



EMSL Analytical, Inc.

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Phone/Fax: (800) 220-3675 / (856) 786-5974
<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041827054
Customer ID: ERG51
Customer PO:
Project ID:

Attention: Louis Vittorio
ERG (EARTHRES GROUP, INC.)
P.O. BOX 468
PIPERSVILLE, PA 18947
Project: 061003.051

Phone: (215) 766-1211
Fax: (215) 766-1245
Received: 09/06/2018 4:25 PM
Analysis Date: 09/07/2018
Collected:

Test Report: Asbestos Analysis of Soils via EPA 600/R-93/116 Method using PLM and Milling Prep. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
Composite 041827054-0001	Composite Sample of Drill Cuttings	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Andrew Castellano (1)

Benjamin Ellis, Laboratory Manager
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 09/07/2018 14:58:10



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

041827054

PHONE:
FAX:

Company Name : EarthRes Group		EMSL Customer ID:	
Street: 6913 Old Easton Road		City: Pipersville	State/Province: PA
Zip/Postal Code: 18947	Country: USA	Telephone #: 2157661211	Fax #:
Report To (Name): Louis Vittorio		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: Lvittorio@earthres.com		Purchase Order:	
Project Name/Number: 061003.051		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: Same Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air Check if samples are from NY

NIOSH 7400
 w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)

PLM EPA 600/R-93/116 (<1%)
 PLM EPA NOB (<1%)

Point Count

400 (<0.25%) 1000 (<0.1%)

Point Count w/Gravimetric

400 (<0.25%) 1000 (<0.1%)

NYS 198.1 (friable in NY)

NYS 198.6 NOB (non-friable-NY)

NYS 198.8 SOF-V

NIOSH 9002 (<1%)

TEM - Air 4-4.5hr TAT (AHERA only)

AHERA 40 CFR, Part 763

NIOSH 7402

EPA Level II

ISO 10312

TEM - Bulk

TEM EPA NOB

NYS NOB 198.4 (non-friable-NY)

Chatfield SOP

TEM Mass Analysis-EPA 600 sec. 2.5

TEM - Water: EPA 100.2

Fibers >10µm Waste Drinking

All Fiber Sizes Waste Drinking

TEM- Dust

Microvac - ASTM D 5755

Wipe - ASTM D6480

Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite

PLM EPA 600/R-93/116 with milling prep (<1%)

PLM EPA 600/R-93/116 with milling prep (<0.25%)

TEM EPA 600/R-93/116 with milling prep (<0.1%)

TEM Qualitative via Filtration Prep

TEM Qualitative via Drop Mount Prep

Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)

Other:

PLM Carb 435 Level B Reporting Limit (<0.1%) (See Order #041817020)

Check For Positive Stop - Clearly Identify Homogenous Group

Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: JPS

Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
Composite	Composite Sample of Drill Cuttings	1 gallon	09/06/18 1355

Client Sample # (s):

Total # of Samples:

Relinquished (Client):

Date:

Time:

Received (Lab):

Date: 9/6/18

Time: 4:25pm

Comments/Special Instructions:

Bill to: Andrew J Guzmall, Area Environmental Manager -ECPA/NJ Company, Lehigh Hanson, Inc. Address: 7660 Inperial Way Allentown, PA 18195 Office phone (610) 366-4819

PLM
400 pt ct
w/ milling

(IRL)