



**PRECISION  
ANALYSIS, INC.**  
BULK SAMPLE ANALYSIS

Client: Tetra Tech, Inc.  
Project Name: 34<sup>th</sup> & Park Ave. - Warehouse Fire  
Project Number: X9025140001.039

Date Received: 11-17-15

Date Reported: 11-17-15

**Technique: Polarized Light Microscopy with Dispersion Staining  
In accordance with EPA/600/R-93/116 Test Method**

Lab No.	Sample No.	Asbestos Detected & Percentage *	Fibrous Material	Non-Fibrous Material
	<b>West Side of 39<sup>th</sup> St. North of Park Ave. - Burnt Black Piece</b>			
326656	1	None Detected	Glass Wool	Black Tar Binders
	<b>West Side of 39<sup>th</sup> St. North of Park Ave. - Burnt Fibrous</b>			
326657	2	None Detected	Glass Wool	Black Tar Binders, Binders, Aluminum
	<b>West Side of 39<sup>th</sup> St. North of Park Ave. - Burnt Cardboard</b>			
326658	3	None Detected	Cellulose	Binders
	<b>West Side of 39<sup>th</sup> St. North of Park Ave. - Burnt Brittle</b>			
326659	4	None Detected	Glass Wool	Black Tar Binders
	<b>West Side of 39<sup>th</sup> St. North of Park Ave. - Burnt Brittle</b>			
326660	5	None Detected	Glass Wool	Black Tar Binders, Aggregate
	<b>North West Corner of 39<sup>th</sup> St. &amp; Park - Burnt Brittle</b>			
326661	6	None Detected		Black Tar Binders, Aggregate
	<b>South West Corner of 39<sup>th</sup> St. &amp; Park Ave. - Burnt Brittle</b>			
326662	7	None Detected	Cellulose	Black Tar Binders
	<b>North Side of Park West of 39<sup>th</sup> - Fibrous Cloth</b>			
326663	8	None Detected	Glass Wool	Black Tar Binders
	<b>North Side of Park West of 39<sup>th</sup> - Brittle</b>			
326664	9	None Detected	Cellulose, Glass Wool	Black Tar Binders

\* The upper detection limit is 100 percent.  
The lower detection limit is less than 1 percent.



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Lab No.	Sample No.	Asbestos Detected & Percentage *	Fibrous Material	Non-Fibrous Material
		<b>North Side of Park West of 39<sup>th</sup> - Fibrous Brittle</b>		
326665	10	None Detected	Glass Wool	Black Tar Binders
		<b>North Side of Park West of 39<sup>th</sup> - Fibrous</b>		
326666	11	None Detected	Glass Wool	Black Tar Binders
		<b>North of Park West of 39<sup>th</sup> - Fibrous</b>		
326667	12	None Detected	Cellulose, Glass Wool	Black Tar Binders
		<b>South Side of Park West of 39<sup>th</sup> - Fibrous</b>		
326668	13	None Detected	Glass Wool	Black Tar Binders
		<b>South Side of Park West of 39<sup>th</sup> - Fibrous</b>		
326669	14	None Detected	Glass Wool	Black Tar Binders
		<b>South Side of Park West of 39<sup>th</sup> - Fibrous</b>		
326670	15	None Detected	Glass Wool	Black Tar Binders
		<b>South Side of Park West of 39<sup>th</sup> - Brittle</b>		
326671	16	None Detected	Cellulose, Glass Wool	Black Tar Binders
		<b>South Side Warehouse Rubble - Possible Roofing Material</b>		
326672	17	15-20% Chrysotile	Glass Wool	Black Tar Binders, Binders, Paint
		<b>South Side Warehouse Rubble - Fibrous Building Material</b>		
326673	18	10-15% Chrysotile	Cellulose, Glass Wool	Black Tar Binders, Binders, Paint
		<b>South Side Warehouse Rubble - Flexible</b>		
326674	19	None Detected	Cellulose	Black Tar Binders

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The lower detection limit is less than 1 percent.



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Lab No.	Sample No.	Asbestos Detected & Percentage *	Fibrous Material	Non-Fibrous Material
<b>Behind Warehouse - Fibrous Building Material</b>				
326675	20	None Detected	Glass Wool	Black Tar Binders
<b>Behind Warehouse - Fibrous Cloth</b>				
326676	21	5-10% Chrysotile	Glass Wool	Black Tar Binders

\* The upper detection limit is 100 percent.  
 The lower detection limit is less than 1 percent.

Paul Spell  
 Laboratory Director

AIHA Bulk Asbestos Proficiency Analytical Testing Program ID # 101228  
 In Association with RTI Center for Measurements and Quality Assurance

PLM is not recommended for analysis of vinyl floor tile. Vinyl floor tile often contains milled asbestos with fiber lengths of 1 micrometer or less. Because these fibers are not detected by PLM, PLM analysis may yield a false negative result. We recommend qualitative analysis of vinyl floor tile by Transmission Electron Microscopy (TEM).

Precision Analysis assumes no responsibility for financial or health consequences for action or lack of action taken by our clients or their agents as a result of these analytical reports. Since Precision Analysis was not involved in the collection of these samples, we cannot attest to the proper collection of said samples and therefore are neither responsible nor liable for the accuracy, validity or completeness of the sample collection.

# CHAIN OF CUSTODY

Page 1 of 2 page(s)

DATE: 11-17-2017

TAT: Immediate

Same Day  24 Hr  48 Hr  72 Hr  96 Hr  5 Day

CLIENT: Tetra Tech

JOB NAME: 34th + Park Ave Warehouse Fire

JOB NUMBER: X9025140001.039

Please send results to:  
 gbattner@seagullenvirotech.com  
 Smith.Heath@epa.gov

Sample ID	Analysis	Material Location	Approximate Quantity	Material Description	Condition
WF-001	PLM	38.62167 West side of 34th St, N of Park Ave		Burnt black <del>piece</del>	Burnt, brittle
WF-002	PLM	38.62172 W side of 34th St, N of Park Ave		Burnt Fibrous	Burnt
WF-003	PLM	38.62164 W side of 34th St, N of Park Ave		Burnt cardboard	Burnt
WF-004	PLM	38.62175 W side of 34th St, N of Park Ave		Burnt, brittle	Burnt
WF-005	PLM	38.62175 W side of 34th St, N of Park Ave		Burnt, brittle	Burnt
WF-006	PLM	38.62143 NW corner of 34th + Park		Burnt, brittle	Burnt
WF-007	PLM	38.62129 SW corner of 34th + Park		Burnt, brittle	Burnt
WF-008	PLM	38.62143 N side of Park, W of 34th		Fibrous, cloth	Burnt
WF-009	PLM	38.62146 N side of Park, W of 34th		Drittle	Burnt
WF-010	PLM	38.62146 N side of Park, W of 34th		Fibrous, brittle	Burnt
WF-011	PLM	38.62148 N side of Park, W of 34th		Fibrous	Burnt
WF-012	PLM	38.62150 N of Park, W of 34th		Fibrous	Burnt
WF-013	PLM	38.62147 N side of Park, W of 34th		Fibrous	Burnt
WF-014	PLM	38.62132 S side of Park, W of 34th		Fibrous	Burnt
WF-015	PLM	38.62132 S of Park, W of 34th		Fibrous	Burnt

Check for Stop on First Positive

S.F. - Square Feet L.F. - Linear Feet

Relinquished By: 

Date: 11-17-17

Received By:



Date: NOV 17 2017

BY: \_\_\_\_\_

RECEIVED

# CHAIN OF CUSTODY

Page 2 of 2 page(s)

DATE: 11-17-2017 TAT: Immediate  Same Day  24 Hr  48 Hr  72 Hr  96 Hr  5 Day

CLIENT: Tetra Tech JOB NAME: \_\_\_\_\_ JOB NUMBER: \_\_\_\_\_

Sample ID	Analysis	Material Location	Approximate Quantity	Material Description	Condition
WF-016	PLM	38.62134 -90.24548 S side of Bldg, West 3rd th		Brittle	Burnt
WF-017	PLM	38.62145 -90.24576 South side warehouse rubble		Possible roofing material	Partially burnt
WF-018	PLM	38.62144 -90.24589 South side warehouse rubble		Fibrous building material	Partially burnt
WF-019	PLM	38.62148 -90.24604 South side warehouse rubble		Flexible	Burnt
WF-020	PLM	38.62148 -90.24606 Behind warehouse		Fibrous bldg material	Burnt
WF-021	PLM	38.62165 -90.24637 Behind warehouse		Fibrous cloth	Partially burnt
	PLM				
	PLM				
	PLM				
	PLM				
	PLM				
	PLM				
	PLM				
	PLM				
	PLM				
	PLM				
	PLM				

Check for Stop on First Positive

S.F. - Square Feet L.F. - Linear Feet

Relinquished By: [Signature] Date: 11-17-17 Received By: \_\_\_\_\_

RECEIVED

Date: **NOV 17 2017**

BY: \_\_\_\_\_