

CLEAR FORM

SAVE FORM

E-MAIL

Client ID #

MICRO ANALYTICAL LABORATORIES, INC.

Log in #

143142

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)

Number of Samples

3

Turn-Around Time

3-5 DAYS

Tel. (510) 839-0688

Fax (510) 839-4350

Job No. 2027.07.21

E-mail ted.splitter@ngem.com

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

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
	AS-08092010_FB	Field blank, not used to pump air. Do not analyze, hold for instructions.	08/09/2010	: : 0	0	0.00	0.80
①	AS-08092010_SS1	SB04, SB03, and 1' sample SB02.	08/09/2010	11:49 16:25 276	2.1	579.60	0.80
②	AS-08102010_SS1	SB02, SB01, SSAJ3-05, and SSAJ3-02.	08/10/2010	06:38 15:57 559	2.1	1,173.90	0.80
				: : 0		0.00	
				: : 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

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).

Dana R. Brown

[Signature]

Sampler's Signature / Name

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

Dana R. Brown

[Signature]

Drop Box / Courier

Relinquished By

Date / Time

□ □ □ □ □ □

Received By

[Signature]

8/16/10 0938

Date / Time

Relinquished By

Date/Time

□ □ □ □ □ □

Received By

Date / Time

Client ID #

MICRO ANALYTICAL LABORATORIES, INC.

Log in # 143142

Name / Client / Address:
Northgate Environmental

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

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. 2027.07.21

E-mail ted.splitter@ngem.com

Number of Samples **Turn-Around Time**
3 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
	AS-08092010_FB	Field blank, not used to pump air. Do not analyze, hold for instructions.	08/09/2010	: : 0	0	0.00	0.80
①	AS-08092010_SS1	SB04, SB03, and 1' sample SB02.	08/09/2010	11:49 16:25 276	2.1	579.60	0.80
②	AS-08102010_SS1	SB02, SB01, SSAJ3-05, and SSAJ3-02.	08/10/2010	06:38 15:57 559	2.1	1,173.90	0.80
				: : 0		0.00	
				: : 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

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: Dana R. Brown *[Signature]*

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

Relinquished By: Dana R. Brown Date / Time:

Received By: *[Signature]* Date / Time: 8/16/10 09:28

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 **143142**
Total Samples 2
Date Sampled 08/09/2010
Date Received 08/16/2010
Date Analyzed 08/16/2010

Sample ID		Field Data		Lab Data		Fibers / cc	Limits	
Client:	AS-08092010_SS1	Time	276	Fibers	8	0.007	LCL	UCL
Micro:	143142-01	Rate	2.1	Fields	100		0.003	0.010
SB04, SB03 AND 1 st SAMPLE SB02		Liters	579.6	F/mm ²	10.2		LOD	LOQ
							0.005	0.066
							CV	0.28
Client:	AS-08102010_SS1	Time	559	Fibers	12.5	0.005	LCL	UCL
Micro:	143142-02	Rate	2.1	Fields	100		0.002	0.008
SB02, SB01, SSAJ3-05 AND SSAJ3-02		Liters	1173.9	F/mm ²	15.9		LOD	LOQ
							0.002	0.033
							CV	0.28

Technical Supervisor: _____

Frank Raviola, M.S.

8/16/2010
Date Reported

Analyst: _____

KS

AIHA IH LAP LABORATORY Accreditation / PAT ID No. 101766. 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 **143142**
Total Samples 2
Date Sampled 08/09/2010
Date Received 08/16/2010
Date Analyzed 08/16/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: AS-08092010_SS1 Micro: 143142-01 SB04, SB03 AND 1' SAMPLE SB02	Time 276 Rate 2.1 Liters 579.6	Fibers 8 Fields 100 F/mm ² 10.2	0.007	LCL UCL 0.003 0.010 LOD LOQ 0.005 0.066 CV 0.28
Client: AS-08102010_SS1 Micro: 143142-02 SB02, SB01, SSAJ3-05 AND SSAJ3-02	Time 559 Rate 2.1 Liters 1173.9	Fibers 12.5 Fields 100 F/mm ² 15.9	0.005	LCL UCL 0.002 0.008 LOD LOQ 0.002 0.033 CV 0.28

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, 8/15/1984). 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.