



Customer: Western Environmental Services, Inc. (1546)
Address: 7410 Sunnybrook Dr
Roanoke, VA 24019

Order #: 240101

Received 12/08/17
Analyzed 12/09/17
Reported 12/11/17

Attn:
Project: Warehouse Building
Location: 2785 Grassy Hill Rd
Number: #17-57

PO Number:

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
240101-001	12/06/17	G-1	Front		
Layer 1:	Roofing Material Black, Granular/Bituminous			None Detected	5% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 80% NON FIBROUS MATERIAL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
240101-002	12/06/17	G-2	Front		
Layer 1:	Roofing Material Black, Granular/Bituminous			None Detected	5% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 80% NON FIBROUS MATERIAL
240101-003	12/06/17	G-3	Middle		
Layer 1:	Roofing Material Black, Granular/Bituminous			None Detected	5% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 80% NON FIBROUS MATERIAL
240101-004	12/06/17	G-4	Middle		
Layer 1:	Roofing Material Black, Granular/Bituminous			None Detected	5% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 80% NON FIBROUS MATERIAL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
240101-005	12/06/17	G-5	Back South		
Layer 1:	Roofing Material Black, Granular/Bituminous			None Detected	80% CELLULOSE FIBER 20% MINERAL/GLASS WOOL
Sample was inhomogenous, subsamples of each component were analyzed separately.					
Layer 2:	Roofing Material Yellow, Foamy			None Detected	100% NON FIBROUS MATERIAL
240101-006	12/06/17	G-6	Back Middle		
Layer 1:	Roofing Material Black, Fibrous/Bituminous			None Detected	10% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 75% NON FIBROUS MATERIAL

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.

Method: EPA 600/R-93/116 & 600/M4-82-020

PLM Analysis

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
240101-007	12/06/17	G-7	Back North		
Layer 1:	Roofing Material			None Detected	60% CELLULOSE FIBER
	White/Black, Fibrous/Bituminous				40% NON FIBROUS MATERIAL
240101-008	12/06/17	G-8	Front		
Layer 1:	Flashing			5% CHRYSOTILE	55% MINERAL/GLASS WOOL
	White/Black, Fibrous/Bituminous				40% NON FIBROUS MATERIAL
240101-009	12/06/17	G-9	Middle		
Layer 1:	Flashing			2% CHRYSOTILE	5% CELLULOSE FIBER
	Silver/Black, Brittle/Bituminous				93% NON FIBROUS MATERIAL

Unable to separate individual layers.

240101-010	12/06/17	G-10	Back		
Layer 1:	Flashing			None Detected	5% CELLULOSE FIBER
	Black, Bituminous				95% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 11

Virginia Jones

Analyst **Virginia Jones**

240101-12/11/17 08:04 AM

Hind Eldanaf

Reviewed By: **Hind Eldanaf**

Microscopy Supervisor

Reporting Limit: 1% Gravimetrically Reduced Reporting Limit: 0.01% PLM analysis is based on Visual Estimation and NESHAP recommends that any asbestos content less than 10 percent be verified by PLM Point Count or TEM Analysis. The EPA recommends that any vermiculite should be treated as Asbestos Containing Material (ACM). This report must not be reproduced except in full with the approval of the laboratory. The test results reported relate only to the samples submitted.



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 V:2401240101
 fghraizi 12/8/2017 10:53:00 AM
 U.S. Mail

Submitting Co. WETERN ENV.SERVICES	Lab WO#	Phone 540-265-0988
P O BOX 19021	Acct # 1546	Fax / Email
ROANOKE, VA 24019	**State of Collection	**Cert. Required <input type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: Warehouse Building	Special Instructions [include requests for special reporting or data packages]	
Project Location: 2785 Grassy Hill Road Rocky Mount, VA		
Project Number: #17-57		
PO Number:		

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* † <input checked="" type="checkbox"/> 1 business day* † <input type="checkbox"/> 2 business days* † <input type="checkbox"/> 3 business days* † <input type="checkbox"/> 5 business days* † * Not available for all tests † A job received past 3PM will begin its TAT the next business day Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) Other <input type="checkbox"/>	Asbestos in Bulk <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	Metals-Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam <input type="checkbox"/>

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type ¹)	Wiped Area (ft ²)	pH / Temp.*	Time ²		Flow Rate ³		Total ⁴ Air
						Start	Stop	Start	Stop	
G-1	12-6-17		Roofing Front							
G-2			↓							
G-3			Middle							
G-4			↓							
G-5			Back South							
G-6			↓							
G-7			Middle North							
G-8			↓							
G-9			Flashing Front							
G-10			↓							
			Middle							
			Back							

¹Type: A=Area B=Blank P=Personal E=Excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min × flow in L/min]

All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>NPalmieri</u> SIGNATURE <u>NPal</u> DATE / TIME <u>12-6-17</u>	Relinquished to lab by NAME <u>NPalmieri</u> SIGNATURE <u>NPal</u> DATE / TIME <u>12-6-17</u>	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender (shipping fees) <input type="checkbox"/> Disposal by Lab (\$50 fee for excessive weight)		

*Temperature taken with IR Gun A. **Required.

Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.