

Client ID #
2027.07

MICRO ANALYTICAL LABORATORIES, INC.

Log in #

143141

Name / Client / Address:

5900 Hollis St., Suite M, Emeryville, CA 94608

(510) 653-0824 - (510) 653-1361 - FAX

Northgate Environmental

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

Project
Tronox LLC

Asbestos (TEM) NIOSH 7400

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

8

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
	FB-1-08112010	Upwind Station Field Blank	08/11/2010	: : 0	0.0	0.00	0.80
	FB-2-08112010	Downwind Station Field Blank	08/11/2010	: : 0	0.0	0.00	0.80
	UW-08112010	Upwind Station	08/11/2010	08 : 53 19 : 15 622	2.0	1,244.00	0.80
	DW-08112010	Downwind Station	08/11/2010	11 : 45 19 : 55 490	2.0	980.00	0.80
	FB-1-08122010	Upwind Station Field Blank	08/12/2010	: : 0	0.0	0.00	0.80
	FB-2-08122010	Downwind Station Field Blank	08/12/2010	: : 0	0.0	0.00	0.80
	UW-08122010	Upwind Station	08/12/2010	10 : 32 19 : 23 531	2.0	1,062.00	0.80
	DW-08122010	Downwind Station	08/12/2010	11 : 00 19 : 47 527	2.0	1,054.00	0.80
				: : 0		0.00	
				: : 0		0.00	

Instructions / Comments:

Fax

E-mail To: ted.splitter@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).

David T. Behnken

Sampler's Signature / Name

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

David T. Behnken

Drop Box / Courier

Relinquished By

Date / Time

Received By

Date / Time

Relinquished By

Date/Time

Received By

Date / Time

CLEAR FORM

SAVE FORM

E-MAIL

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 # 143141

Name / Client / Address:
Northgate Environmental

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

Project
Tronox LLC

Asbestos (TEM) NIOSH 7400

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 8 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
1	FB-1-08112010	Upwind Station Field Blank	08/11/2010	: : :	0.0	0.00	0.80
2	FB-2-08112010	Downwind Station Field Blank	08/11/2010	: : 0	0.0	0.00	0.80
3	UW-08112010	Upwind Station	08/11/2010	08 : 53 19 : 15 622	2.0	1,244.00	0.80
4	DW-08112010	Downwind Station	08/11/2010	11 : 45 19 : 55 490	2.0	980.00	0.80
5	FB-1-08122010	Upwind Station Field Blank	08/12/2010	: : 0	0.0	0.00	0.80
6	FB-2-08122010	Downwind Station Field Blank	08/12/2010	: : 0	0.0	0.00	0.80
7	UW-08122010	Upwind Station	08/12/2010	10 : 32 19 : 23 531	2.0	1,062.00	0.80
8	DW-08122010	Downwind Station	08/12/2010	11 : 00 19 : 47 527	2.0	1,054.00	0.80
				: : 0		0.00	
				: : 0		0.00	

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

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Sampler's Signature / Name *David T. Behnken*

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

David T. Behnken

Drop Box / Courier

Relinquished By

Date / Time

Received By *[Signature]*

Date / Time 8/16/10 09:58

Relinquished By

Date/Time

Received By

Date / Time

CLEAR FORM

SAVE FORM

E-MAIL

Client ID #
2027.07

Name / Client / Address:

Northgate Environmental

300 Frank H. Ogawa Plaza, Suite
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MICRO ANALYTICAL LABORATORIES, INC.

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Relinquished By: David T. Behnken

Drop Box / Courier

Date / Time

Grid for Date/Time

Received By

Date / Time

8/16/10 DAB

Relinquished By

Date/Time

Grid for 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 **143141**
Total Samples 8
Date Sampled 08/11/2010
Date Received 08/16/2010
Date Analyzed 08/16/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-1-08112010 Micro: 143141-01 UPWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL	UCL
				LOD	LOQ
				CV	1.15
Client: FB-2-08112010 Micro: 143141-02 DOWNWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL	UCL
				LOD	LOQ
				CV	1.15
Client: UW-08112010 Micro: 143141-03 KS UPWIND STATION	Time 622 Rate 2 Liters 1244.0	Fibers 4 Fields 100 F/mm ² < 7.0	< 0.002	LCL	UCL
				0.000	0.007
				LOD	LOQ
				0.002	0.031
				CV	1.15
Client: DW-08112010 Micro: 143141-04 DOWNWIND STATION	Time 490 Rate 2 Liters 980.0	Fibers 1 Fields 100 F/mm ² < 7.0	< 0.003	LCL	UCL
				0.000	0.009
				LOD	LOQ
				0.003	0.039
				CV	1.15
Client: FB-1-08122010 Micro: 143141-05 UPWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL	UCL
				LOD	LOQ
				CV	1.15

Technical Supervisor: _____

Frank Raviola, M.S.

8/16/2010
Date Reported

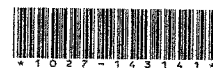
Analyst: _____

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



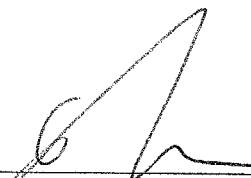
1027
Northgate Environmental Management
300 Frank H. Ogawa Plaza
Suite 510
Oakland, CA 94612

PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **143141**
Total Samples 8
Date Sampled 08/11/2010
Date Received 08/16/2010
Date Analyzed 08/16/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-2-08122010 Micro: 143141-06 DOWNWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.15
Client: UW-08122010 Micro: 143141-07 UPWIND STATION	Time 531 Rate 2 Liters 1062.0	Fibers 2 Fields 100 F/mm ² < 7.0	< 0.003	LCL LOD CV	UCL 0.008 0.036 1.15
Client: DW-08122010 Micro: 143141-08 DOWNWIND STATION	Time 527 Rate 2 Liters 1054.0	Fibers 5 Fields 100 F/mm ² < 7.0	< 0.003	LCL LOD CV	UCL 0.008 0.037 1.15

Technical Supervisor: _____


Frank Raviola, M.S.

8/16/2010
Date Reported

Analyst: _____

KS

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Date Received 08/16/2010
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Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: FB-1-08112010 Micro: 143141-01 UPWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.15
Client: FB-2-08112010 Micro: 143141-02 DOWNWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.15
Client: UW-08112010 Micro: 143141-03 KS UPWIND STATION	Time 622 Rate 2 Liters 1244.0	Fibers 4 Fields 100 F/mm ² < 7.0	< 0.002	LCL UCL 0.000 0.007 LOD LOQ 0.002 0.031 CV 1.15
Client: DW-08112010 Micro: 143141-04 DOWNWIND STATION	Time 490 Rate 2 Liters 980.0	Fibers 1 Fields 100 F/mm ² < 7.0	< 0.003	LCL UCL 0.000 0.009 LOD LOQ 0.003 0.039 CV 1.15
Client: FB-1-08122010 Micro: 143141-05 UPWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.15

Technical Supervisor: Frank Raviola, M.S. Date Reported: 8/16/2010 Analyst: KS

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 101769. 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.

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PHASE CONTRAST MICROSCOPY



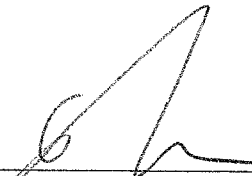
1027
Northgate Environmental Management
300 Frank H. Ogawa Plaza
Suite 510
Oakland, CA 94612

PROJECT:
TRONOX LLC
JOB NO. 2027.07

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Total Samples 8
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Date Received 08/16/2010
Date Analyzed 08/16/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-2-08122010 Micro: 143141-06 DOWNWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.15
Client: UW-08122010 Micro: 143141-07 UPWIND STATION	Time 531 Rate 2 Liters 1062.0	Fibers 2 Fields 100 F/mm ² < 7.0	< 0.003	LCL LOD CV	UCL 0.008 0.036 1.15
Client: DW-08122010 Micro: 143141-08 DOWNWIND STATION	Time 527 Rate 2 Liters 1054.0	Fibers 5 Fields 100 F/mm ² < 7.0	< 0.003	LCL LOD CV	UCL 0.008 0.037 1.15

Technical Supervisor: _____


Frank Raviola, M.S.

8/16/2010
Date Reported

Analyst: _____ **KS**

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Client: FB-2-08112010 Micro: 143141-02 DOWNWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.15
Client: UW-08112010 Micro: 143141-03 KS UPWIND STATION	Time 622 Rate 2 Liters 1244.0	Fibers 4 Fields 100 F/mm ² < 7.0	< 0.002	LCL LOD CV	UCL 0.007 LOQ 0.031 1.15
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Technical Supervisor: _____

Frank Ravola, M.S.

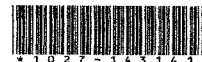
8/16/2010
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1027
 Northgate Environmental Management
 300 Frank H. Ogawa Plaza
 Suite 510
 Oakland, CA 94612

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Client: UW-08122010 Micro: 143141-07 UPWIND STATION	Time 531 Rate 2 Liters 1062.0	Fibers 2 Fields 100 F/mm ² < 7.0	< 0.003	LCL UCL 0.000 0.008 LOD LOQ 0.003 0.036 CV 1.15
Client: DW-08122010 Micro: 143141-08 DOWNWIND STATION	Time 527 Rate 2 Liters 1054.0	Fibers 5 Fields 100 F/mm ² < 7.0	< 0.003	LCL UCL 0.000 0.008 LOD LOQ 0.003 0.037 CV 1.15

Technical Supervisor: _____


 Frank Raviola, M.S.

8/16/2010
 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, 8/15/1994). 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.