



600 West Cummings Park, Suite 5500, Woburn, Massachusetts 01801  
(781) 932-9400, (781) 932-6211 fax

## PHASE CONTRAST MICROSCOPY ANALYSIS REPORT

Page 1 of 3

Client *City of Newton*  
*140 Brandeis Road*  
*Newton MA 02459*

Project No. 60.23835.0004  
Project Location Perimeter, Newton North High School, Newton, MA  
Date Collected 8/18/2010

Batch # A10- 607  
Date Analyzed 8/18/2010  
Analyst Joseph Cooney  
Analyst Number AM000072  
Project Manager Robert Verdi

Sample No.	Sample Type 1	Sample Type 2	Sample Location	Sample Volume	Total Fibers	Total Fields Analyzed	Detection Limit f/cc	Concentration f/cc
01	Field Blank		Field Blank	0	0.0	100	N/A	N/A
02	Field Blank		Field Blank	0	0.0	100	N/A	N/A
03	Background		Station #2 - Northwest Corner	2350	0.0	100	0.001	BDL
04	Background		Station #5 - Southeast Corner @ Perimeter	2510	2.0	100	0.001	BDL
05	Background		Station #6 - East Side @ Perimeter	2550	3.0	100	0.001	BDL
06	Background		Station #1 - Northeast Corner @ Perimeter	1260	0.0	100	0.003	BDL
07	Background		Station #3 - West Side Perimeter	1260	3.0	100	0.003	BDL
08	Background		Station #4 - Southwest Corner @ Perimeter	1250	0.0	100	0.003	BDL



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*140 Brandeis Road*  
*Newton MA 02459*

**Batch #** A10- 607  
**Date Analyzed** 8/18/2010  
**Analyst** Joseph Cooney  
**Analyst Number** AM000072  
**Project Manager** Robert Verdi

**Project No.** 60.23835.0004  
**Project Location** Perimeter, Newton North High School, Newton, MA  
**Date Collected** 8/18/2010

<i>Sample No.</i>	<i>Sample Type 1</i>	<i>Sample Type 2</i>	<i>Sample Location</i>	<i>Sample Volume</i>	<i>Total Fibers</i>	<i>Total Fields Analyzed</i>	<i>Detection Limit f/cc</i>	<i>Concentration f/cc</i>
09	Background		Station #1	1760	0.0	100	0.002	BDL
10	Background		Station #2	1790	5.0	100	0.002	BDL
11	Background		Station #3	1810	0.0	100	0.002	BDL
12	Background		Station #4	1830	2.0	100	0.002	BDL
13	Background		Station #5	1840	1.0	100	0.002	BDL
14	Background		Station #6	1840	2.0	100	0.002	BDL



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<i>Sample No.</i>	<i>Sample Type 1</i>	<i>Sample Type 2</i>	<i>Sample Location</i>	<i>Sample Volume</i>	<i>Total Fibers</i>	<i>Total Fields Analyzed</i>	<i>Detection Limit f/cc</i>	<i>Concentration f/cc</i>
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**Legend:** BDL = Below Detection Limit f/cc = Fibers per cubic centimeter

**Filter Information:** Filter Type =MCE Pore Size = 0.8µm Diameter = 25.0mm  
 Effective Filter Area = 385mm<sup>2</sup> Area Analyzed = 0.00785 mm<sup>2</sup>

**Analytical Method:** NIOSH 7400

**Comments:** This laboratory is in compliance with the quality assurance as specified by this method  
 This report cannot be used to claim product endorsement by NVLAP or any agency of the U.S. Government

Respectfully Submitted,

Project Manager  
 ATC Associates Inc.

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# Air Quality Report

Client / Proj. #: 060.23835.0004  
 Job Site: Newton North High School  
 Work Area: Perimeter  
 Date of Collection: 8-18-10  
 Collected by: JOSEPH ZONEY  
 Signature: Joseph Zoney

Date of Analysis: 8-18-10  
 Method of Analysis: NIOSH 7400  
 Analyst Signature: Joseph Zoney  
 Microscope Make: Olympus  
 Microscope Model: CH2  
 Microscope Number:

Project Manager: Robert Verdi  
 On Site Contact: Trip Elmore  
 Phone Number:  
 Batch Number: 607

Sample No.	LOCATION	Sample Type (1-9)	Pump On (2400)	Pump Off (2400)	Rotometer (LPM) On	Rotometer (LPM) Off	Rate (LPM)	Time (Min)	Air Volume (Liters)	L.O.D.	Actual Count (1/100)	Adjusted Count (1/100)	Result (F/CC)	Analyst Initials
01	Field Blank										9/100			JRC
02	Field Blank										0/100			JRC
03	Station #2 - Northwest corner	1	0753	1148	10	10	10	235	2350	.001	0/100		≤ .001	JRC
04	Station #5 - Southeast corner & perimeter	1	0743	1154	10	10	10	251	2510	.001	2/100		≤ .001	JRC
05	Station #6 - East side & perimeter	1	0741	1156	10	10	10	255	2550	.001	3/100		≤ .001	JRC
06	Station #1 - Northeast corner & perimeter	1	0990	1146	10	10	10	126	1260	.001	0/100		≤ .001	JRC
07	Station #3 - West side & perimeter	1	0944	1150	10	10	10	126	1260	.001	3/100		2.001	JRC
08	Station #4 - Southwest corner & perimeter	1	0947	1152	10	10	10	125	1250	.001	0/100		2.001	JRC
09	Station #1	1	1146	1442	10	10	10	176	1760	.001	0/100		2.001	JRC
10	Station #2	1	1148	1447	10	10	10	179	1790	.001	5/100		.001	JRC
11	Station #3	1	1150	1451	10	10	10	181	1810	.001	0/100		2.001	JRC
12	Station #4	1	1152	1455	10	10	10	183	1830	.001	2/100		2.001	JRC
13	Station #5	1	1154	1458	10	10	10	184	1840	.001	1/100		2.001	JRC

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work

Rotameter Number: Calibration Date: Relinquished By: Received By:  
 NOTE: The ATC Associates Inc. Lab meets the requirements set forth by AHERA 40 CFR 763.90 (i)(2)(ii). FILTERS ARE 25MM MCE.



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