



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

**Project**  
 Tronox LLC

**Asbestos (TEM)** NIOSH 7400  
**Asbestos**  
**Lead Only**  
**Metals (Specify)**  
**Mold, Non-Viable**  
**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
	11202010-RZ-D-NW	RZ-D-NW Work Zone (BS823171)	11/20/2010	05:21   14:30 549	2.0	1,098.00	0.80
	FB-1-11202010	RZ-D-NW Work Zone Field Blank (BS823243)	11/20/2010	:   : 0	0.0	0.00	0.80
	RZ-C-09A.10A-11232010	Remediation Zone C 9A -10A (BS823172)	11/23/2010	08:17   16:18 481	2.0	962.00	0.80
	FB-1-11232010	Remediation Zone C 9A -10A Field Blank (BS823079)	11/23/2010	:   : 0	0.0	0.00	0.80
	UW-11232010B	Upwind Station (BS823081)	11/23/2010	04:12   17:56 824	2.0	1,648.00	0.80
	FB-41-11232010	Upwind Station Field Blank (BS823082)	11/23/2010	:   : 0	0.0	0.00	0.80
	DW-11232010	Downwind Station (BS823102)	11/23/2010	4:45   18:19 814	2.0	1,628.00	0.80
	FB-42-11232010	Downwind Station Field Blank (BS823193)	11/23/2010	:   : 0	0.0	0.00	
	RZ-B-13-11292010	Remediation Zone B 13 (BS823103)	11/29/2010	09:37   16:03 386	2.0	772.00	
	FB-1-11292010	Remediation Zone B-13 Field Blank (BS823189)	11/29/2010	:   : 0	0.0	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).

Sampler's Signature / Name: Ronda S. Bailey *Ronda S. Bailey 12/1/2010 12:00* Note to Lab: If any samples are not acceptable, record reasons for rejection.

Relinquished By: Ronda S. Bailey Date/Time: 12/1/2010 12:00 Drop Box / Courier: [ ] Received By: [ ] Date / Time: [ ]

Relinquished By: [ ] Date/Time: [ ] Received By: [ ] Date / Time: [ ]

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**MICRO ANALYTICAL LABORATORIES, INC.**

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Log in # 147528

**Project**  
 Tronox LLC  
 Job No. 2027.07

**Asbestos (TEM)** NIOSH 7400  
**Asbestos**  
**Lead Only**  
**Metals (Specify)**  
**Mold, Non-Viable**  
**Other (Specify)**

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

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6	FB-41-11232010	Upwind Station Field Blank (BS823082)	11/23/2010	:   : 0	0.0	0.00	0.80
7	DW-11232010	Downwind Station (BS823102)	11/23/2010	4:45   18:19 814	2.0	1,628.00	0.80
8	FB-42-11232010	Downwind Station Field Blank (BS823193)	11/23/2010	:   : 0	0.0	0.00	
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Ronda S. Bailey *Ronda S. Bailey 12/1/2010 12:00*  
 Sampler's Signature / Name  
 Note to Lab: If any samples are not acceptable, record reasons for rejection.  
 Ronda S. Bailey *Ronda S. Bailey 12/1/2010 12:00* Drop Box / Courier *12:10* 9:45  
 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

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Project  
**Tronox LLC**

Asbestos (TEM) NIOSH 7400

Asbestos \_\_\_\_\_

Lead Only \_\_\_\_\_

Metals (Specify) \_\_\_\_\_

Mold, Non-Viable \_\_\_\_\_

Other (Specify) \_\_\_\_\_

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Ronda S. Bailey *Ronda S. Bailey* 12/1/2010 12:00 Drop Box / Courier *12210* 9:45  
Relinquished By Date / Time Received By Date / Time

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**Lead Only** \_\_\_\_\_  
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**Mold, Non-Viable** \_\_\_\_\_  
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Relinquished By: Ronda S. Bailey Date / Time: 12/1/2010 12:00  
Drop Box / Courier: Hand Received By: Hand Date / Time: 12:10 9:45

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

# MICRO ANALYTICAL LABORATORIES, INC.

## PHASE CONTRAST MICROSCOPY

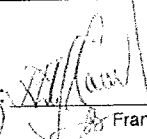


1027  
Northgate Environmental Management  
300 Frank H. Ogawa Plaza  
Suite 510  
Oakland, CA 94612

PROJECT:  
TRONOX LLC  
JOB NO. 2027.07

Micro Log In **147528**  
Total Samples 10  
Date Sampled 11/20/2010  
Date Received 12/02/2010  
Date Analyzed 12/02/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: <b>11202010-RZ-D-NW</b> Micro: 147528-01 LM 11/20/2010 RZ-D-NW WORK ZONE (BS823171)	Time 549 Rate 2 Liters 1098.0	Fibers 8 Fields 100 F/mm <sup>2</sup> 10.2	<b>0.004</b>	LCL 0.002 LOD 0.002 CV 0.26	UCL 0.005 LOQ 0.035
Client: <b>FB-1-11202010</b> Micro: 147528-02 11/20/2010 RZ-D-NW WORK ZONE FIELD BLANK (BS823243)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL LOD CV	UCL LOQ 0.52
Client: <b>RZ-C-09A.10A-11232010</b> Micro: 147528-03 11/23/2010 REMEDATION ZONE C 9A 10A (BS823172)	Time 481 Rate 2 Liters 962.0	Fibers 2 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.003</b>	LCL 0.000 LOD 0.003 CV 0.52	UCL 0.006 LOQ 0.040
Client: <b>FB-1-11232010</b> Micro: 147528-04 11/23/2010 REMEDATION ZONE C 9A 10A FIELD BLANK (BS823079)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL LOD CV	UCL LOQ 0.52
Client: <b>UW-11232010B</b> Micro: 147528-05 11/23/2010 UPWIND STATION (BS823081)	Time 824 Rate 2 Liters 1648.0	Fibers 6.5 Fields 100 F/mm <sup>2</sup> 8.3	<b>0.002</b>	LCL 0.001 LOD 0.002 CV 0.26	UCL 0.003 LOQ 0.023

Technical Supervisor: 

Frank Raviola, M.S.

12/2/2010  
Date Reported

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

LM

AHA 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/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. Intra-laboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for comparison 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 variability of results is limited to fibers per mm<sup>2</sup>. N/A = not applicable.

Client ID #  
2027.07

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Log in # 147528

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**Asbestos (TEM)** NIOSH 7400

**Asbestos**

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**Metals (Specify)**

**Mold, Non-Viable**

**Other (Specify)**

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Job No. 2027.07

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10                              3-5 DAYS

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

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Drop Box / Courier      *12210*      *9:45*

Relinquished By      Date / Time      Received By      Date / Time

Relinquished By      Date/Time      Received By      Date / Time

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Date Received 12/02/2010  
Date Analyzed 12/02/2010

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Client: <b>FB-1-11202010</b> Micro: 147528-02 11/20/2010 <b>RZ-D-NW WORK ZONE FIELD BLANK (BS823243)</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>RZ-C-09A.10A-11232010</b> Micro: 147528-03 11/23/2010 <b>REMEDIATION ZONE C 9A 10A (BS823172)</b>	Time 481 Rate 2 Liters 962.0	Fibers 2 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.003</b>	LCL UCL 0.000 0.006 LOD LOQ 0.003 0.040 CV 0.52
Client: <b>FB-1-11232010</b> Micro: 147528-04 11/23/2010 <b>REMEDIATION ZONE C 9A 10A FIELD BLANK (BS823079)</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>UW-11232010B</b> Micro: 147528-05 11/23/2010 <b>UPWIND STATION (BS823081)</b>	Time 824 Rate 2 Liters 1648.0	Fibers 6.5 Fields 100 F/mm <sup>2</sup> 8.3	<b>0.002</b>	LCL UCL 0.001 0.003 LOD LOQ 0.002 0.023 CV 0.26

Technical Supervisor:  Frank Raviola, M.S.

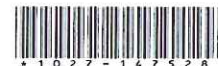
12/2/2010  
Date Reported

Analyst: LM

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/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 (n 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 (n 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 mm<sup>2</sup>. N/A = not applicable.

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Date Received 12/02/2010  
Date Analyzed 12/02/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: <b>FB-41-11232010</b> Micro: 147528-06 11/23/2010 <b>UPWIND STATION</b> <b>FIELD BLANK (BS823082)</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>DW-11232010</b> Micro: 147528-07 11/23/2010 <b>DOWNWIND STATION</b> <b>(BS823102)</b>	Time 814 Rate 2 Liters 1628.0	Fibers 6 Fields 100 F/mm <sup>2</sup> 7.6	<b>0.002</b>	LCL UCL 0.001 0.003 LOD LOQ 0.002 0.024 CV 0.26
Client: <b>FB-42-11232010</b> Micro: 147528-08 11/23/2010 <b>DOWNWIND STATION</b> <b>FIELD BLANK (BS823193)</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>RZ-B-13-11292010</b> Micro: 147528-09 LM 11/29/2010 <b>REMEDICATION ZONE B-13</b> <b>(BS823103)</b>	Time 386 Rate 2 Liters 772.0	Fibers 4.5 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.003</b>	LCL UCL 0.000 0.007 LOD LOQ 0.003 0.050 CV 0.52
Client: <b>RB-1-11292010</b> Micro: 147528-10 11/29/2010 <b>REMEDICATION ZONE B-13</b> <b>FIELD BLANK (BS823189)</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52

Technical Supervisor: 

Frank Raviola, M.S.

12/2/2010  
Date Reported

Analyst: LM

AHA 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 (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 (n 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 (n 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 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 **147528**  
 Total Samples 10  
 Date Sampled 11/20/2010  
 Date Received 12/02/2010  
 Date Analyzed 12/02/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
				LCL	UCL
Client: <b>FB-41-11232010</b> Micro: 147528-06 11/23/2010 UPWIND STATION FIELD BLANK (BS823082)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL	UCL
				LOD	LOQ
				CV	0.52
Client: <b>DW-11232010</b> Micro: 147528-07 11/23/2010 DOWNWIND STATION (BS823102)	Time 814 Rate 2 Liters 1628.0	Fibers 6 Fields 100 F/mm <sup>2</sup> 7.6	<b>0.002</b>	LCL	UCL
				0.001	0.003
				LOD	LOQ
				0.002	0.024
				CV	0.26
Client: <b>FB-42-11232010</b> Micro: 147528-08 11/23/2010 DOWNWIND STATION FIELD BLANK (BS823193)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL	UCL
				LOD	LOQ
				CV	0.52
Client: <b>RZ-B-13-11292010</b> Micro: 147528-09 LM 11/29/2010 REMEDIATION ZONE B-13 (BS823103)	Time 386 Rate 2 Liters 772.0	Fibers 4.5 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.003</b>	LCL	UCL
				0.000	0.007
				LOD	LOQ
				0.003	0.050
				CV	0.52
Client: <b>RB-1-11292010</b> Micro: 147528-10 11/29/2010 REMEDIATION ZONE B-13 FIELD BLANK (BS823189)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL	UCL
				LOD	LOQ
				CV	0.52

Technical Supervisor: Frank Raviola 12/2/2010 Analyst: LM  
 Date Reported

AIHA IHLP LABORATORY Accredited on / 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/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 (n 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 (n 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. 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.

# MICRO ANALYTICAL LABORATORIES, INC.

## PHASE CONTRAST MICROSCOPY

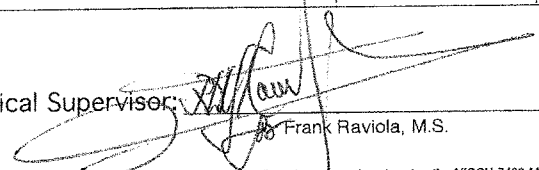


1027  
Northgate Environmental Management  
300 Frank H. Ogawa Plaza  
Suite 510  
Oakland, CA 94612

PROJECT:  
TRONOX LLC  
JOB NO. 2027.07

Micro Log In **147528**  
Total Samples 10  
Date Sampled 11/20/2010  
Date Received 12/02/2010  
Date Analyzed 12/02/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: <b>11202010-RZ-D-NW</b> Micro: 147528-01 LM 11/20/2010 RZ-D-NW WORK ZONE (BS823171)	Time 549 Rate 2 Liters 1098.0	Fibers 8 Fields 100 F/mm <sup>2</sup> 10.2	<b>0.004</b>	LCL 0.002 UCL 0.005 LOD 0.002 LOQ 0.035 CV 0.26
Client: <b>FB-1-11202010</b> Micro: 147528-02 11/20/2010 RZ-D-NW WORK ZONE FIELD BLANK (BS823243)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>RZ-C-09A.10A-11232010</b> Micro: 147528-03 11/23/2010 REMEDATION ZONE C 9A 10A (BS823172)	Time 481 Rate 2 Liters 962.0	Fibers 2 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.003</b>	LCL 0.000 UCL 0.006 LOD 0.003 LOQ 0.040 CV 0.52
Client: <b>FB-1-11232010</b> Micro: 147528-04 11/23/2010 REMEDATION ZONE C 9A 10A FIELD BLANK (BS823079)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>UW-11232010B</b> Micro: 147528-05 11/23/2010 UPWIND STATION (BS823081)	Time 824 Rate 2 Liters 1648.0	Fibers 6.5 Fields 100 F/mm <sup>2</sup> 8.3	<b>0.002</b>	LCL 0.001 UCL 0.003 LOD 0.002 LOQ 0.023 CV 0.26

Technical Supervisor: 

Frank Raviola, M.S.

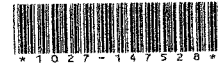
12/2/2010  
Date Reported

Analyst: LM

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/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 + [1.645 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 mm<sup>2</sup>. N/A = not applicable.

# MICRO ANALYTICAL LABORATORIES, INC.

## PHASE CONTRAST MICROSCOPY

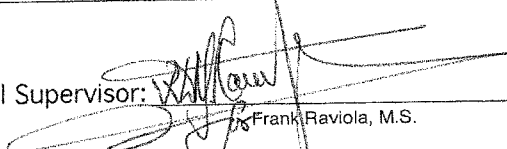


1027  
 Northgate Environmental Management  
 300 Frank H. Ogawa Plaza  
 Suite 510  
 Oakland, CA 94612

PROJECT:  
 TRONOX LLC  
 JOB NO. 2027.07

Micro Log In **147528**  
 Total Samples 10  
 Date Sampled 11/20/2010  
 Date Received 12/02/2010  
 Date Analyzed 12/02/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: <b>FB-41-11232010</b> Micro: 147528-06 11/23/2010 UPWIND STATION FIELD BLANK (BS823082)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>DW-11232010</b> Micro: 147528-07 11/23/2010 DOWNWIND STATION (BS823102)	Time 814 Rate 2 Liters 1628.0	Fibers 6 Fields 100 F/mm <sup>2</sup> 7.6	<b>0.002</b>	LCL UCL 0.001 0.003 LOD LOQ 0.002 0.024 CV 0.26
Client: <b>FB-42-11232010</b> Micro: 147528-08 11/23/2010 DOWNWIND STATION FIELD BLANK (BS823193)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52
Client: <b>RZ-B-13-11292010</b> Micro: 147528-09 LM 11/29/2010 REMEDIATION ZONE B-13 (BS823103)	Time 386 Rate 2 Liters 772.0	Fibers 4.5 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.003</b>	LCL UCL 0.000 0.007 LOD LOQ 0.003 0.050 CV 0.52
Client: <b>RB-1-11292010</b> Micro: 147528-10 11/29/2010 REMEDIATION ZONE B-13 FIELD BLANK (BS823189)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL UCL LOD LOQ CV 0.52

Technical Supervisor:  12/2/2010 Analyst: LM  
 Date Reported

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 101786. 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 (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. 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 mm<sup>2</sup>. N/A = not applicable.

# MICRO ANALYTICAL LABORATORIES, INC.

## PHASE CONTRAST MICROSCOPY

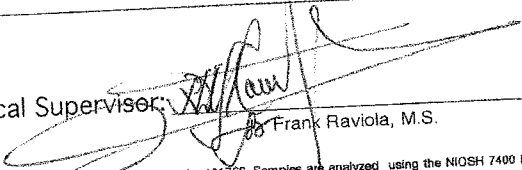


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 300 Frank H. Ogawa Plaza  
 Suite 510  
 Oakland, CA 94612

PROJECT:  
 TRONOX LLC  
 JOB NO. 2027.07

Micro Log In **147528**  
 Total Samples 10  
 Date Sampled 11/20/2010  
 Date Received 12/02/2010  
 Date Analyzed 12/02/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
				LCL	UCL
Client: 11202010-RZ-D-NW Micro: 147528-01 LM 11/20/2010 RZ-D-NW WORK ZONE (BS823171)	Time 549 Rate 2 Liters 1098.0	Fibers 8 Fields 100 F/mm <sup>2</sup> 10.2	<b>0.004</b>	0.002	0.005
Client: FB-1-11202010 Micro: 147528-02 11/20/2010 RZ-D-NW WORK ZONE FIELD BLANK (BS823243)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		0.002	0.035
Client: RZ-C-09A.10A-11232010 Micro: 147528-03 11/23/2010 REMEDIATION ZONE C 9A 10A (BS823172)	Time 481 Rate 2 Liters 962.0	Fibers 2 Fields 100 F/mm <sup>2</sup> < 7.0	<b>&lt; 0.003</b>	0.000	0.006
Client: FB-1-11232010 Micro: 147528-04 11/23/2010 REMEDIATION ZONE C 9A 10A FIELD BLANK (BS823079)	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		0.003	0.040
Client: UW-11232010B Micro: 147528-05 11/23/2010 UPWIND STATION (BS823081)	Time 824 Rate 2 Liters 1648.0	Fibers 6.5 Fields 100 F/mm <sup>2</sup> 8.3	<b>0.002</b>	0.001	0.003

Technical Supervisor:   
 Frank Raviola, M.S.

12/2/2010  
 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, 8/15/1994). 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 (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 + [1.645 x CV x Standard]). Concentrations are field blank-corrected. Time 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., 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.