R.I. Analytical

Specialists in Environmental Services

HAZARDOUS MATERIALS INSPECTION REPORT
for
RENOVATIONS TO
TOPSFIELD TOWN HALL

RIAL Project No.: 030563

Prepared For:

TOWN OF TOPSFIELD
8 WEST COMMON STREET
TOPSFIELD, MA 01983

Prepared By:

R.I. Analytical Laboratories, Inc.
131 Coolidge Street, Building 2
Hudson, MA 01749

December 18, 2003

William H. Hopper
Senior Project Manager

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1.0 INTRODUCTION

This report presents the findings of the asbestos-containing building materials (ACBM) inspection, lead-based paint (LBP) screening, and visual inventory of additional suspect hazardous materials observed at the Topsfield Town Hall located at 8 West Common Street in Topsfield, Massachusetts. The inspection was conducted by R.I. Analytical Laboratories, Inc. (RIAL) on December 5, 2003. The purpose of the inspection was to identify the presence/absence of ACBM, LBP, and/or additional hazardous materials prior to renovations of the building.

2.0 SCOPE OF WORK

The inspection included the collection of bulk samples of suspect ACBM identified in the building, the collection of paint chip samples for laboratory analysis by inductively coupled plasma (ICP) emission spectrometry, and visual inventory of additional suspect hazardous materials such as light ballsts, thermostats, and fluorescent light tubes. Bulk samples were generally collected from, but not limited to flooring materials, baseboard mastic, plaster walls and ceilings, window putty, and window caulking. Paint chip samples were collected from interior and exterior painted surfaces.

RIAL performed the following tasks to complete the inspection:

- A visual inspection of accessible rooms and the exterior of the building to determine ACBM and LBP sample locations.
- Collection and analysis of bulk samples of suspect ACBM and LBP.
- Visual inventory of other suspected hazardous materials.

3.0 SITE INSPECTION METHODOLOGY

The following sections describe the inspection and analysis methods used to identify ACBM, LBP, and additional suspect hazardous materials. License and certification information for the asbestos inspector is provided in Appendix A.

3.1 ACBM Inspection Methodology

During the inspection, RIAL recorded the description and location of each suspect ACBM identified. At the completion of the visual inspection, bulk samples of suspect ACBM were collected for laboratory analysis. The number of samples collected was determined based on the various, distinct homogeneous materials identified. A homogeneous area is an area that, based on the inspector's judgment, contains materials that are uniform in color and texture and are present on similar building or utility components. A minimum of three representative bulk samples were collected from each homogeneous material. Bulk sample collection and analysis was performed by Polarized Light Microscopy (PLM) Test Method 600/R-93/116 or 40 CFR Part 763 Subpart F.

RIAL completed the ACBM inspection task by:

Inspecting and assessing all homogeneous areas of suspect or assumed ACBM. Homogeneous areas include surfacing material, thermal system insulation (TSI), and miscellaneous materials that were uniform in color and texture.

- Visually inspecting and touching observed suspect or assumed ACBM and classifying it as friable or non-friable.
- Recording the material description, location, general condition and amount for each homogeneous area of suspect or assumed ACBM.

During the inspection, 51 bulk samples were collected and submitted for laboratory analysis by PLM, and 37 of the samples were analyzed for asbestos content using positive stop techniques, meaning once a sample of a homogeneous material tested positive for asbestos (>1%), the remaining similar components of that group were not analyzed. The samples were described based on the inspectors' judgment and visual inspection of the material. Some descriptions of floor tile samples may not accurately reflect the actual color due to the presence of carpet mastic or discoloration of tile from general wear.

3.2 LBP Screening Methodology

RIAL performed a visual inspection of accessible interior and exterior spaces of the building and recorded the description, location, general condition and approximate quantity of each material suspected of being coated with LBP. Upon completion of the visual inspection, RIAL collected four paint chip samples and submitted them for analysis by ICP analysis for determination of lead concentration. The 1995 HUD Guideline level of 0.5% or greater is used as an action level for identification of LBP coated surfaces.

3.3 Additional Hazardous Materials Inspection Methodology

During the inspection of each room of the building, RIAL visually identified and tallied the number of lights containing ballasts, the number of potential mercury-containing light tubes, and visually inspected for mercury-containing thermostats. In addition, RIAL noted any drums, fuel tanks or other hazardous materials observed in the building.

4.0 SITE INSPECTION RESULTS

The following sections present the results of the physical inspection, field screening, and laboratory analysis.

4.1 ACBM Inspection Results

A material is defined by the EPA as being a regulated asbestos-containing material if it contains greater than one percent (1%) asbestos based on laboratory analysis. A material can only be considered negative if analytical results from all bulk samples of an individual homogeneous material indicate asbestos is 1% or less. Analytical results indicated that several materials sampled contain asbestos in concentrations greater than 1%.

Bulk samples were analyzed by PLM at our in-house laboratory located in Warwick, Rhode Island. Accreditation and certification documents for the laboratory are presented in Appendix A. Laboratory analysis of the bulk samples analyzed indicates that the following materials contain greater than 1% asbestos fibers:

Hard Fittings on Fiberglass Pipe Insulation - Throughout
9"x9" Tan Floor Tile – 1st Floor Hallway
9"x9" Green Floor Tile – 1st Floor Offices
Brown Linoleum – 1st. Floor Council on Aging Entryway
1'x1' White Floor Tile and Mastic – 2nd Floor Bathroom
Fire Curtain – Floor of Stage
Assumed Positive Incinerator – Boiler Room
Assumed Positive Small Fire Door – Basement Storage Room

RIAL observed an old incinerator in the boiler room and a small fire door in one of the storage closets in the basement. Although asbestos was not observed on or around these materials, RIAL has assumed that asbestos is present in the interior of them. Additionally, analysis of the window putty samples indicate that trace (<1%) amounts of asbestos is present. RIAL recommends a more stringent analysis of this material by Transmission Electron Microscopy (TEM) for confirmation of this materials asbestos content.

A summary of the asbestos laboratory analytical results is presented in Table 1 and the estimated ACBM abatement costs and quantities are presented in Table 3. Additionally, a copy of the laboratory PLM analytical report is provided in Appendix B.

4.2 LBP Screening Results

The 1995 HUD Guideline level of 0.5% or greater is used as an action level for identification of LBP coated surfaces. In general, the surfaces which were above the action level were the tan ceiling paint, the purple chair rail, the tan exterior siding, and the windows. A summary of the ICP laboratory analytical results is included in Table 2 and a copy of the laboratory analytical report is included as Attachment C.

4.3 Additional Hazardous Materials Results

During the inspection RIAL observed approximately 70 potential polychlorinated biphenyl (PCB) containing light ballasts and approximately 141 potential mercury-containing light tubes. RIAL also observed 3 275-gallon above ground storage tanks in the basement. Additionally, RIAL observed four mercury thermostats throughout the building. RIAL did not observe any other potential hazardous materials in the building at the time of the inspection.

5.0 SUMMARY

On December 5, 2003, an ACBM inspection, LBP screening, and a visual inventory of additional suspect hazardous materials was conducted. During the site visit, the description and location of each suspect ACBM, LBP, and additional suspect material observed was recorded.

A total of 51 bulk samples were collected from the buildings of suspect ACBM and submitted for laboratory analysis by PLM. A total of 37 of the samples were analyzed for asbestos content by PLM. In conducting the LBP screening, seven surfaces were analyzed for the presence of lead by ICP. In addition, RIAL observed approximately 70 PCB-containing light ballasts and approximately 141 potential mercury-containing light tubes.

Any demolition to be performed that would disturb ACBM must comply with state and federal regulatory standards. In accordance with 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAP), a contractor conducting any demolition that would disturb regulated ACBM must: (1) notify the EPA Administrator of such activities, (2) use proper removal procedures, (3) use proper engineering controls to limit emissions of asbestos fibers, and (4) utilize proper waste disposal.

In accordance with the NESHAP regulation, ACBM must be removed by a licensed asbestos abatement contractor prior to initiation of any building demolition or renovation activities. If any hidden suspect ACBM (behind walls, in chases, above unbroken plaster ceilings, etc.) is uncovered during demolition activities, work must be stopped and the material tested for asbestos content. All ACBM must be disposed of in accordance with all applicable state and federal requirements.

Under Occupational Safety and Health Administration (OSHA) regulations, any demolition to be performed at a structure where ACBM is present must be performed in accordance with a worker protection policy, including but not limited to: appropriate training, medical monitoring, respiratory protection, and other protective equipment.

OSHA does not define an acceptable quantity for lead based paint but measures the hazards based upon an Action Level of 30 ug/m^3 and a Permissible Exposure Limit in the air of 50 ug/m^3, no matter what level of lead is determined to be in the paint. These OSHA regulations must be followed during the renovation and construction of this site.

A contractor demolishing or renovating materials coated with lead paint, must comply with, at a minimum, the OSHA Lead in Construction Standard and the Massachusetts Department of Environmental Protection (DEP) and Resource Conservation Reclamation Act (RCRA) disposal requirements. This includes the collection and analysis of a Toxicity Characteristic Leaching Procedure (TCLP) sample per waste load taken off site or at the landfills request to ensure that the lead-containing materials in each load is below 5.0 milligrams per liter (mg/l) pursuant to 40 CFR 261.24. If the TCLP result is below 5.0 mg/L than the waste load may be considered general construction debris, assuming no other hazards exist. Should the TCLP result be above 5.0 mg/l, the waste load must be treated as a hazardous material and disposed of accordingly.

6.0 LIMITATIONS

All efforts were made to identify hidden and concealed hazardous materials. RIAL cannot be held responsible for the identification of hazardous materials that may be enclosed behind inaccessible locations. This report does not document compliance by present or past site owners with Local, State, or Federal laws and regulations, nor does it claim or imply that all ACBM past, present, potential, or otherwise, have been detected at the referenced site.

Observations documented in this report were made under the conditions existing at the time of this investigation. Should changes from existing conditions occur in the future warranting additional asbestos and/or lead analyses, they should be brought to the attention of RIAL for further investigation and documentation.

Table 1
Summary of Asbestos Laboratory Analytical Results
8 West Common Street
Topsfield, Massachusetts
Sampling Date: December 5, 2003

[illegible]	[illegible]	[illegible]	[illegible]	Description of Sample	Type of Asbestos	[illegible]
0312-17842 01	01 A	Basement		Fitting Insulation on Fiberglass	CHR	5-15
0312-17842 02	01 B	Basement		Fitting Insulation on Fiberglass		--
0312-17842 03	01 C	Basement		Fitting Insulation on Fiberglass		--
0312-17842 04	02 A	Basement	Boiler Room	Textured Plaster Ceiling		NAD
0312-17842 05	02 B	Basement	Boiler Room	Textured Plaster Ceiling		NAD
0312-17842 06	02 C	Basement	Boiler Room	Textured Plaster Ceiling		NAD
0312-17842 07	03 A	Basement	Records Storage 1	Spreay-on Ceiling Material		NAD
0312-17842 08	03 B	Basement	Records Storage 1	Spreay-on Ceiling Material		NAD
0312-17842 09	03 C	Basement	Records Storage 1	Spreay-on Ceiling Material		NAD
0312-17842 10	04 A	First	Hallway	9"x9" Tan Floor Tile	CHR	10-20
0312-17842 11	04 B	First	Hallway	9"x9" Tan Floor Tile		--
0312-17842 12	04 C	First	Hallway	9"x9" Tan Floor Tile		--
0312-17842 13	05 A	First	Hallway	9"x9" Tan Floor Tile Mastic		NAD
0312-17842 14	05 B	First	Hallway	9"x9" Tan Floor Tile Mastic		NAD
0312-17842 15	05 C	First	Hallway	9"x9" Tan Floor Tile Mastic		NAD
0312-17842 16	06 A	First	Collector/Treasurer	9"x9" Green Floor Tile (Under Carpet)	CHR	10-20
0312-17842 17	06 B	First	Collector/Treasurer	9"x9" Green Floor Tile (Under Carpet)		--
0312-17842 18	06 C	First	Council on Aging	9"x9" Green Floor Tile (Under Carpet)		--
0312-17842 19	07 A	First	Collector/Treasurer	9"x9" Green Floor Tile Mastic (Under Carpet)		NAD
0312-17842 20	07 B	First	Collector/Treasurer	9"x9" Green Floor Tile Mastic (Under Carpet)		NAD
0312-17842 21	07 C	First	Council on Aging	9"x9" Green Floor Tile Mastic (Under Carpet)		NAD
0312-17842 22	08 A	First	Collector/Treasurer	Tan Carpet Mastic		NAD
0312-17842 23	08 B	First	Collector/Treasurer	Tan Carpet Mastic		NAD
0312-17842 24	08 C	First	Council on Aging	Tan Carpet Mastic		NAD
0312-17842 25	09 A	First	Hallway	1'x1' Spline Ceiling Tile		NAD
0312-17842 26	09 B	First	Hallway	1'x1' Spline Ceiling Tile		NAD
0312-17842 27	09 C	First	Hallway	1'x1' Spline Ceiling Tile		NAD
0312-17842 28	10 A	First	Council on Aging	Plaster Wall		NAD
0312-17842 29	10 B	Third	Storage	Plaster Wall		NAD
0312-17842 30	10 C	Third	Hallway	Plaster Wall		NAD
0312-17842 31	11 A	First	Council on Aging Entry	Brown Linoleum	CHR	20-30
0312-17842 32	11 B	First	Council on Aging Entry	Brown Linoleum		--
0312-17842	11 C	First	Council on Aging Entry	Brown Linoleum		--

Table 1 (Continued)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0312-17842	34	12	A	First	Council on Aging Entry	Brown Linoleum Mastic		NAD
0312-17842	35	12	B	First	Council on Aging Entry	Brown Linoleum Mastic		NAD
0312-17842	36	12	C	First	Council on Aging Entry	Brown Linoleum Mastic		NAD
0312-17842	37	13	A	Second	Bathroom	1'x1' White Floor Tile	CHR	5-15
0312-17842	38	13	B	Second	Bathroom	1'x1' White Floor Tile		--
0312-17842	39	13	C	Second	Bathroom	1'x1' White Floor Tile		--
0312-17842	40	14	A	Second	Bathroom	1'x1' White Floor Tile Mastic	CHR	5-15
0312-17842	41	14	B	Second	Bathroom	1'x1' White Floor Tile Mastic		--
0312-17842	42	14	C	Second	Bathroom	1'x1' White Floor Tile Mastic		--
0312-17842	43	15	A	Second	Stage	White Fire Curtain	CHR	50-60
0312-17842	44	15	B	Second	Stage	White Fire Curtain		--
0312-17842	45	15	C	Second	Stage	White Fire Curtain		--
0312-17842	46	16	A	Attic		Window Putty		NAD
0312-17842	47	16	B	Attic		Window Putty	CHR	TR
0312-17842	48	16	C	Exterior		Window Putty	CHR	TR
0312-17842	49	17	A	First to Second	Stairway	Stair Tread Mastic		NAD
0312-17842	50	17	B	First to Second	Stairway	Stair Tread Mastic		NAD
0312-17842	51	17	C	First to Second	Stairway	Stair Tread Mastic		NAD

CHR Chrysotile Asbestos
PLM Polarized Light Microscopy
NAD No Asbestos Detected
- Not Analyzed
TR Trace Amounts of Asbestos Present (<1%) - Material is considered negative by PLM analysis

Table 2
Summary of ICP Laboratory Analytical Results
8 West Common Street
Topsfield, Massachusetts
Inspection Date: December 5, 2003

Lab ID	Field ID	Material Description	ICP Result (%)
0312-17846-001	LPC-1	White Brick Wall	0.020
0312-17846-002	LPC-2	Tan Plaster Wall	10.6
0312-17846-003	LPC-3	Grey Attic Window Sill	20.4
0312-17846-004	LPC-4	Purple Chair Rail	0.647
0312-17846-005	LPC-5	White Ceiling	0.034
0312-17846-006	LPC-6	Tan Exterior Siding (S. Side)	0.783
0312-17846-007	LPC-7	Red Window Trim	0.022

% - Percent lead by weight

Table 3
Estimated ACBM Abatement Costs and Quantities
8 West Common Street
Topsfield, Massachusetts
Sampling Date: December 5, 2003

Floor	Room	Description of Material	Estimated Quantity	Est. Abatement Costs
Throughout		Fitting Insulation on Fiberglass	200 Fittings	$ 3,000.00
First	Hallway	9"x9" Tan Floor Tile	650 SF	$ 975.00
First	Offices	9"x9" Green Floor Tile (Under Carpet)	2,500 SF	$ 3,750.00
First	Council on Aging Entry	Brown Linoleum	16 SF	$ 25.00
Second	Bathroom	1'x1' White Floor Tile and Mastic	310 SF	$ 620.00
Second	Stage	White Fire Curtain	1 Curtain (16' long)	$ 1,000.00
Basement	Boiler Room	Assumed Positive Incinerator	1	$ 1,000.00
Basement	Storage	Assumed Positive Small Fire Door	1	$ 100.00
Throughout		Potential PCB-Containing Light Ballasts	70	$ 250.00
Throughout		Potential Mercury-Containing Light Tubes	141	$ 100.00
Throughout		Potential Mercury-Containing Thermostats	4	$ 50.00
			Estimated Abatement Total	**$ 10,870.00**

APPENDIX A

Inspector and Laboratory Certifications

R.I. Analytical

Specialists in Environmental Services

William H. Hopper

009-48-8192

successfully completed the course and examination for

Asbestos Inspector Refresher

In Compliance with Requirements of Rhode Island DOH R-23-24.5-ASB and TSCA Title II MAP which meets the requirements of USEPA AHERA 40 CFR 763

90%	04/28/03
Exam Grade	Date of Exam
RI03060	04/28/04
Certificate Number	Expiration Date
04/28/03	04/28/03
Start of course	End of course

Daniel J. Simas

Occupational Training Manager

R.I. Analytical 40 Illinois Avenue Warwick, RI 02888

Tel: 401-737-8500 Email: dsimas@rianalytical.com

Commonwealth of Massachusetts

Division of Occupational Safety

Robert J. Prezioso, Deputy Director

Asbestos Inspector

WILLIAM HATHAWAY HOPPER

Eff. Date 11/18/02
Exp. Date 11/17/03
AI053300
Member of C.O.N.E.S.
80

03



BOSTON RENEW

Control No: 15476

THE COMMONWEALTH OF MASSACHUSETTS
Department of Labor and Workforce Development

Division of Occupational Safety

399 Washington Street, 5th Floor, Boston, Massachusetts 02108

CERTIFICATION FOR ASBESTOS ANALYTICAL SERVICES

R.I. ANALYTICAL LABORATORIES, INC.
41 ILLINOIS AVENUE
WARWICK RI 02888

LICENSE: **AA000028** EXPIRES: **Sunday, July 11, 2004**

IN ACCORDANCE WITH MGL CH. 149 § 6B AND 453 CMR 6.08 THIS CERTIFICATE IS ISSUED BY THE DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT, DIVISION OF OCCUPATIONAL SAFETY TO PROVIDE THE ASBESTOS ANALYTICAL SERVICES SPECIFICALLY LISTED BELOW:

CLASS C CERTIFICATE
CLASS A CERTIFICATE

Robert J. Prezioso, Deputy Director

MCI-1/97

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC 17025:1999
ISO 9002:1994

Certificate of Accreditation

RI ANALYTICAL LABORATORIES, INC.
WARWICK, RI

is recognized by the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria set forth in NIST Handbook 150:2001, all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994. Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

March 31, 2004
Effective through

C. D. Faison
For the National Institute of Standards and Technology

NVLAP Lab Code: 101440-0

NVLAP C (06-01)

APPENDIX B

PLM Laboratory Analytical Report

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Attn: Mr. William Hopper
131 Coolidge Street
Building 2, 1st Floor, Rear
Hudson, MA 01749

Date Received: 12/08/2003
Date Reported: 12/15/2003
Work Order #: 0312-17842

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

METHODOLOGY: Polarized Light Microscopy (PLM) as suggested by EPA/600/R-93/116, July 1993 edition.

If the samples are found to be inhomogeneous, individual components will be anlayzed separately. If individual components cannot be separated, the samples will be homogenized and a single result will be provided for the entire sample.

Sample results pertain only to items tested. The report must not be reproduced except in full with permission of R.I. Analytical. Samples submitted for analysis will be retained for three months for your future reference.

Our laboratory maintains NVLAP accreditation for bulk asbestos fiber analysis NVLAP lab code 101440-0.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.

Approved by:

Paul Perrotti
Data Reporting Manager

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17842
Site Location: PROJECT# 030563 TOPSFIELD TOWN HALL

Approved by: _____
R.I. Analytical

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS		DATE ANALYZED	ANALYST
001	01A	PLM FIBER ANALYSIS				
		ASBESTOS	POSITIVE		12/11/2003	KCS
		Chrysotile	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
002	01B (+) STOP TO 01A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 01A				
003	01C (+) STOP TO 01A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 01A				
004	02A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Animal Hair	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
005	02B (+) STOP TO 02A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Animal Hair	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
006	02C (+) STOP TO 02A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Animal Hair	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
007	03A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	White		12/11/2003	KCS
008	03B (+) STOP TO 03A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	White		12/11/2003	KCS
009	03C (+) STOP TO 03A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	White		12/11/2003	KCS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17842
Site Location:PROJECT# 030563 TOPSFIELD TOWN HALL

Approved by: _____
R.I. Analytical

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS		DATE ANALYZED	ANALYS
010	04A	PLM FIBER ANALYSIS				
		ASBESTOS	POSITIVE		12/11/2003	KCS
		Chrysotile	10-20	%	12/11/2003	KCS
		Non-fibrous	80-90	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
011	04B (+) STOP TO 04A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 04A				
012	04C (+) STOP TO 04A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 04A				
013	05A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	3-5	%	12/11/2003	KCS
		Non-fibrous	95-97	%	12/11/2003	KCS
		Sample Color	Black		12/11/2003	KCS
014	05B (+) STOP TO 05A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	3-5	%	12/11/2003	KCS
		Non-fibrous	95-97	%	12/11/2003	KCS
		Sample Color	Black		12/11/2003	KCS
015	05C (+) STOP TO 05A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	3-5	%	12/11/2003	KCS
		Non-fibrous	95-97	%	12/11/2003	KCS
		Sample Color	Black		12/11/2003	KCS
016	06A	PLM FIBER ANALYSIS				
		ASBESTOS	POSITIVE		12/11/2003	KCS
		Chrysotile	10-20	%	12/11/2003	KCS
		Non-fibrous	80-90	%	12/11/2003	KCS
		Sample Color	Green		12/11/2003	KCS
017	06B (+) STOP TO 06A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 06A				
018	06C (+) STOP TO 06A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 06A				

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17842
Site Location:PROJECT# 030563 TOPSFIELD TOWN HALL

Approved by: _____
R.I. Analytical

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS		DATE ANALYZED	ANALYST
019	07A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	3-5	%	12/11/2003	KCS
		Non-fibrous	95-97	%	12/11/2003	KCS
		Sample Color	Black		12/11/2003	KCS
020	07B (+) STOP TO 07A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Glass Fiber	3-5	%	12/11/2003	KCS
		Non-fibrous	95-97	%	12/11/2003	KCS
		Sample Color	Black		12/11/2003	KCS
021	07C (+) STOP TO 07A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	3-5	%	12/11/2003	KCS
		Non-fibrous	95-97	%	12/11/2003	KCS
		Sample Color	Black		12/11/2003	KCS
022	08A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
023	08B (+) STOP TO 08A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
024	08C (+) STOP TO 08A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
025	09A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	30-40	%	12/11/2003	KCS
		Glass Fiber	30-40	%	12/11/2003	KCS
		Non-fibrous	20-40	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
026	09B (+) STOP TO 09A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	30-40	%	12/11/2003	KCS
		Glass Fiber	30-40	%	12/11/2003	KCS
		Non-fibrous	20-40	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17842
Site Location: PROJECT# 030563 TOPSFIELD TOWN HALL

Approved by: _____
R.I. Analytical

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS	UNITS	DATE ANALYZED	ANALYST
027	09C (+) STOP TO 09A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Cellulose	30-40	%	12/11/2003	KCS
		Glass Fiber	30-40	%	12/11/2003	KCS
		Non-fibrous	20-40	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
028	10A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Animal Hair	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
029	10B (+) STOP TO 10A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Animal Hair	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
030	10C (+) STOP TO 10A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Animal Hair	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
031	11A	PLM FIBER ANALYSIS				
		ASBESTOS	POSITIVE		12/11/2003	KCS
		Chrysotile	20-30	%	12/11/2003	KCS
		Non-fibrous	70-80	%	12/11/2003	KCS
		Sample Color	Gray		12/11/2003	KCS
032	11B (+) STOP TO 11A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 11A				
033	11C (+) STOP TO 11A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 11A				
034	12A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Yellow		12/11/2003	KCS
035	12B (+) STOP TO 12A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Yellow		12/11/2003	KCS

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17842
Site Location:PROJECT# 030563 TOPSFIELD TOWN HALL

Approved by: _____
R.I. Analytical

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS		DATE ANALYZED	ANALYST
036	12C (+) STOP TO 12A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Yellow		12/11/2003	KCS
037	13A	PLM FIBER ANALYSIS				
		ASBESTOS	POSITIVE		12/11/2003	KCS
		Chrysotile	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
038	13B (+) STOP TO 13A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 13A				
039	13C (+) STOP TO 13A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 13A				
040	14A	PLM FIBER ANALYSIS				
		ASBESTOS	POSITIVE		12/11/2003	KCS
		Chrysotile	5-15	%	12/11/2003	KCS
		Non-fibrous	85-95	%	12/11/2003	KCS
		Sample Color	Black		12/11/2003	KCS
041	14B (+) STOP TO 14A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 14A				
042	14C (+) STOP TO 14A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 14A				
043	15A	PLM FIBER ANALYSIS				
		ASBESTOS	POSITIVE		12/11/2003	KCS
		Chrysotile	50-60	%	12/11/2003	KCS
		Cellulose	10-20	%	12/11/2003	KCS
		Non-fibrous	20-40	%	12/11/2003	KCS
		Sample Color	White		12/11/2003	KCS
044	15B (+) STOP TO 15A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 15A				
45	15C (+) STOP TO 15A	PLM FIBER ANALYSIS				
		+ STOP TO SAMPLE 15A				

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17842
Site Location: PROJECT# 030563 TOPSFIELD TOWN HALL

Approved by: _____
R.I. Analytical

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS		DATE ANALYZED	ANALYST
046	16A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
047	16B (+) STOP TO 16A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Chrysotile	<1	%	12/11/2003	KCS
		Non-fibrous	>99	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
		TEM analysis recommended.				
048	16C (+) STOP TO 16A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Chrysotile	<1	%	12/11/2003	KCS
		Non-fibrous	>99	%	12/11/2003	KCS
		Sample Color	Tan		12/11/2003	KCS
		TEM analysis recommended.				
049	17A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Brown		12/11/2003	KCS
050	17B (+) STOP TO 17A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Brown		12/11/2003	KCS
051	17C (+) STOP TO 17A	PLM FIBER ANALYSIS				
		ASBESTOS	NEGATIVE		12/11/2003	KCS
		Non-fibrous	100	%	12/11/2003	KCS
		Sample Color	Brown		12/11/2003	KCS

Copy Original (Accompanies Samples) — Yellow — Sample Custody — Pink Copy – Client Copy

R.I. Analytical Laboratories, Inc.

131 Coolidge St., Bldg. 2 • Hudson, MA 01749 • 888-228-3334
41 Illinois Avenue • Warwick, RI 02888 • 800-937-2580

CHAIN OF CUSTODY RECORD

Page 1 of 10

Container Type Codes:	Preservative Codes:	Matrix Codes:
P = Plastic V = Vial G = Glass O = Other (list)	NP = Non preserved I = Iced, 4°C O = Other (list)	A = Air B = Bulk/Solid O = Other (list)

Date Collected	Time Collected	(Field Use) Bldg.	Floor	Room	Laboratory Sample Identification: Field No.	Laboratory Sample Description	G = Grab C = Comp.	Container # + Code	Preserve Code	Matrix Code	Analyses Requested
12/5/03	10:00	Topsfield Town Hall	Basement	–	01A	Fitting Insulation on Fiberglass	G	1 P, V	NP	Bulk	Asbestos, bulk (by PLM)
					01B						
				Boiler Room	01C						
					02A	Textured plaster ceiling					
					02B						
					02C						
				Records Storage-1	03A	Spray-on ceiling material					
					03B						
					03C						

Client Information

Company Name:	EAM – North, R. I. Analytical Laboratories
Address:	131 Coolidge Street, Bldg. 2
City / State / Zip:	Hudson, MA 01749
Telephone:	978-568-0041 Fax: 978-568-0078
Contact Person:	William H. Hopper – Senior Project Manager

Project Information

Project Name:	Topsfield Town Hall
P.O. Number:	Project Number: 030563
Report To:	William Hopper Phone: 978-568-0041 Fax: 978-568-0078
Sampled by:	WH Email address: whopper@rianalytical.com
Quote No:	

Relinquished by:	Date	Time	Received by:	Date	Time
William Hopper	12-8-03	16 45	EASTERN CONNECTION	12-8-03	16 45
EASTERN CONNECTION	12-8-03	16:45	Kristen Neyo	12-8-03	16:45
	*	18:30 KN 12/9		* 18:30 KN 12/9	

Turn Around Time:

✓	Normal	X	EMAIL Report
	5 business days. Surcharges may apply.		
	Rush _____ (business days)		

Project Comments

Use pos. stops *Time noted on pg's 2→6 of COC. KN 12/9/03

Samples are retained within the lab for a period of three months, after which they are disposed of at an EPA-approved asbestos landfill. If the client wishes to retain samples after analysis, requests must be made before the expiration of the three-month period.

Lab Use Only

	Sample Pick Up Only
	RIAL sampled
	Shipped on ice
Workorder No:	0312-1842

R.I. Analytical Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

Container Type Codes:	Preservative Codes:	Matrix Codes:
P = Plastic V = Vial G = Glass O = Other (list)	NP = Non preserved I = Iced, 4°C O = Other (list)	A = Air B = Bulk/Solid O = Other (list)

Date Collected	Time Collected	(Field Use) Bldg.	Floor	Room	Laboratory Sample Identification: Field No.	Laboratory Sample Description	G = Grab C = Comp.	Container # + Code	Preserve Code	Matrix Code	Analyses Requested
12/5/03	10:30	Topsfield Town Hall	1	Hallway	04A	9x9 Tan Floor Tile	G	1 P, V	NP	Bulk	Asbestos, bulk (by PLM)
					04B						
					04C						
					05A	9x9 Tan Floor tile mastic					
					05B						
					05C						
				Collector/ Treasurer	06A	9x9 Green Floor tile under carpet					
					06B						
				Conservation Agent	06C						

Client Information

Company Name:	EAM – North, R. I. Analytical Laboratories
Address:	131 Coolidge Street, Bldg. 2
City / State / Zip:	Hudson, MA 01749
Telephone:	978-568-0041 Fax: 978-568-0078
Contact Person:	William H. Hopper – Senior Project Manager

Project Information

Project Name:	Topsfield Town Hall
P.O. Number:	Project Number: 030563
Report To:	William Hopper Phone: 978-568-0041 Fax: 978-568-0078
Sampled by:	WH Email address: whopper@rianalytical.com
Quote No:	

Relinquished by:	Date	Time	Received by:	Date	Time
William Hopper	12-8-03	1645	EASTERN CONNECTION	12-8-03	1645
EASTERN CONNECTION	12/8/03	1830	Winston Mello	12/8/03	1830

Turn Around Time:

- ✓ Normal | X | EMAIL Report
- 5 business days. Surcharges may apply.
- Rush _____ (business days)

Project Comments

use pos stops

Samples are retained within the lab for a period of three months, after which they are disposed of at an EPA-approved asbestos landfill. If the client wishes to retain samples after analysis, requests must be made before the expiration of the three-month period.

Lab Use Only

- Sample Pick Up Only
- RIAL sampled
- Shipped on ice

Workorder No: 0312-1842

R. I. Analytical Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

Container Type Codes:	Preservative Codes:	Matrix Codes:
P = Plastic V = Vial G = Glass O = Other (list)	NP = Non preserved I = Iced, 4°C O = Other (list)	A = Air B = Bulk/Solid O = Other (list)

Date Collected	Time Collected	(Field Use) Bldg.	Floor	Room	Laboratory Sample Identification: Field No.	Laboratory Sample Description	G = Grab C = Comp.	Container # + Code	Preserve Code	Matrix Code	Analyses Requested
12/5/03	11:30	Topsfield Town Hall	1	Collector/ Treasurer	07A	9x9 Green Floor tile mastic	G	1 P, V	NP	Bulk	Asbestos, bulk (by PLM)
				↓	07B	↓					
				Council on Aging	07C	↓					
				Collector/ Treasurer	08A	Tan Carpet mastic					
				↓	08B	↓					
				Council on Aging	08C	↓					
				Hallway	09A	1x1 spline ceiling tile					
				↓	09B	↓					
				↓	09C	↓					

Client Information

Company Name:	EAM – North, R. I. Analytical Laboratories
Address:	131 Coolidge Street, Bldg. 2
City / State / Zip:	Hudson, MA 01749
Telephone:	978-568-0041 Fax: 978-568-0078
Contact Person:	William H. Hopper – Senior Project Manager

Project Information

Project Name:	Topsfield Town Hall
P.O. Number:	Project Number: 030563
Report To:	William Hopper Phone: 978-568-0041 Fax: 978-568-0078
Sampled by:	WH Email address: whopper@rianalytical.com
Quote No:	

Relinquished by:	Date	Time	Received by:	Date	Time
William Hopper	12-5-03	1645	EASTERN CONNECTION	12-5-03	1645
EASTERN CONNECTION	12/8/03	1830	Kristen Mello	12/8/03	1830

Turn Around Time:

- ✓ Normal | X | EMAIL Report
- 5 business days. Surcharges may apply.
- Rush _____ (business days)

Project Comments

Use POS. Stops.

Samples are retained within the lab for a period of three months, after which they are disposed of at an EPA-approved asbestos landfill. If the client wishes to retain samples after analysis, requests must be made before the expiration of the three-month period.

Lab Use Only

- Sample Pick Up Only
- RIAL sampled
- Shipped on ice

Workorder No: 0312-1842

R.I. Analytical Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

Page 4 of 6

Container Type Codes:	Preservative Codes:	Matrix Codes:
P = Plastic V = Vial G = Glass O = Other (list)	NP = Non preserved I = Iced, 4°C O = Other (list)	A = Air B = Bulk/Solid O = Other (list)

Date Collected	Time Collected	(Field Use) Bldg.	Floor	Room	Laboratory Sample Identification: Field No.	Laboratory Sample Description	G = Grab C = Comp.	Container # + Code	Preserve Code	Matrix Code	Analyses Requested
12/5/03	12:00	Topsfield Town Hall	1	Council on Aging	10A	plaster wall	G	1 P, V	NP	Bulk	Asbestos, bulk (by PLM)
			3	Storage	10B	↓					
			3	Hall	10C	↓					
			1	Council on Aging Entry	11A	Brown Linoleum					
					11B	↓					
					11C	↓					
					12A	Brown Linoleum mastic					
					12B	↓					
↓	↓	↓	↓	↓	12C	↓	↓	↓	↓	↓	↓

Client Information

Company Name:	EAM – North, R. I. Analytical Laboratories
Address:	131 Coolidge Street, Bldg. 2
City / State / Zip:	Hudson, MA 01749
Telephone:	978-568-0041 Fax: 978-568-0078
Contact Person:	William H. Hopper – Senior Project Manager

Project Information

Project Name:	Topsfield Town Hall
P.O. Number:	Project Number: 0305163
Report To:	William Hopper Phone: 978-568-0041 Fax: 978-568-0078
Sampled by:	WHH Email address: whopper@rianalytical.com
Quote No:	

Relinquished by:	Date	Time	Received by:	Date	Time
William Hopper	12-8-03	1645	EASTERN CONNECTION	12-8-03	1645
EASTERN CONNECTION	12/8/03	1830	Kristen Mello	12/8/03	1830

Turn Around Time:

- ✓ Normal | X | EMAIL Report
- 5 business days. Surcharges may apply.
- Rush _____ (business days)

Project Comments

Use Pos. Stops.

Samples are retained within the lab for a period of three months, after which they are disposed of at an EPA-approved asbestos landfill. If the client wishes to retain samples after analysis, requests must be made before the expiration of the three-month period.

Lab Use Only

- Sample Pick Up Only
- RIAL sampled
- Shipped on ice

Workorder No: 0312-1784 2

R. I. Analytical Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

Container Type Codes:	Preservative Codes:	Matrix Codes:
P = Plastic V = Vial G = Glass O = Other (list)	NP = Non preserved I = Iced, 4°C O = Other (list)	A = Air B = Bulk/Solid O = Other (list)

Date Collected	Time Collected	(Field Use) Bldg.	Floor	Room	Laboratory Sample Identification: Field No.	Laboratory Sample Description	G = Grab C = Comp.	Container # + Code	Preserve Code	Matrix Code	Analyses Requested
12/5/03	13:00	Topsfield Town Hall	2	Bathroom	13A	1x1 white floor tile	G	1 P, V	NP	Bulk	Asbestos, bulk (by PLM)
					13B						
					13c						
					14A	1x1 white floor tile mastic					
					14B						
					14C						
				Stage	15A	Five Container					
					15B						
					15c						

Client Information

Company Name:	EAM – North, R. I. Analytical Laboratories
Address:	131 Coolidge Street, Bldg. 2
City / State / Zip:	Hudson, MA 01749
Telephone:	978-568-0041 Fax: 978-568-0078
Contact Person:	William H. Hopper – Senior Project Manager

Project Information

Project Name:	Topsfield Town Hall
P.O. Number:	Project Number: 032563
Report To:	William Hopper Phone: 978-568-0041 Fax: 978-568-0078
Sampled by:	Email address: whopper@rianalytical.com
Quote No:	

Relinquished by:	Date	Time	Received by:	Date	Time
William Hopper	12.8.03	16 45	EASTERN CONNECTION	12-8-03	1645
EASTERN CONNECTION	12/8/03	1830	Kristen Mello	12/8/03	1830

Turn Around Time:

- ✓ Normal | X | EMAIL Report
- 5 business days. Surcharges may apply.
- Rush _____ (business days)

Project Comments:

Use POS Stops

Samples are retained within the lab for a period of three months, after which they are disposed of at an EPA-approved asbestos landfill. If the client wishes to retain samples after analysis, requests must be made before the expiration of the three-month period.

Lab Use Only

- Sample Pick Up Only
- RIAL sampled
- Shipped on ice

Workorder No 0312-N842

R.I. Analytical Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes:	Preservative Codes:	Matrix Codes:
P = Plastic V = Vial G = Glass O = Other (list)	NP = Non preserved I = Iced, 4°C O = Other (list)	A = Air B = Bulk/Solid O = Other (list)

Date Collected	Time Collected	(Field Use) Bldg.	Floor	Room	Laboratory Sample Identification: Field No.	Laboratory Sample Description	G = Grab C = Comp.	Container # + Code	Preserve Code	Matrix Code	Analyses Requested
12/5/03	14:00	Topsfield Town Hall	Attic	Attic	16A	Window putty	G	1 P, V	NP	Bulk	Asbestos, bulk (by PLM)
			↓	↓	16B						
				Exterior	16C						
			1-2	Stairs	17A	Stair Tread Mastic					
			↓	↓	17B	↓					
			↓	↓	17C						
↓	↓	↓									

Client Information

Company Name:	EAM – North, R. I. Analytical Laboratories
Address:	131 Coolidge Street, Bldg. 2
City / State / Zip:	Hudson, MA 01749
Telephone:	978-568-0041 Fax: 978-568-0078
Contact Person:	William H. Hopper – Senior Project Manager

Project Information

Project Name:	Topsfield Town Hall
P.O. Number:	Project Number: 030563
Report To:	William Hopper Phone: 978-568-0041 Fax: 978-568-0078
Sampled by:	WHH Email address: whopper@rianalytical.com
Quote No:	

Relinquished by:	Date	Time	Received by:	Date:	Time:
William Hopper	12-5-03	1645	EASTERN CONNECTION	12-5-03	1645
EASTERN CONNECTION	12/8/03	1830	Kristen Mello	12/8/03	1830

Turn Around Time:

- ✓ Normal | X | EMAIL Report
- 5 business days. Surcharges may apply.
- Rush _____ (business days)

Project Comments:

Use Pos. Stops.

Samples are retained within the lab for a period of three months, after which they are disposed of at an EPA-approved asbestos landfill. If the client wishes to retain samples after analysis, requests must be made before the expiration of the three-month period.

Lab Use Only:

- Sample Pick Up Only
- RIAL sampled
- Shipped on ice

Workorder No: 0312-1842

APPENDIX C

ICP Laboratory Analytical Report

R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Attn: Mr. William Hopper
131 Coolidge Street
Building 2, 1st Floor, Rear
Hudson, MA 01749

Date Received: 12/08/2003
Date Reported: 12/16/2003
P.O. #: 030563
Work Order # 0312-17846

DESCRIPTION: PROJECT# 030563 TOPSFIELD TOWN HALL

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies and all NELAC requirements were met. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

Paul Perrotti
Data Reporting Manager

enc: Chain of Custody

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17846

Approved by: R.I. Analytical

Sample # 001
SAMPLE DESCRIPTION: LPC-1 WHITE BRICK WALL
SAMPLE TYPE: GRAB
SAMPLE DATE/TIME: 12/05/2003 @ 12:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL METALS						
LEAD	0.020	0.004	%	SW-846 6010	12/15/2003	JNB

Sample # 002
SAMPLE DESCRIPTION: LPC-2 TAN PLASTER WALL
SAMPLE TYPE: GRAB
SAMPLE DATE/TIME: 12/05/2003 @ 12:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL METALS						
LEAD	10.6	0.002	%	SW-846 6010	12/16/2003	JNB

Sample # 003
SAMPLE DESCRIPTION: LPC-3 GREY ATTIC WINDOW SILL
SAMPLE TYPE: GRAB
SAMPLE DATE/TIME: 12/05/2003 @ 12:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL METALS						
LEAD	20.4	0.002	%	SW-846 6010	12/16/2003	JNB

Sample # 004
SAMPLE DESCRIPTION: LPC-4 PURPLE CHAIR RAIL
SAMPLE TYPE: GRAB
SAMPLE DATE/TIME: 12/05/2003 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL METALS						
LEAD	0.647	0.010	%	SW-846 6010	12/15/2003	JNB

Sample # 005
SAMPLE DESCRIPTION: LPC-5 WHITE CEILING
SAMPLE TYPE: GRAB
SAMPLE DATE/TIME: 12/05/2003 @ 13:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL METALS						
LEAD	0.034	0.002	%	SW-846 6010	12/15/2003	JNB

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

EAM Northern Territory
Date Received: 12/08/2003
Work Order #: 0312-17846

Approved by: _____
R.I. Analytical

Sample # 006
SAMPLE DESCRIPTION: LPC-6 TAN EXTERIOR SIDING (S. SIDE)
SAMPLE TYPE: GRAB **SAMPLE DATE/TIME:** 12/05/2003 @ 14:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL METALS						
LEAD	0.783	0.005	%	SW-846 6010	12/16/2003	JNB

Sample # 007
SAMPLE DESCRIPTION: LPC-7 RED WINDOW TRIM
SAMPLE TYPE: GRAB **SAMPLE DATE/TIME:** 12/05/2003 @ 14:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL METALS						
LEAD	0.022	0.007	%	SW-846 6010	12/15/2003	JNB

ite Copy Original (Accompanies Samples) Yello.. .opy – Sample Collector Pink Copy – Client's Copy

R.I. Analytical Laboratories, Inc.

41 Illinois Avenue
Warwick, RI 02888
Phone: 800-937-2580
Fax: 401-738-1970

131 Coolidge Street, Bldg. 2
Hudson, MA 01749
Phone: 888-228-3334
Fax: 978-568-0078

CHAIN OF CUSTODY RECORD

Page 1 of 1

Container Type Codes: P = Plastic, V = Vial, G = Glass, St = Sterile, AG = Amber Glass, O = Other (describe)

Preservative Codes: NP = Non preserved, S = Sulfuric, I = Cooled 4°C, H = HCl, N = Nitric, SH = NaOH, M = Methanol, SB = $NaHSO_4$

Matrix Codes: GW = Groundwater, S = Soil, WW = Wastewater, Sl = Sludge, DW = Potable Water, A = Air, O = Other (describe), B = Bulk/Solid

Date Collected	Time Collected	Sample ID	G = Grab C = Comp	Containers # + Code	Preservative Code	Matrix Code	Analyses Requested
12/5/03	12:00	LPC-1 White Brick wall	G	Vial	NP	Bulk	* Lead
	12:30	LPC-2 Tan Plaster wall					
	12:30	LPC-3 - Gray Attic window sill					
	13:00	LPC-4 - Purple chair rail					
	13:30	LPC-5 White ceiling					
	14:30	LPC-6 Tan exterior siding (S. Side)					
	14:30	LPC-7 Red window trim					

Client Information

Company Name: EAM – North, R. I. Analytical Laboratories
Address: 131 Coolidge Street, Bldg. 2
City / State / Zip: Hudson, MA 01749
Telephone: 978-568-0041 Fax: 978-568-0078
Contact Person: William H. Hopper – Senior Project Manager

Project Information

Project Name: Topsfield Town Hall
P.O. Number: Project Number: 030563
Report To: William Hopper Phone: 978-568-0041 Fax: 978-568-0078
Sampled by: WH Email address: whopper@rianalytical.com
Quote No:

Relinquished by:	Date	Time	Received by:	Date	Time
William Hopper	12-8-03	16:45	EASTERN CONNECTION	12-8-03	16:45
EASTERN CONNECTION	12/8/03	1830	Kristen Mello	12/8/03	1830

Turn Around Time

- ✓ Normal — X — EMAIL Report
- 5 business days Surcharges may apply.
- Rush _____ (business days)

Project Comments

* Per Bill Hopper 12-9-03 (CH)

Lab Use Only

- Sample Pick Up Only
- RIAL sampled; attach field hours
- Shipped on ice

Workorder No: 0312-1846