



United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
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Laboratory Report

March 10, 2020

Dan Burgo - Mail Code 02-2
US EPA New England R1

Project Number: 20030005
Project: Former Cass Toy Co. - Athol, MA
Analysis: Bulk Asbestos Analysis by PLM
Analyst: Scott Clifford

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, INGASBSED2.

Analytical Method: Polarized Light Microscope (PLM) with Dispersion Staining.
All quantities are estimated volume percent.

Date Samples Received by the Laboratory: 03/09/2020

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340 .

Sincerely,

20030005\$ASBES

Former Cass Toy Co. - Athol, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: ASB-01
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85594
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Cellulose board.

Client Sample ID: ASB-02
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85595
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	Trace	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Trace chrysotile present, but less than 1%.
Black roof material

Former Cass Toy Co. - Athol, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: ASB-03
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85596
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	1	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Black roof material

Client Sample ID: ASB-04
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85597
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Cellulose board

Former Cass Toy Co. - Athol, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: ASB-05
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85598
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	12	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Cement-like board

Client Sample ID: ASB-105
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85599
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	12	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Cement-like board

Former Cass Toy Co. - Athol, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: ASB-06
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85600
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	12	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Cement-like board

Client Sample ID: ASB-07
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85601
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Fiberglass shingle

Former Cass Toy Co. - Athol, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: ASB-08
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85602
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Cellulose

Client Sample ID: ASB-09
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85603
Matrix Bulk

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Cellulose

Former Cass Toy Co. - Athol, MA

Bulk Asbestos Analysis by PLM

Client Sample ID: SS-01
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85604
Matrix: Soil

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Soil

Client Sample ID: SS-02
Date of Collection: 3/6/2020
Date of Extraction: 3/6/20
Date of Analysis: 3/6/20

Lab Sample ID: AB85605
Matrix: Soil

CAS Number	Compound	Concentration %	RL %	Qualifier
	Actinolite	ND	1.0	
	Amosite	ND	1.0	
	Anthophyllite	ND	1.0	
	Chrysotile	ND	1.0	
	Crocidolite	ND	1.0	
	Tremolite	ND	1.0	

Comments: Soil