

CLEAR FORM

SAVE FORM

E-MAIL

Client ID #
2027.07

MICRO ANALYTICAL LABORATORIES, INC.

Name / Client / Address:
Northgate Environmental

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

Log in #

146060

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

8

Turn-Around Time

3-5 DAYS

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled		Average LPM	Total Liters	Filter Pore Size
				Start / Stop / Total Minutes				
01	RZ-D-01B-10132010	Remediation Zone 01B (BM884481)	10/13/2010	07:24	17:58	2.0	1,268.00	0.80
				634				
02	FB-1-10132010	Remediation Zone 01B Field Blank (BM860577)	10/13/2010	:	:	0.0	0.00	0.80
				0				
07	RZ-D-01B-10142010	Remediation Zone 01B (BM884477)	10/14/2010	11:27	17:50	2.0	766.00	0.80
				383				
04	FB-1-10142010	Remediation Zone 01B Field Blank (BM884547)	10/14/2010	:	:	0.0	0.00	0.80
				0				
05	RZ-D-01B-10152010	Remediation Zone 01B (BM860754)	10/15/2010	10:30	17:28	2.0	836.00	0.80
				418				
04	FB-1-10152010	Remediation Zone 01B Field Blank (BM860634)	10/15/2010	:	:	0.0	0.00	0.80
				0				
09	RZ-B-0401-10202010	Remediation Zone 04 and 01 (BM860656)	10/20/2010	07:05	15:55	2.0	1,060.00	0.80
				530				
06	FB-1-10202010	Remediation Zone 04 and 01 Field Blank (BM860804)	10/20/2010	:	:	0.0	0.00	0.80
				0				
				:	:	2.0	0.00	0.80
				0				
				:	:	2.0	0.00	0.80
				0				

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

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

David T. Behnken

Drop Box / Courier

Relinquished By

Date / Time

Received By

Date / Time

10-25-10 9:21

Relinquished By

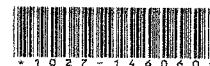
Date/Time

Received By

Date / Time

MICRO ANALYTICAL LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY



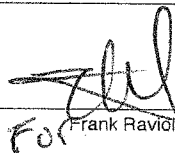
1027
Northgate Environmental Management
300 Frank H. Ogawa Plaza
Suite 510
Oakland, CA 94612

PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **146060**
Total Samples 8
Date Sampled 10/14/2010
Date Received 10/25/2010
Date Analyzed 10/25/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: RZ-D-01B-10132010 ✓ Micro: 146060-01 REMEDIAION ZONE 01B (BM884481)	Time 634 Rate 2.0 ✓ Liters 1268.0	Fibers 8 Fields 100 F/mm ² 10.2	0.003 ✓	LCL ✓ UCL ✓ 0.001 0.005 ✓ LOD ✓ LOQ ✓ 0.002 0.030 ✓ CV 0.28 ✓
Client: FB-1-10132010 Micro: 146060-02 REMEDIAION ZONE 01B FIELD BLANK (BM860577)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: RZ-D-01B-10142010 ✓ Micro: 146060-03 REMEDIAION ZONE 01B (BM884477)	Time 383 Rate 2.0 ✓ Liters 766.0	Fibers 11 Fields 100 F/mm ² 14.0	0.007 ✓	LCL UCL 0.003 0.011 ✓ LOD ✓ LOQ ✓ 0.004 0.050 ✓ CV 0.28 ✓
Client: FB-1-10142010 Micro: 146060-04 REMEDIAION ZONE 01B FIELD BLANK (BM884547)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: RZ-D-01B-10152010 ✓ Micro: 146060-05 KS REMEDIAION ZONE 01B (BM860754)	Time 418 Rate 2.0 ✓ Liters 836.0 ✓	Fibers 4 Fields 100 F/mm ² < 7.0	< 0.003 ✓	LCL ✓ UCL ✓ 0.000 0.011 ✓ LOD ✓ LOQ ✓ 0.003 0.046 ✓ CV 1.19 ✓

Technical Supervisor: _____


For Frank Raviola, M.S.

10/25/2010
Date Reported

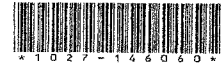
Analyst: _____

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, 8/15/1994). 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 **146060**
Total Samples 8
Date Sampled 10/14/2010
Date Received 10/25/2010
Date Analyzed 10/25/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: FB-1-101512010 Micro: 146060-06 REMEDIAION ZONE 01B FIELD BLANK (BM860634)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.19
Client: RZ-B-0401-10202010 ✓ Micro: 146060-07 REMEDIAION ZONE 04 AND 01 (BM860656)	Time 530 Rate 2.0 ✓ Liters 1060.0 ✓	Fibers 37.5 Fields 100 F/mm ² 47.8	0.017 ✓	LCL LOD CV	UCL 0.024 ✓ LOQ 0.036 ✓ 0.20 ✓
Client: FB-1-10202010 Micro: 146060-08 REMEDIAION ZONE 04 AND 01 FIELD BLANK (BM860804)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL LOD CV	UCL LOQ 1.19

Technical Supervisor: _____


Frank Raviola, M.S.

10/25/2010
Date Reported

Analyst: _____

KS

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