

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 # 148623

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

COPY

Job No. 2027.07

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
	RZ-C-9A.10A.17.22A- 12172010	RZ-C-9A,10A,17,22A Work Zones (BS826339)	12/17/2010	05:55 15:45 590	2.0	1,180.00	0.80
	FB-1-12172010	RZ-C Work Zone Field Blank (BS826503)	12/17/2010	: : 0	0.0	0.00	0.80
	RZ-C-17.22A- 12202010	RZ-C-17,22A Work Zones (BS826476)	12/20/2010	06:20 16:03 583	2.0	1,166.00	0.80
	FB-1-12202010	RZ-C Work Zone Field Blank (BS826460)	12/20/2010	: : 0	0.0	0.00	0.80
	RZ-C-45-12272010	RZ-C-45 Work Zone (BS822841)	12/27/2010	6:50 16:00 550	2.0	1,100.00	0.80
	FB-1-12272010B	RZ-C Work Zone Field Blank (BS822851)	12/27/2010	: : 0	0.0	0.00	0.80
	RZ-C-45-12292010	RZ-C-45 Work Zone (BS826306)	12/29/2010	06:30 17:30 660	2.0	1,320.00	0.80
	FB-RZ-C-45- 12292010	RZ-C Work Zone Field Blank (BS826535)	12/29/2010	: : 0	0.0	0.00	0.80
	RZ-C-45-01032011	RZ-C-45 Work Zone (BS826308)	01/03/2011	06:10 14:00 470	2.0	940.00	0.80
	FB-RZ-C-45- 01032011	RZ-C-45 Work Zone Field Blank (BS826320)		: : 0		0.00	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).

Francisco Barron *Francisco Barron* 16:40 1/3/11

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

Sonny Nguyen *Sonny Nguyen* 1/3/11 16:41 Drop Box / Courier

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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Log in #

149623

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
149623-1	RZ-C-9A.10A.17.22A-12172010	RZ-C-9A,10A,17,22A Work Zones (BS826339)	12/17/2010	05:55 15:45 590	2.0	1,180.00	0.80
2	FB-1-12172010	RZ-C Work Zone Field Blank (BS826503)	12/17/2010	: : 0	0.0	0.00	0.80
3	RZ-C-17.22A-12202010	RZ-C-17,22A Work Zones (BS826476)	12/20/2010	06:20 16:03 583	2.0	1,166.00	0.80
4	FB-1-12202010	RZ-C Work Zone Field Blank (BS826460)	12/20/2010	: : 0	0.0	0.00	0.80
5	RZ-C-45-12272010	RZ-C-45 Work Zone (BS822841)	12/27/2010	6:50 16:00 550	2.0	1,100.00	0.80
6	FB-1-12272010B	RZ-C Work Zone Field Blank (BS822851)	12/27/2010	: : 0	0.0	0.00	0.80
7	RZ-C-45-12292010	RZ-C-45 Work Zone (BS826306)	12/29/2010	06:30 17:30 660	2.0	1,320.00	0.80
8	FB-RZ-C-45-12292010	RZ-C Work Zone Field Blank (BS826535)	12/29/2010	: : 0	0.0	0.00	0.80
9	RZ-C-45-01032011	RZ-C-45 Work Zone (BS826308)	01/03/2011	06:10 14:00 470	2.0	940.00	0.80
10	FB-RZ-C-45-01032011	RZ-C-45 Work Zone Field Blank (BS826320)		: : 0		0.00	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).

Francisco Barron

Sampler's Signature / Name

Francisco Barron 1/3/11 16:40 1/3/11

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

Sonny Nguyen

Sonny Nguyen 1/3/11 16:41

Drop Box / Courier

fr/m 1.4.11 9:12

Relinquished By

Date / Time

Received By

Date / Time

Relinquished By

Date/Time

Received By

Date / Time

MICRO ANALYTICAL LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY

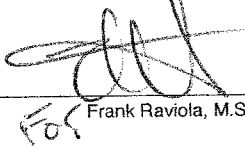


1027
Northgate Environmental Management
300 Frank H. Ogawa Plaza
Suite 510
Oakland, CA 94612

PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **148623**
Total Samples 10
Date Sampled 12/17/2010
Date Received 01/04/2011
Date Analyzed 01/04/2011

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: RZ-C-9A.10A.17.22A-12172010 Micro: 148623-01 LM 12/17/2010 RZ-C-9A.10A.17.22A WORK ZONES (BS826339)	Time 590 Rate 2 Liters 1180.0	Fibers 3.5 Fields 100 F/mm ² < 7.0	< 0.002	LCL 0.000 LOD 0.002 CV	UCL 0.005 LOQ 0.033 0.52
Client: FB-1-12172010 Micro: 148623-02 12/17/2010 RZ-C WORK ZONE FIELD BLANK (BS826503)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 0.52
Client: RZ-C-17.22A-12202010 Micro: 148623-03 12/20/2010 RZ-C-17.22A WORK ZONES (BS826476)	Time 583 Rate 2 Liters 1166.0	Fibers 1 Fields 100 F/mm ² < 7.0	< 0.002	LCL 0.000 LOD 0.002 CV	UCL 0.005 LOQ 0.033 0.52
Client: FB-1-12202010 Micro: 148623-04 12/20/2010 RZ-C WORK ZONE FIELD BLANK (BS826460)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 0.52
Client: RZ-C-45-12272010 Micro: 148623-05 12/27/2010 RZ-C-45 WORK ZONE (BS822841)	Time 550 Rate 2 Liters 1100.0	Fibers 15 Fields 100 F/mm ² 19.1	0.007	LCL 0.003 LOD 0.002 CV	UCL 0.010 LOQ 0.035 0.26

Technical Supervisor: 

Frank Raviola, M.S.

1/4/2011
Date Reported

Analyst: _____

LM

AIHA IHLAP 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. 8, 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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PHASE CONTRAST MICROSCOPY



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PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **148623**
Total Samples 10
Date Sampled 12/17/2010
Date Received 01/04/2011
Date Analyzed 01/04/2011

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
				LCL	UCL
Client: FB-1-12272010B Micro: 148623-06 12/27/2010 RZ-C WORK ZONE FIELD BLANK (BS822851)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 0.52
Client: RZ-C-45-12292010 Micro: 148623-07 12/29/2010 RZ-C-45 WORK ZONE (BS826306)	Time 660 Rate 2 Liters 1320.0	Fibers 5 Fields 100 F/mm ² < 7.0	< 0.002	LCL LOD CV	UCL 0.004 LOQ 0.029 0.52
Client: FB-RZ-C-45-12292010 Micro: 148623-08 12/29/2010 RZ-C WORK ZONE FIELD BLANK (BS826535)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 0.52
Client: RZ-C-45-01032011 Micro: 148623-09 LM 1/3/2011 RZ-C-45 WORK ZONE (BS826308)	Time 470 Rate 2 Liters 940.0	Fibers 14 Fields 100 F/mm ² 17.8	0.007	LCL LOD CV	UCL 0.011 LOQ 0.041 0.26
Client: FB-RZ-C-45-01032011 Micro: 148623-10 1/3/2011 RZ-C-45 WORK ZONE FIELD BLANK (BS826320)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 0.52

Technical Supervisor: _____

Frank Raviola, M.S.

1/4/2011
Date Reported

Analyst: _____

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