

Client ID #
2027.07
Name / Client / Address:
Northgate Environmental

MICRO ANALYTICAL LABORATORIES, INC.

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

Log in #

145312

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

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

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
145312-1	RZ-D-29-10012010	Remediation Zone 29 (BM884479)	10/01/2010	11:15 13:49 154	2.0	308.00	0.80
2	FB-1-10012010	Remediation Zone 29 Field Blank (BM884529)	10/01/2010	: : 0	0.0	0.00	0.80
3	RZ-D-30-10042010	Remediation Zone 30 (BM884557)	10/04/2010	07:36 14:17 401	2.0	802.00	0.80
4	FB-1-10042010	Remediation Zone 30 Field Blank (BM884555)	10/04/2010	: : 0	0.0	0.00	0.80
5	RZ-D-29.30-10052010	Remediation Zone 29.30 (BM884460)	10/05/2010	08:20 13:00 280	2.0	560.00	0.80
6	FB-1-10052010	Remediation Zone 29.30 Field Blank (BM860648)	10/05/2010	: : 0	0.0	0.00	0.80
7	RZ-D-01D1.04A-10062010	Remediation Zone 01D1.04A (BM884554)	10/06/2010	05:58 15:04 546	2.0	1,092.00	0.80
8	FB-1-10062010	Remediation Zone 01D1.04A Field Blank (BM884468)		: : 0		0.00	
9	RZ-D-30-10062010	Remediation Zone 30 (BM884446)		08:15 14:47 392	2	784.00	
10	FB-2-10062010	Remediation Zone 30 Field Blank (BM884464)		: : 0	0.0	0.00	

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* 10/11/2010

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

Relinquished By *Ronnie S. Bauler* 10/11/2010 Drop Box / Courier

Relinquished By _____ Date / Time _____

Received By *DM* 10-12-10

Received By _____ Date / Time _____

Relinquished By _____ Date / Time _____

Received By _____ Date / Time _____

Client ID #

2027.07

MICRO ANALYTICAL LABORATORIES, INC.

5900 Hollis St., Suite M, Emeryville, CA 94608

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Log in #

145342

Name / Client / Address:

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

4

Turn-Around Time

3-5 DAYS

Tel. (510) 839-0688

Fax (510) 839-4350

Job No. 2027.07

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
145342-11	RZ-D-01D1.01C.04.04A-10072010	Remediation Zone 01D1.01C.04.04A (BM884559)	10/07/2010	05:41 16:55 674	2.0	1,348.00	0.80
12	FB-1-10072010	Remediation Zone 01D1.01C.04.04A Field Blank (BM884505)	10/07/2010	: : 0	0.0	0.00	0.80
13	RZ-D-01D1.01C.04.04A.05-10082010	Remediation Zone 01D1.01C.04.04A.05 (BM884498)	10/08/2010	05:10 17:55 765	2.0	1,530.00	0.80
14	FB-1-10082010	Remediation Zone 01D1.01C.04.04A.05 Field Blank (BM884467)	10/08/2010	: : 0	0.0	0.00	0.80
				: : 0	2.0	0.00	0.80
				: : 0	0.0	0.00	0.80
				: : 0	2.0	0.00	0.80
				: : 0	2.0	0.00	0.80
				: : 0	2.0	0.00	0.80
				: : 0	2.0	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

Ronald S. Behnken
David T. Behnken

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

Relinquished By

Date / Time

10/11/2010 12:00

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 **145542**
Total Samples 14
Date Sampled 10/01/2010
Date Received 10/12/2010
Date Analyzed 10/12/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: RZ-D-29-10012010 Micro: 145542-01 10/1/2010 REMEDIAION ZONE 29 (BM884479)	Time 154 Rate 2 Liters 308.0	Fibers 2 Fields 100 F/mm ² < 7.0	< 0.009	LCL 0.000 UCL 0.029 LOD 0.009 LOQ 0.125 CV 1.19
Client: FB-1-10012010 Micro: 145542-02 10/1/2010 REMEDIAION ZONE 29 FIELD BLANK (BM=884529)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: RZ-D-30-10042010 Micro: 145542-03 10/4/2010 REMEDIAION ZONE 30 (BM884557)	Time 401 Rate 2 Liters 802.0	Fibers 40.5 Fields 100 F/mm ² 51.6	0.025	LCL 0.015 UCL 0.035 LOD 0.003 LOQ 0.048 CV 0.20
Client: FB-1-10042010 Micro: 145542-04 10/4/2010 REMEDIAION ZONE 30 FIELD BLANK (BM884555)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: RZ-D-29.30-10052010 Micro: 145542-05 KS 10/5/2010 REMEDIAION ZONE 29.30 (BM884460)	Time 280 Rate 2 Liters 560.0	Fibers 11 Fields 100 F/mm ² 14.0	0.010	LCL 0.004 UCL 0.015 LOD 0.005 LOQ 0.069 CV 0.28

Technical Supervisor: _____

Frank Raviola, M.S.

10/12/2010
Date Reported

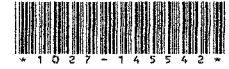
Analyst: _____

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

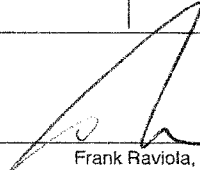


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PROJECT:
TRONOX LLC
JOB NO. 2027.07

Micro Log In **145542**
Total Samples 14
Date Sampled 10/01/2010
Date Received 10/12/2010
Date Analyzed 10/12/2010

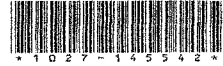
Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: FB-1-10052010 Micro: 145542-06 10/5/2010 REMEDIATION ZONE 29.30 FIELD BLANK (BM860648)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: RZ-D-01D1.04A-10062010 Micro: 145542-07 10/6/2010 REMEDIATION ZONE 01D1.04A (BM884554)	Time 546 Rate 2 Liters 1092.0	Fibers 17.5 Fields 100 F/mm ² 22.3	0.008	LCL UCL 0.004 0.012 LOD LOQ 0.002 0.035 CV 0.28
Client: FB-1-10062010 Micro: 145542-08 10/6/2010 REMEDIATION ZONE 01D1.04A FIELD BLANK (BM884468)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: RZ-D-30-10062010 Micro: 145542-09 10/6/2010 REMEDIATION ZONE 30 (BM884446)	Time 392 Rate 2 Liters 784.0	Fibers 7 Fields 100 F/mm ² 8.9	0.004	LCL UCL 0.002 0.007 LOD LOQ 0.003 0.049 CV 0.28
Client: FB-2-10062010 Micro: 145542-10 10/6/2010 REMEDIATION ZONE 30 FIELD BLANK (BM884464)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19

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

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 101788. 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

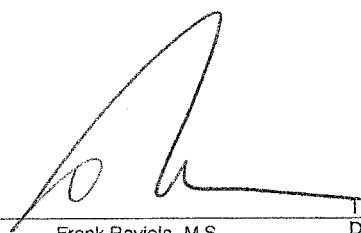


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Total Samples 14
Date Sampled 10/01/2010
Date Received 10/12/2010
Date Analyzed 10/12/2010

Sample ID	Field Data	Lab Data	Fibers / cc	Limits
Client: RZ-D-01D1.01C.04.04A-10072010 Micro: 145542-11 KS 10/7/2010 REMEDATION ZONE 01D1.01C.04.04A (BM884559)	Time 674 Rate 2 Liters 1348.0	Fibers 18 Fields 100 F/mm ² 22.9	0.007	LCL UCL 0.003 0.010 LOD LOQ 0.002 0.029 CV 0.28
Client: FB-1-10072010 Micro: 145542-12 10/7/2010 REMEDATION ZONE 01D1.01C.04.04A FIELD BLANK (BM884505)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 1.19
Client: RZ-D-01D1.01C.04.04A.05-10082010 Micro: 145542-13 10/8/2010 REMEDATION ZONE 01D1.01C.04.04A.05 (BM884498)	Time 765 Rate 2 Liters 1530.0	Fibers 23 Fields 100 F/mm ² 29.3	0.007	LCL UCL 0.004 0.010 LOD LOQ 0.002 0.025 CV 0.20
Client: FB-1-10082010 Micro: 145542-14 10/8/2010 REMEDATION ZONE 01D1.01C.04.04A.05 FIELD BLANK(BM884467)	Time Rate Liters	Fibers 0 Fields 100 F/mm ² < 7.0		LCL UCL LOD LOQ CV 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, 6/16/1994). 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. All volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm². N/A = not applicable.