



# EMSL Analytical, Inc.

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EMSL Order: 041433277  
CustomerID: GLOB50  
CustomerPO: PHL15-0050  
ProjectID:

**Jim Sirles**  
**Global Associates**  
**Naval Business Center**  
**4701 S. 16th Street, Bldg. 545**  
**Philadelphia, PA 19112-5095**

Phone: (215) 897-2097  
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Received: 11/07/14 12:55 PM  
Analysis Date: 11/13/2014  
Collected:

Project: Building #545 Navy Yard / Philadelphia, PA 19112-5095 / EX-STEVEN W. GROVES (FFG29) / 149-0501

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
FFG29-17-Insulation 041433277-0017A	- 3-144-0-L Berthing	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
FFG29-18-Wrap 041433277-0018	- 3-180-5-A Dry Provision Storeroom	White Non-Fibrous Homogeneous	20% Glass 10% Cellulose	70% Non-fibrous (other)	None Detected
FFG29-18-Insulation 041433277-0018A	- 3-180-5-A Dry Provision Storeroom	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
FFG29-19-Wrap 13277-0019	- 3-200-2-E Elevator Machinery Room	White Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
FFG29-19-Insulation 041433277-0019A	- 3-200-2-E Elevator Machinery Room	White Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
FFG29-20-Wrap 041433277-0020	- 4-140-0-Q Laundry	White Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
FFG29-20-Insulation 041433277-0020A	- 4-140-0-Q Laundry	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FFG29-21-Wrap 041433277-0021	- 5-180-0-E AUX Machinery Room #1	White Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected

Analyst(s)  
Chelsey Bilhear (49)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY

Initial report from 11/14/2014 00:21:05

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Project: **Building #545 Navy Yard / Philadelphia, PA 19112-5095 / EX-STEVEN W. GROVES (FFG29) / 149-0501**

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
FFG29-21-Insulation 041433277-0021A	- 5-180-0-E AUX Machinery Room #1	White Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
FFG29-22-Wrap 041433277-0022	- 5-212-0-E Aux Machinery Room #2	White Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
FFG29-22-Insulation 041433277-0022A	- 5-212-0-E Aux Machinery Room #2	Gray Fibrous Homogeneous	10% Glass 20% Cellulose	70% Non-fibrous (other)	None Detected
FFG29-23-Wrap 041433277-0023	- 5-250-0-E Main Engine Room U/L	White Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
FFG29-23-Insulation 041433277-0023A	- 5-250-0-E Main Engine Room U/L	White Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
FFG29-24-Wrap 041433277-0024	- 5-250-0-E Main Engine Room L/L	White Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected
FFG29-24-Insulation 041433277-0024A	- 5-250-0-E Main Engine Room L/L	White Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
FFG29-25-Wrap 041433277-0025	- 5-292-0-E AUX Machinery Room #3	White Fibrous Homogeneous	30% Glass	70% Non-fibrous (other)	None Detected

Analyst(s)  
 Chelsey Bilhear (49)

*Stephen Siegel*  
 Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. New York, NY

Initial report from 11/14/2014 00:21:05



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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
FFG29-25-Insulation 041433277-0025A	- 5-292-0-E AUX Machinery Room #3	White Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected

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