zones (BS826312)	12/14/2010	6:00 18:00 720	2.0	1,440.00	0.80
26	FB-1-12142010B	RZ-C-17,09A,10A,22A Work Zone Field Blank (BS826343)	12/14/2010	: : 0	0.0	0.00	0.80
27	RZ-C-12152010B	RZC-17,09A Work Zone (BS826346)	12/15/2010	06:10 16:08 598	2.0	1,196.00	0.80
28	FB-1-12152010B	RZB-17,09A Work Zone Field Blank (BS826337)	12/15/2010	: : 0	0.0	0.00	0.80
29	RZ-C-12162010B	RZ-C-17,22A Work Zone (BS826412)	12/16/2010	6:15 15:58 583	2.0	1,166.00	0.80
30	FB-1-12162010B	RZ-C-17,22A Work Zone Field Blank (BS826327)	12/16/2010	: : 0	0.0	0.00	0.80

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Francisco Barron
Sampler's Signature / Name: *Francisco Barron*

Ronda S. Bailey *Ronda Bailey* 12/17/2010 1425 Drop Box / Courier Note to Lab: If any samples are not acceptable, record reasons for rejection.
Relinquished By: Date / Time Received By: Date / Time

Relinquished By: Date / Time Received By: Date / Time

MICRO ANALYTICAL LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY



1027
Northgate Environmental Management
300 Frank H. Ogawa Plaza
Suite 510
Oakland, CA 94612

PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **148229**
Total Samples 30
Date Sampled 12/14/2010
Date Received 12/20/2010
Date Analyzed 12/20/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: RZ-C-39A-12142010 Micro: 148229-01 KS 12/14/2010 RZ-C-39A WORK ZONE (BS826313)	Time 251 Rate 2 Liters 502.0	Fibers 6.5 Fields 100 F/mm ² 8.3	0.006	LCL 0.003 UCL 0.010 LOD 0.005 LOQ 0.077 CV 0.28
Client: FB-1-12142010 Micro: 148229-02 12/14/2010 RZ-C-39A WORK ZONE FIELD BLANK (BS826516)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.20
Client: RZ-C-39A-12152010 Micro: 148229-03 12/15/2010 RZ-C-39A WORK ZONE (BS826311)	Time 592 Rate 2 Liters 1184.0	Fibers 3.5 Fields 100 F/mm ² < 7.0	< 0.002	LCL 0.000 UCL 0.008 LOD 0.002 LOQ 0.033 CV 1.20
Client: FB-1-12152010 Micro: 148229-04 12/15/2010 RZ-C-39A WORK ZONE FIELD BLANK (BS826351)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.20
Client: RZ-C-12072010B Micro: 148229-05 12/7/2010 RZ-C-17, 09A, 10A, 22A WORK ZONES (BS826269)	Time 658 Rate 2 Liters 316.0	Fibers 7 Fields 100 F/mm ² 8.9	0.003	LCL 0.001 UCL 0.004 LOD 0.002 LOQ 0.029 CV 0.28

Technical Supervisor: Frank Raviola, M.S. 12/20/2010 Date Reported

Analyst: KS

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 101768. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/15/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm². Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm². The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and lowest expected concentrations (in fibers/cc) for a given fiber count, based on the reported concentration. Intralaboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + [1.645 x CV x Standard]). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute, 8 Hour TWA: calculated time weighted average concentration (in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours; zero concentration is assumed for remaining time if no information is given. Micro Analytical Laboratories, Inc. assumes no responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Micro Analytical Laboratories, Inc. shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm². N/A = not applicable.

MICRO ANALYTICAL LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY



1027
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PROJECT:
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JOB NO. 2027.07

Micro Log In **148229**
Total Samples 30
Date Sampled 12/14/2010
Date Received 12/20/2010
Date Analyzed 12/20/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-1-12072010B Micro: 148229-06 12/7/2010 RZ-C-17, 09A, 10A, 22A WORK ZONE FIELD BLANK (BS826352)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-B-12082010B Micro: 148229-07 12/8/2010 RZB WORK ZONE (BS826316)	Time 647 Rate 2 Liters 1294.0	Fibers 19.5 Fields 100 F/mm ² 24.8	0.007	LCL LOD CV	UCL 0.011 0.030 0.28
Client: FB-2-12082010 Micro: 148229-08 12/8/2010 RZB WORK ZONE FIELD BLANK (BS822935)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-C-12082010B Micro: 148229-09 12/8/2010 RZ-C-09A, 10A, 17, 22A WORK ZONE (BS826279)	Time 705 Rate 2 Liters 1410.0	Fibers 13 Fields 100 F/mm ² 16.6	0.005	LCL LOD CV	UCL 0.007 0.027 0.28
Client: FB-1-12082010 Micro: 148229-10 12/8/2010 RZ-C-09A, 10A, 17, 22A WORK ZONE FIELD BLANK (BS826280)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20

Technical Supervisor: _____

Frank Raviola, M.S.

12/20/2010
Date Reported

Analyst: _____

KS

AIHA IHLP LABORATORY Accreditation / PAT ID No. 101788. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/15/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm². Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm². The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and lowest expected concentrations (in fibers/cc) for a given fiber count, based on the reported concentration. Intralaboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + [1.645 x CV x Standard]). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute. 8 Hour TWA: calculated time weighted average concentration (in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours; zero concentration is assumed for remaining time if no information is given. Micro Analytical Laboratories, Inc. assumes no responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Micro Analytical Laboratories, Inc. shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm². N/A = not applicable.

MICRO ANALYTICAL LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY



1027
Northgate Environmental Management
300 Frank H. Ogawa Plaza
Suite 510
Oakland, CA 94612

PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **148229**
Total Samples 30
Date Sampled 12/14/2010
Date Received 12/20/2010
Date Analyzed 12/20/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: RZ-C-12092010B Micro: 148229-11 12/9/2010 RZ-C-09A, 17 WORK ZONE (BS826286)	Time 708 Rate 2 Liters 1416.0	Fibers 8.5 Fields 100 F/mm ² 10.8	0.003	LCL 0.001 LOD 0.002 CV	UCL 0.005 LOQ 0.027 0.28
Client: FB-1-12092010 Micro: 148229-12 12/9/2010 RZ-C-09A, 17 WORK ZONE FIELD BLANK (BS826275)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-B-12102010B Micro: 148229-13 KS 12/10/2010 RZ-B WORK ZONE (BS826531)	Time 591 Rate 2 Liters 1182.0	Fibers 39.5 Fields 100 F/mm ² 50.3	0.016	LCL 0.010 LOD 0.002 CV	UCL 0.023 LOQ 0.033 0.20
Client: FB-1-12102010 Micro: 148229-14 12/10/2010 RZ-B-09A, 17 WORK ZONE FIELD BLANK (BS823033)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-C-12102010 Micro: 148229-15 12/10/2010 RZ-C-17, 09A, 10A, 22A WORK ZONES (BS826261)	Time 640 Rate 2 Liters 1280.0	Fibers 6.5 Fields 100 F/mm ² 8.3	0.002	LCL 0.001 LOD 0.002 CV	UCL 0.004 LOQ 0.030 0.28

Technical Supervisor: _____

Frank Raviola, M.S.

12/20/2010
Date Reported

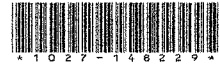
Analyst: _____

KS

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 10176B. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/15/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm². Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm². The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and lowest expected concentrations (in fibers/cc) for a given fiber count, based on the reported concentration. Intra-laboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + [1.645 x CV x Standard]). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute. 8 Hour TWA: calculated time weighted average concentration (in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours; zero concentration is assumed for remaining time if no information is given. Micro Analytical Laboratories, Inc. assumes no responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Micro Analytical Laboratories, Inc. shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm². N/A = not applicable.

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PROJECT:
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JOB NO. 2027.07

Micro Log In **148229**
Total Samples 30
Date Sampled 12/14/2010
Date Received 12/20/2010
Date Analyzed 12/20/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-2-12102010 Micro: 148229-16 12/10/2010 RZ-C-17, 09A, 10A, 22A WORK ZONE FIELD BLANK (BS826256)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-B-12132010 Micro: 148229-17 KS 12/13/2010 RZB-14 WORK ZONE (BS823044)	Time 480 Rate 2 Liters 960.0	Fibers 44.5 Fields 100 F/mm ² 56.7	0.023	LCL LOD CV	UCL 0.032 0.040 0.20
Client: FB-1-RZB-12132010 Micro: 148229-18 12/13/2010 RZB-14 WORK ZONE FIELD BLANK (BS826252)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-B-12152010 Micro: 148229-19 12/15/2010 RZ-B WORK ZONE (BS826492)	Time 562 Rate 2 Liters 1124.0	Fibers 51.5 Fields 100 F/mm ² 65.6	0.022	LCL LOD CV	UCL 0.027 0.034 0.11
Client: FB-RZB-12152010 Micro: 148229-20 12/15/2010 RZ-B WORK ZONE FIELD BLANK (BS826349)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20

Technical Supervisor: _____

Frank Raviola, M.S.

12/20/2010
Date Reported

Analyst: _____

KS

AIHA IHLP LABORATORY Accreditation / PAT ID No. 101768. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/16/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm². Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm². The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and lowest expected concentrations (in fibers/cc) for a given fiber count, based on the reported concentration. Intralaboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + [1.645 x CV x Standard]). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute. 8 Hour TWA: calculated time weighted average concentration (in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours; zero concentration is assumed for remaining time if no information is given. Micro Analytical Laboratories, Inc. assumes no responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Micro Analytical Laboratories, Inc. shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm². N/A = not applicable.

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Total Samples 30
Date Sampled 12/14/2010
Date Received 12/20/2010
Date Analyzed 12/20/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: RZ-C-39A.39-12162010B Micro: 148229-21 12/16/2010 RZ-C-39A, 39 WORK ZONE (BS826362)	Time 591 Rate 2 Liters 1182.0	Fibers 6 Fields 100 F/mm ² 7.6	0.002	LCL UCL 0.001 0.004 LOD LOQ 0.002 0.033 CV 0.28
Client: FB-1-12162010 Micro: 148229-22 12/16/2010 RZ-C-39A, 39 WORK ZONE FIELD BLANK (BS826488)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.20
Client: RZ-C-12132010B Micro: 148229-23 12/13/2010 RZ-C-22A, 10A, 09A, 17 WORK ZONE (BS823039)	Time 614 Rate 2 Liters 1228.0	Fibers 10.5 Fields 100 F/mm ² 13.4	0.004	LCL UCL 0.002 0.006 LOD LOQ 0.002 0.031 CV 0.28
Client: FB-1-12132010B Micro: 148229-24 12/13/2010 RZ-B-09A, 17 WORK ZONE FIELD BLANK (BS823040)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.20
Client: RZ-C-12142010B Micro: 148229-25 12/14/2010 RZ-C-17, 09A, 10A, 22A WORK ZONES (BS826312)	Time 720 Rate 2 Liters 1440.0	Fibers 8 Fields 100 F/mm ² 10.2	0.003	LCL UCL 0.001 0.004 LOD LOQ 0.002 0.027 CV 0.28

Technical Supervisor: Frank Raviola, M.S. 12/20/2010 Date Reported Analyst: KS

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Date Received 12/20/2010
Date Analyzed 12/20/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-1-12142010B Micro: 148229-26 12/14/2010 RZ-C-17, 09A, 10A, 22A WORK ZONE FIELD BLANK (BS826343)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-C-12152010B Micro: 148229-27 KS 12/15/2010 RZ-C-17, 09A WORK ZONE (BS826346)	Time 598 Rate 2 Liters 1196.0	Fibers 20.5 Fields 100 F/mm ² 26.1	0.008	LCL LOD CV	UCL 0.012 LOQ 0.032 0.20
Client: FB-1-12152010B Micro: 148229-28 12/15/2010 RZ-C-17, 09A WORK ZONE FIELD BLANK (BS826337)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20
Client: RZ-C-12162010B Micro: 148229-29 12/16/2010 RZ-C-17, 22A WORK ZONE (BS826412)	Time 583 Rate 2 Liters 1166.0	Fibers 17.5 Fields 100 F/mm ² 22.3	0.007	LCL LOD CV	UCL 0.011 LOQ 0.033 0.28
Client: FB-1-12162010B Micro: 148229-30 12/16/2010 RZ-C-17, 22A WORK ZONE FIELD BLANK (BS826327)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.20

Technical Supervisor: Frank Raviola, M.S. 12/20/2010
Date Reported

Analyst: KS

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