

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 #

147228

Project  
Tronox LLC

Asbestos (TEM) NIOSH 7400

Asbestos

Lead Only

Metals (Specify)

Mold, Non-Viable

Other (Specify)

Number of Samples  
7

Turn-Around Time  
3-5 DAYS

| Micro ID #<br>(For Lab Use Only) | Client Sample ID# | Description                             | Date Sampled | Time Sampled<br>Start / Stop /<br>Total Minutes | Average<br>LPM | Total<br>Liters | Filter<br>Pore Size |
|----------------------------------|-------------------|---|--------------|---|----------------|-----------------|---------------------|
| 01                               | DW-11222010A      | Downwind Station (BS823153)             | 11/22/2010   | 6:20   16:40                                    | 2.0            | 1,240.00        | 0.80                |
| 02                               | FB-40-11222010    | Downwind Station Field Blank (BS823154) | 11/22/2010   | :   :   | 0.0            | 0.00            | 0.80                |
| 03                               | UW-11222010A      | Upwind Station (BS823230)               | 11/22/2010   | 6:00   16:25                                    | 2.0            | 1,250.00        | 0.80                |
| 04                               | FB-39-11222010    | Upwind Station Field Blank (BS823078)   | 11/22/2010   | :   :   | 0.0            | 0.00            | 0.80                |
| 05                               | 11192010-RZ-B-18  | WORK ZONE RZ-B-18                       | 11/19/2010   | 6:02   14:02                                    | 2.0            | 960.00          |                     |
|                                  | FB-1-11192010     | WORK ZONE RZ-B-18 FIELD BLANK           | 11/19/2010   | :   :   | 0.0            | 0.00            |                     |
|                                  |                   | USED MEDIA PLEASE DISCARD               |              | :   :   | 2.0            | 0.00            |                     |
|                                  |                   |   |              | :   :   | 0.0            | 0.00            |                     |
|                                  |                   |   |              | :   :   | 2.0            | 0.00            |                     |
|                                  |                   |   |              | :   :   | 0.0            | 0.00            |                     |
|                                  |                   |   |              | :   :   | 2.0            | 0.00            |                     |
|                                  |                   |   |              | :   :   | 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).

Ronda S. Bailey  
Sampler's Signature / Name

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

Ronda S. Bailey  
Relinquished By

Date / Time 11/22/10 12:00

Received By 11/23/10 11:09

Relinquished By

Date/Time

Date / Time

Client ID #  
2027.07  
Name / Client / Address:  
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Tronox LLC

**Asbestos (TEM)** NIOSH 7400

**Asbestos** \_\_\_\_\_

**Lead Only** \_\_\_\_\_

**Metals (Specify)** \_\_\_\_\_

**Mold, Non-Viable** \_\_\_\_\_

**Other (Specify)** \_\_\_\_\_

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Job No. 2027.07

**Number of Samples** 7      **Turn-Around Time** 3-5 DAYS

| Micro ID #<br>(For Lab Use Only) | Client Sample ID# | Description                             | Date Sampled | Time Sampled                 |                              | Average LPM | Total Liters | Filter Pore Size |
|----------------------------------|-------------------|---|--------------|------------------------------|------------------------------|-------------|--------------|------------------|
|                                  |                   |   |              | Start / Stop / Total Minutes | Start / Stop / Total Minutes |             |              |                  |
| 01                               | DW-11222010A      | Downwind Station (BS823153)             | 11/22/2010   | 6:20                         | 16:40                        | 2.0         | 1,240.00     | 0.80             |
| 02                               | FB-40-11222010    | Downwind Station Field Blank (BS823154) | 11/22/2010   | :                            | :                            | 0.0         | 0.00         | 0.80             |
| 03                               | UW-11222010A      | Upwind Station (BS823230)               | 11/22/2010   | 6:00                         | 16:25                        | 2.0         | 1,250.00     | 0.80             |
| 04                               | FB-39-11222010    | Upwind Station Field Blank (BS823078)   | 11/22/2010   | :                            | :                            | 0.0         | 0.00         | 0.80             |
| 05                               | 11192010-RZ-B-18  | WORK ZONE RZ-B-18                       | 11/19/2010   | 6:02                         | 14:02                        | 2.0         | 960.00       |                  |
| <del>06</del>                    | FB-1-11192010     | WORK ZONE RZ-B-18 FIELD BLANK           | 11/19/2010   | :                            | :                            | 0.0         | 0.00         |                  |
|                                  |                   | USED MEDIA PLEASE DISCARD               |              | :                            | :                            | 2.0         | 0.00         |                  |
|                                  |                   |   |              | :                            | :                            | 0.0         | 0.00         |                  |
|                                  |                   |   |              | :                            | :                            | 2.0         | 0.00         |                  |
|                                  |                   |   |              | :                            | :                            | 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).

Sampler's Signature / Name: *Ronda S. Bailey* 11/22/10 12:00

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

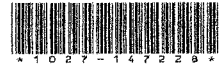
Relinquished By: Ronda S. Bailey 11/22/10 12:00 Drop Box / Courier

Date / Time:     Received By: *[Signature]* 11/23/10 11:09 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 **147228**  
Total Samples 5  
Date Sampled 11/22/2010  
Date Received 11/23/2010  
Date Analyzed 11/23/2010

| Sample ID  | Field Data                          | Lab Data  | Fibers / cc       | Limits  |
|--|-------------------------------------|---|-------------------|---|
| Client: <b>DW-11222010A</b><br>Micro: 147228-01 11/22/2010<br><b>DOWNWIND STATION (BS823153)</b>               | Time 620<br>Rate 2<br>Liters 1240.0 | Fibers 1<br>Fields 100<br>F/mm <sup>2</sup> < 7.0   | <b>&lt; 0.002</b> | LCL UCL<br>0.000 0.004<br>LOD LOQ<br>0.002 0.031<br>CV 0.52 |
| Client: <b>FB-40-11222010</b><br>Micro: 147228-02 11/22/2010<br><b>DOWNWIND STATION FIELD BLANK (BS823154)</b> | Time<br>Rate<br>Liters              | Fibers 0<br>Fields 100<br>F/mm <sup>2</sup> < 7.0   |                   | LCL UCL<br>LOD LOQ<br>CV 0.52                               |
| Client: <b>UW-11222010A</b><br>Micro: 147228-03 11/22/2010<br><b>UPWIND STATION (BS823230)</b>                 | Time 625<br>Rate 2<br>Liters 1250.0 | Fibers 2.5<br>Fields 100<br>F/mm <sup>2</sup> < 7.0 | <b>&lt; 0.002</b> | LCL UCL<br>0.000 0.004<br>LOD LOQ<br>0.002 0.031<br>CV 0.52 |
| Client: <b>FB-39-11222010</b><br>Micro: 147228-04 11/22/2010<br><b>UPWIND STATION FIELD BLANK (BS823076)</b>   | Time<br>Rate<br>Liters              | Fibers 0<br>Fields 100<br>F/mm <sup>2</sup> < 7.0   |                   | LCL UCL<br>LOD LOQ<br>CV 0.52                               |
| Client: <b>11192010-RZ-B-18</b><br>Micro: 147228-05 LM 11/19/2010<br><b>WORK ZONE RZ-B-18</b>                  | Time 480<br>Rate 2<br>Liters 960.0  | Fibers 10.5<br>Fields 100<br>F/mm <sup>2</sup> 13.4 | <b>0.005</b>      | LCL UCL<br>0.003 0.008<br>LOD LOQ<br>0.003 0.040<br>CV 0.26 |

Technical Supervisor: Frank Raviola, M.S. 11/23/2010 Date Reported Analyst: LM

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/mm<sup>2</sup>. Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm<sup>2</sup>. 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 proscribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm<sup>2</sup>. N/A = not applicable.

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PROJECT:  
TRONOX LLC  
JOB NO. 2027.07

Micro Log In **147228**  
Total Samples 5  
Date Sampled 11/22/2010  
Date Received 11/23/2010  
Date Analyzed 11/23/2010

| Sample ID   | Field Data                          | Lab Data  | Fibers / cc       | Limits  |
|---|-------------------------------------|---|-------------------|---|
| Client: <b>DW-11222010A</b><br>Micro: 147228-01 11/22/2010<br>DOWNWIND STATION (BS823153)               | Time 620<br>Rate 2<br>Liters 1240.0 | Fibers 1<br>Fields 100<br>F/mm <sup>2</sup> < 7.0   | <b>&lt; 0.002</b> | LCL UCL<br>0.000 0.004<br>LOD LOQ<br>0.002 0.031<br>CV 0.52 |
| Client: <b>FB-40-11222010</b><br>Micro: 147228-02 11/22/2010<br>DOWNWIND STATION FIELD BLANK (BS823154) | Time<br>Rate<br>Liters              | Fibers 0<br>Fields 100<br>F/mm <sup>2</sup> < 7.0   |                   | LCL UCL<br>LOD LOQ<br>CV 0.52                               |
| Client: <b>UW-11222010A</b><br>Micro: 147228-03 11/22/2010<br>UPWIND STATION (BS823230)                 | Time 625<br>Rate 2<br>Liters 1250.0 | Fibers 2.5<br>Fields 100<br>F/mm <sup>2</sup> < 7.0 | <b>&lt; 0.002</b> | LCL UCL<br>0.000 0.004<br>LOD LOQ<br>0.002 0.031<br>CV 0.52 |
| Client: <b>FB-39-11222010</b><br>Micro: 147228-04 11/22/2010<br>UPWIND STATION FIELD BLANK (BS823078)   | Time<br>Rate<br>Liters              | Fibers 0<br>Fields 100<br>F/mm <sup>2</sup> < 7.0   |                   | LCL UCL<br>LOD LOQ<br>CV 0.52                               |
| Client: <b>11192010-RZ-B-18</b><br>Micro: 147228-05 LM 11/19/2010<br>WORK ZONE RZ-B-18                  | Time 480<br>Rate 2<br>Liters 960.0  | Fibers 10.5<br>Fields 100<br>F/mm <sup>2</sup> 13.4 | <b>0.005</b>      | LCL UCL<br>0.003 0.008<br>LOD LOQ<br>0.003 0.040<br>CV 0.26 |

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