



CAROLINA ENVIRONMENTAL, INC.

**CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS**

107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

A624591. A624730

Client: <u>WTR Consulting Engineers, LLC</u>		Project Manager: <u>Matt Warner</u>	
Address: <u>2040 E. Lyndale Helena, MT 59601</u>		Phone: <u>406-441-4000</u>	
Email: <u>mlwarner@wtrconsulting.com</u>		Fax: <u>406-441-4001</u>	
PO # :		ASBESTOS	
PROJECT DESCRIPTION	PROJECT CODE	LEAD PAINT	
		PLM Bulk	Other Analysis
<u>Asbestos Inspection</u>	<u>07912-1.1</u>	<input checked="" type="checkbox"/>	PLM Point Count
		<input type="checkbox"/>	PLM Gravimetric
		<input type="checkbox"/>	PCM Air
		<input type="checkbox"/>	TEM Bulk
		<input type="checkbox"/>	TEM Air
		<input type="checkbox"/>	Lead Paint
		<input type="checkbox"/>	Lead Wipe
		<input type="checkbox"/>	Lead Soil
		<input type="checkbox"/>	Lead Air
		5 DAYS	
		3 DAYS	
		48 HOURS	
		24 HOURS	
		4 HOURS	
		CLIENT ID#	
REMARKS: <u>Please see results to troberts@wtrconsulting.com</u>			
Relinquished By: <u>[Signature]</u>	Date / Time: <u>6-25-07 15:30 p</u>	Received By: <u>[Signature]</u>	Date / Time: <u>6/27/07 9:00 am</u>

Samples will be disposed of 30 days after analysis, unless otherwise requested.



CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

Client: WTR Consulting Engineers, LLC
 Project: HHA Asbestos - Dowling Architects.
 Address: 204 E. Lyndale
 City, State: Helena, MT 59601
 Date: 6-21-07
 Collector: ~~Tim~~ Roberts
 Project #: 05912-1.1

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
92 93 94 95 96 97 98 99	S3.1 A B C	#428 - Kitchen 2x4' ceiling tile 1/4" foam		Bulk	
01 02 03 04 05 06	M.1.1 A B C	#109 - Bedroom - wall renovation GWRB - painted white 2x4' ceiling tile, 1/8" texture			
600	M.1.2 A	#432 - Throughout 300g/400g GWRB - painted white			
	B				
	C				
	D				
	E				
	F	#418 - Throughout			
	G				

FT= Floor Tile CT= Ceiling Tile WLBRD = Wallboard JC= Joint Compound CLSPRY = Ceiling Spray On

GWRB = Gypsum Wallboard



CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

Client:	Date:
Project:	Collector:
Address:	Project #:
City, State:	

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
07 M1.2H	↓	GWB - white		Bulk	
08 I	#496 - Throughout				
09 J					
10 K					
11 M1.3A	*223 behind M2.1 Plaster	Plaster			
12 B	↓				
13 C					
14 EX.1A	#101 - Utility Room	Ceramic tile (9x9) Grout			
15 B					
16 C					
17 D	#223 - Utility Rm				
18 E					
19 F					
20 G	#118 - Utility Rm				
21 H					
22 I					

FT= Floor Tile CT= Ceiling Tile WLRD = Wallboard JC= Joint Compound CLSPRY = Ceiling Spray On



CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

A07.5233

Client:	Date:
Project:	Collector:
Address:	Project #:
City, State:	

See Page 2

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
EX.2 A	#101 - Bath	2x2" Tile Grout		Bulk	
B					
C	#223 - Bath				
D					
E					
F	#118 - Bath				
G					
H					
I					
EX.3 A	#101 - Bath	4x4" Tile Grout			
B					
C					
D	#223 - Bath				
E					
F					
G	#118 - Bath				

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FT= Floor Tile CT= Ceiling Tile WLBRD = Wallboard JC= Joint Compound CLSPRY = Ceiling Spray On

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CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

Client: _____ Date: _____
 Project: _____ Collector: _____
 Address: See Page 2 Project #: _____
 City, State: _____

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
39 FX.3 H					
40 ↓ FX.4 A	#410	4x4" Tile Grout		Bulk	
41 B		Black underlay paper			
42 C					
43 MX.1 A	#101 - Willy Rm	Brown wall coating			
44 B					
45 C					
46 MX.2 A	#101 - Kitchen	Grey sink coating			
47 B					
48 C					
49 D	#402 - Kitchen				
50 E	#118 - Kitchen				
51 F					
52 G					
53					

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CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

Client: _____ Date: _____
 Project: See Page 2 Collector: _____
 Address: _____ Project #: _____
 City, State: _____

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
54 JT21A	* 101 - Crawlspace	TSI pipe Insulation		Bulk	
55 B					
56 C					
57 TX1A		Blown-in insulation - grey			
58 B					
59 C		Seal-coat texture - Pink			
60 TX2A					
61 B					
62 C					
63 F21A	* 104 - Bedroom	Sheet flooring - green/yellow strips			
64 B					
65 C					

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CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

Client:	Date:
Project:	Collector:
Address:	Project #:
City, State:	

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
M2.1 A	#101 - Throughout	Paster wall		Pwk	
B					
C	#122				
D	#223				
E					
F					
G					
H					
I					
J	#118				
K					
L					
M3.1 A	#101 - Kitchen	12x12" VFT White w/Berze Straks			
B					
C					

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FT= Floor Tile CT= Ceiling Tile WLB RD = Wallboard JC= Joint Compound CLSPRY = Ceiling Spray On



CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

Client: _____ Date: _____
 Project: See Pg 2 Collector: _____
 Address: _____ Project #: _____
 City, State: _____

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
81 F3.2A	4 109 - Kitchen	12x12 VFT Gry w/bm speckling		Blank	
82 B					
83 C					
84 F3.2A	109	12x12 VFT Ok. Grey/Bm			
85 D					
86 E	428				
87 F					
88 G	410				
89 H					
90 I					
91 F3.8A	428	12x12 VFT White w/long beige streaks			
92 B					
93 C					
94					
95					

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CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

A07.5233

Client: _____ Date: _____
 Project: See Page 2 Collector: _____
 Address: _____ Project #: _____
 City, State: _____

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
96 F3.9A	422	12x12" VFT Pink w/white marbling		Bulk	
77 B					
78 C					
99 F3.10A	420	12x12" VFT Gold w/brown/white/beige stripes			
100 B					
01 C					
02 F3.6 A	115	12x12" VFT Beige w/ reddish brown marbling			
03 B					
04 C					
05 F3.4 A	123	12x12" VFT Grey w/brown streaks			
06 B					
07 C					
08 F3.11 A	420	12x12" VFT Reddish brown w/ white marbling			
09 B					
10 C					

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CAROLINA ENVIRONMENTAL, INC.

ASBESTOS BULK INSPECTION

Client:	Date:
Project: <i>See Page 2</i>	Collector:
Address:	Project #:
City, State:	

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
11 F3.12A	410	12x12" VFT Bluish-grey masonry		1 Bulk	
12 B					
13 C					
14 F2.2A	109	Sheet flooring, yellow w/ textured surface			
15 B					
16 C					
17 D	115				
18 E					
19 E					
20 G	306				
21 H					
22 F3.7A	304	12x12" VFT Grey w/ long white strands			
23 B					
24 E					

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ASBESTOS BULK INSPECTION

Client:	Date:
Project: <i>See Page 2</i>	Collector:
Address:	Project #:
City, State:	

FIELD ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	COND	AMOUNT	NOTES
<i>25</i> E3.15A	<i>314.</i>	<i>12x12' VFT yellowish</i>		<i>Bulk</i>	
<i>26</i> B		<i>speckled green</i>			
<i>27</i> E	<i>124 - Kitchen</i>	<i>12x12' VFT beige marbled</i>			
<i>29</i>					
<i>20</i>					
<i>28</i>					
<i>30</i>					

FT= Floor Tile CT= Ceiling Tile WLB RD = Wallboard JC= Joint Compound CLSPRY = Ceiling Spray On

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**Carolina Environmental, Inc. – Laboratory Report
(Administration Building)**

Appendix G

LABORATORY REPORT ASBESTOS BULK ANALYSIS

CAROLINA ENVIRONMENTAL, INC.
107 New Edition Court, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

Client: WTR Consulting Engineers, LLC
210 East Lyndale
Helena, MT 59601

Project: HHA - Admin.; 07912-1.1

CEI Lab Code: A07-5511
Received: 07-09-07
Analyzed: 07-11-07
Reported: 07-11-07
Analyst: Erica Tucker

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
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M1.1 A	A629039	SHEETROCK/JOINT COMPOUND/TAPE Heterogeneous, White, Grey, Fibrous, Bound	ND
		GYP SUM 65% SILI 10% PAINT 5%	20%

M1.1 B	A629040	SHEETROCK/JOINT COMPOUND/TAPE Heterogeneous, White, Grey, Fibrous, Bound	ND
		GYP SUM 65% SILI 10% PAINT 5%	20%

M1.1 C	A629041	SHEETROCK/JOINT COMPOUND/TAPE Heterogeneous, White, Grey, Fibrous, Bound	ND
		GYP SUM 65% SILI 10% PAINT 5%	20%

M1.1 D	A629042	SHEETROCK/JOINT COMPOUND/TAPE Heterogeneous, White, Brown, Fibrous, Bound	ND
		GYP SUM 65% SILI 10% PAINT 5%	20%

M1.1 E	A629043	SHEETROCK/JOINT COMPOUND/TAPE Heterogeneous, White, Off-white, Fibrous, Bound	<1% CHRY
		CHRY <1% GYP SUM 65% SILI 10% PAINT 5%	20%
Chrys. is 3% in joint compound only. Chrys. is <1% in overall sample.			

M2.1 A	A629044	WALL/CEILING PLASTER Homogeneous, White, Grey, Fibrous, Loosely Bound	ND
		PLAS 98% CELL 2%	

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
M2.1 B	A629045	Homogeneous, <u>WALL/CEILING PLASTER</u> White, Grey, Non-fibrous, Loosely Bound PLAS 100 %	ND
M2.1 C	A629046	Homogeneous, <u>WALL/CEILING PLASTER</u> White, Grey, Non-fibrous, Loosely Bound PLAS 98 % CELL 2 %	ND
M3.2 A	A629047	Heterogeneous, <u>VICTORIAN STYLE WALLPAPER</u> Beige, Grey, Fibrous, Bound	ND
M3.2 B	A629048	Heterogeneous, <u>VICTORIAN STYLE WALLPAPER</u> Brown, Grey, Fibrous, Bound	ND
M3.2 C	A629049	Heterogeneous, <u>VICTORIAN STYLE WALLPAPER</u> White, Brown, Fibrous, Bound MAST 5 % CELL 95 % Mastic is negative.	ND
M3.3 A	A629050	Heterogeneous, <u>WALLPAPER</u> Green, Pink, Fibrous, Bound BIND 5 % SILI 5 % CELL 90 %	ND
M3.3 B	A629051	Heterogeneous, <u>WALLPAPER</u> Green, Pink, Fibrous, Bound SILI 5 % CELL 95 %	ND

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
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M3.3 C	A629052	WALLPAPER Heterogeneous, Green, Pink, Fibrous, Bound	ND
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M3.4 A	A629053	WALLPAPER Heterogeneous, White, Green, Fibrous, Bound	ND
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M3.4 B	A629054	WALLPAPER Heterogeneous, White, Green, Fibrous, Bound	ND
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M3.4 C	A629055	WALLPAPER Heterogeneous, White, Green, Fibrous, Bound	ND
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M6.1 A	A629056	ADHESIVE Homogeneous, Tan, Fibrous, Bound	ND
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M6.1 B	A629057	ADHESIVE Homogeneous, Tan, White, Non-fibrous, Bound	ND
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M6.1 C	A629058	ADHESIVE Homogeneous, Tan, White, Non-fibrous, Bound	ND
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CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
S 1.1 A	A629059	POPORN CEILING TEXTURE Homogeneous, Off-white, White, Non-fibrous, Bound FOAM 20% PAINT 15% BIND 65%	ND
S 1.1 B	A629060	POPORN CEILING TEXTURE Homogeneous, Off-white, White, Non-fibrous, Bound FOAM 20% PAINT 15% BIND 65%	ND
S 1.1 C	A629061	POPORN CEILING TEXTURE Homogeneous, Off-white, White, Non-fibrous, Bound FOAM 20% PAINT 15% BIND 65%	ND
S 2.1 A	A629062	CEILING TILE Heterogeneous, White, Fibrous, Bound PAINT 5% CELL 95%	ND
S 2.1 B	A629063	CEILING TILE Heterogeneous, White, Fibrous, Bound PAINT 5% CELL 90%	ND
S 2.1 C	A629064	CEILING TILE Heterogeneous, White, Fibrous, Bound PAINT 5% CELL 90%	ND
S 2.2 A	A629065	CEILING TILE Heterogeneous, White, Fibrous, Bound PAINT 5% CELL 5% FBGL 85% PERL 5%	ND

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %					
S 2.2 B	A629066	Heterogeneous, Bound White, Fibrous, Bound CEILING TILE	PAINT	5%	CELL	5%	FBGL	85%
S 2.2 C	A629067	Heterogeneous, Bound White, Fibrous, Bound CEILING TILE	PAINT	5%	CELL	5%	FBGL	85%
F 1.1 A	A629068	Heterogeneous, Bound Tan, Fibrous, Bound ADHESIVE	SILI	20%	SYNT	2%		
F 1.1 B	A629069	Heterogeneous, Bound Tan, Fibrous, Bound ADHESIVE	SILI	20%	SYNT	2%		
F 1.1 C	A629070	Heterogeneous, Bound Tan, Fibrous, Bound ADHESIVE	SILI	20%	SYNT	2%		
F 1.2 A	A629071	Heterogeneous, Bound Variously Fibrous, Bound CARPET	SILI	5%	CELL	5%	SYNT	85%
F 1.2 B	A629072	Heterogeneous, Bound Variously Fibrous, Bound CARPET	SILI	5%	CELL	5%	SYNT	85%

Project: HHA - Admin.; 07912-1.1

Lab Code: A07-5511

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
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F 1.2 C	A629073	Heterogeneous, <u>CARPET</u> Variously Fibrous, Bound SILI 5% MAST 5%	CELL 5% SYNT 85%
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F 1.3 A	A629074	Heterogeneous, <u>CARPET</u> Variously Fibrous, Bound SILI 5% MAST 5%	CELL 5% SYNT 85%
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F 1.3 B	A629075	Heterogeneous, <u>CARPET</u> Variously Fibrous, Bound SILI 5% MAST 5%	CELL 5% SYNT 85%
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F 1.3 C	A629076	Heterogeneous, <u>CARPET</u> Variously Fibrous, Bound SILI 5% MAST 5%	CELL 5% SYNT 85%
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F 1.4 A	A629077	Heterogeneous, <u>CARPET</u> Blue, Tan, Fibrous, Bound SILI 20% MAST 70%	CELL 10%
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F 1.4 B	A629078	Heterogeneous, <u>CARPET</u> Blue, Tan, Fibrous, Bound SILI 20% MAST 70%	CELL 10%
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F 1.4 C	A629079	Heterogeneous, <u>CARPET</u> Blue, Tan, Fibrous, Bound SILI 20% MAST 70%	CELL 10%
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CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %				
F 1.5 A	A629080	Heterogeneous, Burgandy Fibrous, Bound CARPET	SILI 15%	MAST 10%	SYNT 70%	ND	
F 1.5 B	A629081	Heterogeneous, Burgandy Fibrous, Bound CARPET	SILI 15%	MAST 10%	SYNT 70%	ND	
F 1.5 C	A629082	Heterogeneous, Burgandy Fibrous, Bound CARPET	SILI 15%	MAST 10%	SYNT 70%	ND	
F 2.1 A	A629083A	Heterogeneous, Yellow, Fibrous, Bound LINOLEUM CHRY 20%	SILI 15%	VINYL 55%	MAST 5%	CHRY 20% ND	
Mastic is inseperable.							
F 2.1 B	A629084A	SAMPLE NOT ANALYZED AS PER COC					ND
A629083B	FLOORING	Heterogeneous, Grey, Fibrous, Bound	SILI 15%	VINYL 75%	MAST 5%	ND	
A629084B	FLOORING	Heterogeneous, Grey, Fibrous, Bound	SILI 15%	MAST 5%	VINYL 75%	ND	

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
F 2.1 C	A629084A	SAMPLE NOT ANALYZED AS PER COC	

ND	A629084B	FLOORING Heterogeneous, Grey, Fibrous, Bound SILI 15% MAST 5% VINYL 75%	CELL 5%
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ND	A629086	LINOLEUM Heterogeneous, Yellow, Brown, Fibrous, Bound SILI 10% VINYL 65%	CELL 25%
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ND	A629087	LINOLEUM Heterogeneous, Yellow, Brown, Fibrous, Bound SILI 10% VINYL 65%	CELL 25%
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ND	A629088	LINOLEUM Heterogeneous, Yellow, Brown, Fibrous, Bound SILI 10% VINYL 65%	CELL 25%
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ND	A629089A	FLOOR TILE Homogeneous, Peach Non-fibrous, Bound VINYL 100%	
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ND	A629089B	MASTIC Homogeneous, Clear, Non-fibrous, Bound MAST 100%	
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CAROLINA ENVIRONMENTAL, INC.
 107 New Edition Court, Cary, NC 27511
 Phone: 919-481-1413 Fax: 919-481-1442

Project: HHA - Admin.; 07912-1.1
 Lab Code: A07-5511

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
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F 3.14 B	A629090A	FLOOR TILE Homogeneous, Peace Non-fibrous, Bound VINYL 100 %	ND
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F 3.14 C	A629091A	FLOOR TILE Homogeneous, Peach Non-fibrous, Bound VINYL 100 %	ND
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F 3.15 A	A629092A	FLOOR TILE Homogeneous, Green, Non-fibrous, Bound VINYL 100 %	ND
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F 3.15 B	A629092B	MASTIC Homogeneous, Clear, Non-fibrous, Bound MAST 100 %	ND
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F 3.15 B	A629093A	FLOOR TILE Homogeneous, Green, Non-fibrous, Bound VINYL 100 %	ND
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 Lab Code: A07-5511

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
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ND	A629093B	Homogeneous, Clear, Non-fibrous, Bound MASTIC	100 %
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ND	A629094A	Homogeneous, Green, Non-fibrous, Bound FLOOR TILE	VINYL 100 %
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ND	A629094B	Homogeneous, Clear, Non-fibrous, Bound MASTIC	MAST 100 %
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ND	A629095	Homogeneous, Pink, Fibrous, Bound FLOOR TILE	VINYL 90 % CELL 10 %
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ND	A629096A	Homogeneous, Pink, Fibrous, Bound FLOOR TILE	VINYL 90 % CELL 10 %
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ND	A629096B	Homogeneous, Brown, Non-fibrous, Bound MASTIC	MAST 100 %
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ND	A629097A	Homogeneous, Pink, Fibrous, Bound FLOOR TILE	VINYL 90 % CELL 10 %
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CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
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ND	A629097B	MASTIC Homogeneous, Brown, Non-fibrous, Bound	MAST 100 %
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ND	E 1.2 A	A629098 COVBASE (MASTIC & MUD COMPOUND) Heterogeneous, White, Tan, Fibrous, Bound	MAST 70 % CELL 15 % SILI 10 % BIND 5 %
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ND	E 1.2 B	A629099 COVBASE (MASTIC & MUD COMPOUND) Heterogeneous, White, Tan, Fibrous, Bound	MAST 70 % CELL 15 % SILI 10 % BIND 5 %
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ND	E 1.2 C	A629100 COVBASE (MASTIC & MUD COMPOUND) Heterogeneous, White, Tan, Fibrous, Bound	MAST 70 % CELL 15 % SILI 10 % BIND 5 %
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ND	E 1.3 A	A629101 COVBASE / MASTIC Heterogeneous, Rus White, Non-fibrous, Bound	MAST 5 % VINYL 95 %
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ND	E 1.3 B	A629102 COVBASE / MASTIC Heterogeneous, Rus White, Non-fibrous, Bound	MAST 5 % VINYL 95 %
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ND	E 1.3 C	A629103 COVBASE / MASTIC Heterogeneous, Rus White, Non-fibrous, Bound	MAST 5 % VINYL 95 %
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CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
E 1.6 B	A629111	COVERBASE/MASTIC Heterogeneous, Cream, Non-fibrous, Bound MAST 10% VINYL 90%	ND
Mastic is negative.			
E 1.6 C	A629112	COVERBASE/MASTIC Heterogeneous, Cream, Non-fibrous, Bound MAST 10% VINYL 90%	ND
Mastic is negative.			
Tap A	A629113	TAPE ON DUCTING Heterogeneous, White, Off-white, Fibrous, Bound BIND 20% CELL 80%	ND
Tap B	A629114	TAPE ON DUCTING Heterogeneous, White, Off-white, Fibrous, Bound BIND 20% CELL 80%	ND
Tap C	A629115	TAPE ON DUCTING Heterogeneous, White, Off-white, Fibrous, Bound BIND 20% CELL 80%	ND
Gas A	A629116	PUTTY Homogeneous, Grey, Tan, Fibrous, Bound CAULK 90% WOLL 10%	ND
Gas B	A629117	PUTTY Homogeneous, Grey, Tan, Fibrous, Bound CAULK 90% WOLL 10%	ND

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
Gas C	A629118	PUTTY Homogeneous, Grey, Tan, Fibrous, Bound	ND
		CAULK 90% WOLL 10%	
Gro A	A629119	GROUT Homogeneous, Grey, Non-fibrous, Bound	ND
		PLAS 100%	
Gro B	A629120	GROUT Homogeneous, Grey, Non-fibrous, Bound	ND
		PLAS 100%	
Gro C	A629121	GROUT Homogeneous, Grey, Non-fibrous, Bound	ND
		PLAS 100%	
TSI A	A629122	PIPE WRAP Homogeneous, White, Grey, Fibrous, Bound	CHRY 65%
		CHRY 65% BIND 35%	
TSI B	A629123	SAMPLE NOT ANALYZED AS PER COC	
TSI C	A629124	SAMPLE NOT ANALYZED AS PER COC	

CAROLINA ENVIRONMENTAL, INC.
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Project: HHA - Admin.; 07912-1.1

Lab Code: A07-5511

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	ASBESTOS %
M1.1 A	A629039	Heterogeneous, White, Grey, Fibrous, Bound SHEETROCK/JOINT COMPOUND/TAPE	ND
		GYPSUM 65% CELL 20%	
		SILI 10%	
		PAINT 5%	

The following definitions apply to the abbreviations used in the ASBESTOS BULK ANALYSIS REPORT:

CHRY = Chrysotile	CELL = Cellulose	DEBR = Debris
AMOS = Amosite	FBGL = Fibrous Glass	BIND = Binder
CROC = Crocidolite	ORGN = Organics	SILI = Silicates
TREM = Tremolite	SYNT = Synthetics	GRAV = Gravel
ANTH = Anthophyllite	WOLL = Wollastonite	MAST = Mastic
ACTN = Actinolite	CERWL = Ceramic Wool	PLAS = Plaster
N D = None Detected	NTRM = Non-Asbestiform Tremolite	PERL = Perlite
NANTH = Non-Asbestiform Anthophyllite	FBGY = Fibrous Gypsum	RUBR = Rubber
		VER = Vermiculite

CLIENT: WTR Consulting Engineers, LLC

PROJECT: HHA - Admin.; 07912-1.1

CEI LAB CODE: A07-5511

stereoscopic microscopy and polarized light microscopy coupled with dispersion staining is the analytical technique used for sample identification. The percentage of each component is visually estimated by volume. These results pertain only to the samples analyzed. The samples were analyzed as submitted by the client and may not be representative of the larger material in question. Unless notified in writing to return samples, Carolina Environmental, Inc. will discard all bulk samples after 30 days.

Many vinyl floor tiles have been manufactured using greater than 1% asbestos. Often the asbestos was milled to a fiber size below the detection limit of polarized light microscopy. Therefore, a "None Detected" (ND) reading on vinyl floor tile does not necessarily exclude the presence of asbestos. Transmission electron microscopy provides a more conclusive form of analysis for vinyl floor tiles.

is certified by the signature below that Carolina Environmental, Inc. is accredited by the National Voluntary Accreditation Program (NVLAP) for the analysis of asbestos in bulk materials. The accredited test method is EPA / 600 / M4-82 / 020 for the analysis of asbestos in building materials. Procedures described in EPA / 600 / R-93 / 116 have been incorporated where applicable. The detection limit for the method is 0.1% (trace amount). Carolina Environmental, Inc.'s NVLAP accreditation number is #101768-0. This report is not to be used to claim product endorsement by NVLAP or any agency of the U. S. Government. This report and its contents are only valid when reproduced in full. Dust and soil analyses for asbestos using PLM are not covered under NVLAP accreditation.

ANALYST

Angela Howard for Erica Tucker

REVIEWED BY

Tianbao Bai

Tianbao Bai, Ph.D.
Laboratory Director

End of Report