

## **SECTION 003126 – EXISTING HAZARDOUS MATERIAL INFORMATION**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. The following information in this section is provided for informational purposes only and shall not become part of the contract documents.
  - 1. NRCSD High School Annex Roof Replacement Testing





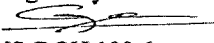
EAS Batch No. 2107018

**Eastern Analytical Services, Inc.**

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**Bulk Sample Results**

RE: CPN Q21-4194 - North Rockland CSD - North Rockland High School - Roof Survey

Date Collected : 08/20/2021  
 Collected By : Nick Salerno/Daniel Kelly  
 Date Received : 08/23/2021  
 Date Analyzed : 09/01/2021  
 Analyzed By : George Htay  
 Signature :   
 Analytical Method : NYS-DOH 198.6  
 NVLAP Lab No. 101646-0  
 NVLAP Lab Code : 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number		4194-01	4194-02	4194-03	4194-03
Layer Number				1	2
Lab ID Number		2782497	2782498	2782499	2782499
Sample Location		Annex Roof 1, Field, Top Layer, On Vapor Barrier & Isofoam	Annex Gym Roof, Perimeter, Top Layer, On Vapor Barrier & Isofoam	Annex Roof 1, Field, Second & Third Layers, Below EPDM	Annex Roof 1, Field, Second & Third Layers, Below EPDM
Sample Description		EPDM	EPDM	Vapor Barrier & Isofoam (Vapor Barrier Layer)	Vapor Barrier & Isofoam (Isofoam Layer)
Analytical Method		NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	No	Yes	No
	Color	Black	Black	Black	Yellow
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	98.0	96.7	83.1	98.0
	% Carbonates	1.2	2.8	10.6	1.7
	% Other Inorganic	0.8	0.5	6.3	0.3

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

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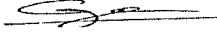
AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



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1376 Route 9  
Wappingers Falls, NY 12590

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Analytical Method : NYS-DOH 198.6  
NVLAP Lab No. 101646-0  
NVLAP Lab Code : 10851

Sample ID Number		4194-04	4194-04	4194-05	4194-06
Layer Number		1	2		
Lab ID Number		2782500	2782500	2782501	2782502
Sample Location		Annex Gym Roof, Perimeter, Second & Third Layers, Below EPDM	Annex Gym Roof, Perimeter, Second & Third Layers, Below EPDM	Annex Roof 1, Field, Fourth Layer, Below Isofoam	Annex Gym Roof, Perimeter, Fourth Layer, Below Isofoam
Sample Description		Vapor Barrier & Isofoam (Vapor Barrier Layer)	Vapor Barrier & Isofoam (Isofoam Layer)	Vapor Barrier	Vapor Barrier
Analytical Method		NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	Yes	No	Yes	Yes
	Color	Black	Yellow	Black	Black
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	81.6	99.4	84.8	86.4
	% Carbonates	2.2	0.5	5.1	2.2
	% Other Inorganic	16.2	0.1	10.1	11.4

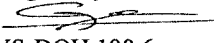
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 NVLAP Lab No. 101646-0  
 NVLAP Lab Code : 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number	4194-11	4194-12	4194-15	4194-15
Layer Number			1	2
Lab ID Number	2782503	2782504	2782505	2782505
Sample Location	Annex Roof 2, Field, Top Layer, On Perlite	Annex Roof 3, Perimeter, Top Layer, On Perlite	Annex Roof 2, Field, Third & Fourth Layers	Annex Roof 2, Field, Third & Fourth Layers
Sample Description	EPDM	EPDM	Vapor Barrier & Isofoam (Vapor Barrier Layer)	Vapor Barrier & Isofoam (Isofoam Layer)
Analytical Method	NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered Homogenous Fibrous Color	No Yes Yes Black	No Yes Yes Black	No Yes Yes Black
Asbestos Content	% Amosite % Chrysotile % Other	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
	% Total Asbestos	0.0	0.0	0.0
Other Materials Present	% Organic % Carbonates % Other Inorganic	90.0 2.6 7.4	89.5 1.4 9.1	82.3 8.0 9.7
				98.6 1.1 0.3

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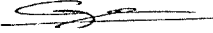
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 NVLAP Lab Code : 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number		4194-16	4194-16	4194-17	4194-18
Layer Number		1	2		
Lab ID Number		2782506	2782506	2782507	2782508
Sample Location		Annex Roof 3, Perimeter, Third & Fourth Layers	Annex Roof 3, Perimeter, Third & Fourth Layers	Annex Roof 2, Field, Fifth Layer, On Gypsum	Annex Roof 3, Perimeter, Fifth Layer, On Gypsum
Sample Description		Vapor Barrier & Isofoam (Vapor Barrier Layer)	Vapor Barrier & Isofoam (Isofoam Layer)	Vapor Barrier	Vapor Barrier
Analytical Method		NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	Yes	No	Yes	Yes
	Color	Black	Yellow	Black	Black
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	84.3	98.4	82.5	85.0
	% Carbonates	3.7	1.4	5.2	4.8
	% Other Inorganic	12.0	0.2	12.3	10.2

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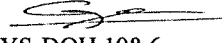
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 NVLAP Lab Code : 10851

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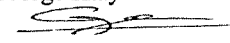
Sample ID Number	4194-25	4194-26	4194-27	4194-28
Layer Number				
Lab ID Number	2782509	2782510	2782511	2782512
Sample Location	Annex Gym Roof, Mechanical Unit Wall Cut, Behind EPDM, On Metal	Annex Roof 2, Mechanical Unit Wall Cut, Behind EPDM, on Metal	Annex Roof 2, Perimeter, Under EPDM, On Concrete Wall	Annex Roof 3, Perimeter, Under EPDM, On Concrete Wall
Sample Description	Tar	Tar	Tar	Tar
Analytical Method	NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered Homogenous Fibrous Color	No Yes Yes Black	No Yes Yes Black	No Yes Yes Black
Asbestos Content	% Amosite % Chrysotile % Other  % Total Asbestos	0.0 1.2 0.0  1.2	0.0 1.2 0.0  1.3	0.0 1.1 0.0  1.1
Other Materials Present	% Organic % Carbonates  % Other Inorganic	49.0 9.4  40.4	59.0 6.4  33.4	58.2 0.4  40.1

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Sample ID Number		4194-29	4194-30	4194-31	4194-32
Layer Number					
Lab ID Number		2782513	2782514	2782515	2782516
Sample Location		Annex Roof 1, On Metal Vent Pipe, Grey	Annex Roof 1, On Metal Vent Pipe, Grey	Annex Roof 3, On Mechanical Unit, Black	Annex Roof 3, On Mechanical Unit, Black
Sample Description		Flashing Tar	Flashing Tar	Flashing Tar	Flashing Tar
Analytical Method		NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	Yes	No	No	No
	Color	Black	Black	Black	Black
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	46.3	43.6	54.6	53.9
	% Carbonates	47.7	49.1	29.9	32.4
	% Other Inorganic	6.0	7.3	15.5	13.7

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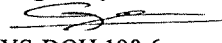
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Sample ID Number	4194-33	4194-34	4194-35	4194-36
Layer Number				
Lab ID Number	2782517	2782518	2782519	2782520
Sample Location	Annex Roof 1, Brick to Perimeter, Black	Annex Roof 1, Annex Gym Wall to Metal Perimeter, Black	Annex Gym Roof, Pitch Pocket, Top Layer	Annex Gym Roof, Pitch Pocket, Top Layer
Sample Description	Flashing Tar	Flashing Tar	Pitch Pocket Filter	Pitch Pocket Filter
Analytical Method	NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered Homogenous Fibrous Color	No Yes No Black	No Yes No Black	No Yes No Black
Asbestos Content	% Amosite % Chrysotile % Other  % Total Asbestos	0.0 0.0 0.0  0.0	0.0 0.0 0.0  0.0	0.0 0.0 0.0  0.0
Other Materials Present	% Organic % Carbonates  % Other Inorganic	45.4 49.3  5.3	34.3 60.8  4.9	69.9 25.6  4.5
				66.0 31.3  2.7

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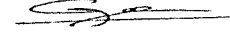
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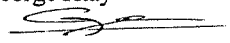
Sample ID Number	4194-37	4194-38	4194-39	4194-40
Layer Number				
Lab ID Number	2782521	2782522	2782523	2782524
Sample Location	Annex Gym Roof, Pitch Pocket, Second Layer	Annex Gym Roof, Pitch Pocket, Second Layer	Annex Roof 2, Pitch Pocket	Annex Roof 2, Pitch Pocket
Sample Description	Pitch Pocket Filter	Pitch Pocket Filter	Tar	Tar
Analytical Method	NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered Homogenous Fibrous Color	No Yes No Black	No Yes No Gray	No Yes No Gray
Asbestos Content	% Amosite % Chrysotile % Other  % Total Asbestos	0.0 0.0 0.0  0.0	0.0 0.0 0.0  0.0	0.0 0.0 0.0  0.0
Other Materials Present	% Organic % Carbonates % Other Inorganic	86.4 2.7 10.9	87.0 8.6 4.4	65.5 31.4 3.1

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Sample ID Number		4194-41	4194-42	4194-43	4194-44
Layer Number					
Lab ID Number		2782525	2782526	2782527	2782528
Sample Location		Annex Roof 1, Annex Gym Wall to Metal Perimeter, White	Annex Roof 1, Annex Gym Wall to Metal Perimeter, White	Annex Roof 1, Annex Gym Wall to Metal, Gray	Annex Roof 1, Annex Gym Wall to Metal, Gray
Sample Description		Caulk	Caulk	Caulk	Caulk
Analytical Method		NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	No	No	No
	Color	Gray/White	Gray/White	Gray	Gray
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	72.0	72.4	37.6	36.5
	% Carbonates	19.6	20.3	52.1	53.5
	% Other Inorganic	8.4	7.3	10.3	10.0

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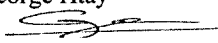
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Sample ID Number	4194-45	4194-46	4194-47	4194-48
Layer Number				
Lab ID Number	2782529	2782530	2782531	2782532
Sample Location	Annex Roof 2, Annex Gym Wall to Metal Perimeter, Gray	Annex Roof 2, Parapit Wall Metal Cap to Brick, Gray	Annex Roof 2, Perimeter, Brick to Metal, Tan	Annex Roof 2, Perimeter, Brick to Metal, Tan
Sample Description	Caulk	Caulk	Caulk	Caulk
Analytical Method	NOB Plm	NOB Plm	NOB Plm	NOB Plm
Appearance	Layered Homogenous Fibrous Color	No Yes No Gray	No Yes No Tan	No Yes No Tan
Asbestos Content	% Amosite % Chrysotile % Other  % Total Asbestos	0.0 0.0 0.0  0.0	0.0 0.0 0.0  0.0	0.0 0.0 0.0  0.0
Other Materials Present	% Organic % Carbonates % Other Inorganic	61.3 11.7 27.0	69.3 21.9 8.8	41.3 56.9 1.8
				39.6 59.0 1.4

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted.

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These Results Cannot Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing (Unless "% Other Inorganic", As Reported Above, Is Less Than One Percent).


This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



## Bulk Sample Results

RE: CPN Q21-4194 - North Rockland CSD - North Rockland High School - Roof Survey

Date Collected : 08/20/2021  
 Collected By : Nick Salerno/Daniel Kelly  
 Date Received : 08/23/2021  
 Date Analyzed : 09/01/2021  
 Analyzed By : George Htay  
 Signature :   
 Analytical Method : NYS-DOH 198.6  
 NVLAP Lab No. 101646-0  
 NVLAP Lab Code : 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

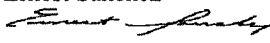
Sample ID Number	4194-49	4194-50
Layer Number		
Lab ID Number	2782533	2782534
Sample Location	Annex Roof 2, Perimeter, Metal to Brick, White	Annex Roof 2, Perimeter, Metal to Brick, White
Sample Description	Caulk	Caulk
Analytical Method	NOB Plm	NOB Plm
Appearance	Layered Homogenous Fibrous Color	No Yes No White
Asbestos Content	% Amosite % Chrysotile % Other  % Total Asbestos	0.0 0.0 0.0  0.0
Other Materials Present	% Organic % Carbonates  % Other Inorganic	35.8 52.8  11.4
		0.0 0.0 0.0  0.0  35.1 54.1  10.8

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## Bulk Sample Results

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 Analyzed By : Ernest Sanchez  
 Signature :   
 Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590


Sample ID Number		4194-03	4194-04	4194-05	4194-06
Layer Number		1	1		
Lab ID Number		2782499	2782500	2782501	2782502
Sample Location		Annex Roof 1, Field, Second & Third Layers, Below EPDM	Annex Gym Roof, Perimeter, Second & Third Layers, Below EPDM	Annex Roof 1, Field, Fourth Layer, Below Isofoam	Annex Gym Roof, Perimeter, Fourth Layer, Below Isofoam
Sample Description		Vapor Barrier & Isofoam (Vapor Barrier Layer)	Vapor Barrier & Isofoam (Vapor Barrier Layer)	Vapor Barrier	Vapor Barrier
Analytical Method		NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	Yes	Yes	Yes	Yes
	Color	Black	Black	Black	Black
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	83.1	81.6	84.8	86.4
	% Carbonates	10.6	2.2	5.1	2.2
	% Other Inorganic	6.3	16.2	10.1	11.4

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## Bulk Sample Results

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 Analyzed By : Ernest Sanchez  
 Signature :   
 Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number		4194-11	4194-12	4194-15	4194-16
Layer Number				1	1
Lab ID Number		2782503	2782504	2782505	2782506
Sample Location		Annex Roof 2, Field, Top Layer, On Perlite	Annex Roof 3, Perimeter, Top Layer, On Perlite	Annex Roof 2, Field, Third & Fourth Layers	Annex Roof 3, Perimeter, Third & Fourth Layers
Sample Description		EPDM	EPDM	Vapor Barrier & Isofoam (Vapor Barrier Layer)	Vapor Barrier & Isofoam (Vapor Barrier Layer)
Analytical Method		NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	Yes	Yes	Yes	Yes
	Color	Black	Black	Black	Black
Asbestos	% Amosite	0.0	0.0	0.0	0.0
Content	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other	% Organic	90.0	89.5	82.3	84.3
Materials	% Carbonates	2.6	1.4	8.0	3.7
Present	% Other Inorganic	7.4	9.1	9.7	12.0

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 AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936




EAS Batch No. 2107019

**Eastern Analytical Services, Inc.**

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**Bulk Sample Results**

RE: CPN Q21-4194 - North Rockland CSD - North Rockland High School - Roof Survey

Date Collected : 08/20/2021  
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 Analyzed By : Ernest Sanchez  
 Signature :   
 Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number	4194-17	4194-18	4194-29	4194-30
Layer Number				
Lab ID Number	2782507	2782508	2782513	2782514
Sample Location	Annex Roof 2, Field, Fifth Layer, On Gypsum	Annex Roof 3, Perimeter, Fifth Layer, On Gypsum	Annex Roof 1, On Metal Vent Pipe, Grey	Annex Roof 1, On Metal Vent Pipe, Grey
Sample Description	Vapor Barrier	Vapor Barrier	Flashing Tar	Flashing Tar
Analytical Method	NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered Homogenous Fibrous Color	No Yes Yes Black	No Yes Yes Black	No Yes No Black
Asbestos Content	% Amosite % Chrysotile % Other  % Total Asbestos	0.0 0.0 0.0  0.0	0.0 0.0 0.0  < 0.1	0.0 0.0 0.0  0.0
Other Materials Present	% Organic % Carbonates % Other Inorganic	82.5 5.2 12.3	85.0 4.8 10.2	46.3 47.7 6.0
				43.6 49.1 7.3

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EAS Batch No. 2107019

**Eastern Analytical Services, Inc.**

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**Bulk Sample Results**

RE: CPN Q21-4194 - North Rockland CSD - North Rockland High School - Roof Survey

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 Analyzed By : Ernest Sanchez  
 Signature :   
 Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851


Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number		4194-31	4194-32	4194-33	4194-34
Layer Number					
Lab ID Number		2782515	2782516	2782517	2782518
Sample Location		Annex Roof 3, On Mechanical Unit, Black	Annex Roof 3, On Mechanical Unit, Black	Annex Roof 1, Brick to Perimeter, Black	Annex Roof 1, Annex Gym Wall to Metal Perimeter, Black
Sample Description		Flashing Tar	Flashing Tar	Flashing Tar	Flashing Tar
Analytical Method		NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	No	No	No
	Color	Black	Black	Black	Black
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	< 0.1	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	< 0.1	0.0
Other Materials Present	% Organic	54.6	53.9	45.4	34.3
	% Carbonates	29.9	32.4	49.3	60.8
	% Other Inorganic	15.5	13.7	5.3	4.9

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**Bulk Sample Results**

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 Signature :   
 Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number		4194-35	4194-36	4194-37	4194-38
Layer Number					
Lab ID Number		2782519	2782520	2782521	2782522
Sample Location		Annex Gym Roof, Pitch Pocket, Top Layer	Annex Gym Roof, Pitch Pocket, Top Layer	Annex Gym Roof, Pitch Pocket, Second Layer	Annex Gym Roof, Pitch Pocket, Second Layer
Sample Description		Pitch Pocket Filter	Pitch Pocket Filter	Pitch Pocket Filter	Pitch Pocket Filter
Analytical Method		NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	No	No	No
	Color	Black	Black	Black	Black
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	69.9	66.0	86.4	87.0
	% Carbonates	25.6	31.3	2.7	8.6
	% Other Inorganic	4.5	2.7	10.9	4.4


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AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



## Bulk Sample Results

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 Analyzed By : Ernest Sanchez  
 Signature :   
 Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

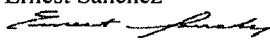
Sample ID Number		4194-39	4194-40	4194-41	4194-42
Layer Number					
Lab ID Number		2782523	2782524	2782525	2782526
Sample Location		Annex Roof 2, Pitch Pocket	Annex Roof 2, Pitch Pocket	Annex Roof 1, Annex Gym Wall to Metal Perimeter, White	Annex Roof 1, Annex Gym Wall to Metal Perimeter, White
Sample Description		Tar	Tar	Caulk	Caulk
Analytical Method		NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	No	No	No
	Color	Gray	Gray	Gray/White	Gray/White
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	65.5	65.8	72.0	72.4
	% Carbonates	31.4	31.4	19.6	20.3
	% Other Inorganic	3.1	2.8	8.4	7.3

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 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590


Sample ID Number		4194-43	4194-44	4194-45	4194-46
Layer Number					
Lab ID Number		2782527	2782528	2782529	2782530
Sample Location		Annex Roof 1, Annex Gym Wall to Metal, Gray	Annex Roof 1, Annex Gym Wall to Metal, Gray	Annex Roof 2, Annex Gym Wall to Metal Perimeter, Gray	Annex Roof 2, Parapit Wall Metal Cap to Brick, Gray
Sample Description		Caulk	Caulk	Caulk	Caulk
Analytical Method		NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	No	No	No
	Color	Gray	Gray	Gray	Gray
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	1.5	1.5	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	1.5	1.5	0.0	0.0
Other Materials Present	% Organic	37.6	36.5	61.3	69.3
	% Carbonates	52.1	53.5	11.7	21.9
	% Other Inorganic	8.8	8.5	27.0	8.8

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 Signature :   
 Analytical Method : NYS-DOH 198.4  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number	4194-47	4194-48	4194-49	4194-50
Layer Number				
Lab ID Number	2782531	2782532	2782533	2782534
Sample Location	Annex Roof 2, Perimeter, Brick to Metal, Tan	Annex Roof 2, Perimeter, Brick to Metal, Tan	Annex Roof 2, Perimeter, Metal to Brick, White	Annex Roof 2, Perimeter, Metal to Brick, White
Sample Description	Caulk	Caulk	Caulk	Caulk
Analytical Method	NOB Tem	NOB Tem	NOB Tem	NOB Tem
Appearance	Layered Homogenous Fibrous Color	No Yes No Tan	No Yes No White	No Yes No White
Asbestos Content	% Amosite % Chrysotile % Other  % Total Asbestos	0.0 0.0 0.0  0.0	0.0 0.0 0.0  2.8	0.0 2.7 0.0  2.7
Other Materials Present	% Organic % Carbonates % Other Inorganic	41.3 56.9 1.8	39.6 59.0 1.4	35.8 52.8 8.6

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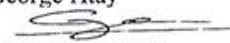
EAS Batch No. 2107017

**Eastern Analytical Services, Inc.**

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**Bulk Sample Results**

RE: CPN Q21-4194 - North Rockland CSD - North Rockland High School - Roof Survey

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 Analyzed By : George Htay  
 Signature :   
 Analytical Method : NYS-DOH 198.1  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client: QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number		4194-07	4194-08	4194-09	4194-10
Layer Number					
Lab ID Number		2782951	2782952	2782953	2782954
Sample Location		Annex Roof 1, Field, Bottom Layer, Below Vapor Barrier	Annex Gym Roof, Perimeter, Bottom Layer, Below Vapor Barrier	Annex Roof 1, Perimeter, Below EPDM	Annex Gym Roof, Perimeter Below EPDM
Sample Description		Gypsum Deck	Gypsum Deck	Concrete	Concrete
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	No
	Homogenous	No	No	No	No
	Fibrous	No	No	No	No
	Color	White/Gray	White/Gray	Gray/Brown	Gray/Brown
Sample Treatment		Homogenized	Homogenized	Homogenized	Homogenized
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	0.0	0.0	0.0
	% Cellulose	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	10.0	10.0	15.0	20.0
	% Carbonates	40.0	45.0	40.0	35.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	50.0	45.0	45.0	45.0

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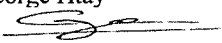
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AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



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 Analyzed By : George Htay  
 Signature :   
 Analytical Method : NYS-DOH 198.1  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client: QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number	4194-13	4194-14	4194-19	4194-20
Layer Number				
Lab ID Number	2782955	2782956	2782957	2782958
Sample Location	Annex Roof 2, Field, Second Layer, On Vapor Barrier	Annex Roof 3, Perimeter, Second Layer, On Vapor Barrier	Annex Roof 2, Field, Bottom Layer, Below Vapor Barrier	Annex Roof 3, Perimeter, Bottom Layer, Below Vapor Barrier
Sample Description	Perlite	Perlite	Gypsum Deck	Gypsum Deck
Method of Quantification	Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered Homogenous Fibrous Color	No No Yes Brown	No No No White/Brown	No No No Gray/Brown
Sample Treatment	Homogenized	Homogenized	Homogenized	Homogenized
Asbestos Content	% Amosite % Chrysotile % Other % Total Asbestos	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
Other Fibrous Materials Present	% Fibrous Glass % Cellulose % Other % Unidentified	0.0 40.0 0.0 0.0	0.0 40.0 0.0 0.0	0.0 0.0 0.0 0.0
Non-Fibrous Materials Present	% Silicates % Carbonates % Other % Unidentified	10.0 0.0 20.0 30.0	10.0 0.0 20.0 30.0	10.0 50.0 0.0 40.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.

Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy  $\pm 17\%$ . Samples received in acceptable condition unless otherwise noted.


AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936





## Bulk Sample Results

RE: CPN Q21-4194 - North Rockland CSD - North Rockland High School - Roof Survey

Date Collected : 08/23/2021  
 Collected By : Nick Salerno/Daniel Kelly  
 Date Received : 08/23/2021  
 Date Analyzed : 08/30/2021  
 Analyzed By : George Htay  
 Signature :   
 Analytical Method : NYS-DOH 198.1  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client: QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number	4194-21	4194-22	4194-23	4194-23
Layer Number			1	2
Lab ID Number	2782959	2782960	2782961	2782961
Sample Location	Annex Roof 2, Perimeter, Wall, Under EPDM	Annex Roof 3, Perimeter, Wall, Under EPDM	Annex Roof 1, Annex Gym Wall	Annex Roof 1, Annex Gym Wall
Sample Description	Concrete	Concrete	Brick & Mortar (Brick Layer)	Brick & Mortar (Mortar Layer)
Method of Quantification	Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	Yes	No
	Homogenous	No	No	Yes
	Fibrous	No	No	No
	Color	Brown/Gray	Brown/Black	Gray
Sample Treatment	Homogenized	Homogenized	Homogenized	None
Asbestos	% Amosite	0.0	0.0	0.0
Content	% Chrysotile	0.0	0.0	0.0
	% Other	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0
Other Fibrous	% Fibrous Glass	0.0	0.0	0.0
Materials	% Cellulose	0.0	0.0	0.0
Present	% Other	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0
Non-Fibrous	% Silicates	20.0	35.0	35.0
Materials	% Carbonates	35.0	0.0	25.0
Present	% Other	0.0	0.0	0.0
	% Unidentified	45.0	65.0	40.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.

Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

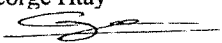
These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy  $\pm 17\%$ . Samples received in acceptable condition unless otherwise noted.

AIHA LAP, LLC No. 109263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



**Eastern Analytical Services, Inc.****Bulk Sample Results**

RE: CPN Q21-4194 - North Rockland CSD - North Rockland High School - Roof Survey

Date Collected : 08/23/2021  
 Collected By : Nick Salerno/Daniel Kelly  
 Date Received : 08/23/2021  
 Date Analyzed : 08/30/2021  
 Analyzed By : George Htay  
 Signature :   
 Analytical Method : NYS-DOH 198.1  
 NVLAP Lab Code : 101646-0  
 NYS Lab No. 10851

Client: QuES&T, Inc.  
 1376 Route 9  
 Wappingers Falls, NY 12590

Sample ID Number	4194-24	4194-24
Layer Number	1	2
Lab ID Number	2782962	2782962
Sample Location	Annex Roof 1, Annex Gym Wall	Annex Roof 1, Annex Gym Wall

Sample Description	Brick & Mortar (Brick Layer)	Brick & Mortar (Mortar Layer)
--------------------	---------------------------------	----------------------------------

Method of Quantification	Visual Estimation	Visual Estimation
Appearance		
Layered	No	No
Homogenous	No	Yes
Fibrous	No	No
Color	Brown	Gray

Sample Treatment	Homogenized	None
Asbestos		
% Amosite	0.0	0.0
Content		
% Chrysotile	0.0	0.0
% Other	0.0	0.0
% Total Asbestos	0.0	0.0
Other Fibrous		
% Fibrous Glass	0.0	0.0
Materials		
% Cellulose	0.0	0.0
Present		
% Other	0.0	0.0
% Unidentified	0.0	0.0
Non-Fibrous		
% Silicates	35.0	35.0
Materials		
% Carbonates	0.0	30.0
Present		
% Other	0.0	0.0
% Unidentified	65.0	35.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.

Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy  $\pm 17\%$ . Samples received in acceptable condition unless otherwise noted.

AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



# Technical Report

prepared for:

**QuES & T**  
1376 Rt. 9  
Wappingers Falls NY, 12590  
**Attention: Ken Eck**

Report Date: 09/02/2021

**Client Project ID: Q21-4194 North Rockland CSD High School Roof**

York Project (SDG) No.: 21H1269

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
www.YORKLAB.com

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 09/02/2021  
Client Project ID: Q21-4194 North Rockland CSD High School Roof  
York Project (SDG) No.: 21H1269

**QuES & T**  
1376 Rt. 9  
Wappingers Falls NY, 12590  
Attention: Ken Eck

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 25, 2021 and listed below. The project was identified as your project: **Q21-4194 North Rockland CSD High School Roof.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

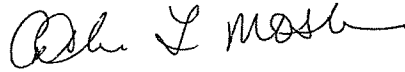
Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H1269-01	4194-PCB-01	Caulk	08/20/2021	08/25/2021
21H1269-02	4194-PCB-02	Caulk	08/20/2021	08/25/2021
21H1269-03	4194-PCB-03	Caulk	08/20/2021	08/25/2021
21H1269-04	4194-PCB-04	Caulk	08/20/2021	08/25/2021
21H1269-05	4194-PCB-05	Caulk	08/20/2021	08/25/2021

## **General Notes for York Project (SDG) No.: 21H1269**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

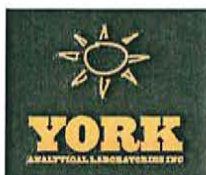
**Approved By:**



Cassie L. Mosher  
Laboratory Manager

**Date:** 09/02/2021





### Sample Information

Client Sample ID: 4194-PCB-01

York Sample ID: 21H1269-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H1269

Q21-4194 North Rockland CSD High School Roof

Caulk

August 20, 2021 3:00 pm

08/25/2021

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.420	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 20:52	BJ
11104-28-2	Aroclor 1221	ND		mg/kg	0.420	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 20:52	BJ
11141-16-5	Aroclor 1232	ND		mg/kg	0.420	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 20:52	BJ
53469-21-9	Aroclor 1242	ND		mg/kg	0.420	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 20:52	BJ
12672-29-6	Aroclor 1248	ND		mg/kg	0.420	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 20:52	BJ
11097-69-1	Aroclor 1254	ND		mg/kg	0.420	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 20:52	BJ
11096-82-5	Aroclor 1260	ND		mg/kg	0.420	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 20:52	BJ
336-36-3	* Total PCBs	ND		mg/kg	0.420	1	EPA 8082A Certifications:	08/30/2021 13:23	08/31/2021 20:52	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	46.0 %	30-140							

### Sample Information

Client Sample ID: 4194-PCB-02

York Sample ID: 21H1269-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H1269

Q21-4194 North Rockland CSD High School Roof

Caulk

August 20, 2021 3:00 pm

08/25/2021

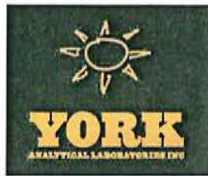
### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.291	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:06	BJ
11104-28-2	Aroclor 1221	ND		mg/kg	0.291	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:06	BJ
11141-16-5	Aroclor 1232	ND		mg/kg	0.291	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:06	BJ
53469-21-9	Aroclor 1242	ND		mg/kg	0.291	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:06	BJ
72-29-6	Aroclor 1248	ND		mg/kg	0.291	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:06	BJ



## Sample Information

**Client Sample ID:** 4194-PCB-02

**York Sample ID:** 21H1269-02

**York Project (SDG) No.**

21H1269

**Client Project ID**

Q21-4194 North Rockland CSD High School Roof

**Matrix**

Caulk

**Collection Date/Time**

August 20, 2021 3:00 pm

**Date Received**

08/25/2021

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg	0.291	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:06	BJ
11096-82-5	Aroclor 1260	ND		mg/kg	0.291	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:06	BJ
1336-36-3	* Total PCBs	ND		mg/kg	0.291	1	EPA 8082A Certifications:	08/30/2021 13:23	08/31/2021 21:06	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	90.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	46.5 %		30-140						

## Sample Information

**Client Sample ID:** 4194-PCB-03

**York Sample ID:** 21H1269-03

**York Project (SDG) No.**

21H1269

**Client Project ID**

Q21-4194 North Rockland CSD High School Roof

**Matrix**

Caulk

**Collection Date/Time**

August 20, 2021 3:00 pm

**Date Received**

08/25/2021

### Polychlorinated Biphenyls (PCB)

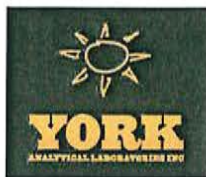
#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.439	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:19	BJ
11104-28-2	Aroclor 1221	ND		mg/kg	0.439	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:19	BJ
11141-16-5	Aroclor 1232	ND		mg/kg	0.439	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:19	BJ
53469-21-9	Aroclor 1242	ND		mg/kg	0.439	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:19	BJ
12672-29-6	Aroclor 1248	ND		mg/kg	0.439	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:19	BJ
11097-69-1	Aroclor 1254	ND		mg/kg	0.439	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:19	BJ
11096-82-5	Aroclor 1260	ND		mg/kg	0.439	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:19	BJ
1336-36-3	* Total PCBs	ND		mg/kg	0.439	1	EPA 8082A Certifications:	08/30/2021 13:23	08/31/2021 21:19	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	86.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	48.5 %		30-140						





### Sample Information

Client Sample ID: 4194-PCB-04

York Sample ID: 21H1269-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H1269

Q21-4194 North Rockland CSD High School Roof

Caulk

August 20, 2021 3:00 pm

08/25/2021

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.431	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:33	BJ
11104-28-2	Aroclor 1221	ND		mg/kg	0.431	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:33	BJ
11141-16-5	Aroclor 1232	ND		mg/kg	0.431	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:33	BJ
53469-21-9	Aroclor 1242	ND		mg/kg	0.431	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:33	BJ
12672-29-6	Aroclor 1248	ND		mg/kg	0.431	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:33	BJ
11097-69-1	Aroclor 1254	ND		mg/kg	0.431	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:33	BJ
11096-82-5	Aroclor 1260	ND		mg/kg	0.431	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:33	BJ
1136-36-3	* Total PCBs	ND		mg/kg	0.431	1	EPA 8082A Certifications:	08/30/2021 13:23	08/31/2021 21:33	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	88.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	51.0 %	30-140							

### Sample Information

Client Sample ID: 4194-PCB-05

York Sample ID: 21H1269-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H1269

Q21-4194 North Rockland CSD High School Roof

Caulk

August 20, 2021 3:00 pm

08/25/2021

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.407	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:47	BJ
11104-28-2	Aroclor 1221	ND		mg/kg	0.407	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:47	BJ
11141-16-5	Aroclor 1232	ND		mg/kg	0.407	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:47	BJ
53469-21-9	Aroclor 1242	ND		mg/kg	0.407	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:47	BJ
12672-29-6	Aroclor 1248	ND		mg/kg	0.407	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:47	BJ
11097-69-1	Aroclor 1254	ND		mg/kg	0.407	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	08/30/2021 13:23	08/31/2021 21:47	BJ



## Sample Information

**Client Sample ID:** 4194-PCB-05

**York Sample ID:** 21H1269-05

York Project (SDG) No.

21H1269

Client Project ID

Q21-4194 North Rockland CSD High School Roof

Matrix

Caulk

Collection Date/Time

August 20, 2021 3:00 pm

Date Received

08/25/2021

### Polychlorinated Biphenyls (PCB)

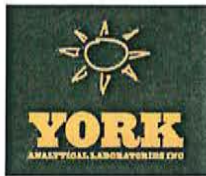
### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg	0.407	1	EPA 8082A Certifications: NELAC-NY10854,CTDOI,NJDEP	08/30/2021 13:23	08/31/2021 21:47	BJ
1336-36-3	* Total PCBs	ND		mg/kg	0.407	1	EPA 8082A Certifications:	08/30/2021 13:23	08/31/2021 21:47	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	57.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	37.0 %								





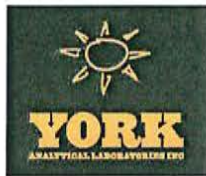
## Analytical Batch Summary

Batch ID: BH11679

Preparation Method: EPA 3550C

Prepared By: EMS

YORK Sample ID	Client Sample ID	Preparation Date
21H1269-01	4194-PCB-01	08/30/21
21H1269-02	4194-PCB-02	08/30/21
21H1269-03	4194-PCB-03	08/30/21
21H1269-04	4194-PCB-04	08/30/21
21H1269-05	4194-PCB-05	08/30/21
BH11679-BLK1	Blank	08/30/21
BH11679-BS1	LCS	08/30/21
BH11679-BSD1	LCS Dup	08/30/21

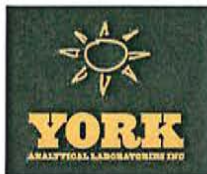


## Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH11679 - EPA 3550C</b>											
<b>Blank (BH11679-BLK1)</b>						Prepared: 08/30/2021 Analyzed: 08/31/2021					
Aroclor 1016	ND	0.0166	mg/kg								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0591		"	0.0664		89.0	30-140				
Surrogate: Decachlorobiphenyl	0.0316		"	0.0664		47.5	30-140				
<b>LCS (BH11679-BS1)</b>						Prepared: 08/30/2021 Analyzed: 08/31/2021					
Aroclor 1016	0.306	0.0166	mg/kg	0.332		92.2	40-130				
Aroclor 1260	0.296	0.0166	"	0.332		89.1	40-130				
Surrogate: Tetrachloro-m-xylene	0.0493		"	0.0664		74.5	30-140				
Surrogate: Decachlorobiphenyl	0.0266		"	0.0664		40.0	30-140				
<b>LCS Dup (BH11679-BSD1)</b>						Prepared: 08/30/2021 Analyzed: 08/31/2021					
Aroclor 1016	0.318	0.0166	mg/kg	0.332		95.9	40-130		3.89	25	
Aroclor 1260	0.319	0.0166	"	0.332		96.1	40-130		7.58	25	
Surrogate: Tetrachloro-m-xylene	0.0512		"	0.0664		77.0	30-140				
Surrogate: Decachlorobiphenyl	0.0292		"	0.0664		44.0	30-140				
<b>Batch Y110116 - BH11681</b>											
<b>Aroclor Reference (Y110116-ARC1)</b>						Prepared & Analyzed: 08/31/2021					
Surrogate: Tetrachloro-m-xylene	0.182		ug/mL	0.200		91.0					
Surrogate: Decachlorobiphenyl	0.156		"	0.200		78.0					





## Sample and Data Qualifiers Relating to This Work Order

S-08 The recovery of this surrogate was outside of QC limits.

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW -846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



BULK SAMPLE FORM

## York Analytical Laboratories, Inc.

120 Research Drive  
Stratford, CT 06615  
ph. (203) 325-1371  
fx. (203) 357-0166

## Field Chain-of-Custody Record

Rec'd Chic C York 8-25-21 1520  
Rel. Chic C York 8-25-21 1520

Company: QuES&T1376 Route 9Wappingers Falls, NY 12590Results Send Via: aholzalfel@qualityenv.comInvoice to: Angela HozalpfelSampled By (Print): Nicholas Salerno & Daniel KellySampled By (Sign.): Nicholas SalernoProject #: Q21-4194Project ID: North Rockland CSD - High School  
Roof Survey

SAMPLE #	LOCATION	SAMPLE DATE	MATRIX	ANALYSIS REQUESTED	CONTAINER
4194-PCB-01	Annex Roof 1, Annex Gym Wall to Metal Perimeter	8/20/2021	Caulk (White)	PCB	4 OZ Glass jar
4194-PCB-02	Annex Roof 1, Main Roof Wall to Metal	8/20/2021	Caulk (Grey)	PCB	4 OZ Glass jar
4194-PCB-03	Annex Roof 2, Brick Wall to Metal Perimeter	8/20/2021	Caulk (Grey)	PCB	4 OZ Glass jar
4194-PCB-04	Annex Roof 2, Perimeter, Brick to Metal	8/20/2021	Caulk (Tan)	PCB	4 OZ Glass jar
4194-PCB-05	Annex Roof 2, Perimeter, Metal to Brick	8/20/2021	Caulk (White)	PCB	4 OZ Glass jar

ANALYSIS TURNAROUND: Standard TATLAB: TC Hall 8/25/21 15202.0°C PAGE 1 OF 1