

Client ID #
2027.07

MICRO ANALYTICAL LABORATORIES, INC.

Log in # 145543

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 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
01	FB-3-10052010B	Upwind Station Field Blank (BM884433)	10/05/2010	: : 0	0.0	0.00	0.80
02	UW-10052010B	Upwind Station (BM884533)	10/05/2010	08 : 45 16 : 11 446	2.0	892.00	0.80
03	FB-4-10052010B	Downwind Station Field Blank (BM884549)	10/05/2010	: : 0	0.0	0.00	0.80
04	DW-10052010B	Downwind Station	10/05/2010	08 : 05 15 : 41 456	2.0	912.00	0.80
05	FB-3-10062010B	Upwind Station Field Blank (BM884435)	10/06/2010	: : 0		0.00	0.80
06	UW-10062010B	Upwind Station (BM884542)	10/06/2010	05 : 28 16 : 20 652	2.0	1,304.00	0.80
07	FB-4-10062010B	Downwind Station Field Blank (BM860592)	10/06/2010	: : 0		0.00	0.80
08	DW-10062010B	Downwind Station (BM860681)	10/06/2010	05 : 50 16 : 50 660	2.0	1,320.00	0.80
09	FB-5-10072010B	Upwind Station Field Blank (BM8860580)	10/07/2010	: : 0		0.00	0.80
10	UW-10072010B	Upwind Station (BM884461)	10/07/2010	04 : 42 17 : 44 782	2.0	1,564.00	0.80

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 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

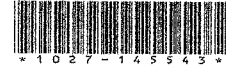
Drop Box / Courier

Received By

Date / Time

MICRO ANALYTICAL LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY

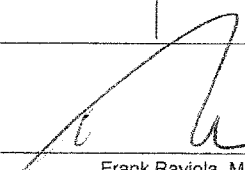


1027
Northgate Environmental Management
300 Frank H. Ogawa Plaza
Suite 510
Oakland, CA 94612

PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **145543**
Total Samples 12
Date Sampled 10/05/2010
Date Received 10/12/2010
Date Analyzed 10/12/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-3-10052010B Micro: 145543-01 KS 10/5/2010 UPWIND STATION FIELD BLANK (BM884433)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.19
Client: UW-10052010B Micro: 145543-02 10/5/2010 UPWIND STATION (BM884533)	Time 446 Rate 2 Liters 892.0	Fibers 1 Fields 100 F/mm ² < 7.0	< 0.003	LCL LOD CV	UCL 0.010 0.043 1.19
Client: FB-4-10052010B Micro: 145543-03 DOWNWIND STATION FIELD BLANK (BM884549)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.19
Client: DW-10052010B Micro: 145543-04 DOWNWIND STATION	Time 456 Rate 2 Liters 912.0	Fibers 3 Fields 100 F/mm ² < 7.0	< 0.003	LCL LOD CV	UCL 0.010 0.042 1.19
Client: FB-3-10062010B Micro: 145543-05 UPWIND STATION FIELD BLANK (BM884435)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.19

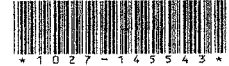
Technical Supervisor:  10/12/2010
Frank Raviola, M.S. Date Reported

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 (LOD) 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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Total Samples 12
Date Sampled 10/05/2010
Date Received 10/12/2010
Date Analyzed 10/12/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: UW-10062010B Micro: 145543-06 KS 10/6/2010 UPWIND STATION (BM884542)	Time 652 Rate 2 Liters 1304.0	Fibers 1 Fields 100 F/mm ² < 7.0	< 0.002	LCL UCL 0.000 0.007 LOD LOQ 0.002 0.030 CV 1.19
Client: FB-4-10062010B Micro: 145543-07 10/6/2010 DOWNWIND STATION FIELD BLANK (BM860592)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: DW-10062010B Micro: 145543-08 10/6/2010 DOWNWIND STATION (BM860661)	Time 660 Rate 2 Liters 1320.0	Fibers 3 Fields 100 F/mm ² < 7.0	< 0.002	LCL UCL 0.000 0.007 LOD LOQ 0.002 0.029 CV 1.19
Client: FB-5-10072010B Micro: 145543-09 10/7/2010 UPWIND STATION FIELD BLANK (BM860580)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: UW-10072010B Micro: 145543-10 10/7/2010 UPWIND STATION (BM884461)	Time 782 Rate 2 Liters 1564.0	Fibers 2.5 Fields 100 F/mm ² < 7.0	< 0.002	LCL UCL 0.000 0.006 LOD LOQ 0.002 0.025 CV 1.19

Technical Supervisor: _____

Frank Raviola, M.S.

10/12/2010
Date Reported

Analyst: _____

KS

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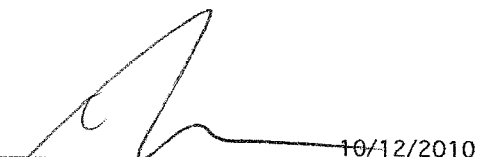
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 JOB NO. 2027.07

Micro Log In **145543**
 Total Samples 12
 Date Sampled 10/05/2010
 Date Received 10/12/2010
 Date Analyzed 10/12/2010

Sample ID		Field Data		Lab Data		Fibers / cc	Limits	
Client:	FB-6-10072010B						LCL	UCL
Micro:	145543-11 10/7/2010 DOWNWIND STATION FIELD BLANK (BM884509)	Time		Fibers	0		LOD	LOQ
		Rate		Fields	100			
		Liters		F/mm ²	< 7.0		CV	1.19
Client:	DW-10072010B						LCL	UCL
Micro:	145543-12 10/7/2010 DOWNWIND STATION (BM884509)	Time	782	Fibers	4	< 0.002	0.000	0.006
		Rate	2	Fields	100		LOD	LOQ
		Liters	1564.0	F/mm ²	< 7.0		0.002	0.025
							CV	1.19

Technical Supervisor: _____


 Frank Raviola, M.S. 10/12/2010
 Date Reported

Analyst: _____ KS

AIHA IHLP 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.