

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-54707-1

Client Project/Site: Abandoned Mining Waste

For:

Michigan Dept of Environmental Quality

Constitution Hall

525 W. Allegan Street

3rd Floor

Lansing, Michigan 48909

Attn: Amy Keranen



Authorized for release by:

9/4/2015 5:35:41 PM

Kris Brooks, Project Manager II

(330)966-9790

[kris.brooks@testamericainc.com](mailto:kris.brooks@testamericainc.com)

### LINKS

Review your project  
results through

Total Access

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

1

2

3

4

5

6

7



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Method Summary . . . . .	4
Sample Summary . . . . .	5
Subcontract Data . . . . .	6
Chain of Custody . . . . .	8

# Case Narrative

Client: Michigan Dept of Environmental Quality  
Project/Site: Abandoned Mining Waste

TestAmerica Job ID: 240-54707-1

---

**Job ID: 240-54707-1**

---

**Laboratory: TestAmerica Canton**

## Narrative

---

**Job Narrative**  
**240-54707-1**

## Comments

The Asbestos analysis was performed at the EMLab P7K - Irvine Laboratory.

## Receipt

The sample was received on 8/26/2015 3:00 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.0° C.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



# Method Summary

Client: Michigan Dept of Environmental Quality  
Project/Site: Abandoned Mining Waste

TestAmerica Job ID: 240-54707-1

Method	Method Description	Protocol	Laboratory
Asbestos - Carb 435	General Sub Contract Method	NONE	EMLab

**Protocol References:**

NONE = NONE

**Laboratory References:**

EMLab = EMLab - Irvine, Bascom Airport Executive Suites, 17461 Derian Ave, Suite 100, Irvine, CA 92614



# Sample Summary

Client: Michigan Dept of Environmental Quality  
Project/Site: Abandoned Mining Waste

TestAmerica Job ID: 240-54707-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-54707-1	CHTC-SB35-0"-6"	Solid	08/22/15 15:50	08/26/15 09:22

---

- 1
- 2
- 3
- 4
- 5
- 6
- 7



- 1
- 2
- 3
- 4
- 5
- 6
- 7

Report for:

**Ms. Kris Brooks**  
**TestAmerica-Canton**  
4101 Shuffel Dr. NW  
North Canton, OH 44720

Regarding:      Project: 240-54707-1  
                         EML ID: 1415419

Approved by:

Dates of Analysis:  
Asbestos-CARB 435: 09-02-2015

Approved Signatory  
Noah Lazarte

Service SOPs: Asbestos-CARB 435 (EM-AS-S-1265)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



**EMLab P&K**

4955 Yarrow Street , Arvada, CO 80002  
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Canton  
C/O: Ms. Kris Brooks  
Re: 240-54707-1

Date of Sampling: 08-22-2015  
Date of Receipt: 08-27-2015  
Date of Report: 09-04-2015

**ASBESTOS POINT COUNT REPORT: CARB METHOD 435**

Location:	CHTC-SB35-0"-6" (240-54707-1)		
Total Points Counted:	400		
Lab ID-Version‡:	6518579-1		
<b>Sample Layers</b>	<b>Asbestos Type</b>	<b>Asbestos Points Counted</b>	<b>Asbestos Concentration (%)</b>
Dark Brown Soil	Chrysotile	0	< 0.25
<b>Layer Totals:</b>		0	NA

**Comments:** Asbestos was detected, but no points counted.

The analytical sensitivity is 1 asbestos point. The limit of detection is 1 asbestos point divided by the total number of asbestos points counted and multiplied by 100.

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

**CHAIN OF CUSTODY  
AND  
RECEIVING DOCUMENTS**



240-54707 Chain of Custody





**CHAIN OF CUSTODY**  
www.EMLabPK.com



New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (866) 871-1984  
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 851-4802  
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94068 \* (866) 802-6653

Weather	Fog	Rain	Snow	Wind	Clear
None	<input type="checkbox"/>				
Light	<input type="checkbox"/>				
Modarate	<input type="checkbox"/>				
Heavy	<input type="checkbox"/>				

*Kieranena@michigan.gov*

CONTACT INFORMATION					
Company:	Weston Solutions / DER		Address:	P.O. Box 577, Houghton, MI 49931	
Contact:	Jeff Binkley		Special Instructions:	49931	
Phone:	9010-523-5457		email:	j.binkley@westonsolutions.com	
PROJECT INFORMATION			TURN AROUND TIME CODES (TAT)		
Project ID:	Abandoned Mining Waste - TC Ops		STD - Standard (DEFAULT)	Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.	
Project Description:			ND - Next Business Day		
Project Zip Code:	Sampling Date & Time:	8/22/15	SD - Same Business Day Rush		
PO Number:	Sampled By:	Jeff Pirrumba	WH - Weekend / Holiday		
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
	CHTC-SB35-0'-6"	SO	STD		8/22/15 @ 1550

REQUEST (Use check)		001415419	quests
Non-Culturable	Spore Trap	BioCassette™ / Water, Bulk, Dust	
Fungi - Spore Trap Analysis	Spore Trap Analysis - Other: peritrich	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count/Direct Exam
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable A2 Fungi (Genus ID + Asp. spp.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Green Stain & Counts (Culturable Air & Surface Bacteria)	Legionella culture	Total Coliform, E. coli (Presence/Absence)	Membrane Filtration (specify organism):
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MPN Bacteria (specify organism):	Quantitray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-90-116)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCR (specify test):	CARB 435		

SAMPLE TYPE CODES				RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard ...	T - Tape	D - Dust	<i>Ay Karan</i>	8/22/15	<i>Melissa Smith</i>	8/25/15
ATS - Anderson	P - Potable Water	SW - Swab	SO - Soil				
SAS - Surface Air Sampler	NP - Non-Potable Water	B - Bulk	O - Other:	<i>Melissa Smith</i>	8/22/15	<i>Melissa Smith</i>	8/22/15 15:00

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/main/services/terms.html>