CLEAR FORM SAVE FORM E-MAIL

COPY

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 # 143655

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

Project

Tronox LLC

Job No. 2027.07

Asbestos (TEM) NIOSH 7400

Asbestos

Lead Only

Metals (Specify)

Mold, Non-Viable

Other (Specify)

Number of Samples 4

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-1-08242010	Upwind Station Field Blank	08/24/2010	: : :	0.0	0.00	0.80
	FB-2-08242010	Downwind Station Field Blank	08/24/2010	: : 0	0.0	0.00	0.80
	UW-08242010	Upwind Station	08/24/2010	19:25 27:56 511	2.0	1,022.00	0.80
	DW-08242010	Downwind Station	08/24/2010	19:43 28:20 517	2.0	1,034.00	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

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

David T. Behnken

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

Drop Box / Courier

Relinquished By Date / Time ☐☐ ☐☐ Received By Date / Time

Relinquished By **Date/Time** ☐☐ ☐☐ Received By Date / Time

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a3	UW-08242010	Upwind Station	08/24/2010	19:25 27:56 511	2.0	1,022.00	0.80
a4	DW-08242010	Downwind Station	08/24/2010	19:43 28:20 517	2.0	1,034.00	0.80
				: : 0	0.0	0.00	
				: : 0	0.0	0.00	
				: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	
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Sampler's Signature / Name

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David T. Behnken — 8/25/10 5:15 — Drop Box / Courier — 9/26/10 9:46
Relinquished By — Date / Time — Received By — Date / Time

Relinquished By — **Date/Time** — Received By — Date / Time

Page 1 of 1

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Other (Specify)

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				: : 0	0.0	0.00	
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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 **143655**
Total Samples 4
Date Sampled 08/24/2010
Date Received 08/26/2010
Date Analyzed 08/26/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: **FB-1-08242010** Micro: 143655-01 **UPWIND STATION FIELD BLANK**	Time Rate Liters	Fibers 0 Fields 100 F/mm² < 7.0		LCL UCL LOD LOQ CV 0.47
Client: **FB-2-08242010** Micro: 143655-02 **DOWNWIND STATION FIELD BLANK**	Time Rate Liters	Fibers 0 Fields 100 F/mm² < 7.0		LCL UCL LOD LOQ CV 0.47
Client: **UW-08242010** Micro: 143655-03 **UPWIND STATION**	Time 511 Rate 2 Liters 1022.0	Fibers 9 Fields 100 F/mm² 11.5	**0.004**	LCL UCL 0.002 0.006 LOD LOQ 0.003 0.038 CV 0.25
Client: **DW-08242010** Micro: 143655-04 LM **DOWNWIND STATION**	Time 517 Rate 2 Liters 1034.0	Fibers 10.5 Fields 100 F/mm² 13.4	**0.005**	LCL UCL 0.003 0.007 LOD LOQ 0.003 0.037 CV 0.25

Technical Supervisor: _____ 8/26/2010 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, 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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Northgate Environmental Management
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PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **143655**
Total Samples 4
Date Sampled 08/24/2010
Date Received 08/26/2010
Date Analyzed 08/26/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: FB-1-08242010 Micro: 143655-01 UPWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm² < 7.0		LCL UCL LOD LOQ CV 0.47
Client: FB-2-08242010 Micro: 143655-02 DOWNWIND STATION FIELD BLANK	Time Rate Liters	Fibers 0 Fields 100 F/mm² < 7.0		LCL UCL LOD LOQ CV 0.47
Client: UW-08242010 Micro: 143655-03 UPWIND STATION	Time 511 Rate 2 Liters 1022.0	Fibers 9 Fields 100 F/mm² 11.5	**0.004**	LCL UCL 0.002 0.006 LOD LOQ 0.003 0.038 CV 0.25
Client: DW-08242010 Micro: 143655-04 LM DOWNWIND STATION	Time 517 Rate 2 Liters 1034.0	Fibers 10.5 Fields 100 F/mm² 13.4	**0.005**	LCL UCL 0.003 0.007 LOD LOQ 0.003 0.037 CV 0.25

Technical Supervisor: _____ 8/26/2010 Analyst: LM
Frank Raviola, M.S. Date Reported

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