

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 #

46369

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**

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
	FB-13-10222010B	Upwind Station Field Blank (BM860625)	10/22/2010	: : 0	0.0	0.00	0.80
	UW-10222010B	Upwind Station (BM860881)	10/22/2010	05:35   16:25 650	2.0	1,300.00	0.80
	FB-14-10222010B	Downwind Station Field Blank (BM860606)	10/22/2010	: : 0	0.0	0.00	0.80
	DW-10222010B	Downwind Station (BM860598)	10/22/2010	05:01   16:03 662	2.0	1,324.00	0.80
	FB-16-10252010B	Downwind Station Field Blank (BM860716)	10/25/2010	: : 0	0.0	0.00	
	DW-10252010B	Downwind Station (BM860678)	10/25/2010	04:38   20:38 960	2.0	1,920.00	
	FB-15-10252010B	Upwind Station Field Blank (BM860658)	10/25/2010	: : 0		0.00	
	UW-10252010B	Upwind Station (BM860651)	10/25/2010	05:02   16:54 712	2.0	1,424.00	
	FB-18-10272010B	Downwind Station Field Blank (BM860663)	10/27/2010	: : 0		0.00	
	DW-10272010B	Downwind Station (BM860626)	10/27/2010	04:44   17:40 776	2.0	1,552.00	

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).

Ronda S. Bailey

Sampler's Signature / Name

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

Relinquished By

Date / Time

Drop Box / Courier

Received By

Date / Time

Relinquished By

Date/Time

Received By

Received By

Date / Time

Client ID #  
2027.07

**MICRO ANALYTICAL LABORATORIES, INC.**

Log in #

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

Turn-Around Time

2

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
	UW-10272010B	Upwind Station (BM860637)	10/27/2010	5:15   17:20 725	2.0	1,450.00	0.80
	FB-17-10272010B	Upwind Station Field Blank (BM860633)	10/27/2010	:   : 0	0.0	0.00	0.80
				:   : 0	2.0	0.00	0.80
				:   : 0	2.0	0.00	0.80
				:   : 0	0.0	0.00	
				:   : 0	0.0	0.00	
				:   : 0		0.00	
				:   : 0		0.00	
				:   : 0		0.00	
				:   : 0		0.00	

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).

Ronda S. Bailey *Ronda S. Bailey* 10/29/10 1700  
Sampler's Signature / Name

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

*David Behnken* 10/29/10 1700 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:  
Northgate Environmental  
300 Frank H. Ogawa Plaza, Suite  
510  
Oakland, CA 94612  
  
Tel. (510) 839-0688  
Fax (510) 839-4350  
E-mail ted.splitter@ngem.com

**MICRO ANALYTICAL LABORATORIES, INC.**

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

Log in #

146369

**Project**  
Tronox LLC

**Asbestos (TEM)** NIOSH 7400

**Asbestos**

**Lead Only**

**Metals (Specify)**

**Mold, Non-Viable**

**Other (Specify)**

**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
01	FB-13-10222010B	Upwind Station Field Blank (BM860625)	10/22/2010	: : 0	0.0	0.00	0.80
02	UW-10222010B	Upwind Station (BM860881)	10/22/2010	05:35   16:25 650	2.0	1,300.00	0.80
03	FB-14-10222010B	Downwind Station Field Blank (BM860606)	10/22/2010	: : 0	0.0	0.00	0.80
04	DW-10222010B	Downwind Station (BM860598)	10/22/2010	05:01   16:03 662	2.0	1,324.00	0.80
05	FB-16-10252010B	Downwind Station Field Blank (BM860716)	10/25/2010	: : 0	0.0	0.00	
06	DW-10252010B	Downwind Station (BM860678)	10/25/2010	04:38   20:38 960	2.0	1,920.00	
07	FB-15-10252010B	Upwind Station Field Blank (BM860658)	10/25/2010	: : 0		0.00	
08	UW-10252010B	Upwind Station (BM860651)	10/25/2010	05:02   16:54 712	2.0	1,424.00	
09	FB-18-10272010B	Downwind Station Field Blank (BM860663)	10/27/2010	: : 0		0.00	
10	DW-10272010B	Downwind Station (BM860626)	10/27/2010	04:44   17:40 776	2.0	1,552.00	

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).

Ronda S. Bailey  
Sampler's Signature / Name

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

Relinquished By: *Ronda S. Bailey*    Date/Time: 10/28/10  
Drop Box / Courier: *10/11/10 9:47*  
Received By: \_\_\_\_\_    Date/Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_    Date/Time: \_\_\_\_\_  
Received By: \_\_\_\_\_    Date/Time: \_\_\_\_\_

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

**MICRO ANALYTICAL LABORATORIES, INC.**

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

Log in # 140309

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**      **Turn-Around Time**  
2                                      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
11	UW-10272010B	Upwind Station (BM860637)	10/27/2010	5:15   17:20 725	2.0	1,450.00	0.80
12	FB-17-10272010B	Upwind Station Field Blank (BM860633)	10/27/2010	:   : 0	0.0	0.00	0.80
				:   : 0	2.0	0.00	0.80
				:   : 0	2.0	0.00	0.80
				:   : 0	0.0	0.00	
				:   : 0	0.0	0.00	
				:   : 0		0.00	
				:   : 0		0.00	
				:   : 0		0.00	
				:   : 0		0.00	
				:   : 0		0.00	

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).

Ronda S. Bailey *[Signature]* 10/29/10 1700

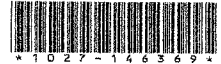
sampler's Signature / Name      Note to Lab: If any samples are not acceptable, record reasons for rejection.

Relinquished By *[Signature]* Date / Time     Received By *[Signature]* Date / Time 11-1-10 9:43

Relinquished By      Date/Time     Received By      Date / Time

# MICRO ANALYTICAL LABORATORIES, INC.

## PHASE CONTRAST MICROSCOPY

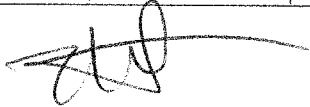


1027  
 Northgate Environmental Management  
 300 Frank H. Ogawa Plaza  
 Suite 510  
 Oakland, CA 94612

PROJECT:  
 TRONOX LLC  
 JOB NO. 2027.07

Micro Log In **146369**  
 Total Samples 12  
 Date Sampled 10/22/2010  
 Date Received 11/01/2010  
 Date Analyzed 11/01/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: <b>FB-13-10222010B</b> Micro: 146369-01 10/22/2010 UPWIND STATION FIELD BLANK (BM860625)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL	UCL
				LOD	LOQ
				CV	0.50
Client: <b>UW-10222010B</b> Micro: 146369-02 10/22/2010 UPWIND STATION (BM860881)	Time 650 Rate 2 Liters 1300.0	Fibers 1 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.002</b>	LCL	UCL
				0.000	0.004
				LOD	LOQ
				0.002	0.030
				CV	0.50
Client: <b>FB-10222010B</b> Micro: 146369-03 10/22/2010 DOWNWIND STATION FIELD BLANK (BM860606)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL	UCL
				LOD	LOQ
				CV	0.50
Client: <b>DW-10222010B</b> Micro: 146369-04 10/22/2010 DOWNWIND STATION (BM860598)	Time 662 Rate 2 Liters 1324.0	Fibers 2.5 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.002</b>	LCL	UCL
				0.000	0.004
				LOD	LOQ
				0.002	0.029
				CV	0.50
Client: <b>FB-16-10252010B</b> Micro: 146369-05 10/25/2010 DOWNWIND STATION FIELD BLANK (BM860716)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL	UCL
				LOD	LOQ
				CV	0.50

Technical Supervisor:  11/1/2010 Analyst: LM  
 Frank Raviola, M.S. Date Reported

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, 9/15/1994). 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 **146369**  
Total Samples 12  
Date Sampled 10/22/2010  
Date Received 11/01/2010  
Date Analyzed 11/01/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: <b>DW-10252010B</b> Micro: 146369-06 10/25/2010 <b>DOWNWIND STATION (BM860678)</b>	Time 960 Rate 2 Liters 1920.0	Fibers 2.5 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.001</b>	LCL UCL 0.000 0.003 LOD LOQ 0.001 0.020 CV 0.50
Client: <b>FB-10252010B</b> Micro: 146369-07 10/25/2010 <b>UPWIND STATION FIELD BLANK (BM860658)</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.50
Client: <b>UW-10252010B</b> Micro: 146369-08 10/25/2010 <b>UPWIND STATION (BM860651)</b>	Time 712 Rate 2 Liters 1424.0	Fibers 4.5 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.002</b>	LCL UCL 0.000 0.004 LOD LOQ 0.002 0.027 CV 0.50
Client: <b>FB-18-10272010B</b> Micro: 146369-09 10/27/2010 <b>DOWNWIND STATION FIELD BLANK (BM860663)</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.50
Client: <b>DW-10272010B</b> Micro: 146369-10 10/27/2010 <b>DOWNWIND STATION (BM860626)</b>	Time 776 Rate 2 Liters 1552.0	Fibers 4 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.002</b>	LCL UCL 0.000 0.003 LOD LOQ 0.002 0.025 CV 0.50

Technical Supervisor: \_\_\_\_\_

*for* Frank Raviola, M.S.

11/1/2010  
Date Reported

Analyst: \_\_\_\_\_ LM

NIHA 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/mm<sup>2</sup>. Limits of quantification for optimal precision and accuracy are 100 (LOD) and 1300 fibers/mm<sup>2</sup>. 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. All volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm<sup>2</sup>. 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 **146369**  
 Total Samples 12  
 Date Sampled 10/22/2010  
 Date Received 11/01/2010  
 Date Analyzed 11/01/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: <b>UW-10272010B</b> Micro: 146369-11      10/27/2010 UPWIND STATION (BM860637)	Time 725 Rate 2 Liters 1450.0	Fibers 4 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.002</b>	LCL UCL 0.000 0.004 LOD LOQ 0.002 0.027 CV 0.50
Client: <b>FB-17-10272010B</b> Micro: 146369-12      10/27/2010 UPWIND STATION FIELD BLANK (BM860633)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.50

Technical Supervisor: \_\_\_\_\_

*[Signature]*  
 Frank Raviola, M.S.

11/1/2010  
 Date Reported

Analyst: LM

AIHA IHLAP 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, 8/16/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm<sup>2</sup>. Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm<sup>2</sup>. 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 + [1.845 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, 85% 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 mm<sup>2</sup>. N/A = not applicable.