



Response Labs, LLC.
12 Colvin Avenue, Albany NY 12206
Phone (518) 482-5630 Fax (518) 482-5624
NYS DOH ELAP # 11917

PLM Bulk Asbestos Report

Client: Ambient Environmental Inc.
12 Colvin Avenue
Albany NY 12206

Client Project Number: 130320AA

Project Name: SUNY Potsdam

Laboratory Batch Number: 1409 935

Sampling Area: Barrington Hall 1st Floor Dining Area

Sampled By: Eric Rath

Collection Date: 3/26/2013

Date Received: 3/27/2013

Lab Sample #	Customer Sample #	Homogeneity	Color	% Non-Fibrous Matrix Material	% of Organics	Gravimetric Test % of Acid Soluble Inorganics	% of Residue	Total % of Asbestos
14092	02-07	Homogeneous	Blue	45.7%	22.7	31.6	45.7	Inc.
Sampled Material: Blue-Grey Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams		Method: NYS ELAP 198.6 (NOB)			Date: 3/28/2013			
Microscope: Olympus BH-2-214		Turn Around Time: 3 Day						
14093	02-08	Homogeneous	Blue	40.8%	22.4	36.8	40.8	Inc.
Sampled Material: Blue-Grey Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams		Method: NYS ELAP 198.6 (NOB)			Date: 3/28/2013			
Microscope: Olympus BH-2-214		Turn Around Time: 3 Day						
14094	02-09	Homogeneous	Green	38.8%	22.7	38.5	38.8	Inc.
Sampled Material: Green Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams		Method: NYS ELAP 198.6 (NOB)			Date: 3/28/2013			
Microscope: Olympus BH-2-214		Turn Around Time: 3 Day						
14095	02-10	Homogeneous	Green	37.4%	23.6	39.0	37.4	Inc.
Sampled Material: Green Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams		Method: NYS ELAP 198.6 (NOB)			Date: 3/28/2013			
Microscope: Olympus BH-2-214		Turn Around Time: 3 Day						

Definitions of Abbreviations: NOB: Non-Organically Bound, Trace: Asbestos Detected at 1% or Less, TEM: Transmission Electron Microscope, Inc.: Inconclusive, NAD: No Asbestos Detected, NA/PS: Not Analyzed Positive Stop, NA: Not Analyzed, ACM: Asbestos Containing Material, NVA: No Visible Asbestos

Disclaimer: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. No Asbestos Detected or Trace results by PLM 198.6 are considered inconclusive. TEM is currently the only method that can be used to determine if materials can be considered as non asbestos containing in NY State. This report cannot be reproduced except in full without the approval of Response Labs, LLC. This PLM report relates ONLY to the items tested. Liability is limited to the cost of analysis.

ELAP PLM Method 198.1 for friable samples or 198.6 for NOB Samples. There is no accreditation coverage available from any regulatory agency for Qualitative PLM.

Laboratory Director,

Justin Adams

Comments:



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NYS DOH ELAP # 11917

PLM Bulk Asbestos Report

Project Name: SUNY Potsdam

Laboratory Batch Number: 1409-935

Sampling Area: Barrington Hall 1st Floor Dining Area

Sampled By: Eric Rath

Collection Date: 3/26/2013

Date Received: 3/27/2013

Lab Sample #	Customer Sample #	Homogeneity	Color	% Non-Fibrous Matrix Material	% of Organics	Gravimetric Test % of Acid Soluble Inorganics	% of Residue	Total % of Asbestos
14096	02-11	Homogeneous	Green	35.6%	21.8	42.6	35.6	Inc.
Sampled Material: Green and Red Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams Method: NYS ELAP 198.6 (NOB) Microscope: Olympus BH-2-214 Turn Around Time: 3 Day					Date: 3/28/2013			
14097	02-12	Homogeneous	Red	36%	22.7	41.3	36.0	Inc.
Sampled Material: Green and Red Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams Method: NYS ELAP 198.6 (NOB) Microscope: Olympus BH-2-214 Turn Around Time: 3 Day					Date: 3/28/2013			
14098	02-13	Homogeneous	Black	38.6%	22.3	39.0	38.6	Inc.
Sampled Material: Black Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams Method: NYS ELAP 198.6 (NOB) Microscope: Olympus BH-2-214 Turn Around Time: 3 Day					Date: 3/28/2013			
14099	02-14	Homogeneous	Black	36.4%	22.8	40.8	36.4	Inc.
Sampled Material: Black Floor Tile					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams Method: NYS ELAP 198.6 (NOB) Microscope: Olympus BH-2-214 Turn Around Time: 3 Day					Date: 3/28/2013			
14100	03-15	Homogeneous	Black	3.1%	57.1	39.8	3.1	Inc.
Sampled Material: Cove Base					Other Materials	%	Asbestos Types:	
Sample Location: Dining Area					None Detected		Inconclusive-No Asbestos Detected Client Requested TEM	
Analyzed By: Justin Adams Method: NYS ELAP 198.6 (NOB) Microscope: Olympus BH-2-214 Turn Around Time: 3 Day					Date: 3/28/2013			

Definitions of Abbreviations: NOB: Non-Organically Bound, Trace: Asbestos Detected at 1% or Less, TEM: Transmission Electron Microscope, Inc.: Inconclusive, NAD: No Asbestos Detected, NA/PS: Not Analyzed Positive Stop, NA: Not Analyzed, ACM: Asbestos Containing Material, N/A: No Visible Asbestos

Disclaimer: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. No Asbestos Detected or Trace results by PLM 198.6 are considered inconclusive. TEM is currently the only method that can be used to determine if materials can be considered as non asbestos containing in NY State. This report cannot be reproduced except in full without the approval of Response Labs, LLC. This PLM report relates ONLY to the items tested. Liability is limited to the cost of analysis. ELAP PLM Method 198.1 for friable samples or 198.6 for NOB Samples. There is no accreditation coverage available from any regulatory agency for Qualitative PLM.

Comments:

Laboratory Director,

Justin Adams



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Phone (518) 482-5630 Fax (518) 482-5624
NYS DOH ELAP # 11917

PLM Bulk Asbestos Report

Project Name: SUNY Potsdam

Laboratory Batch Number: 1409 935

Sampling Area: Barrington Hall 1st Floor Dining Area

Sampled By: Eric Rath

Collection Date: 3/26/2013

Date Received: 3/27/2013

Lab Sample #	Customer Sample #	Homogeneity	Color	% Non-Fibrous Matrix Material	% of Organics	Gravimetric Test % of Acid Soluble Inorganics	% of Residue	Total % of Asbestos
14101	03-16	Homogeneous	Black	2.9%	54.0	43.1	2.9	Inc.
Sampled Material: Cove Base					Other Materials None Detected	%	Asbestos Types: Inconclusive-No Asbestos Detected Client Requested TEM	
Sample Location: Dining Area								
Analyzed By: Justin Adams		Method: NYS ELAP 198.6 (NOB)						
Microscope: Olympus BH-2-214		Turn Around Time: 3 Day			Date: 3/28/2013			
14102	04-15	Homogeneous	Tan	12.7%	30.8	56.5	12.7	Inc.
Sampled Material: Tile Adhesive					Other Materials None Detected	%	Asbestos Types: Inconclusive-No Asbestos Detected Client Requested TEM	
Sample Location: Dining Area								
Analyzed By: Justin Adams		Method: NYS ELAP 198.6 (NOB)						
Microscope: Olympus BH-2-214		Turn Around Time: 3 Day			Date: 3/28/2013			
14103	04-16	Homogeneous	Tan	18.3%	38.0	43.7	18.3	Inc.
Sampled Material: Tile Adhesive					Other Materials None Detected	%	Asbestos Types: Inconclusive-No Asbestos Detected Client Requested TEM	
Sample Location: Dining Area								
Analyzed By: Justin Adams		Method: NYS ELAP 198.6 (NOB)						
Microscope: Olympus BH-2-214		Turn Around Time: 3 Day			Date: 3/28/2013			

Definitions of Abbreviations: NOB: Non-Organically Bound, Trace: Asbestos Detected at 1% or Less, TEM: Transmission Electron Microscope, Inc.: Inconclusive, NAD: No Asbestos Detected, NA/PS: Not Analyzed Positive Stop, NA: Not Analyzed, ACM: Asbestos Containing Material, NVA: No Visible Asbestos

Disclaimer: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. No Asbestos Detected or Trace results by PLM 198.6 are considered inconclusive, TEM is currently the only method that can be used to determine if materials can be considered as non asbestos containing in NY State. This report cannot be reproduced except in full without the approval of Response Labs, LLC. This PLM report relates ONLY to the items tested. Liability is limited to the cost of analysis. ELAP PLM Method 198.1 for friable samples or 198.6 for NOB Samples. There is no accreditation coverage available from any regulatory agency for Qualitative PLM.

Comments:

Laboratory Director,


Justin Adams

Client Name: Ambient Environmental, Inc.

04/02/2013 14:09

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AMERISCINY

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Table 1
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method
 130320AA/1409 935; SUNY Potsdam; Barrington Hall- Floor Tile; Pierrepont Ave., Potsdam, NY/ 1st Floor Dining room

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
01	02-07	02	—	—	—	—	NAD
Location: Blue, Gray, Fl. Tile/ Dining Area; 45.7%							
02	02-08	02	—	—	—	—	NAD
Location: Blue, Gray Fl. Tile/ Dining Area; 40.8%							
03	02-09	02	—	—	—	—	NAD
Location: Green Fl. Tile/ Dining Area; 38.8%							
04	02-10	02	—	—	—	—	NAD
Location: Green Fl. Tile/ Dining Area; 37.4%							
05	02-11	02	—	—	—	—	NAD
Location: Green & Red Fl. Tile/ Dining Area; 35.6%							
06	02-12	02	—	—	—	—	NAD
Location: Green & Red Fl. Tile/ Dining Area; 36.0%							
07	02-13	02	—	—	—	—	NAD
Location: Black Fl. Tile/ Dining Area; 38.6%							
08	02-14	02	—	—	—	—	NAD
Location: Black Fl. Tile/ Dining Area; 36.4%							
09	03-15	03	—	—	—	—	NAD
Location: Cove Base/ Dining Area; 3.1%							
10	03-16	03	—	—	—	—	NAD
Location: Cove Base/ Dining Area; 2.9%							
11	04-15	04	—	—	—	—	NAD
Location: Tile Adhesive/ Dining Area; 12.7%							
12	04-16	04	—	—	—	—	NAD
Location: Tile Adhesive/ Dining Area; 18.3%							

See Reporting notes on last page

AmeriSci Job #: 213035978

Client Name: Ambient Environmental, Inc.

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Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method
 130320AA/1409 936; SUNY Potsdam; Barrington Hall- Floor Tile; Pierrepont Ave., Potsdam, NY/ 1st Floor Dining room

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
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Analyzed by: Ravi N. Krishnapa MAA : Date Analyzed 4/2/2013
 **Quantitative Analysis (SemiFull): Bulk Asbestos Analysis - PLM by EPA 800/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (SemiFull) by EPA 800/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-Q, NYSDOH ELAP Lab ID#11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

Ambient Environmental, Inc. <BULLTO
 Comprehensive Building Science Solutions
 12 Colton Ave. Albany, NY 12208
 PH: 518-482-0704 FAX: 518-482-0750
 & SRA EDWARDS

Page 2 of 2

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

ELAP 198.4 3 DAY TAT

PROJECT INFORMATION

1. Client: SUNY Potsdam	2. Project Name: Barrington Hall - Floors Tile	3. Project Address: Pierrepoint Ave., Potsdam, NY	4. Client Contact: Larry Weisshorn
5. Project Number: 130320A7	6. Inspector: Eric K. Roth	7. Building Name: Barrington Hall	8. Collection Date: 3-26-13
9. Sample TAT: ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 Day ☐ Other	10. Sampling Area: 1st floor Dining Area	11. Comments: (Field) ☐ Analyze to First Positive By Homogeneous Material ☒ For Negative NIOS PLM's, continue to TEM	

BULK SAMPLE LOCATION

TYPE OF MATERIALS

10. Laboratory Sample Number	11. Homogeneous Area Number	12. Bulk Sample Number	13. Sampled Material	14. Type of Material		15. Sample Location	16. Sample Coordinates	17. Condition (G, D, SD)	18. Friability (NF)	19. Quantity (L.F. SF, BA)	20. Asbestos Content (Type & %)
				Surf	MISC						
14092	02	07	Blue, Gray Fl. Tile		/	Dining area		G	N		
14093	02	08	Blue, Gray Fl. Tile		/	Dining area		G	N		
14094	02	09	Green Fl. Tile		/	Dining area		G	N		
14095	02	10	Green Fl. Tile		/	Dining area		G	N		
14096	02	11	Green + Red Fl. Tile		/	Dining area		G	N		
14097	02	12	Green + Red Fl. Tile		/	Dining area		G	N		
14098	02	13	Black Fl. Tile		/	Dining area		G	N		
14099	02	14	Black Fl. Tile		/	Dining area		G	N		
14100	03	15	Cave base		/	Dining area		G	N		213035978
14101	03	16	Cave base		/	Dining area		G	N		
14102	04	15	Tile Adhesive		/	Dining area		G	N		
14103	04	16	Tile Adhesive		/	Dining area		G	N		

CHAIN OF CUSTODY

21. Date 3/27/13	22. Time 5:10	23. Received By: Eric Roth	24. Date 3/27/13	25. Time 0911
26. Analyzed By: Joella Viscusi				
27. Date 3/27/13				
28. Time 15:57				

LAB INFORMATION

29. Lab Name AMERISCINY	30. Date 3/27/13
31. Analyzed By: Eric Roth	32. Date 3/27/13
33. QC By: Eric Roth	34. Date 3/27/13
35. Lab Batch #: NMA-0955	36. Date 3/27/13

37. Ambient Project Manager: Joella Viscusi	38. Reviewer: Office	39. Sample Location: Material Locations	40. Comments:
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Summary of Sent Out Samples

Method Requested: NYS ELAP 100.4

Please Note:

This summary is provided by Response Lab and is solely intended to supply the sub-contract laboratory with the necessary information for TEM analysis.

Laboratory Job Number 1409 935

Project Name: SUNY Potsdam

Lab Sample Number	Customer Sample Number	Sample Name	Total % of Asbestos	Asbestos Types Found	Sample Results
14092	02-07	Blue-Grey Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	45.7 %
14093	02-08	Blue-Grey Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	40.8 %
14094	02-09	Green Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	38.8 %
14095	02-10	Green Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	37.4 %
14096	02-11	Green and Red Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	35.6 %
14097	02-12	Green and Red Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	36.0 %
14098	02-13	Black Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	38.6 %
14099	02-14	Black Floor Tile	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	36.4 %
14100	03-15	Cove Base	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	3.1 %
14101	03-16	Cove Base	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	2.9 %
14102	04-15	Tile Adhesive	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	12.7 %
14103	04-16	Tile Adhesive	Inc.	Inconclusive-No Asbestos Detected Client Requested TEM	18.3 %

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