

**CERTIFICATE OF ANALYSIS**

**Client:** Washington Metropolitan Area Transit Authority  
**Address:** 3101 Eisenhower Avenue  
Alexandria, Virginia 22314  
**Job Name:** Royal Street Division  
**Job Location:** IRPG - 2nd Floor  
**Job Number:** Not Provided  
**P.O. Number:** Not Provided  
**Chain Of Custody:** 138235  
**Date Analyzed:** 5/24/2005  
**Person Submitting:** Carlo Grano

**Attention:** Carla Grano

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**Summary of Polarized Light Microscopy**

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0540493	RAD2	NAD	--	--	--	--	--	--	--	--	--	100	Black	Homogeneous	CK	
0540494	RAD3A	NAD	--	--	--	--	--	--	--	--	--	100	Off-White	Homogeneous	CK	
0540495	RAD3B	NAD	--	--	--	--	--	--	--	--	TR	100	Gray	Homogeneous	CK	
0540496	RAD4A	2	2	--	--	--	--	--	--	--	--	98	Off-White	Homogeneous	CK	
0540497	RAD4B	NAD	--	--	--	--	--	--	--	--	--	100	Beige	Homogeneous	CK	
0540498	RAD5A	2	2	--	--	--	--	--	--	--	TR	98	Off-White	Homogeneous	CK	
0540499	RAD5B	NAD	--	--	--	--	--	--	--	--	--	100	Beige	Homogeneous	CK	
0540500	RAD6A	2	2	--	--	--	--	--	--	--	2	96	Off-White	Homogeneous	CK	
0540501	RAD6B	NAD	--	--	--	--	--	--	TR	--	--	100	Gray	Homogeneous	CK	

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AIHA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

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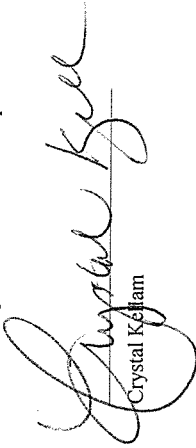
The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

- 1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy.
- 2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected"

TR = "Trace equals less than 1% of this component"



Crystal Kellam



# AMA Analytical Services, Inc.

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4475 Forbes Blvd. • Lanham, MD 20706  
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www.amalab.com

## CHAIN OF CUSTODY

(Please Refer To This  
Number For Inquiries)

138053

### Mailing/Billing Information:

- Client Name: WMATA/ENSV
- Address 1: 3101 EISENHOWER AVE
- Address 2: ALEXANDRIA, VA 22314
- Address 3:
- Phone #: 202-962-5077 Fax #: 202-962-5120

### Submittal Information:

- Job Name: RONAL STREET DIVISION
- Job Location: 1RPG - 2ND FLOOR
- Job #:
- Contact Person: CARLA GRANO @ phone # 202-962-5077
- Submitted by: CARLA GRANO Signature: [Signature]

### Reporting Information (Results will be provided as soon as technically feasible):

- Please include COC/field data sheets with results  
Date & Time Results Required: 5/24/05 @ NOON ☐ Immd. ☐ 24hr ☒ 48hr ☐ 72hr ☐ 5 Day + ☐ Immd. After-Hours\* ☐ 24hr After-Hours\* ☐ Late-Night\* (\*must be pre-scheduled)  
☐ Verbal:                      @ cell #                      ☒ Fax Copy: CARLA @ fax # 202-962-5120 ☐ Email Copy:                      @

### Asbestos Analysis

PCM Air - Please Indicate Filter Type:

- ☐ PC MCE Porosity                      in a 25mm 37mm  
☐ NIOSH 7400                      (QTY)  
☐ Fiberglass                      (QTY)

TEM Air - Please Indicate Filter Type:

- ☐ PC MCE Porosity                      in a 25mm 37mm  
☐ AHERA                      (QTY)  
☐ NIOSH 7402                      (QTY)  
☐ Other (specify)                      (QTY)

PLM Bulk

- ☒ EPA 600 - Visual Estimate                      (QTY)  
☐ EPA Point Count                      (QTY)  
☐ NY State Friable                      (QTY)  
☐ Grav. Reduction ELAP 198.1                      (QTY)  
☐ Other (specify)                      (QTY)

### TEM Bulk

- ☐ ELAP 198.4/Chatfield                      (QTY)  
☐ NY State PLM/TEM                      (QTY)  
☐ Residual Ash                      (QTY)

### TEM Dust

- ☐ Qual. (pres/abs) Vacuum/Dust                      (QTY)  
☐ Quan. (s/area) Vacuum D5755-95                      (QTY)  
☐ Quan. (s/area) Dust D6480-99                      (QTY)

### TEM Water

- ☐ Qual. (pres/abs)                      (QTY)  
☐ ELAP 198.2/EPA 100.2                      (QTY)  
☐ EPA 100.1                      (QTY)

☐ All samples received in good condition unless otherwise noted.  
(TEM Water samples                      °C)

### Lead Analysis

- ☐ Paint Chip                      (QTY)  
☐ Dust Wipe (wipe type                     )                      (QTY)  
☐ Air                      (QTY)

### Soil/Solid

- ☐ TCLP                      (QTY)  
☐ Drinking Water                      (QTY)  
☐ Waste Water                      (QTY)  
☐ Dust Wipe Furnace (wipe type                     )                      (QTY)

### Mold - Direct Microscopic Analysis

- ☐ Spore-Trap                      (QTY) ☐ Bulk                      (QTY)  
☐ Surface Swab                      (QTY) ☐ Surface Vacuum Dust                      (QTY)  
☐ Surface Tape                      (QTY) ☐ Other (Specify)                      (QTY)

### SAMPLE INFORMATION

CLIENT ID NUMBER

SAMPLE LOCATION/ IDENTIFICATION

VOLUME (LITERS)

WIPE AREA

DATE

5/20/05

LOUNGE

LOUNGE

LOUNGE

LOBBY

LOBBY

DEPOT

DEPOT

SUPV OFFICE

SUPV OFFICE

### ANALYSIS

PCM

PLM

LEAD

MOLD

AIR

BULK

DUST

WATER AND OTHER

SPORE TRAP

TAPE

SWAB

### CLIENT CONTACT

(LABORATORY STAFF ONLY)

Date/Time:                      By:                     

Date/Time:                      By:                     

Date/Time:                      By:                     

### LABORATORY STAFF ONLY: (CUSTODY)

- Date/Time RCVD: 5/20/05 @ 12:00 Via: DD By (Print): Gruen Sign: [Signature]
- Date/Time Analyzed:                      @                      By (Print):                      Sign:
- Results Reported To:                      Via:                      Date:                      Time:
- Comments:

# ROYAL STREET

RADIATOR DEMO - plaster behind  
sampled North to South

~~RAD 1A~~ } no  
~~RAD 1B~~ } plaster

~~RAD 2A~~ - black adhesive  
~~RAD 2B~~ (no plaster)

RAD 3A - finish coat

RAD 3B - scratch coat

RAD 4A - finish coat

RAD 4B - scratch coat

RAD 5A - finish coat

RAD 5B - scratch coat

~~RAD 6A~~ - finish coat

~~RAD 6B~~ - scratch coat

operators  
lounge  
2nd fl

fare purchase  
lossy 2nd fl

depot office  
2nd fl

supr office  
2nd fl

